

Dictionary
of
Organic
Compounds

SIXTH EDITION

FIRST SUPPLEMENT

Volume 10 of Dictionary of
Organic Compounds



Springer-Science+
Business Media, B.V.

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First Supplement

1. Introduction

For detailed information about how to use the *Dictionary of Organic Compounds* (DOC) see the Introduction in Volume 1 of the Main Work.

1. Using DOC 6 Supplements

As in the Main Work volumes, every Entry is numbered to assist ready location. The DOC Number consists of a letter of the alphabet followed by a five-digit number. In this First Supplement the first digit is invariably 1. Cross-references within the text to Entries having numbers beginning with zero refer to Main Work Entries.

Where a Supplement Entry contains additional or corrected information referring to an Entry in the Main Work the whole Entry is reprinted, with the accompanying statement "Updated Entry replacing ...". In such cases, the new Entry contains all of the

information which appeared in the former Entry, except for any which has been deliberately deleted. Therefore there is no necessity for the user to consult the Main Work or previous supplements.

2. Literature coverage

In compiling this Supplement the primary literature has been surveyed to the end of 1995. A considerable number of amendments have been made during the review period to entries which have not been reprinted in the Supplement owing to space limitations. All of these can be accessed via the CD-ROM version.

3. Indexes

The indexes in the Supplement consist of Name, Molecular Formula and CAS Registry Number Index.

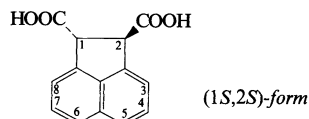
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A

1,2-Acenaphthenedicarboxylic acid A-1-00001

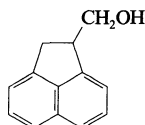
Updated Entry replacing A-0-00042
1,2-Dihydro-1,2-acenaphthylenedicarboxylic acid, 9CI



$C_{14}H_{10}O_4$ M 242.2
(1S,2S)-form [51869-92-2]
(+)-trans-form
[α]_D²⁵ +209 (EtOH).
Di-Me ester: [51869-93-3].
 $C_{16}H_{14}O_4$ M 270.2 Cryst. (Et₂O). Mp
115.5°. [α]_D²⁵ +179 (EtOH).
(1R,2R)-form [51869-91-1]
(±)-trans-form
Cryst. (C₆H₆/AcOH). Mp 234° dec.
Di-Me ester: [56137-60-1].
Cryst. (MeOH). Mp 85°.
(1R,2SR)-form [5673-06-3]
cis-form
Cryst. (H₂O). Mp 179° dec.
Di-Me ester: [5673-22-3].
Mp 125°.
Anhydride:
 $C_{14}H_8O_3$ M 224.2 Needles (C₆H₆).
Mp 184°.
Canceill, J. et al, *Bull. Soc. Chim. Fr.*, 1974,
2833.
Parvez, M. et al, *Acta Cryst. C*, 1995, **51**, 644
(cryst struct, abs config)

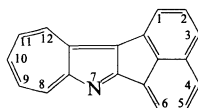
1-Acenaphthenemethanol A-1-00002

1,2-Dihydro-1-acenaphthylenemethanol, 9CI.
1-(Hydroxymethyl)acenaphthene
[37977-49-4]



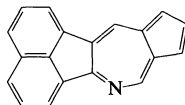
$C_{13}H_{12}O$ M 184.2
(±)-form
No phys. props. descr.
Haddad, N. et al, *J.O.C.*, 1994, **59**, 6090 (synth,
ir, pmr)

Acenaphtho[1,2-b]cyclohepta[d]pyrrole A-1-00003



$C_{19}H_{11}N$ M 253.3
Dark violet needles. Mp 196-197°. pK_s 5.6
(MeCN/aq. buffer).
Nitta, M. et al, *J.C.S. Perkin 1*, 1994, 2721
(synth, uv, pmr, cmr)

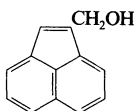
Acenaphtho[1,2-b]cyclopenta[e]azepine



$C_{19}H_{11}N$ M 253.3
Green prisms (EtOH). Mp 170°.
Nitta, M. et al, *J.C.S. Perkin 1*, 1995, 1001
(synth, pmr, cmr, ir)

1-Acenaphthylenemethanol, A-1-00005

9CI
1-(Hydroxymethyl)acenaphthylene
[158779-89-6]



$C_{13}H_{10}O$ M 182.2
Cryst. Mp 49-50°.
Haddad, N. et al, *J.O.C.*, 1994, **59**, 6090 (synth,
ir, pmr, uv)

(1-Acetoxyethenyl)phosphonic acid A-1-00006

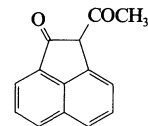
(1-Acetoxyvinyl)phosphonic acid
[65864-85-9]



$C_4H_7O_5P$ M 166.0
Di-Me ester: [17674-23-6]. Dimethyl (1-acetoxyethenyl)phosphonate
 $C_6H_{11}O_5P$ M 194.1 Liq. Bp₁₈ 136°.
Di-Et ester: [17572-67-7]. Diethyl (1-acetoxyethenyl)phosphonate
 $C_8H_{15}O_5P$ M 222.1 Liq. Bp₁₈ 137°,
Bp_{0.06} 68°. n_D²⁰ 1.4368.
Dipropyl ester: [17572-68-8]. Dipropyl (1-acetoxyethenyl)phosphonate
 $C_{10}H_{19}O_5P$ M 250.2 Liq. Bp_{0.1} 65°.
Diisopropyl ester: [40878-92-0]. Diisopropyl (1-acetoxyethenyl)phosphonate
 $C_{10}H_{19}O_5P$ M 250.2 Liq. Bp₁₆ 138°.
Dibutyl ester: [17474-70-3]. Dibutyl (1-acetoxyethenyl)phosphonate
 $C_{12}H_{23}O_5P$ M 278.2 Liq. Bp_{0.1} 72°.
Dichloride: [144917-47-5].
 $C_4H_5Cl_2O_3P$ M 202.9 Phys. props.
not reported.

Al'fonsov, V.A. et al, *Zh. Obshch. Khim.*, 1984,
54, 1485; *J. Gen. Chem. USSR (Engl. Transl.)*, 1984, **54**, 1324 (synth, pmr, P-31
nmr)
Tyryshkin, N.I. et al, *Heteroat. Chem.*, 1992, **3**,
127 (esters, synth, ir, pmr, cmr, P-31 nmr)
Shvedova, Yu.I. et al, *Zh. Obshch. Khim.*, 1992,
92, 593; *J. Gen. Chem. USSR (Engl. Transl.)*,
1992, **62**, 486 (dichloride, synth, pmr, P-31
nmr)

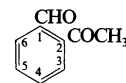
A-1-00004 2-Acetylacenaphthenone A-1-00007



$C_{14}H_{10}O_2$ M 210.2
Yellow needles (hexane). Mp 118-119°.
Tsuge, O. et al, *J. Het. Chem.*, 1994, **31**, 1283.

2-Acetylbenzaldehyde, 9CI A-1-00008

2-Formylacetophenone
[24257-93-0]



$C_9H_8O_2$ M 148.1
Needles (pentane). Mp 44° (41-42°).
Bis(2,4-dinitrophenylhydrazone): [24257-94-1].
Mp 137-140°.
Berner, E., *Acta Chem. Scand., Ser. B*, 1982, **36**,
729 (synth)
Sternson, L.A. et al, *Anal. Biochem.*, 1985, **144**,
233 (synth, pmr, ms)
Moriarty, R.M. et al, *Synthesis*, 1993, 318
(synth, pmr, cmr)

3-Acetylbenzaldehyde, 9CI A-1-00009

3-Formylacetophenone
[41908-11-6]

$C_9H_8O_2$ M 148.1
Cryst. (hexane). Mp 49.5-51° (42-45°). Bp₁₅
147-151°.
Dioxime:
 $C_9H_{10}N_2O_2$ M 178.1 Mp 124.5-126°.
Bisphenylhydrazone: [61494-01-7].
Mp 163-166°.
Karmanova, I.B. et al, *Khim. Geterotsikl. Soedin.*, 1973, 490; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1973, 451 (synth)
Tinapp, P. et al, *Arch. Pharm. (Weinheim, Ger.)*, 1976, **309**, 766 (synth)

4-Acetylbenzaldehyde, 9CI A-1-00010

4-Formylacetophenone
[3457-45-2]

$C_9H_8O_2$ M 148.1
Cryst. Mp 34°. Bp₁₅ 152-155°.
Dioxime:
 $C_9H_{10}N_2O_2$ M 178.1 Needles. Mp
180.6-181.2°.
Bisphenylhydrazone: Yellow needles (EtOH).
Mp 189.6-190.8°.
Detweiler, W.K. et al, *J.A.C.S.*, 1950, **72**, 2882
(synth, derivs)
Stille, J.K. et al, *J.O.C.*, 1979, **44**, 1613 (synth,
pmr)
Kauffmann, T. et al, *Chem. Ber.*, 1992, **125**, 899
(synth)

N-Acetyl-N'-benzoylhydrazine A-1-00011

Benzoic acid 2-acetylhydrazide, 9CI
[14331-27-2]



$\text{C}_9\text{H}_{10}\text{N}_2\text{O}_2$ M 178.1

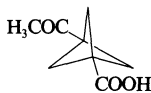
Cryst. (H_2O). Mp 175-176°.

Horwitz, J.P. *et al*, *J.O.C.*, 1954, **19**, 194 (*synth*, *bibl*)

Carlsen, P.H.J. *et al*, *J. Het. Chem.*, 1994, **31**, 805 (*synth*, *pmr*, *cmr*, *ir*)

3-Acetylbicyclo[1.1.1]pentane-1-carboxylic acid, 9CI A-1-00012

[156329-75-8]



$\text{C}_9\text{H}_{10}\text{O}_3$ M 154.1

Cryst. by subl. Mp 95-96°.

Me ester: [131515-42-9].

$\text{C}_9\text{H}_{12}\text{O}_3$ M 168.1 Cryst. Mp 59-59.5°.

Kaszynski, P. *et al*, *J.O.C.*, 1991, **56**, 307 (*Me ester*, *synth*, *pmr*, *cmr*, *ir*, *ms*)

Della, E.W. *et al*, *J.O.C.*, 1994, **59**, 2986 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

1-Acetyl-3-bromobicyclo[1.1.1]pentane A-1-00013

1-(3-Bromobicyclo[1.1.1]pent-1-yl)ethanone, 9CI

[156329-63-4]



$\text{C}_7\text{H}_9\text{BrO}$ M 189.0

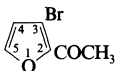
Cryst. Mp 43.5-44°.

Della, E.W. *et al*, *J.O.C.*, 1994, **59**, 2986 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

2-Acetyl-3-bromofuran A-1-00014

1-(3-Bromo-2-furanyl)ethanone, 9CI. 3-Bromo-2-furyl methyl ketone, 8CI

[22037-29-2]



$\text{C}_6\text{H}_5\text{BrO}_2$ M 189.0

Cryst. (Et_2O /hexane) or needles (CHCl_3 /hexane). Mp 45°. Bp₂₀ 110-114°.

Semicarbazone: [22037-30-5]. Mp 221-222°.

Nazarova, Z.N. *et al*, *Khim. Geterotsikl. Soedin.*, 1969, **17**; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1969, **12** (*synth*)

Zaluski, M.-C. *et al*, *Bull. Soc. Chim. Fr.*, 1970, 1838 (*synth*, *pmr*, *ir*)

Gol'dfarb, Y.L. *et al*, *Khim. Geterotsikl. Soedin.*, 1970, **132**; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1970, **129** (*synth*)

Koyanagi, J. *et al*, *J. Het. Chem.*, 1995, **32**, 1289 (*synth*, *ir*, *pmr*, *ms*)

2-Acetyl-4-bromofuran A-1-00015

1-(4-Bromo-2-furanyl)ethanone, 9CI

[3455-86-5]

$\text{C}_6\text{H}_5\text{BrO}_2$ M 189.0

Cryst. (EtOH aq.). Mp 69.5-70.5°.

Semicarbazone: Cryst. (EtOH). Mp 189-190°.

Gol'dfarb, Y.L. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1965, **163**, 1393; *Dokl. Chem. (Engl. Transl.)*, 1965, **163**, 805 (*synth*)

Belen'kii, L.I. *et al*, *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1973, **22**, 2666 (*pmr*)

Antonioletti, R. *et al*, *J.C.S. Perkin 1*, 1985, 1285 (*synth*)

2-Acetyl-5-bromofuran A-1-00016

1-(5-Bromo-2-furanyl)ethanone, 9CI. 5-Bromo-2-furyl methyl ketone

[3199-50-6]

$\text{C}_6\text{H}_5\text{BrO}_2$ M 189.0

Cryst. (heptane). Mp 92-94°.

Oxime:

$\text{C}_6\text{H}_6\text{BrNO}_2$ M 204.0 Cryst. (EtOH aq.). Mp 79.5°.

2,4-Dinitrophenylhydrazone: Red cryst. Mp 246-248°.

Gilman, H. *et al*, *J.A.C.S.*, 1931, **53**, 4193 (*synth*, *oxime*)

Vereschagin, L.I. *et al*, *Zh. Org. Khim.*, 1965, **1**, 960; *J. Org. Chem. USSR (Engl. Transl.)*, 1965, **1**, 967 (*synth*)

Belen'kii, L.I. *et al*, *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1973, **22**, 2666 (*synth*, *pmr*)

Aly, S.A., *Indian J. Chem., Sect. B*, 1993, **32**, 566 (*synth*)

3-Acetyl-5-bromofuran A-1-00017

1-(5-Bromo-3-furanyl)ethanone, 9CI

[59227-68-8]

$\text{C}_6\text{H}_5\text{BrO}_2$ M 189.0

Cryst. or cream solid. Mp 68-70°.

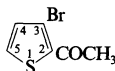
Roques, B.-P. *et al*, *Bull. Soc. Chim. Fr.*, 1975, 2334 (*synth*)

Eur. Pat., 399 645, (1990); *CA*, **114**, 228892a (*synth*, *pmr*)

2-Acetyl-3-bromothiophene A-1-00018

1-(3-Bromo-2-thienyl)ethanone, 9CI. 3-Bromo-2-thienyl methyl ketone

[42877-08-7]



$\text{C}_6\text{H}_5\text{BrOS}$ M 205.0

Pale green liq. Bp₄ 104°. n_D²⁰ 1.6108.

Oxime, (E)-: [98453-19-1].

$\text{C}_6\text{H}_6\text{BrNOS}$ M 220.0 Cryst. (heptane). Mp 111-112°.

Gol'dfarb, Y.L. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1959, **128**, 536; *Dokl. Chem. (Engl. Transl.)*, 1959, **128**, 767 (*synth*)

Conde, S. *et al*, *J. Het. Chem.*, 1985, **22**, 301 (*oxime*)

Greiner-Bechert, L. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1991, **324**, 563 (*synth*, *pmr*, *cmr*)

2-Acetyl-4-bromothiophene A-1-00019

1-(4-Bromo-2-thienyl)ethanone, 9CI. 4-Bromo-2-thienyl methyl ketone, 8CI

[7209-11-2]

$\text{C}_6\text{H}_5\text{BrOS}$ M 205.0

Liq. Bp₁₅ 133-135°. n_D²⁰ 1.6080.

Oxime, (E)-: [98453-20-4].

$\text{C}_6\text{H}_6\text{BrNOS}$ M 220.0 Mp 152-154°.

Oxime, (Z)-: [98453-22-6].

$\text{C}_6\text{H}_6\text{BrNOS}$ M 220.0 Mp 143-145°.

Semicarbazone: [33148-62-8]. Mp 214.5-215°.

Gol'dfarb, Y.L. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1959, **128**, 536; *Dokl. Chem. (Engl. Transl.)*, 1959, **128**, 767 (*synth*)

Vol'kenshtein, Y.B. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1961, 1879; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1961, 1752 (*synth*, *uw*, *ir*)

Alvarez-Insúa, A.S. *et al*, *J. Het. Chem.*, 1982, **19**, 713 (*synth*, *pmr*)

Conde, S. *et al*, *J. Het. Chem.*, 1985, **22**, 301 (*oximes*)

3-Acetyl-4-bromothiophene A-1-00020

1-(4-Bromo-3-thienyl)ethanone, 9CI

[35717-24-9]

$\text{C}_6\text{H}_5\text{BrOS}$ M 205.0

Liq. Bp₁₂ 137°.

Spinelli, D. *et al*, *J.C.S. Perkin 2*, 1972, 441 (*synth*)

Hanquet, B. *et al*, *Bull. Soc. Chim. Fr.*, 1977, 571 (*synth*, *pmr*)

Julia, S. *et al*, *Afinidad*, 1984, **41**, 145; *CA*, **101**, 90700j (*synth*, *ir*, *uw*, *pmr*, *ms*)

3-Acetyl-5-bromothiophene A-1-00021

1-(5-Bromo-3-thienyl)ethanone, 9CI

[59227-67-7]

$\text{C}_6\text{H}_5\text{BrOS}$ M 205.0

Cryst. Mp 63-64°. Bp₁₃ 130-135°.

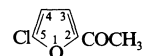
Roques, B.-P. *et al*, *Bull. Soc. Chim. Fr.*, 1975, 2334 (*synth*)

Karlsson, O., *Synth. Commun.*, 1981, **11**, 29 (*synth*)

2-Acetyl-5-chlorofuran A-1-00022

1-(5-Chloro-2-furanyl)ethanone, 9CI

[3216-65-7]



$\text{C}_6\text{H}_5\text{ClO}_2$ M 144.5

Cryst. Mp 79°.

Semicarbazone: Mp 196-197°.

Nazarova, Z.N. *et al*, *Zh. Obshch. Khim.*, 1963, **33**, 1431; *J. Gen. Chem. USSR (Engl. Transl.)*, 1963, **33**, 1397 (*synth*)

D'Auria, M. *et al*, *Synthesis*, 1995, 248 (*synth*)

3-Acetyl-5-chlorofuran A-1-00023

1-(5-Chloro-3-furanyl)ethanone, 9CI

[59227-69-9]

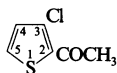
$\text{C}_6\text{H}_5\text{ClO}_2$ M 144.5

Cryst. Mp 51°.

Roques, B.-P. *et al*, *Bull. Soc. Chim. Fr.*, 1975, 2334 (*synth*)

2-Acetyl-3-chlorothiophene A-1-00024

1-(3-Chloro-2-thienyl)ethanone, 9CI
[89581-82-8]



C_6H_5ClOS M 160.6
Liq. Bp₁₅ 117-118°.

Profft, E. *et al*, *J. Prakt. Chem.*, 1964, **24**, 38
(*synth*)

Greiner-Bechert, L. *et al*, *Arch. Pharm.*
(Weinheim, Ger.), 1991, **324**, 563 (*synth*, *pmr*)

2-Acetyl-4-chlorothiophene A-1-00025

1-(4-Chloro-2-thienyl)ethanone, 9CI

[34730-20-6]

C_6H_5ClOS M 160.6
Liq. Bp₁₀ 109-110°.

Juliá, S. *et al*, *Afinidad*, 1984, **41**, 145; *CA*, **101**,
90700j (*synth*, *ir*, *uv*, *pmr*, *ms*)

Stanetty, P. *et al*, *Monatsh. Chem.*, 1989, **120**,
53 (*synth*, *pmr*)

2-Acetyl-5-chlorothiophene A-1-00026

1-(5-Chloro-2-thienyl)ethanone, 9CI

[6310-09-4]

C_6H_5ClOS M 160.6
Cryst. (EtOH). Mp 52° (46°). Bp₁₂ 104-106°.
Semicarbazone: Mp 233-234°.

Gattermann, L. *et al*, *Ber.*, 1886, **19**, 688 (*synth*)
Hartough, H.D. *et al*, *J.A.C.S.*, 1947, **69**, 1015
(*synth*)

Szmann, H.H. *et al*, *J.A.C.S.*, 1951, **73**, 4521
(*synth*, *uv*)

Kooreman, H.J. *et al*, *Rec. Trav. Chim. (J. R.*
Neth. Chem. Soc.), 1967, **86**, 37 (*synth*)

D'Auria, M. *et al*, *Synthesis*, 1995, 248 (*synth*)

3-Acetyl-4-chlorothiophene A-1-00027

1-(4-Chloro-3-thienyl)ethanone, 9CI

[91387-31-4]

C_6H_5ClOS M 160.6
Liq. Bp₂₀ 110-111°.

Juliá, S. *et al*, *Afinidad*, 1984, **41**, 145; *CA*, **101**,
90700j (*synth*, *ir*, *uv*, *pmr*, *ms*)

3-Acetyl-5-chlorothiophene A-1-00028

1-(5-Chloro-3-thienyl)ethanone, 9CI

[58119-67-8]

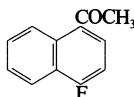
C_6H_5ClOS M 160.6
Cryst. Mp 57-58.5°. Bp₁₀ 108-111°.

Hromatka, O. *et al*, *Monatsh. Chem.*, 1975, **106**,
1103 (*synth*)

Stanetty, P. *et al*, *Monatsh. Chem.*, 1989, **120**,
53 (*synth*, *pmr*)

1-Acetyl-4-fluoronaphthalene A-1-00029

1-(4-Fluoro-1-naphthalenyl)ethanone, 9CI. 4'-
Fluoro-1'-acetonaphthone, 8CI
[316-68-7]



$C_{12}H_9FO$ M 188.2
Cryst. (hexane). d 1.20. Mp 38-39°. Bp₁₇
167°.

Oxime: [1717-24-4].

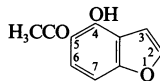
$C_{12}H_{10}FNO$ M 203.2 Needles (EtOH
aq.). Mp 123-124°.

Jacobs, T.L. *et al*, *J.O.C.*, 1946, **11**, 27 (*synth*)
Adcock, W. *et al*, *J.A.C.S.*, 1976, **98**, 1701

(*oxime*)
Dixon, E.A. *et al*, *Can. J. Chem.*, 1981, **59**, 2629
(*synth*)

5-Acetyl-4-hydroxybenzofuran A-1-00030

1-(4-Hydroxy-5-benzofuranyl)ethanone, 9CI.
4-Hydroxy-5-benzofuranyl methyl ketone, 8CI
[69722-46-9]



$C_{10}H_8O_3$ M 176.1

Degradation product of furanoflavones and
furanochalcones. Pale yellow needles
(MeOH aq.). Mp 95°.

Me ether: [52055-86-4]. 5-Acetyl-4-
methoxybenzofuran

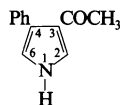
$C_{11}H_{10}O_3$ M 190.1 Cryst. (hexane).
Mp 54-55°.

Khanna, R.N. *et al*, *Tetrahedron*, 1963, **19**, 219.

Lee, Y.R. *et al*, *Tetrahedron*, 1995, **51**, 4909
(*synth*, *ir*, *pmr*, *cmr*, *ms*)

3-Acetyl-4-phenylpyrrole A-1-00031

1-(4-Phenyl-1H-pyrrol-3-yl)ethanone, 9CI
[40167-28-0]



$C_{12}H_{11}NO$ M 185.2

Cryst. (CH₂Cl₂/petrol). Mp 157-158°.

v. Leusen, A.M. *et al*, *Tet. Lett.*, 1972, 5337
(*synth*)

v. Leusen, D. *et al*, *J.O.C.*, 1992, **57**, 2245
(*synth*, *ir*, *pmr*)

4-Acetyl-2-phenylpyrrole A-1-00032

1-(5-Phenyl-1H-pyrrol-3-yl)ethanone, 9CI
[148403-22-9]

$C_{12}H_{11}NO$ M 185.2

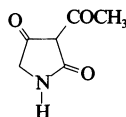
Cryst. (DMF aq.). Mp 176-178°.

Oda, K. *et al*, *Chem. Comm.*, 1993, 437 (*synth*)

Di Santo, R. *et al*, *Synth. Commun.*, 1995, **25**,
795 (*synth*)

3-Acetyl-2,4-pyrrolidinedione, A-1-00033

9CI
[697-57-4]



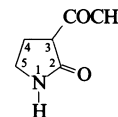
$C_6H_7NO_3$ M 141.1

Enolised β-diketone. Solid. Mp 174-176°.

Jones, R.C.F. *et al*, *J.C.S. Perkin 1*, 1994, 2513.

3-Acetyl-2-pyrrolidinone, 9CI A-1-00034

[31536-38-6]



$C_6H_9NO_2$ M 127.1

Prob. an enolised β-diketone. Prisms
(hexane). Mp 77-78°.

N-Me: [60044-08-8].

$C_7H_{11}NO_2$ M 141.1 Bp₂ 115-120°.

Kamenati, T. *et al*, *J.C.S.(C)*, 1971, 999 (*synth*,
pmr, *ir*)

5-Acetyl-2-pyrrolidinone, 9CI A-1-00035

$C_6H_9NO_2$ M 127.1

(±)-*form* [85858-09-9]

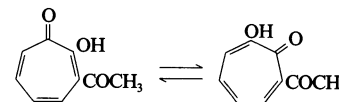
Cryst. (EtOAc). Mp 74-76°.

Thomas, E.J. *et al*, *J.C.S. Perkin 1*, 1983, 395
(*synth*, *ir*, *pmr*)

3-Acetyltropolone A-1-00036

3-Acetyl-2-hydroxy-2,4,6-cycloheptatrien-1-
one, 9CI. 6-Acetyltropolone

[72023-82-6]



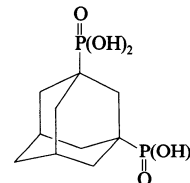
$C_9H_8O_3$ M 164.1

Pale yellow needles (MeOH). Mp 131-132°.

Yamane, A. *et al*, *Bull. Chem. Soc. Jpn.*, 1979,
52, 1972 (*synth*, *uv*, *pmr*)

1,3-Adamantanediphosphonic acid A-1-00037

Tricyclo[3.3.1.1^{3,7}]decane-1,3-
diylbisphosphonic acid, 9CI. 1,3-
Adamantylidiphosphonic acid



$C_{10}H_{18}O_6P_2$ M 296.1

Bis(diethyl) ester: [145290-43-3]. *Tetraethyl*
1,3-adamantylidiphosphonate

$C_{18}H_{34}O_6P_2$ M 408.4 Liq. Bp_{0.01} 120°.

Bis(dichloride): [82316-74-3].

$C_{10}H_{14}Cl_4O_2P_2$ M 369.9 Cryst. Mp
171-173°.

Bis(dibromide):

$C_{10}H_{14}Br_4O_2P_2$ M 547.7 Cryst. Mp
222-224°.

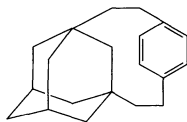
Duddeck, H. *et al*, *Magn. Reson. Chem.*, 1985,
23, 41, 533 (*cmr*, *O-17 nmr*, *P-31 nmr*)

Duddeck, H. *et al*, *Phosphorus Sulfur Relat.*
Elem., 1986, **28**, 307 (*synth*, *ir*, *ms*, *pmr*)

Petrov, K.A. *et al*, *Zh. Obshch. Khim.*, 1992, **62**,
303; *J. Gen. Chem. USSR (Engl. Transl.)*,
1992, **62**, 245 (*ester*, *ir*, *pmr*)

[2.2](1,3)**Adamantanoparacyclophane**

Pentacyclo[11.2.2.1^{4,8}.1^{4,10}.1^{6,10}]eicosa-13,15,16-triene, 9CI
[151133-06-1]



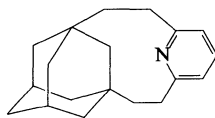
C₂₀H₂₆ M 266.4

Highly deformed mol. Cryst. Mp 95°.

Lemmerz, R. *et al*, *Chem. Comm.*, 1993, 1168
(*synth*, *pmr*, *cryst struct*)

[2.2](1,3)Adamantano-2,6-**pyridinophane**

20-Azapentacyclo[9.5.1.1^{1,13}.1^{4,8}.1^{11,15}]eicosa-4,6,8α(20)-triene, 9CI
[151133-07-2]



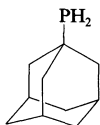
C₁₉H₂₅N M 267.4

Cryst. Mp 89°.

Lemmerz, R. *et al*, *Chem. Comm.*, 1993, 1168
(*synth*, *pmr*, *cryst struct*)

1-Adamantylphosphine, 8CI**A-1-00040**

Tricyclo[3.3.1.1^{3,7}]dec-1-ylphosphine. 1-Phosphinoadamantane
[23906-89-0]



C₁₀H₁₇P M 168.2

Liq. Bp₁ 72°.

Oxide: [157426-62-5].

C₁₀H₁₇OP M 184.2 Cryst. (EtOH).
Mp 66°.

Sulfide: [87514-51-0].

C₁₀H₁₇PS M 200.2 Cryst. (MeOH or EtOH). Mp 48°, Mp 82-84°.

Selenide: [87514-52-1].

C₁₀H₁₇PSe M 247.1 Cryst. (MeOH or EtOH). Mp 84°, Mp 105-107°.

Stetter, H. *et al*, *Chem. Ber.*, 1969, **102**, 3364
(*synth*)

Zhardin, A.P. *et al*, *Zh. Obshch. Khim.*, 1983, **53**, 1429; *J. Gen. Chem. USSR (Engl. Transl.)*, 1983, **53**, 1285 (*synth*, *derivs*, *ir*)

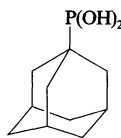
Gouygou, M. *et al*, *Synthesis*, 1987, 508.

Yurchenko, R.I. *et al*, *Zh. Obshch. Khim.*, 1989, **59**, 2004; *J. Gen. Chem. USSR (Engl. Transl.)*, 1989, **59**, 1796 (*pmr*)

Goerlich, J.R. *et al*, *Z. Anorg. Allg. Chem.*, 1994, **620**, 898 (*synth*, *ms*, *pmr*, *P-31 nmr*, *complexes*)

A-1-00038**1-Adamantylphosphonous acid A-1-00041**

Tricyclo[3.3.1.1^{3,7}]dec-1-ylphosphonous acid. 1-Adamantane phosphonous acid



C₁₀H₁₇O₂P M 200.2

Difluoride: [63429-85-6].

C₁₀H₁₅F₂P M 204.1 Liq. Bp_{0.04} 29.5°.

Dichloride: see 1-Adamantylphosphonous

dichloride, A-0-00662

Dibromide: [95927-88-1].

C₁₀H₁₅Br₂P M 326.0 Solid. Mp 80-82°. Easily hydrol.

Diiodide: [141793-26-2].

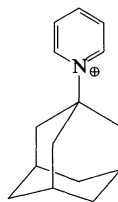
C₁₀H₁₅I₂P M 420.0 Cryst.
(CH₂Cl₂/petrol or dioxan). Mp 42°, Mp 70-72°.

Uurchenko, R.I. *et al*, *Zh. Obshch. Khim.*, 1984, **54**, 2650; *J. Gen. Chem. USSR (Engl. Transl.)*, 1984, **54**, 2366 (*synth*, *P-31 nmr*)

Goerlich, J.R. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1992, **66**, 223 (*dihalides*, *synth*, *ms*, *pmr*, *cmr*, *F-19 nmr*, *P-31 nmr*)

1-(1-Adamantyl)**A-1-00042****pyridinium(1 +)**

1-Tricyclo[3.3.1.1^{3,7}]dec-1-ylpyridinium, 9CI
[93588-28-4]



C₁₅H₂₀N[⊕] M 214.3 (ion)

Bromide: [19984-57-7].

C₁₅H₂₀BrN M 294.2 Mp 245° dec.

Perchlorate: [93588-29-5].

C₁₅H₂₀ClNO₄ M 313.7 Cryst.
(EtOH).

[112671-75-7]

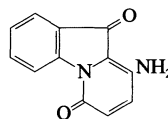
U.S. Pat., 3 391 142, (1968); *CA*, **69**, 59281
(*synth*)

Katritzky, A.R. *et al*, *J. Chem. Res., Synop.*, 1984, 234 (*synth*, *pmr*, *cmr*)

Sokolenko, V.A. *et al*, *Khim. Geterotsikl. Soedin.*, 1987, 817 (*synth*)

Ailanindole**A-1-00043**

9-Aminopyrido[1,2-a]indole-6,10-dione, 9CI
[159903-51-2]



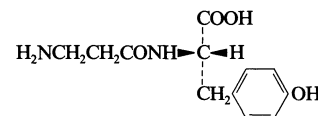
C₁₂H₈N₂O₂ M 212.2

Alkaloid from the wood of *Ailanthus malabarica* (Simaroubaceae). Orange needles (MeOH). Mp > 300°. Intense green fluorescence in org. solvs.

Aono, H. *et al*, *Phytochemistry*, 1994, **37**, 579
(*isol*, *uv*, *ir*, *pmr*, *cmr*, *ms*, *struct*)

N-β-Alanyltyrosine**A-1-00044**

Sarcophagine[†]



C₁₂H₁₆N₂O₄ M 252.2

(*S*)-form [21612-26-0]

L-form

Isol. from the leaves of *Sarcophaga bullata* and *Phryxe caudata*. Mp 226-228°. [α]_D +43.5 (H₂O).

Z-β-Ala-Tyr-OH: [21612-25-9].

Cryst. (EtOAc/petrol). Mp 130-131°. [α]_D +16.2 (EtOH).

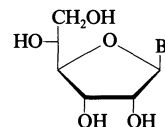
Z-β-Ala-Tyr-OMe: [21612-24-8].

Cryst. (EtOH/Et₂O/petrol). Mp 113-114°. [α]_D²² +5.9 (EtOH).

Pinelli, C. *et al*, *Farmaco, Ed. Sci.*, 1968, **23**, 899
(*synth*)

Levenbook, L. *et al*, *Biochem. J.*, 1969, **113**, 837
(*isol*, *synth*)

Bodnaryk, R.P., *Comp. Biochem. Physiol., B: Comp. Biochem.*, 1972, **43**, 587 (*isol*)

Allofuranosyl bromide**A-1-00045**

C₆H₁₁BrO₅ M 243.0

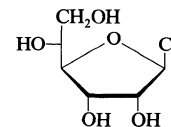
β-D-form

2,3:5,6-Di-O-isopropylidene: [65502-92-3].

C₁₂H₁₉BrO₅ M 323.1 Syrup.

Eitelman, S.J.E. *et al*, *Chem. Comm.*, 1977, 552
(*diisopropylidene*, *cmr*)

Eitelman, S.J.E. *et al*, *J.C.S. Perkin 1*, 1978, 595
(*diisopropylidene*, *pmr*)

Allofuranosyl chloride**A-1-00046**

β-D-form

C₆H₁₁ClO₅ M 198.6

D-form

2,3:5,6-Di-O-isopropylidene: [33823-06-2].

C₁₂H₁₉ClO₅ M 278.7 Cryst. Mp 39-42°. Bp_{0.1} 75-76°. Unstable at ambient temp.

β-D-form

2,3:5,6-Di-O-isopropylidene: [67253-98-9].

Oil. Not clear if this is the same as the *D*-diisopropylidene deriv.

Kohn, B.D. *et al*, *Carbohydr. Res.*, 1971, **18**, 349 (*D*-deriv)

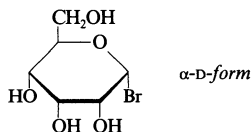
Boigegrain, R.A. *et al*, *J. Chem. Res., Synop.*, 1978, 85; *J. Chem. Res., Miniprint*, 1978, 1229 (*β*-*D*-deriv)

Eitelman, S.J. *et al*, *J.C.S. Perkin 1*, 1978, 595
(*β*-*D*-deriv)

Bischofberger, K. *et al*, *S. Afr. J. Chem.*, 1981, **34**, 33 (*β*-*D*-deriv)

Allopyranosyl bromide

A-1-00047

 $C_6H_{11}BrO_5$ M 243.0 α -D-form

Tetra-Ac: [53369-42-9].

 $C_{14}H_{19}BrO_9$ M 411.2 Pale yellow syrup. $[\alpha]_D^{23} + 170.7$ (c, 4.8 in $CHCl_3$). β -D-form

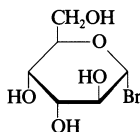
Tetra-Ac: [75247-30-2].

Syrup.

Haga, M. *et al*, *Carbohydr. Res.*, 1974, **34**, 214 (α -tetra-Ac, *pmr*)Stowell, C.P. *et al*, *Biochemistry*, 1980, **19**, 4899 (β -tetra-Ac)Markham, K.R. *et al*, *Phytochemistry*, 1983, **22**, 2827 (α -tetra-Ac, *pmr*)Cano, F.H. *et al*, *Carbohydr. Res.*, 1986, **145**, 319 (α -tetra-Ac)

Altopyranosyl bromide

A-1-00048

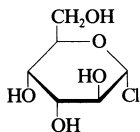
 $C_6H_{11}BrO_5$ M 243.0 α -D-form

Tetra-Ac: [29907-26-4].

 $C_{14}H_{19}BrO_9$ M 411.2 Cryst. Mp 107-108°. $[\alpha]_D^{20} + 160$ (c, 2.2 in $CHCl_3$).de Pascual, J. *et al*, *An. Quim., Ser. B*, 1967, **63**, 221; *CA*, **67**, 82333f (*tetra-Ac*)Paulsen, H. *et al*, *Chem. Ber.*, 1970, **103**, 2463; 1973, **106**, 3850 (*tetra-Ac*)

Altopyranosyl chloride

A-1-00049

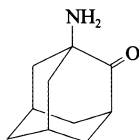
 $C_6H_{11}ClO_5$ M 198.6 α -D-form

Tetra-Ac: [17081-03-7].

 $C_{14}H_{19}ClO_9$ M 366.7 Cryst. ($CHCl_3/Et_2O/2$ -methylbutane). Mp 102°. $[\alpha]_D^{20} + 110$ (c, 5 in $CHCl_3$).Richtmyer, N.K. *et al*, *J.A.C.S.*, 1941, **63**, 1727 (*tetra-Ac*)de Pascual, J. *et al*, *An. Quim., Ser. B*, 1967, **63**, 221; *CA*, **67**, 82333f (*tetra-Ac*)

1-Amino-2-adamantanone

A-1-00050

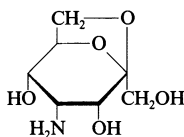
1-Aminotricyclo[3.3.1.1^{3,7}]decanone, 9CI $C_{10}H_{15}NO$ M 165.2

Hydrochloride: [73228-03-2].

Solid. Mp 270-280° dec.

Sasaki, T. *et al*, *Synthesis*, 1980, 472 (*synth, ir, pmr*)4-Amino-2,7-anhydro-4-deoxy-*allo*-heptulose

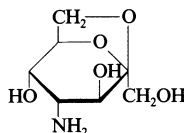
A-1-00051

 $C_7H_{13}NO_5$ M 191.1 β -D-Pyranose-formPrismatic columns (AcOH aq.) (as hydrochloride). $[\alpha]_D^{23} - 54.7$ (c, 1 in H_2O) (hydrochloride).

1,3,4N,5-Tetra-Ac:

 $C_{15}H_{21}NO_9$ M 359.3 Platelets ($CHCl_3/Et_2O$). Mp 213-214° dec. $[\alpha]_D^{22} - 60.9$ (c, 1 in $CHCl_3$).Baer, H.H. *et al*, *J.O.C.*, 1963, **28**, 1287; 1964, **29**, 2014 (*synth, tetra-Ac, pmr*)4-Amino-2,7-anhydro-4-deoxy-*altro*-heptulose

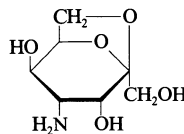
A-1-00052

 $C_7H_{13}NO_5$ M 191.1 β -D-Pyranose-formNeedles (AcOH aq.) (as hydrochloride). $[\alpha]_D^{23} - 126$ (c, 1 in H_2O).

1,3,4N,5-Tetra-Ac:

 $C_{15}H_{21}NO_9$ M 359.3 Needles ($CHCl_3/Et_2O$). Mp 189-190°. $[\alpha]_D^{22} - 145.5$ (c, 1 in $CHCl_3$).Baer, H.H. *et al*, *J.O.C.*, 1963, **28**, 1287; 1964, **29**, 2014 (*synth, tetra-Ac, pmr*)4-Amino-2,7-anhydro-4-deoxy-*gulo*-heptulose

A-1-00053

 $C_7H_{13}NO_5$ M 191.1 β -D-Pyranose-formPrisms (AcOH aq.) (as hydrochloride). $[\alpha]_D^{23} + 39$ (c, 1 in H_2O).

1,3,4N,5-Tetra-Ac:

 $C_{15}H_{21}NO_9$ M 359.3 Prisms ($CHCl_3/Et_2O$). Mp 128-129°. $[\alpha]_D^{22} + 43.7$ (c, 1 in $CHCl_3$).Baer, H.H. *et al*, *J.O.C.*, 1963, **28**, 1287; 1964, **29**, 2014 (*synth, tetra-Ac, pmr*)

2-Amino-3-azidopyrazine

A-1-00054

3-Azido-2-pyrazinamine

[156331-25-8]

 $C_4H_4N_6$ M 136.1

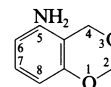
Microcryst. (EtOH). Mp 225° dec.

Sato, N. *et al*, *J.C.S. Perkin 1*, 1994, 885.

5-Amino-4H-1,3-benzodioxin

A-1-00055

4H-1,3-Benzodioxin-5-amine, 9CI

 $C_8H_9NO_2$ M 151.1

Mp 71-72°.

Hydrochloride: [52463-13-5].

Mp > 280°.

N-Ac:

 $C_{10}H_{11}NO_3$ M 193.2 Cryst. Mp 154-155°.

N,N-Di-Me: [52463-17-9].

 $C_{10}H_{13}NO_2$ M 179.2 Liq.

N,N-Di-Me; hydrochloride: [52463-18-0].

Cryst. Mp 182°.

N,N,N-Tri-Me: [52463-22-6].

 $C_{11}H_{16}NO_2^+$ M 194.2 (ion) Cryst. (as chloride). Mp 202-203° dec.

[52463-20-4, 52463-21-5]

Ando, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 501 (*synth, deriv*)

3-Amino-2-benzo[b]

A-1-00056

furancarboxaldehyde

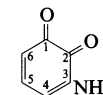
3-Amino-2-formylbenzo[b]furan

 $C_9H_7NO_2$ M 161.1Capperucci, A. *et al*, *J.O.C.*, 1995, **60**, 2254(*synth, ir, pmr, cmr, ms*)

3-Amino-1,2-benzoquinone

A-1-00057

3-Amino-3,5-cyclohexadiene-1,2-dione, 9CI

 $C_6H_5NO_2$ M 123.1

Blue-black soln. in anhyd. EtOAc. Too unstable to isolate. Forms a radical anion identified by esr.

[80314-27-8]

Boyer, J.H. *et al*, *J.A.C.S.*, 1960, **82**, 4748.Murphy, D. *et al*, *J.C.S. Faraday 2*, 1981, **77**, 1589 (*synth, esr*)

4-Amino-1,2-benzoquinone

A-1-00058

4-Amino-3,5-cyclohexadiene-1,2-dione, 9CI

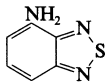
[80926-33-6]

 $C_6H_5NO_2$ M 123.1Prepd. *in situ*, not isol. Forms a radical anion identified by esr.

[80314-28-9]

Murphy, D. *et al*, *J.C.S. Faraday 2*, 1981, **77**, 1589 (*synth, esr*)Solano, F. *et al*, *Biochem. J.*, 1991, **277**, 393.

4-Amino-2,1,3-benzothiadiazole, 8CI **A-1-00059**
 2,1,3-Benzothiadiazol-4-amine, 9CI
 [767-64-6]



$C_6H_5N_3S$ M 151.1
 Yellow cryst. (H_2O). Mp 67-69°.

4N-Ac:

$C_8H_7N_3OS$ M 193.2 Cryst. Mp 151-153° (150-151°).

4N-(p-Nitrobenzoyl): Yellow cryst. Mp 207°.
 4N-(p-Nitrobenzenesulfonyl): Cryst. Mp 163-164°.

Aldrich Library of FT-IR Spectra, 1st edn., 3, 1512D.

Aldrich Library of NMR Spectra, 2nd edn., 2, 580C.

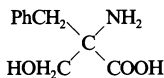
Pesin, V.G. et al, Zh. Obshch. Khim., 1950, 20, 1914; 1954, 24, 133; 1958, 28, 20; J. Gen. Chem. USSR (Engl. Transl.), 1950, 20, 1981; 1954, 24, 131; 1958, 28, 20 (synth, deriv)

Efros, L.S. et al, Zh. Obshch. Khim., 1955, 25, 199; J. Gen. Chem. USSR (Engl. Transl.), 1955, 25, 183 (uv)

Sekikawa, I., Bull. Chem. Soc. Jpn., 1958, 31, 252 (synth, deriv synth)

Belenkaya, I.A. et al, Khim. Geterotsykl. Soedin., 1988, 114; Chem. Heterocycl. Compd. (Engl. Transl.), 1988, 96 (synth)

2-Amino-2-benzyl-3-hydroxypropanoic acid **A-1-00060**
 α -Benzylserine



$C_{10}H_{13}NO_3$ M 195.2

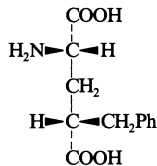
(±)-form

Hydrochloride: Glass.

Zanardi, F. et al, J.C.S. Perkin 1, 1995, 2471 (synth, pmr, cmr, ms)

2-Amino-4-benzylpentanedioic acid **A-1-00061**

4-Benzylglutamic acid. 4-(Phenylmethyl) glutamic acid. 2-Amino-4-benzylglutamic acid



$C_{12}H_{15}NO_4$ M 237.2

(2S,4S)-form

Hydrochloride: Solid. Mp 66-68°. $[\alpha]_D +11.4$ (c, 0.5 in MeOH) (>95% ee).

Ezquerria, J. et al, J.O.C., 1995, 60, 2925 (synth, ir, pmr, cmr)

2-Amino-2-benzyl-3-phenylpropanoic acid **A-1-00062**
 α -Benzylphenylalanine

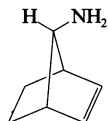


$C_{16}H_{17}NO_2$ M 255.3

Glassy solid.
 N-tert-Butyloxycarbonyl:
 $C_{21}H_{25}NO_4$ M 355.4 Glass.
 Zanardi, F. et al, J.C.S. Perkin 1, 1995, 2471 (synth, pmr, cmr)

1-Aminobicyclo[2.2.1]hept-2-ene **A-1-00063**

Bicyclo[2.2.1]hept-2-en-7-amine, 9CI. 2-Norbornen-7-amine, 8CI. 7-Amino-2-norbornene



(1RS,7RS)-form

$C_7H_{11}N$ M 109.1

(1RS,7RS)-form [14173-90-1]

syn-form

Oil. Bp₁₈ 49-51°. n_D^{25} 1.5062.

Hydrochloride: [35092-57-0].

Needles (Et₂O/MeOH). Mp >250°.

N-Ac:

$C_9H_{13}NO$ M 151.2 Needles (hexane). Mp 92.5°.

(1RS,7SR)-form [14173-89-8]

anti-form

Waxy solid.

Hydrochloride: Mp >250°.

N-Ac: Needles (hexane). Mp 123.5°.

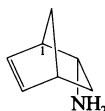
Tanida, H. et al, J.O.C., 1966, 31, 3941 (synth, Ac, ir, pmr)

Marsh, F.D. et al, J.O.C., 1972, 37, 2969 (synth)

5-Aminobicyclo[2.2.1]hept-2-ene **A-1-00064**

Bicyclo[2.2.1]hept-5-en-2-amine, 9CI. 5-Norbornen-2-amine, 8CI

[52430-93-0]



(1RS,5RS)-form

$C_7H_{11}N$ M 109.1

(1RS,5RS)-form [77697-44-0]

(±)-endo-form

Liq. Bp 152-156°.

N-Ac:

$C_9H_{13}NO$ M 151.2 Cryst. (petrol). Mp 93.5-95°.

N,N-Di-Me:

$C_9H_{15}N$ M 137.2 Liq. Bp₁₇ 65-67°.

(1RS,5SR)-form [18530-45-5]

(±)-exo-form

Liq. Bp₁₈ 53-54°.

N-Ac: [66542-73-2].

Needles (CHCl₃/hexane). Mp 112-113°.

N,N-Di-Me: Liq. Bp₂₀ 66-68°.

Parham, W.E., J.A.C.S., 1951, 73, 5068; 1952, 74, 5646 (synth, Ac)

Cope, A.C. et al, J.A.C.S., 1959, 81, 2799 (N,N-Di-Me)

Boehme, W.R. et al, J. Med. Chem., 1961, 4, 183 (synth)

Diveley, W.R. et al, J.A.C.S., 1969, 34, 616 (synth)

Bott, S.G. et al, Synth. Commun., 1994, 24, 3141 (synth, Ac, ir, pmr, cmr)

5-Amino-2,2'-bipyridine **A-1-00065**
 [2,2'-Bipyridine]-5-amine, 9CI

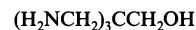
[160539-04-8]

$C_{10}H_9N_3$ M 171.2

Cryst. (toluene). Mp 136°.

Sprecher, M. et al, Org. Prep. Proced. Int., 1994, 26, 696 (synth, pmr, cmr, uv, ir, ms)

3-Amino-2,2-bis(aminomethyl)-1-propanol, 9CI **A-1-00066**
 [120844-28-2]



$C_5H_{15}N_3O$ M 133.1

Hydrochloride (1:3): [130147-45-4].

Cryst. (conc. HCl). Mp 298°.

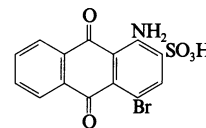
Litherland, A. et al, J.C.S., 1938, 1588 (synth)

Neumann, W.L. et al, J.O.C., 1990, 55, 6368 (synth)

Martin, V.V. et al, Org. Prep. Proced. Int., 1995, 27, 117 (synth)

1-Amino-4-bromoanthraquinone-2-sulfonic acid **A-1-00067**

1-Amino-4-bromo-9,10-dihydro-9,10-dioxo-2-anthracenesulfonic acid, 9CI. Bromoamine acid [116-81-4]



$C_{14}H_8BrNO_5S$ M 382.1

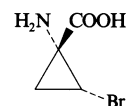
Poorly documented though appears to be a relatively useful compd. Dyestuff intermed. Red needles (H_2O).

[6258-06-6]

Beilsteins Handbuch der Organischen Chemie, 4th edn., 1931, 14, I 764, II 516.

Zimnicki, J., Przem. Chem., 1984, 63, 515 (rev)

1-Amino-2-bromocyclopropane-carboxylic acid **A-1-00068**



(1RS,2RS)-form

$C_4H_6BrNO_2$ M 180.0

(1RS,2RS)-form

(±)-trans-form

Cryst. (MeOH/EtOAc) (as hydrochloride). Mp >120° (slow dec.) (hydrochloride).

N-tert-Butyloxycarbonyl, Me ester:

$C_{10}H_{16}BrNO_4$ M 294.1 Mp 88-89°.

(1RS,2SR)-form

(±)-cis-form

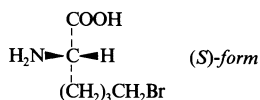
Cryst. (MeOH/EtOAc). Mp >120° (slow dec.).

N-tert-Butyloxycarbonyl, Me ester: Mp 89-90°.

Wick, L. et al, Helv. Chim. Acta, 1995, 78, 403 (synth, pmr, cmr, cryst struct)

2-Amino-6-bromohexanoic acid **A-1-00069**

6-Bromonorleucine

 $C_6H_{12}BrNO_2$ M 210.0**(S)-form***L-form*

Hydrobromide: [76419-49-3].

Mp 158-159°.

Me ester: [154061-67-3].

 $C_7H_{14}BrNO_2$ M 224.0 Cryst. solid (as hydrobromide). Mp 117-118°.

N-Ac, Me ester: [154061-68-4].

 $C_9H_{16}BrNO_3$ M 266.1 Oil.**(±)-form**

Solid. Mp 151-152°.

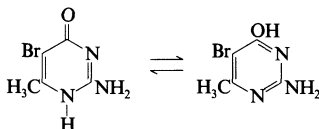
Hydrobromide: [10308-06-2].

Solid. Mp 158-159°.

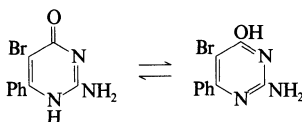
[76419-49-3]

Ermolaev, K.M. *et al*, *CA*, 1966, **65**, 9013a*(synth)*Effenberger, F. *et al*, *Chem. Ber.*, 1981, **114**, 173*(synth)*Mihara, H. *et al*, *CA*, 1984, **100**, 34793j *(synth)*Bambal, R. *et al*, *J.O.C.*, 1994, **59**, 729 *(deriv, synth, pmr, cmr)***2-Amino-5-bromo-4-hydroxy-6-methylpyrimidine** **A-1-00070**

2-Amino-5-bromo-6-methyl-4(1H)-pyrimidinone, 9CI. 2-Amino-5-bromo-6-methyl-4-pyrimidinol, 8CI. 5-Bromo-6-methylisocytosine. U 25166 [6307-35-3]

 $C_5H_6BrN_3O$ M 204.0Inducer of interferon. Antiviral agent. Cryst. (H_2O). Mp 250° dec.Hull, R. *et al*, *J.C.S.*, 1947, 41 *(synth)*Nishiwaki, T., *Chem. Pharm. Bull.*, 1961, 38 *(synth)*Ger. Pat., 2 522 047, (1975) (*Upjohn*); *CA*, **84**, 111652t *(synth, pharmacol)*Nichol, F.R. *et al*, *Antimicrob. Agents Chemother.*, 1976, **9**, 433 *(pharmacol)*Stringfellow, D.A., *Antimicrob. Agents Chemother.*, 1977, **11**, 984 *(pharmacol)*Hirota, K. *et al*, *J.O.C.*, 1978, **43**, 1193 *(synth)*Stringfellow, D.A., *Science (Washington, D.C.)*, 1978, **201**, 376 *(pharmacol)***2-Amino-5-bromo-4-hydroxy-6-phenylpyrimidine** **A-1-00071**

2-Amino-5-bromo-6-phenyl-4(1H)-pyrimidinone, 9CI. 2-Amino-5-bromo-6-phenyl-4-pyrimidinol. Bropirimine, BAN, INN, USAN. U 54461. ABPP [56741-95-8]

 $C_{10}H_8BrN_3O$ M 266.0

Antineoplastic and antiviral agent, interferon-alpha inducer. Shows antifibrotic activity in animal model of lung fibrosis. Phase II clinical trial (1993). Cryst. (EtOH aq.). Mp 268-270° (246-248°).

▶ LD₅₀ (rat, orl) > 3200 mg/kg. Exp. reprod. and teratogenic effects. Mutagenic props. UW7351300.Brown, T.B. *et al*, *J.C.S. Perkin 1*, 1975, 1023 *(synth)*Wynalda, M.A. *et al*, *Anal. Chem.*, 1980, **52**, 1931 *(hplc)*Stringfellow, D.A., *Prog. Cancer Res. Ther.*, 1981, **16**, 215 *(pharmacol)*Wierenga, W., *Drugs of the Future*, 1984, **9**, 567 *(rev)*Skulnick, H.I. *et al*, *J. Med. Chem.*, 1985, **28**, 1864 *(synth, pharmacol)*Aaron, C.S. *et al*, *Mutat. Res.*, 1991, **252**, 221, 229, 239 *(tox)*Zia, S. *et al*, *Pharmacol. Toxicol.*, 1992, **71**, 11. Wierenga, W., *Ann. N.Y. Acad. Sci.*, 1993, **685**, 296, 301 *(rev)*Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AIY850.**2-Aminobutanal** **A-1-00072** $H_3CCH_2CH(NH_2)CHO$ C_4H_9NO M 87.1**(±)-form**

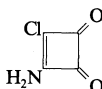
N,N-Di-Me: [20068-48-8].

 $C_6H_{13}NO$ M 115.1 Bp₁₈ 44-45°, Bp₁₆ 36°. n_D^{24} 1.424.

N,N-Di-Et: [20493-63-4].

 $C_8H_{17}NO$ M 143.2 Bp₁₂ 53°.Kogl, F. *et al*, *Annalen*, 1942, **552**, 1 (*Di-Me*)Kirmann, A. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 1091 (*Di-Et*)Duhamel, L. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 2942 (*Di-Me synth, ir, pmr*)**3-Aminobutanal, 9CI** **A-1-00073** $H_3CCH(NH_2)CH_2CHO$ C_4H_9NO M 87.1**(±)-form**Bp₁₂ 48°.Birkofer, L. *et al*, *Chem. Ber.*, 1958, **91**, 2383 *(synth)***3-Amino-4-chloro-3-cyclobutene-1,2-dione, 9CI** **A-1-00074**

[97962-64-6]

 $C_4H_2ClNO_2$ M 131.5

Cryst. (AcOH). Mp 180°.

N,N-Di-Me: [37669-68-4]. 3-Chloro-4-(dimethylamino)-3-cyclobutene-1,2-dione, 9CI

 $C_6H_6ClNO_2$ M 159.5 Light yellow cryst. Mp 74-76°.

N,N-Di-Et: [147932-81-8]. 3-Chloro-4-(diethylamino)-3-cyclobutene-1,2-dione

 $C_8H_{10}ClNO_2$ M 187.6 Deep yellow cryst. Mp 49.2-53.3°.

N-Ph: [97962-70-4].

 $C_{10}H_6ClNO_2$ M 207.6 Yellow cryst. Mp 186-189°.

N-Ph, N-Me:

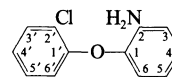
 $C_{11}H_6ClNO_2$ M 221.6 Yellow cryst. (EtOH). Mp 138-139°.

N-Benzyl, N-Ph: [97962-52-2].

 $C_{17}H_{12}ClNO_2$ M 297.7 Light yellow cryst. (EtOH). Mp 85-87°.Schmidt, A.H. *et al*, *Annalen*, 1985, 1021 *(synth, deriv)*Schmidt, A.H. *et al*, *Synthesis*, 1987, 134.Ohno, M. *et al*, *J.C.S. Perkin 1*, 1993, 263 (*di-Et deriv, synth, ir, pmr, cmr, ms*)**2-Amino-2'-chlorodiphenyl ether** **A-1-00075**

2-(2-Chlorophenoxy)benzenamine, 9CI. 2-(2-Chlorophenoxy)aniline

[56966-47-3]

 $C_{12}H_{10}ClNO$ M 219.6Prisms (petrol). Mp 45°. Bp₁₅ 203°.

Hydrochloride: Plates. Mp 171-173°.

Roberts, E., *J.C.S.*, 1925, **127**, 2004.McCombie, H. *et al*, *J.C.S.*, 1931, 529.**2-Amino-3'-chlorodiphenyl ether** **A-1-00076**

2-(3-Chlorophenoxy)benzenamine. 2-(3-Chlorophenoxy)aniline

[76838-73-8]

 $C_{12}H_{10}ClNO$ M 219.6Bp₁₃ 195°.

Hydrochloride: Prisms. Mp 149-151°.

N-Benzoyl:

 $C_{19}H_{14}ClNO_2$ M 323.7 Needles (EtOH aq.). Mp 106°.Roberts, E., *J.C.S.*, 1925, **127**, 2004.**2-Amino-4'-chlorodiphenyl ether** **A-1-00077**

2-(4-Chlorophenoxy)benzenamine. 2-(4-Chlorophenoxy)aniline

[2770-11-8]

 $C_{12}H_{10}ClNO$ M 219.6Bp₁₅ 202°, Bp_{0.1} 118°.

Hydrochloride: [114709-63-6].

Prisms or needles. Mp 190-191° (181°).

N-Benzoyl:


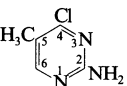
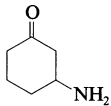
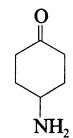
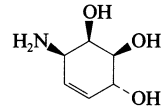
 $C_{19}H_{14}ClNO_2$ M 323.7 Fine needles (EtOH aq.). Mp 108-109°.Roberts, E. *et al*, *J.C.S.*, 1925, 2004.McCombie, H. *et al*, *J.C.S.*, 1931, 529.Wardrop, A.W.H. *et al*, *J.C.S. Perkin 1*, 1976, 1279.**4-Amino-4'-chlorodiphenyl ether** **A-1-00078**

4-(4-Chlorophenoxy)benzenamine. 4-(4-Chlorophenoxy)aniline

[101-79-1]

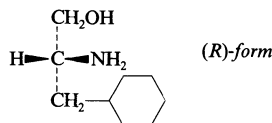
 $C_{12}H_{10}ClNO$ M 219.6

Prisms (MeOH). Mp 98-100°.

- N-Ac:
 $C_{14}H_{12}ClNO_2$ M 261.7 Plates
 (MeOH). Mp 146°.
 [40859-51-6]
 Scarborough, H.A., *J.C.S.*, 1929, 2361.
- 3-Amino-2-chloro-4-methylpyridine** **A-1-00079**
 2-Chloro-4-methyl-3-pyridinamine
 [133627-45-9]
- 
- $C_6H_7ClN_2$ M 142.5
 Cryst. (EtOAc). Mp 65-66°.
 Hargrave, K.D. *et al*, *J. Med. Chem.*, 1991, **34**, 2231 (*synth*, *pmr*)
 Grozinger, K.G. *et al*, *J. Het. Chem.*, 1995, **32**, 259 (*synth*)
- 3-Amino-2-chloro-6-methylpyridine** **A-1-00080**
 2-Chloro-6-methyl-3-pyridinamine
 [39745-40-9]
 $C_6H_7ClN_2$ M 142.5
 Cryst. (diisopropyl ether/petrol). Mp 76-78°.
 Tomczuk, B.E. *et al*, *J. Med. Chem.*, 1991, **34**, 2993 (*synth*)
- 4-Amino-3-chloro-2-methylpyridine** **A-1-00081**
 3-Chloro-2-methyl-4-pyridinamine
 [97944-40-6]
 $C_6H_7ClN_2$ M 142.5
 Cryst. (CHCl₃/petrol). Mp 108-110°.
 Ife, R.J. *et al*, *J. Med. Chem.*, 1989, **32**, 1970 (*synth*, *pmr*)
- 5-Amino-2-chloro-4-methylpyridine** **A-1-00082**
 6-Chloro-4-methyl-3-pyridinamine
 [66909-38-4]
 $C_6H_7ClN_2$ M 142.5
 Ac:
 $C_8H_9ClN_2O$ M 184.6 Cryst. Mp 155-156°.
 Chapman, D. *et al*, *J.C.S. Perkin 1*, 1980, 2398 (*synth*, *pmr*)
- 2-Amino-4-chloro-5-methylpyrimidine** **A-1-00083**
 4-Chloro-5-methyl-2-pyrimidinamine, 9CI
 [20090-58-8]
- 
- $C_5H_6ClN_3$ M 143.5
 Needles (EtOH). Mp 184-185°.
 Hull, R. *et al*, *J.C.S.*, 1947, 41 (*synth*)
- 2-Amino-4-chloro-6-methylpyrimidine, 8CI** **A-1-00084**
 4-Chloro-6-methyl-2-pyrimidinamine, 9CI
 [5600-21-5]
 $C_5H_6ClN_3$ M 143.5
- Nitrication inhibitor. Cryst. (EtOH). Mp 183-186°.
 Gabriel, S. *et al*, *Ber.*, 1899, **32**, 2921 (*synth*)
 Johnson, T.B. *et al*, *J.A.C.S.*, 1938, **60**, 1622 (*synth*)
 Clews, C.J.B. *et al*, *Nature (London)*, 1947, **159**, 264 (*cryst struct*)
 Marshall, J.R. *et al*, *J.C.S.*, 1951, 1004 (*synth*)
 Slangen, J.H.G., *Fert. Res.*, 1984, **5**, 1 (*rev*, *use*)
- 4-Amino-5-chloro-2-methylpyrimidine** **A-1-00085**
 5-Chloro-2-methyl-4-pyrimidinamine
 $C_5H_6ClN_3$ M 143.5
 Cryst. Mp 145-146°.
 Budesinsky, Z., *Coll. Czech. Chem. Comm.*, 1949, **14**, 223 (*synth*)
- 4-Amino-5-chloro-6-methylpyrimidine** **A-1-00086**
 5-Chloro-6-methyl-4-pyrimidinamine
 $C_5H_6ClN_3$ M 143.5
 Prisms (H₂O). Mp 197-198°.
 Gabriel, S. *et al*, *Ber.*, 1901, **34**, 1238 (*synth*)
 Nishiwaki, T., *Tetrahedron*, 1966, **22**, 2401 (*synth*)
- 4-Amino-6-chloro-2-methylpyrimidine** **A-1-00087**
 6-Chloro-2-methyl-4-pyrimidinamine, 9CI
 [1749-68-4]
 $C_5H_6ClN_3$ M 143.5
 Needles (MeOH). Mp 190-191°.
 Foldi, Z. *et al*, *Ber.*, **B**, 1942, **75**, 755 (*synth*)
 Baddiley, J. *et al*, *J.C.S.*, 1943, 383 (*synth*)
- 4-Amino-6-chloro-5-methylpyrimidine** **A-1-00088**
 6-Chloro-5-methyl-4-pyrimidinamine
 [14394-56-0]
 $C_5H_6ClN_3$ M 143.5
 Cryst. (H₂O). Mp 237-238°.
 Hull, R. *et al*, *J.C.S.*, 1947, 41.
- 5-Amino-2-chloro-4-methylpyrimidine** **A-1-00089**
 2-Chloro-4-methyl-5-pyrimidinamine
 [20090-69-1]
 $C_5H_6ClN_3$ M 143.5
 Needles (H₂O). Mp 93.5°.
 Gabriel, S. *et al*, *Ber.*, 1901, **34**, 1238 (*synth*)
 Overberger, C.G. *et al*, *J.A.C.S.*, 1954, **76**, 1953 (*synth*)
- 5-Amino-4-chloro-6-methylpyrimidine** **A-1-00090**
 4-Chloro-6-methyl-5-pyrimidinamine
 $C_5H_6ClN_3$ M 143.5
 Cryst. Mp 98-99°.
 Taylor, E.C. *et al*, *J.O.C.*, 1961, **26**, 4961 (*synth*)
- 3-Aminocyclohexanone** **A-1-00091**
 [149520-74-1]
- 
- $C_6H_{11}NO$ M 113.1
 N,N-Di-Me: [15676-74-1]. 3-Dimethylaminocyclohexanone
 $C_8H_{15}NO$ M 141.2 Mp 102-103°.
 Mousseron, M. *et al*, *Bull. Soc. Chim. Fr.*, 1954, 1246 (*deriv*)
 U.S. Pat., 5 206 367, (1993); *CA*, **119**, 139228z (*synth*)
- 4-Aminocyclohexanone** **A-1-00092**
 [87976-86-1]
- 
- $C_6H_{11}NO$ M 113.1
 Parent compd. poorly documented, not characterised.
 N,N-Di-Me: [40594-34-1].
 $C_8H_{15}NO$ M 141.2 Bp₁₂ 95°. n_D^{25} 1.4706.
 Nelson, N.A. *et al*, *J.O.C.*, 1957, **22**, 1146 (*deriv*)
 Sola, R. *et al*, *Now. J. Chim.*, 1984, **8**, 459; *CA*, **102**, 45224s.
- 6-Amino-4-cyclohexene-1,2,3-triol** **A-1-00093**
 [89615-00-9]
- 
- (1R,2S,3R,6R)-form
 $C_6H_{11}NO_3$ M 145.1
 (1R,2S,3R,6R)-form [142796-97-2]
 V. hygroscopic solid. Mp 148-150° (90-92°). $[\alpha]_D^{25}$ -221 (c, 0.79 in MeOH).
 (1RS,2RS,3RS,6SR)-form
 Conduramine F₄
 No phys. props. reported.
 (1RS,2RS,3SR,6RS)-form [155239-03-5]
 Conduramine F₁
 N,O,O,O-Tetra-Ac:
 $C_{14}H_{19}NO_7$ M 313.3 Mp 142° (139-141°).
 (1RS,2SR,3RS,6RS)-form [155239-06-8]
 Conduramine C₁
 Cryst.
 (1RS,2SR,3RS,6SR)-form [155239-00-2]
 Conduramine A₁
 N,O,O,O-Tetra-Ac: Mp 156-159° (121°).
 (1RS,2SR,3SR,6SR)-form
 Conduramine C₄
 No phys. props. reported.
 [78774-27-3, 79435-30-6, 138513-21-0, 139626-79-2, 139626-80-5, 141269-14-9]
 Allemann, S. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1 (*synth*, *bibl*)
 Leung-Toung, R. *et al*, *Tet. Lett.*, 1994, **35**, 1639 (*synth*, *bibl*)

2-Amino-3-cyclohexylpropanol A-1-00094

β-Aminocyclohexanepropanol, 9CI.
Cyclohexylalaninol
[103808-94-2]



$C_9H_{19}NO$ M 157.2

(R)-form

Mp 152-154° (hydrochloride). $[\alpha]_D^{20}$ -2.24 (c, 2.99 in H_2O).

(S)-form [117160-99-3]

L-form

Mp 151-154° (hydrochloride). $[\alpha]_D^{21}$ +2.05 (c, 4.87 in H_2O). CAS no. refers to hydrochloride.

N-tert-Butyloxycarbonyl: Thick oil.

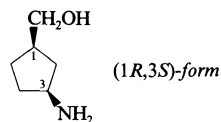
[131288-67-0]

Grunewald, G.L. *et al*, *J. Med. Chem.*, 1982, **25**, 1248 (*synth*)

Krysan, D.J. *et al*, *Org. Prep. Proced. Int.*, 1993, **25**, 437.

3-Aminocyclopentane-methanol, 9CI A-1-00095

1-Amino-3-hydroxymethylcyclopentane
[123288-54-0]



$C_6H_{13}NO$ M 115.1

Precursor to synth. of carbocyclic nucleosides.

(1R,3S)-form [117957-62-7]

Described as (1*S*,3*R*) by Bergmeier.

Hydrochloride: [147780-38-9].

Glass. $[\alpha]_D^{20}$ -7.4 (c, 2.7 in 1*M* HCl).

N-Phenylsulfonyl: [151112-65-1].

$[\alpha]_D^{25}$ -4.5 (c, 1.5 in $CHCl_3$).

(1S,3S)-form

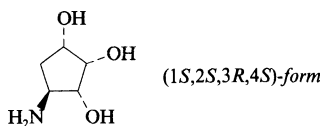
Hydrochloride: [147780-45-8].

Oil. $[\alpha]_D^{20}$ -2.7 (c, 2.2 in 1*M* HCl).

[78795-20-7, 102099-18-3, 151214-31-2]

Hronowski, L.J.J. *et al*, *Can. J. Chem.*, 1988, **66**, 61 (*synth*, *pmr*)

Bergmeier, S.C. *et al*, *J.O.C.*, 1993, **58**, 2369, 5019 (*synth*, *pmr*, *cmr*)

4-Amino-1,2,3-cyclopentanetriol A-1-00096

$C_5H_{11}NO_3$ M 133.1

(1S,2S,3R,4S)-form

2,3-O-Isopropylidene:

$C_8H_{15}NO_3$ M 173.2 Synthon for carbocyclic nucleosides e.g. Aristeromycin, A-0-04394. Mp 85.8°. $[\alpha]_D$ -51.5 (c, 0.33 in $CHCl_3$).

(1R*S*,2R*S*,3R*S*,4R*S*)-form

2,3-O-Isopropylidene: Mp 128°.

(1R*S*,2R*S*,3R*S*,4R*S*)-form

2,3-O-Isopropylidene: Cryst. (Et_2O). Mp 128°.

Jung, M. *et al*, *Helv. Chim. Acta*, 1983, **66**, 1915

(*synth*, *ir*, *pmr*)

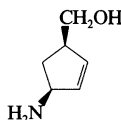
Gallos, J.K. *et al*, *J.C.S. Perkin 1*, 1994, 613

(*synth*)

4-Amino-2-cyclopentene-1-methanol A-1-00097

2-Amino-4-hydroxymethylcyclopentene. 4-Hydroxymethyl-2-cyclopenten-1-amine

[121481-90-1]



$C_6H_{11}NO$ M 113.1

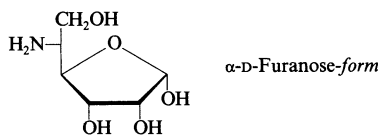
(1R*S*,4R*S*)-form [122624-72-0]

(±)-*cis*-form

Syrup. Not purified.

[131320-53-1, 136522-30-0, 136522-35-5]

Norman, M.H. *et al*, *Synth. Commun.*, 1992, **22**, 3197 (*synth*)

5-Amino-5-deoxyallose A-1-00098

$C_6H_{13}NO_5$ M 179.1

α-D-Furanose-form

1,2-O-Isopropylidene, 3,5*N*-dibenzoyl: [31718-81-7].

$C_{23}H_{25}NO_7$ M 427.4 Mp 206-208°.

$[\alpha]_D^{25}$ +100 (c, 1.2 in $CHCl_3$).

1,2-O-Isopropylidene, 3,5*N*-dibenzoyl, 6-trityl: [31718-80-6].

$C_{42}H_{39}NO_7$ M 669.7 Syrup. $[\alpha]_D^{22}$ +67 (c, 1.1 in $CHCl_3$).

β-D-Furanose-form

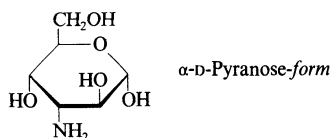
Allyl glycoside, 2,3-O-isopropylidene: [123168-75-2].

$C_{12}H_{21}NO_5$ M 259.3 Solid. Mp 83.5-

84.5°. $[\alpha]_D^{20}$ -46.5 (c, 0.72 in CH_2Cl_2).

Naka, T. *et al*, *Tet. Lett.*, 1971, 95 (*α*-D-fur deriv, *pmr*)

Auberson, Y. *et al*, *Angew. Chem., Int. Ed.*, 1989, **28**, 1498 (*allyl glycoside*, *ir*)

3-Amino-3-deoxyaltrose A-1-00099

$C_6H_{13}NO_5$ M 179.1

α-D-Pyranose-form

Me glycoside: [55274-73-2].

$C_7H_{15}NO_5$ M 193.1 Mp 208° (188° dec. (hydrochloride)). $[\alpha]_D^{25}$ +91 (c, 1.1 in H_2O). CAS no. refers to hydrochloride.

Me glycoside, 2,3*N*,4,6-tetra-Ac: [72523-30-9].

$C_{15}H_{23}NO_9$ M 361.3 Cryst.

($EtOAc/CHCl_3$). Mp 177° (171-172°). $[\alpha]_D$ +42.2 ($CHCl_3$).

β-D-Pyranose-form

Benzyl glycoside:

$C_{13}H_{19}NO_5$ M 269.2 Cryst. ($EtOH$)

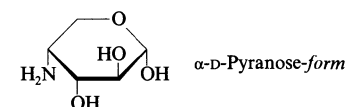
(as hydrochloride). Mp 200-250° dec.

(hydrochloride). $[\alpha]_D^{25}$ -72 (c, 0.5 in D_2O).

Baker, B.R. *et al*, *J.O.C.*, 1954, **19**, 646 (*α*-*Me pyr tetra-Ac*)

Baer, H.H. *et al*, *Carbohydr. Res.*, 1979, **76**, 141 (*α*-*Me pyr*)

Jacobsen, S., *Acta Chem. Scand., Ser. B*, 1988, **42**, 605 (*α*-*Me pyr deriv*)

4-Amino-4-deoxyarabinose A-1-00100

$C_5H_{11}NO_4$ M 149.1

β-D-form [86288-09-7]

Constit. of lipopolysaccharide of some gram negative bacteria e.g. *Salmonella minnesota*, *S. typhimurium*, *Proteus mirabilis*, *Rhodocyclus purpureus*.

N-Ac:

$C_7H_{13}NO_5$ M 191.1 Cryst.

($MeOH/Et_2O$). Mp 157.5-158.5°. $[\alpha]_D^{23}$ -65 → -73 (c, 2.53 in H_2O).

α-D-Pyranose-form

Me glycoside: Methyl 4-amino-4-deoxy-α-D-arabinopyranoside

$C_6H_{13}NO_4$ M 163.1 Cryst. ($EtOH$)

(as hydrochloride). Mp 180-183°

(hydrochloride). $[\alpha]_D^{25}$ +3 (c, 1.75 in H_2O).

Me glycoside, N-Ac:

$C_8H_{15}NO_5$ M 205.2 Cryst. ($EtOH$).

Mp 129-130°. $[\alpha]_D^{23}$ +1.6 (c, 1.83 in H_2O).

α-D-Furanose-form

1,2,3,4*N*, 5-Penta-Ac:

$C_{15}H_{21}NO_9$ M 359.3 Syrup. $[\alpha]_D^{23}$ -31

(c, 0.45 in $CHCl_3$).

Me glycoside, N-Ac: Cryst.

($MeOH/Et_2O$ /heptane). Mp 145.5-146.5°.

$[\alpha]_D^{23}$ -44 (c, 1 in H_2O).

β-D-Furanose-form

1,2,3,4*N*, 5-Penta-Ac: Syrup. $[\alpha]_D^{23}$ -70 (c, 1.35 in $CHCl_3$).

Me glycoside, N-Ac: Syrup. $[\alpha]_D^{23}$ -68 (c, 0.5 in H_2O).

L-Pyranose-form

Hydrochloride: Yellow glass. $[\alpha]_D^{20}$ +49.6 (c, 0.8 in D_2O).

α-L-Pyranose-form

Me glycoside: [19140-34-2]. Methyl 4-amino-4-deoxy-α-L-arabinopyranoside

$C_6H_{13}NO_4$ M 163.1 Cryst. (as

hydrochloride). Mp 184.5-185° dec.

(hydrochloride). $[\alpha]_D$ -3 (c, 0.98 in H_2O).

CAS no. refers to hydrochloride.

Me glycoside, N-Ac: [19140-35-3].

Cryst. Mp 129-130°. $[\alpha]_D$ -1.8 (c, 3.43 in H_2O).

Me glycoside, 2,3,4*N*-tri-Ac: [19210-07-2].

$C_{12}H_{19}NO_7$ M 289.2 Glass. $[\alpha]_D$ -34

(c, 1.35 in $CHCl_3$).

β-L-Pyranose-form

1-Dihydrogen phosphate: [83364-05-0].

$C_5H_{12}NO_7P$ M 229.1 Constit. of lipopolysaccharide of *Salmonella minnesota*. Syrup.

Me glycoside, 2,3,4N-tri-Ac: [76800-61-8]. Prisms + 0.5H₂O (EtOAc/hexane). Mp 72-75°.

Me glycoside, 2,3-dimesyl, N-Ac: [89195-93-7].

$C_{10}H_{19}NO_9S_2$ M 361.3 Prisms (pentane). Mp 162-163° (158-159°).

[29973-49-7, 118117-12-7, 118149-40-9]

Dick, A.J. *et al*, *Can. J. Chem.*, 1968, **46**, 425 (D-deriv, α -D-pyr derivs, α -D-fur derivs, β -D-fur derivs, α -L-pyr derivs)

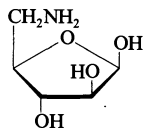
Batley, M. *et al*, *Biochemistry*, 1982, **21**, 6580 (*phosphate, pmr, occur*)

Nateway, J.J. *et al*, *Carbohydr. Res.*, 1988, **179**, 199 (L-pyr)

Bhat, R. *et al*, *J. Bacteriol.*, 1990, **172**, 6631 (*occur*)

Dimitriev, B.A. *et al*, *FEMS Microbiol. Lett.*, 1991, **77**, 39 (*occur*)

5-Amino-5-deoxyarabinose A-1-00101



β -D-Furanose-form

$C_5H_{11}NO_4$ M 149.1

β -D-Furanose-form

1,2-O-Isopropylidene, 3-mesyl, N-Ac: [7687-67-4].

$C_{11}H_{19}NO_5S$ M 309.3 Cryst. (Me₂CO/Et₂O/pentane). Mp 127-128°. [α]_D²⁵ + 6.5 (c, 1.16 in MeOH).

1,2-O-Isopropylidene, 3-mesyl, N-benzoyl: [7687-68-5].

$C_{16}H_{21}NO_5S$ M 371.4 Mp 117-118°. [α]_D²⁵ + 9 (c, 0.55 in MeOH).

L-form

5N-Ac, benzylphenylhydrazone: Cryst. (Me₂CO/Et₂O/pentane). Mp 155-156°. [α]_D²³ - 12.2 (c, 2.05 in MeOH).

1-Diethyldithioacetal, N-Ac:

$C_{11}H_{23}NO_4S_2$ M 297.4 Cryst. (EtOH/Et₂O/2,2,4-trimethylpentane). Mp 133-134°. [α]_D²³ + 90 (c, 1.0 in CHCl₃).

L-Pyranose-form

N-Ac: [13428-12-1].

$C_7H_{13}NO_5$ M 191.1 Mp 145-146°. [α]_D²⁴ + 18.5 (c, 2.02 in H₂O), [α]_D²⁴ + 8.6 (0.1M HCl).

L-Furanose-form

1,2,3,5N-Tetra-Ac:

$C_{13}H_{19}NO_8$ M 317.2 Syrup. [α]_D + 5 (c, 2.62 in CHCl₃).

β -L-Furanose-form

1,2-O-Isopropylidene, N-Ac:

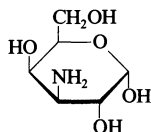
$C_{10}H_{17}NO_5$ M 231.2 Cryst. Mp 143-144°. [α]_D - 45 (c, 2.0 in MeOH).

Jones, J.K.N. *et al*, *J.C.S.*, 1962, 4699 (L-form, β -L-fur)

Hanessian, S. *et al*, *J.O.C.*, 1963, **28**, 2604 (L-form, L-pyr)

Hanessian, S. *et al*, *J.O.C.*, 1967, **32**, 163 (β -D-fur)

3-Amino-3-deoxygalactose A-1-00102



α -D-Pyranose-form

$C_6H_{13}NO_5$ M 179.1

α -D-Pyranose-form

Me glycoside: [122204-77-7].

$C_7H_{15}NO_5$ M 193.1 Cryst. Mp 96-99°.

Me glycoside, hydrochloride: [37073-85-1]. Mp 219-221° (197°) dec. [α]_D²⁰ + 159 (c, 0.3 in H₂O).

Me glycoside, 2,3N,4,6-tetra-Ac:

$C_{15}H_{23}NO_9$ M 361.3 Syrup. [α]_D + 104 (c, 0.6 in CHCl₃).

β -D-Pyranose-form

N-Ac: [135684-04-7].

$C_8H_{15}NO_6$ M 221.2 Cryst. (MeOH). Mp 173-174°. [α]_D + 99 → + 119 (c, 2.5 in H₂O).

1,6-Anhydro:

$C_6H_{11}NO_4$ M 161.1 Cryst. (MeOH/Me₂CO) (as hydrochloride). Mp 180-185° dec. (hydrochloride). [α]_D²⁰ - 9.0 (c, 1.0 in H₂O).

Kuhn, R. *et al*, *Annalen*, 1960, **636**, 164 (β -N-Ac)

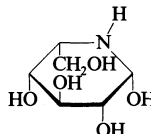
Heyns, K. *et al*, *Chem. Ber.*, 1965, **98**, 327 (*anhydro*)

Baer, H.H. *et al*, *Can. J. Chem.*, 1972, **50**, 1216 (α -Me pyr)

Jacobsen, S., *Acta Chem. Scand., Ser. B*, 1988, **42**, 605 (*deriv, pmr, cmr*)

Defaye, J. *et al*, *Carbohydr. Res.*, 1991, **212**, 129 (α -N-Ac, β -N-Ac, *pmr, cmr*)

5-Amino-5-deoxyidose A-1-00103



β -L-Pyranose-form

$C_6H_{13}NO_5$ M 179.1

β -L-Pyranose-form

1,6-Anhydro: [15065-80-2].

$C_6H_{11}NO_4$ M 161.1 Cryst. (MeOH). Mp 140° dec. [α]_D²³ + 114.5 (c, 1.0 in H₂O).

1,6-Anhydro, N-Ac: [14679-59-5].

$C_8H_{13}NO_5$ M 203.1 Cryst. (MeOH). Mp 190-191°. [α]_D²⁰ + 79.3 (c, 2.0 in H₂O).

1,6-Anhydro, 2,3,4,5N-tetra-Ac: [15072-72-7].

$C_{14}H_{19}NO_8$ M 329.3 Syrup. [α]_D²⁰ + 48.9 (c, 2.0 in MeOH).

β -L-Furanose-form

1,2-O-Isopropylidene: [14685-99-5].

$C_9H_{17}NO_5$ M 219.2 Leaflets (EtOH/Et₂O). Mp 184-185° (178°). [α]_D²⁰ - 3.7 (c, 1.1 in MeOH).

1,2-O-Isopropylidene, 3,5N,6-tri-Ac: [25474-01-5].

$C_{15}H_{23}NO_8$ M 345.3 Cryst. (Et₂O). Mp 92-94°. [α]_D²³ - 14.4 (c, 2.3 in CHCl₃).

1,2-O-Isopropylidene, 3-benzyl, N-Ac: [22412-62-0].

$C_{18}H_{25}NO_6$ M 351.3 Needles (2-propanol/hexane). Mp 143-144°. [α]_D²¹ - 7.4 (c, 5.3 in CHCl₃).

1,2-O-Isopropylidene, N-benzoyloxycarbonyl: [129279-37-4].

$C_{17}H_{23}NO_7$ M 353.3 Cryst. (EtOAc). Mp 140-141°. [α]_D - 24.5 (c, 0.5 in CHCl₃).

Gramera, R.E. *et al*, *J.O.C.*, 1963, **28**, 1401 (*isopropylidene*)

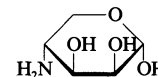
Paulsen, H. *et al*, *Chem. Ber.*, 1966, **99**, 3450 (β -L-pyr deriv)

Saeki, H. *et al*, *Chem. Pharm. Bull.*, 1968, **16**, 962, 2471 (*isopropylidene, ir*)

Tsuda, Y. *et al*, *Chem. Pharm. Bull.*, 1989, **37**, 2673 (*tri-Ac, ir, pmr, cmr*)

Kayakiri, H. *et al*, *Chem. Pharm. Bull.*, 1991, **39**, 1397 (*N-benzoyloxycarbonyl, pmr, cmr, ms*)

4-Amino-4-deoxylyxose A-1-00104



α -D-Pyranose-form

$C_5H_{11}NO_4$ M 149.1

α -D-Pyranose-form

Benzyl glycoside, 2,3-anhydro: [78907-34-3].

$C_{12}H_{15}NO_3$ M 221.2 Cryst. [α]_D²⁰ + 91 (CHCl₃).

α -L-Pyranose-form

Me glycoside, 2-mesyl: [101305-43-5].

$C_7H_{15}NO_6S$ M 241.2 Cryst. (EtOAc). Mp 134°. [α]_D²⁵ - 99 (c, 0.53 in CHCl₃).

Me glycoside, N,N-di-Me, 2,3-dimesyl: [87908-09-6].

$C_{10}H_{21}NO_8S_2$ M 347.4 Cryst. Mp 118°.

β -L-Pyranose-form

Benzyl glycoside, 2,3-anhydro: [78907-33-2]. Cryst. Mp 37-38°. [α]_D²⁰ + 105 (CHCl₃).

L-Furanose-form [28441-49-8]

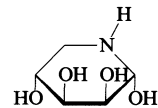
Amorph. powder (MeOH). [α]_D + 4 (c, 0.92 in H₂O).

Paulsen, H. *et al*, *Chem. Ber.*, 1970, **103**, 1621 (L-fur)

Picq, D. *et al*, *Tetrahedron*, 1983, **39**, 1797; 1985, **41**, 2681 (*Me gly deriv, pmr*)

Malik, A. *et al*, *Chem. Comm.*, 1984, 1530 (*benzyl gly deriv*)

5-Amino-5-deoxylyxose A-1-00105



α -D-Pyranose-form

$C_5H_{11}NO_4$ M 149.1

D-form

N-Ac, benzylphenylhydrazone: [13391-66-7]. Cryst. (Me₂CO/Et₂O). Mp 155-156°. [α]_D²³ + 23.4 (c, 0.17 in MeOH).

α -D-Pyranose-form

N-Ac: [7687-55-0].

$C_7H_{13}NO_5$ M 191.1 Mp 166-167° (156-158°). [α]_D²⁵ - 71 (c, 1.0 in H₂O), [α]_D - 55 (c, 1.0 in H₂O).

1,2,3,4,5N-Penta-Ac: [7700-00-7].

$C_{15}H_{21}NO_8$ M 359.3 Mp 131-132° (121-122°). [α]_D - 20 (c, 0.6 in CHCl₃).

α -D-Furanose-form

2,3-O-Isopropylidene, N-Ac: [20750-25-8].

$C_{10}H_{17}NO_5$ M 231.2 Cryst. (EtOAc). Mp 125-125.5°. [α]_D + 23 (c, 1.0 in MeOH).

Benzyl glycoside, N-Ac: [20750-26-9].

$C_{14}H_{19}NO_5$ M 281.3 Syrup. $[\alpha]_D^{20} + 84$ (c, 0.9 in MeOH).

Benzyl glycoside, 2,3-O-isopropylidene, N-Ac: [20750-24-7].

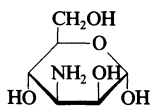
$C_{17}H_{23}NO_5$ M 321.3 Cryst. (CHCl₃/petrol). Mp 86-87°. $[\alpha]_D^{20} + 84$ (c, 1.0 in CHCl₃).

Hanessian, S., *J.O.C.*, 1967, **32**, 163 (*synth, derivs*)

Brimacombe, J.S. *et al*, *J.C.S.(C)*, 1968, 181 (α -D-fur deriv)

Poh, B. *et al*, *Aust. J. Chem.*, 1984, **37**, 971 (α -D-pyr deriv, pmr, ir)

3-Amino-3-deoxymannose A-1-00106



α -D-Pyranose-form

$C_6H_{13}NO_5$ M 179.1

α -D-Pyranose-form

Hydrochloride: [32795-22-5].

Cryst. Mp 165-167° dec. $[\alpha]_D^{20} + 17 \rightarrow 6$ (c, 1.0 in H₂O).

1,2,4,6-Tetra-Ac: [33034-49-0].

$C_{14}H_{21}NO_9$ M 347.3 Syrup (as hydrochloride). CAS no. refers to hydrochloride.

1,3N,4,6-Tetra-Ac: [32795-23-6].

$C_{14}H_{21}NO_9$ M 347.3 Cryst. Mp 142-143°. $[\alpha]_D^{20} + 98$ (c, 0.9 in H₂O).

1,2,3N,4,6-Penta-Ac: [33034-50-3].

$C_{16}H_{23}NO_{10}$ M 389.3 Cryst. (Me₂CO/Et₂O/petrol). Mp 117-119°. $[\alpha]_D^{20} + 35$ (c, 1.0 in CHCl₃).

N-Benzoyl, 1,2,4,6-tetra-Ac: [32795-21-4].

$C_{21}H_{25}NO_{10}$ M 451.4 Mp 150-153° (Et₂O/petrol). $[\alpha]_D^{20} + 8$ (c, 1.0 in CHCl₃).

Me glycoside: [14193-51-2]. *Methyl 3-amino-3-deoxy- α -D-mannopyranoside*

$C_7H_{15}NO_5$ M 193.1 Syrup.

Me glycoside, hydrochloride: [14133-35-8].

Cryst. Mp 205° dec. $[\alpha]_D^{20} + 60$ (H₂O).

Me glycoside, N-Ac: [14196-89-5].

$C_9H_{17}NO_6$ M 235.2 Cryst. (EtOH). Mp 241-243° (192-193°) dec. $[\alpha]_D^{20} + 44$ (c, 1.66 in H₂O).

Me glycoside, 3N,4,6-tri-Ac: [22412-70-0].

$C_{13}H_{21}NO_8$ M 319.3 Cryst. Mp 139-140°.

Me glycoside, 2,3N,4,6-tetra-Ac: [72523-35-4].

$C_{15}H_{23}NO_9$ M 361.3 Cryst. (Me₂CO/Et₂O). Mp 153° (142-143°). $[\alpha]_D^{20} + 24.6$ (c, 2.0 in CHCl₃), $[\alpha]_D^{20} + 41$ (c, 1.8 in H₂O), $[\alpha]_D^{20} + 28$ (c, 0.7 in H₂O).

Me glycoside, N-benzoyl: [22412-65-3].

$C_{14}H_{19}NO_6$ M 297.3 Amorph. solid.

Me glycoside, N-benzoyl, 2,4,6-tri-Ac: [22412-66-4].

$C_{20}H_{25}NO_9$ M 423.4 Needles (EtOH). Mp 144°.

Me glycoside, 4,6-O-benzylidene, N-benzoyl: [22412-67-5].

$C_{21}H_{23}NO_6$ M 385.4 Needles (EtOH). Mp 178-180°.

β -D-Pyranose-form

Me glycoside: Methyl 3-amino-3-deoxy- β -D-mannopyranoside

$C_7H_{15}NO_5$ M 193.1 Cryst. (as hydrochloride). Mp 230-231° dec. (hydrochloride). $[\alpha]_D^{20} - 68.5$ (H₂O).

1,6-Anhydro: [122204-79-9].

$C_6H_{11}NO_4$ M 161.1 Syrup.

1,6-Anhydro, hydrochloride: [122204-83-5]. Cryst. (EtOH). Mp 187° dec. $[\alpha]_D^{20} - 102$ (c, 0.7 in H₂O).

Baer, H.H. *et al*, *J.A.C.S.*, 1960, **82**, 3709 (α -Me gly)

Baer, H.H. *et al*, *Can. J. Chem.*, 1963, **41**, 1606 (β -Me gly)

Shigeharu, I. *et al*, *Chem. Pharm. Bull.*, 1966, **14**, 902, 1210; 1972, **20**, 2320 (*deriv, ms*)

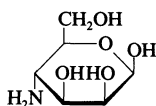
Shibata, H. *et al*, *Agric. Biol. Chem.*, 1968, **32**, 1006 (α -Me pyr N-benzoyl deriv, ir)

Paulsen, H. *et al*, *Chem. Ber.*, 1971, **104**, 1311 (α -pyr tetra-Ac, α -pyr penta-Ac)

Jacobsen, S. *et al*, *Acta Chem. Scand., Ser. B*, 1988, **42**, 605 (β -pyr deriv, pmr)

Defaye, J., *Carbohydr. Res.*, 1991, **212**, 129 (α -Me gly N-Ac, pmr)

4-Amino-4-deoxymannose A-1-00107



β -D-Pyranose-form

$C_6H_{13}NO_5$ M 179.1

D-form [114912-49-1]

Syrup.

β -D-Pyranose-form

1,6-Anhydro:

$C_6H_{11}NO_4$ M 161.1 Cryst. (EtOH aq.) (as hydrochloride). Mp 175-180° dec. (hydrochloride). $[\alpha]_D^{18} - 100.4$ (c, 4.56 in H₂O).

1,6-Anhydro, 2,3,4N-tri-Ac:

$C_{12}H_{17}NO_7$ M 287.2 Needles (EtOH). Mp 180°. $[\alpha]_D^{18} - 76$ (c, 0.54 in CHCl₃).

α -D-Furanose-form

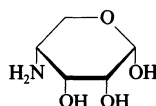
Benzyl glycoside, 2,3-O-isopropylidene:

$C_{16}H_{23}NO_5$ M 309.3 Syrup.

James, S.P. *et al*, *J.C.S.*, 1946, 625 (β -D-pyr derivs)

Bashyal, B.P. *et al*, *Tetrahedron*, 1987, **43**, 3083 (α -D-fur deriv, pmr, ms)

4-Amino-4-deoxyribose A-1-00108



α -D-Pyranose-form

$C_5H_{11}NO_4$ M 149.1

α -D-Pyranose-form

Hydrochloride: [136766-50-2].

Syrup.

β -D-Pyranose-form

Hydrochloride: [136766-51-3].

Syrup.

Benzyl glycoside, 2,3-anhydro: [65518-85-6].

$C_{12}H_{15}NO_3$ M 221.2 Cryst. Mp 55°. $[\alpha]_D^{20} + 54.4$ (CHCl₃).

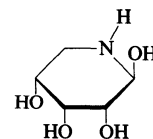
Kimmich, R. *et al*, *Annalen*, 1981, 1100 (*benzyl gly*)

Malik, A. *et al*, *Chem. Comm.*, 1984, 1530 (*benzyl gly*)

Witte, J.F. *et al*, *Tet. Lett.*, 1991, **32**, 3927

(*synth, pmr, cmr*)

5-Amino-5-deoxyribose A-1-00109



β -D-Pyranose-form

$C_5H_{11}NO_4$ M 149.1

D-form

Benzylphenylhydrazone, 5N-Ac: Cryst.

(MeOH/Et₂O/petrol). Mp 143-144°. $[\alpha]_D^{25} - 36.4$ (c, 1.72 in MeOH).

β -D-Pyranose-form

3,4,5N-Tri-Ac:

$C_{11}H_{17}NO_7$ M 275.2 Cryst. (EtOAc). Mp 139-140°.

2,3,4,5N-Tetra-Ac:

$C_{13}H_{19}NO_8$ M 317.2 Cryst. (EtOAc). Mp 147-148°.

D-Furanose-form

N-Ac:

$C_7H_{13}NO_5$ M 191.1 Amorph. solid. $[\alpha]_D^{24} + 19$ (c, 1.6 in H₂O).

β -D-Furanose-form

Me glycoside, 2,3-O-isopropylidene: [14131-74-9].

$C_9H_{17}NO_4$ M 203.2 Oil. $[\alpha]_D^{25} - 71.6$ (c, 0.8 in CHCl₃).

Me glycoside, 2,3-O-isopropylidene, hydrochloride: Needles (EtOH). Mp 201.5-202°. $[\alpha]_D^{25} - 34.5$ (c, 6.3 in H₂O).

Benzyl glycoside, 2,3-O-isopropylidene, N-Ac: $C_{17}H_{23}NO_5$ M 321.3 Cryst. (Et₂O/pentane). Mp 50°, Mp 65° (solvate).

DL-form

Di-Me acetal, 2,3,4,5N-tetra-Ac: [119830-25-0].

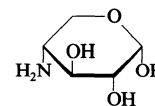
$C_{15}H_{25}NO_9$ M 363.3 Cryst. (EtOAc/cyclohexane). Mp 101-102°.

Hanessian, S. *et al*, *J.O.C.*, 1963, **28**, 2604 (*D-fur deriv, ir, cryst struct*)

Leonard, N.J. *et al*, *J. Het. Chem.*, 1966, **3**, 485 (*Me β -D-fur deriv, pmr*)

Defoin, A. *et al*, *Helv. Chim. Acta*, 1988, **71**, 1642 (*DL-form, β -D-pyr deriv, ir, pmr, cmr*)

4-Amino-4-deoxyxylose A-1-00110



α -D-Pyranose-form

$C_5H_{11}NO_4$ M 149.1

D-form

1,1-Diethyl dithioacetal, N-benzoyl: [91876-89-0].

$C_{16}H_{25}NO_4S_2$ M 359.5 Cryst. (MeOH/EtOAc/hexane). Mp 144-147°. $[\alpha]_D^{20} + 15$ (c, 0.9 in Pyr).

1,1-Diethyl dithioacetal, N-benzoyl, 5-Ac:

[91876-88-9].

$C_{18}H_{27}NO_5S_2$ M 401.5 Cryst. (EtOAc/hexane). Mp 139-141°. $[\alpha]_D^{22} - 10$ (c, 2 in CHCl₃).

1,1-Diethyl dithioacetal, 5-benzoyl, N-Ac:

[91876-87-8].

$C_{18}H_{27}NO_5S_2$ M 401.5 Cryst. (EtOAc/hexane). Mp 120-125°. $[\alpha]_D^{22} + 27$ (c, 2.5 in CHCl₃).

1,1-Diethyl dithioacetal, 4N,5-dibenzoyl:

[91876-99-2].

$C_{22}H_{29}NO_5S_2$ M 463.6 Cryst.
($CHCl_3/Et_2O$). Mp 113-115°. $[\alpha]_D^{22} + 21$ (c, 1.4 in $CHCl_3$).

1,1-Diethyl dithioacetal, 2,3-O-isopropylidene, 4N,5-dibenzoyl: [91876-86-7].

$C_{26}H_{33}NO_5S_2$ M 503.6 Cryst.
($CHCl_3/Et_2O$). Mp 125-128°. $[\alpha]_D^{22} - 41$ (c, 1 in $CHCl_3$).

N,N-Di-Me:

$C_7H_{15}NO_4$ M 177.2 Cryst. (as hydrochloride). Mp 166-169° dec. (hydrochloride). $[\alpha]_D^{24} - 18$ (c, 2 in H_2O).

α -D-Pyranose-form

Me glycoside:

$C_6H_{13}NO_4$ M 163.1 Mp 196-197° dec. $[\alpha]_D + 44$ (c, 1 in H_2O).

Benzyl glycoside, 2,3-anhydro: Benzyl 2,3-anhydro-4-amino-4-deoxy- α -D-xylopyranoside

$C_{12}H_{15}NO_3$ M 221.2 Cryst. Mp 48-49°. $[\alpha]_D^{20} + 91$ ($CHCl_3$).

α -D-Furanose-form

1,2-O-Isopropylidene, N-Ac: [91876-94-7].

$C_{10}H_{17}NO_5$ M 231.2 Oil. $[\alpha]_D^{22} - 92$ (c, 0.3 in $CHCl_3$).

1,2-O-Isopropylidene, 5-benzoyl, N-Ac:

[91876-95-8].
 $C_{17}H_{21}NO_6$ M 335.3 Mp 135-137°. $[\alpha]_D^{22} - 2$ (c, 0.4 in $CHCl_3$).

1,2:3,5-Di-O-isopropylidene, N-benzoyl:

[91876-90-3].
 $C_{18}H_{23}NO_5$ M 333.3 Cryst. Mp 106-110°. $[\alpha]_D^{22} - 22$ (c, 1.1 in $CHCl_3$).

β -L-Pyranose-form

Benzyl glycoside, 2,3-anhydro: Benzyl 2,3-anhydro-4-amino-4-deoxy- β -L-xylopyranoside

$C_{12}H_{15}NO_3$ M 221.2 Mp 37-38°. $[\alpha]_D^{20} + 105$ ($CHCl_3$).

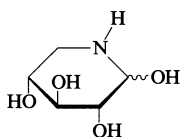
Overend, W.G. *et al*, *Chem. Ind. (London)*, 1963, 1840 (*Me* α -D-pyr)

Malik, A. *et al*, *Chem. Comm.*, 1984, 1530 (*benzyl gly, pmr*)

Coetzee, I. *et al*, *S. Afr. J. Chem.*, 1984, 37, 11 (*D*-derivs, α -D-fur derivs, pmr, ms)

5-Amino-5-deoxyxylose

A-1-00111



D-Pyranose-form

$C_5H_{11}NO_4$ M 149.1

D-form

5N-Ac, benzylphenylhydrazone: Cryst. ($MeOH/Et_2O$). Mp 132-133°. $[\alpha]_D^{23} 0$ (c, 3.56 in $MeOH$).

D-Pyranose-form

N-Ac:

$C_7H_{13}NO_5$ M 191.1 Mp 163-164° (153-154°). $[\alpha]_D - 21.8$ (c, 2.69 in H_2O), $[\alpha]_D - 11.3$ ($MeOH$).

D-Furanose-form

N-Ac: Amorph. solid. $[\alpha]_D + 13.2$ (c, 1.36 in $MeOH$), $[\alpha]_D^{23} + 30$ (c, 0.6 in H_2O).

1,2,3,5N-Tetra-Ac:

$C_{13}H_{19}NO_8$ M 317.2 $[\alpha]_D^{20} + 94$ (c, 1.4 in $MeOH$).

α -D-Furanose-form

1,2-O-Isopropylidene: [4613-58-5].

$C_8H_{15}NO_4$ M 189.2 Mp 100-102°. $[\alpha]_D^{17} - 12$ (c, 2.6 in $EtOH$).

1,2-O-Isopropylidene, 3-benzyl: [59055-65-1].
 $C_{15}H_{21}NO_4$ M 279.3 Syrup. $[\alpha]_D^{22} - 70$ ($CHCl_3$).

1,2-O-Isopropylidene, N-Ac:

$C_{10}H_{17}NO_5$ M 231.2 Rectangular plates. Mp 111-112°. $[\alpha]_D^{23} + 31$ (c, 2.29 in $MeOH$).

1,2-O-Isopropylidene, 3-Me: [59055-64-0].

$C_9H_{17}NO_4$ M 203.2 Syrup. $[\alpha]_D^{22} - 70$ ($CHCl_3$).

1,2-O-Cyclohexylidene, N-Ac:

$C_{13}H_{21}NO_5$ M 271.3 Mp 125-126°. $[\alpha]_D^{20} + 39.2$ (c, 1.0 in $MeOH$), $[\alpha]_D^{20} + 18.2$ (c, 1.0 in 0.1M HCl).

Akiya, S. *et al*, *Yakugaku Zasshi*, 1956, 76, 1280 (α -D-fur deriv)

Paulsen, H. *et al*, *Annalen*, 1963, 670, 121 (*fur deriv, ir*)

Jones, J.K.N. *et al*, *Can. J. Chem.*, 1963, 41, 636 (*deriv*)

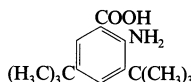
Jones, J.K.N. *et al*, *J.O.C.*, 1963, 28, 2604 (*fur deriv, pyr deriv*)

Tronchet, J.M.J. *et al*, *Carbohydr. Res.*, 1981, 96, 167 (α -D-fur deriv, pmr, ms)

2-Amino-3,5-di-tert-butylbenzoic acid

A-1-00112

2-Amino-3,5-bis(1,1-dimethylethyl)benzoic acid, 9CI. 3,5-Di-tert-butylanthranilic acid [26157-23-3]

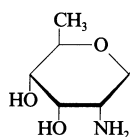


$C_{15}H_{23}NO_2$ M 249.3
Mp 256-258°.

Franck, R.W. *et al*, *J.O.C.*, 1970, 35, 3932.

2-Amino-2,6-dideoxyallose

A-1-00113



D-Pyranose-form

$C_6H_{13}NO_4$ M 163.1
D-form [55385-63-2]

Hydrochloride: [51250-05-6].

Cryst. ($Me_2CO/MeOH$). Mp 135° dec.

$[\alpha]_D^{20} + 4$ (c, 0.9 in H_2O).

N-Ac: [51250-01-2].

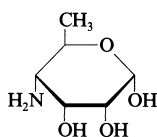
$C_8H_{15}NO_5$ M 205.2 Cryst. ($EtOH$).
Mp 169-170°. $[\alpha]_D^{20} - 88.5$ (c, 0.4 in H_2O).

Brendel, K. *et al*, *Annalen*, 1966, 691, 192 (*N-Ac*)

Perry, M.B. *et al*, *Carbohydr. Res.*, 1973, 31, 131 (*synth*)

4-Amino-4,6-dideoxyallose

A-1-00114



α -D-Pyranose-form

$C_6H_{13}NO_4$ M 163.1

D-form

N,N-Di-Me: [42213-97-8].

$C_9H_{17}NO_4$ M 191.2 Cryst.
($EtOH/Et_2O$) (as hydrochloride). Mp 166-168° (hydrochloride). $[\alpha]_D^{25} + 38.09 \rightarrow + 33.2$ (c, 1.52 in $MeOH$). CAS no. refers to hydrochloride.

α -D-Pyranose-form

Me glycoside: [37699-08-4]. *Methyl 4-amino-4,6-dideoxy- α -D-allopyranoside*
 $C_7H_{15}NO_4$ M 177.2 Gum.

Me glycoside, N-Ac: [42214-19-7].

$C_9H_{17}NO_5$ M 219.2 Cryst.
($MeOH/Et_2O$). Mp 150-152°. $[\alpha]_D^{25} + 235$ (c, 0.75 in $MeOH$).

Me glycoside, 2,3-anhydro, N-Ac: [51255-03-9].

$C_9H_{15}NO_4$ M 201.2 Cryst.
($EtOAc/petrol$). Mp 186-187°. $[\alpha]_D + 209$ (c, 1 in $CHCl_3$).

β -D-Pyranose-form

Me glycoside: [35942-00-8]. *Methyl 4-amino-4,6-dideoxy- β -D-allopyranoside*

$C_7H_{15}NO_4$ M 177.2 Cryst.
($EtOH/Et_2O$). Mp 174-176°. $[\alpha]_D^{26} - 50.6$ (c, 0.75 in $MeOH$). pK_a 7.20 (50% $MeOH$ aq.).

Me glycoside, N-Ac: [35941-99-2].

Cryst. ($EtOH/Et_2O$). Mp 224-225°. $[\alpha]_D^{26} + 3.9$ (c, 0.4 in $MeOH$).

Bryant, C.P., *CA*, 1972, 76, 86058d (*D*-form)

Stevens, C.L. *et al*, *Carbohydr. Res.*, 1972, 21, 166 (*β -Me pyr deriv*)

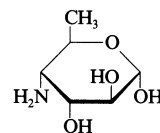
Stevens, C.L. *et al*, *Methods Carbohydr. Chem.*, 1972, 6, 235 (*α -Me pyr deriv*)

Stevens, C.L. *et al*, *J.O.C.*, 1973, 38, 4311 (*α -Me-pyr deriv, β -Me pyr deriv, ir*)

Capek, K. *et al*, *Coll. Czech. Chem. Comm.*, 1987, 52, 2248 (*anhydro, pmr*)

4-Amino-4,6-dideoxyaltrose

A-1-00115



α -D-Pyranose-form

$C_6H_{13}NO_4$ M 163.1

D-form

N,N-Di-Me: [55570-42-8].

$C_8H_{17}NO_4$ M 191.2 Cryst. (2-propanol/ Et_2O) (as hydrochloride). Mp 176-177° (hydrochloride). $[\alpha]_D^{25} + 86.8$ (c, 1 in H_2O). CAS no. refers to hydrochloride.

α -D-Pyranose-form

Me glycoside: [55637-43-9].

$C_7H_{15}NO_4$ M 177.2 Cryst.
(propanol/ Et_2O). Mp 116-117°. $[\alpha]_D^{24} + 128.5$ (c, 0.85 in $MeOH$).

Me glycoside, N-Ac: [51255-06-2].

$C_9H_{17}NO_5$ M 219.2 Cryst. (2-propanol/ Et_2O). Mp 151-153°. $[\alpha]_D^{22} + 198.3$ (c, 1 in $MeOH$).

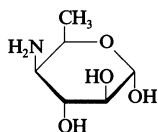
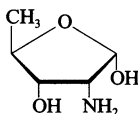
Me glycoside, 2,3,4N-tri-Ac: [51269-16-0].

$C_{13}H_{21}NO_7$ M 303.3 Cryst. (2-propanol/pentane). Mp 168-169°. $[\alpha]_D^{24} + 129.2$ (c, 1 in $CHCl_3$).

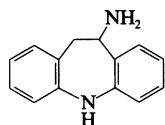
Me glycoside, N,N-di-Me: [55570-40-6].

$C_9H_{19}NO_4$ M 205.2 Cryst.
($Et_2O/petrol$). Mp 110-112°. pK_a 7.52 (50% $EtOH$ aq.).

Stevens, C.L. *et al*, *J.O.C.*, 1975, 40, 2471 (*D*-deriv, α -Me pyr derivs, pmr)

4-Amino-4,6-dideoxyidose **A-1-00116**C₆H₁₃NO₄ M 163.1**α-D-Pyranose-form***Me glycoside*: [55637-42-8].C₇H₁₅NO₄ M 177.2 Cryst.
(EtOH/Et₂O/pentane). Mp 118-119°. [α]_D²⁴
+ 82.2 (c, 0.6 in MeOH). pK_a 7.9 (50%
MeOH aq.).*Me glycoside, N-Ac*: [55570-18-8].C₉H₁₇NO₅ M 219.2 Cryst.
(CHCl₃/pentane). Mp 131-133°. [α]_D²⁶
+ 155.8 (c, 1 in EtOH).*Me glycoside, 2,3,4N-tri-Ac*: [55570-19-9].C₁₃H₂₁NO₇ M 303.3 Cryst.
(Me₂CO/pentane). Mp 97-98°. [α]_D²⁶ + 65.2
(c, 0.9 in MeOH).*Me glycoside, 2,3-dibenzyl, N-Ac*: [55570-17-7].C₂₃H₂₉NO₅ M 399.4 Cryst. (EtOH
aq.). Mp 102-103°. [α]_D²⁶ + 20.8 (c, 1.18 in
EtOH).*Me glycoside, N,N-di-Me*: [55570-21-3].C₉H₁₉NO₄ M 205.2 Cryst.
(Me₂CO/pentane). Mp 86-87°. [α]_D²⁹ + 88.1
(c, 1.2 in CHCl₃). pK_a 7.19 (50% MeOH
aq.).Stevens, C.L. *et al*, *J.O.C.*, 1975, **40**, 2468
(*synth, Me gly derivs, pmr*)**2-Amino-2,5-dideoxyribose** **A-1-00117**C₅H₁₁NO₃ M 133.1**α-D-Furanose-form***Benzyl glycoside, N-benzoyl*: [119447-75-5].C₁₉H₂₁NO₄ M 327.3 Gum.Shiozaki, M. *et al*, *Agric. Biol. Chem.*, 1988, **52**,
2027 (*benzyl gly deriv, ir, pmr*)**10-Amino-10,11-dihydro-5H-dibenz[b,f]azepine** **A-1-00118***10,11-Dihydro-5H-dibenz[b,f]azepin-10-amine, 9CI*

[30761-64-9]

C₁₄H₁₄N₂ M 210.2**(±)-form**Cryst. (hexane/C₆H₆). Mp 123°.*5,10-Di-N-Me*: [21730-16-5]. **Metapramine**,
INN. *10,11-Dihydro-N,5-dimethyl-5H-*
diben[b,f]azepin-10-amine, 9CI. *Rodostene*.
19560 RP. *Timaxel*C₁₆H₁₈N₂ M 238.3 Antidepressant.
Shows antinociceptive activity. Launched
1984. Mp 238-240° (as hydrochloride).

[93841-84-0, 103353-98-6]

South African Pat., 6 800 345, (1968) (*Rhône-*
Poulenc); *CA*, **70**, 57689f (*synth, pharmacol*)
Ger. Pat., 2 159 678, (1972) (*Rhône-Poulenc*);
CA, **77**, 88351p (*synth*)Sommadossi, J.P. *et al*, *J. Chromatogr.*, 1982,
228, 205 (*hplc*)Decouvelaere, B. *et al*, *Therapie*, 1982, **37**, 249
(*metab*)Sumirtapura, Y.C. *et al*, *Eur. J. Clin.**Pharmacol.*, 1983, **25**, 673 (*pharmacol*)Bougerolle, A.M. *et al*, *Eur. J. Drug Metab.**Pharmacokin.*, 1986, **11**, 113

(pharmacokin)

Myers, C. *et al*, *Spectrosc. Lett.*, 1987, **20**, 945

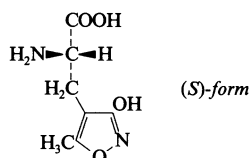
(pmr)

Fialip, J. *et al*, *Life Sci.*, 1992, **50**, 161

(pharmacol, exp)

Martindale, *The Extra Pharmacopoeia*, 30th
edn., Pharmaceutical Press, London, 1993,
264.**α-Amino-2,3-dihydro-5-methyl-3-oxo-4-isoxazolepropanoic acid, 9CI** **A-1-00119***AMPA*

[77521-29-0]

C₇H₁₀N₂O₄ M 186.1Neurotransmitter which is bioisostere of
glutamic acid; used to characterise
neuroreceptors. AMPA-receptor agonist.**(R)-form** [83654-13-1]*D-form*Cryst. (EtOH aq.). Mp >200°. [α]_D²⁷ + 19
(c, 0.18 in H₂O).**(S)-form** [83643-88-3]*L-form*Cryst. (EtOH aq.). Mp >200°. [α]_D²⁸ - 21
(c, 0.19 in H₂O).**(±)-form** [74341-63-2]Cryst. + 1H₂O (H₂O). Mp 252° dec.

(monohydrate).

Hydrobromide: [76010-07-6].

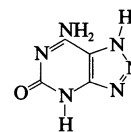
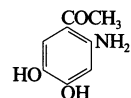
Cryst. (2-propanol). Mp 218-220° dec.

Et ester: [127020-32-0].C₉H₁₄N₂O₄ M 214.2 Cryst. (H₂O).
Mp 185-191° dec.Honoré, T. *et al*, *Acta Chem. Scand., Ser. B*,1980, **34**, 235 (*synth, cryst struct, pmr*)Hansen, J.J. *et al*, *J.C.S. Perkin I*, 1980, 1826

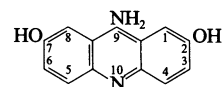
(synth)

Hansen, J.J. *et al*, *J. Med. Chem.*, 1983, **26**, 901
(*resoln, pmr*)Begtrup, M. *et al*, *Synthesis*, 1993, 891 (*synth*,
cmr)**7-Amino-1,4-dihydro-5H-1,2,3-triazolo[4,5-d]pyrimidin-5-one, 9CI** **A-1-00120***7-Amino-1H-v-triazolo[4,5-d]pyrimidin-5(4H)-*
one, 8CI. *6-Amino-2-oxo-8-azapurine*. *8-*
Azaisoguanine

[4730-46-5]

C₄H₄N₆O M 152.1Several tautomers possible. λ_{max} 277 nm (ε
2330) (pH 2); λ_{max} 250 (6310), 277 nm
(9035) (pH 6.7).*Hydrochloride*: Cryst. (6M HCl). Mp >320°.Cavalieri, L.F. *et al*, *J.A.C.S.*, 1948, **70**, 3875;
1950, **72**, 2587 (*synth, uv*)Blank, H.U. *et al*, *J.O.C.*, 1970, **35**, 1131 (*synth*,
uv)Melgunov, V.I., *J. Chromatogr.*, 1975, **109**, 204
(*detn*)Montgomery, J.A. *et al*, *J. Med. Chem.*, 1983,
26, 1483 (*synth, pmr, cmr, deriv*)**2'-Amino-4',5'-dihydroxyacetophenone** **A-1-00121***4-Acetyl-5-amino-1,2-benzenediol*C₈H₉NO₃ M 167.1*Di-Me ether*: [4101-30-8]. *2'-Amino-4',5'-*
dimethoxyacetophenone. *6-*
*Aminoacetoveratrone*C₁₀H₁₃NO₃ M 195.2 Golden needles
(Et₂O). Mp 106-108°.Simpson, J.C.E., *J.C.S.*, 1946, 95.**9-Amino-2,7-dihydroxyacridine** **A-1-00122***9-Amino-2,7-acridinediol, 9CI*

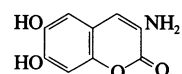
[156644-27-8]

C₁₃H₁₀N₂O₂ M 226.2

Green solid. Mp >300°.

Vichet, A. *et al*, *J.O.C.*, 1994, **59**, 5156 (*synth*,
pmr)**3-Amino-6,7-dihydroxy-2H-1-benzopyran-2-one, 9CI** **A-1-00123***3-Amino-6,7-dihydroxycoumarin*

[22065-08-3]

C₉H₇NO₄ M 193.1

Shows hypotensive props. Mp 258-260°.

N-Formyl: [150624-46-7]. *3-(Formylamino)-**6,7-dihydroxycoumarin*. **Pseudoverdin**C₁₀H₇NO₅ M 221.1 Prod. by
Pseudomonas aeruginosa. Chromophore.

Di-Me ether: [150358-93-3]. 3-Amino-6,7-dimethoxy-2H-1-benzopyran-2-one. 3-Amino-6,7-dimethoxycoumarin
C₁₁H₁₁NO₄ M 221.2 Cryst. (EtOH aq.). Mp 170°.

Di-Me ether, N-formyl: [150358-91-1].
C₁₂H₁₁NO₅ M 249.2 Mp 246°.

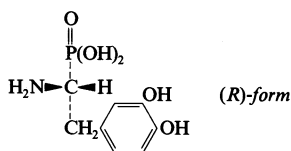
Di-Me ether, N-Ac: [150358-92-2]. 3-(Acetylamino)-6,7-dimethoxycoumarin
C₁₃H₁₃NO₅ M 263.2 Cryst. (EtOH aq.). Mp 248°.

Fr. Pat., 1 523 317, (1968); *CA*, **72**, 31615v (synth)

Longerich, I. *et al*, *Z. Naturforsch.*, **C**, 1993, **48**, 425 (isol, synth, derivs)

[1-Amino-2-(3,4-dihydroxyphenyl)ethyl] phosphonic acid, 9CI

[130848-98-5]



C₈H₁₂NO₅P M 233.1

(*R*)-form [107439-34-9]

Phosphorus analogue of L-DOPA (see 2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid, A-0-01830). Mp 254-255° dec. [α]_D²⁰ -53 (c, 1 in 5M HCl) (100% op).

Salt with dibenzoyl(-)-tartaric acid: Solid. Mp 164-165°. [α]_D²⁰ -26 (c, 0.5 in MeOH).

(*S*)-form [107439-33-8]

Solid. Mp 240-250° dec. [α]_D²⁰ +41 (c, 1 in 5M HCl) (80% op).

Salt with dibenzoyl(+)-tartaric acid: Solid. Mp 173-174°. [α]_D²⁰ -48 (c, 0.5 in MeOH).

3,4-*Di-Me ether*; *di-Et ester*: [104639-83-0].
Liq. Bp_{0.1} 200°. [α]_D²⁰ +12.10 (c, 2.15 in CHCl₃).

(±)-form [54627-43-9]

Solid. Mp 196°, Mp 265-266°.

3,4-*Di-Me ether*: [121245-51-0]. [*l*-Amino-(3,4-dimethoxyphenyl)ethyl]phosphonic acid
C₁₀H₁₆NO₅P M 261.2 Plant growth regulator. Solid. Mp 259-260° dec.

3,4-*Di-Me ether*; *di-Et ester*: [107395-18-6].
Diethyl [l-amino-(3,4-dimethoxyphenyl)ethyl]phosphonate

C₁₄H₂₄NO₅P M 317.3 Solid (as oxalate salt). Mp 126-127° (oxalate salt).

[104130-97-4, 107395-12-0, 107395-19-7, 107395-20-0, 107439-36-1]

Schöllkopf, U. *et al*, *Annalen*, 1987, **45** (*ester, ir, ms, pmr*)

Lejczak, B. *et al*, *Biochem. J.*, 1987, **242**, 81 (*synth, derivs, resoln, pmr, props*)

Kafarski, P. *et al*, *Pestic. Sci.*, 1989, **25**, 137 (*use*)

Maier, L., *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1990, **53**, 43 (*derivs, synth, pmr*)

Amino(dimethoxyphosphinyl) acetic acid A-1-00125

C-(Dimethoxyphosphinyl)glycine

(MeO)₂P(O)CH(NH₂)COOH

C₄H₁₀NO₅P M 183.1

(±)-form

Me ester: [100945-13-9]. *Trimethyl aminophosphonoacetate*
C₅H₁₂NO₅P M 197.1 Cryst. (MeOH).
Mp 142-143°.

N-Formyl, Me ester:
C₆H₁₂NO₆P M 225.1 Oil.

N-Ac, Me ester:
C₇H₁₄NO₆P M 239.1 Cryst.
(EtOAc/pentane). Mp 88-89°.

N-Chloroacetyl, Me ester:
C₇H₁₃ClNO₆P M 273.6 Cryst.
(EtOAc). Mp 105°.

N-tert-Butoxycarbonyl:
C₉H₁₈NO₇P M 283.2 Solid. Mp 154-155°.

N-tert-Butoxycarbonyl, Me ester:
C₁₀H₂₀NO₇P M 297.2 Cryst.
(Et₂O/pentane). Mp 47-48°.

N-Benzoyloxycarbonyl, Me ester:
C₁₃H₁₈NO₇P M 331.2 Solid. Mp 80°.

Schmidt, U. *et al*, *Synthesis*, 1984, **53** (*synth, pmr*)

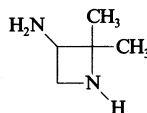
Horenstein, B.A. *et al*, *J.A.C.S.*, 1989, **111**, 6242 (*derivs, ms, ir, pmr*)

Daumas, M. *et al*, *Synth. Commun.*, 1990, **20**, 3395 (*synth, ms, pmr*)

Huang, N.Z. *et al*, *Tetrahedron*, 1990, **46**, 8067 (*pmr, use*)

3-Amino-2,2-dimethylazetidide A-1-00126

2,2-Dimethyl-3-azetidamine, 9CI



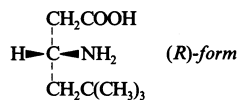
C₅H₁₂N₂ M 100.1

(±)-form

Dihydrochloride: [133891-84-6].
Solid. Mp 168-171°.

Frigola, J. *et al*, *J. Med. Chem.*, 1994, **37**, 4195 (*synth, ir*)

3-Amino-5,5-dimethylhexanoic acid, 9CI



C₈H₁₇NO₂ M 159.2

(*R*)-form

Hydrochloride: [158362-78-8].
Solid. Mp 190-192°. [α]_D²⁵ -20.3 (c, 0.027 in H₂O).

(±)-form

Hydrochloride: [158414-70-1].
Solid. Mp 233-134°.

Et ester: [158362-81-3].
C₁₀H₂₁NO₂ M 187.2 Solid as hydrochloride. Mp 135-136°.

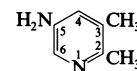
N-Ac: [158362-80-2].
C₁₀H₁₉NO₃ M 201.2 Oil.

[158362-75-5, 158362-79-9]

Saeed, A. *et al*, *J. Med. Chem.*, 1994, **37**, 3247 (*synth, resoln, ir, pmr*)

5-Amino-2,3-dimethylpyridine A-1-00128

5,6-Dimethyl-3-pyridinamine, 9CI
[66093-07-0]



C₇H₁₀N₂ M 122.1
Cryst. (CHCl₃/hexane). Mp 75-76°.

Wai, J.S. *et al*, *J. Med. Chem.*, 1993, **36**, 249 (*synth, pmr*)

6-Amino-2,3-dimethylpyridine A-1-00129

5,6-Dimethyl-2-pyridinamine

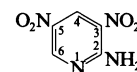
C₇H₁₀N₂ M 122.1
Solid. Mp 41-43°.

Tanga, M.J. *et al*, *J. Het. Chem.*, 1994, **31**, 1641 (*synth, pmr, cmr, uv*)

2-Amino-3,5-dinitropyridine A-1-00130

3,5-Dinitro-2-pyridinamine, 9CI

[3073-30-1]



C₅H₄N₄O₄ M 184.1
Yellow cryst. Mp 191-192°. pK_a 13.8 (as acid).

N-Me: [19404-40-1].
C₆H₆N₄O₄ M 198.1 Mp 163°.

N,N-Di-Me: [14585-26-3].
C₇H₈N₄O₄ M 212.1 Cryst. (EtOH).
Mp 119°.

N,N-Di-Et:
C₉H₁₂N₄O₄ M 240.2 Mp 59°.

N-Ph: [18617-42-0].
C₁₁H₈N₄O₄ M 260.2 Mp 149°.

Harris, M.G. *et al*, *Can. J. Chem.*, 1977, **55**, 3800 (*synth, uv*)

de Bie, D.A. *et al*, *J.O.C.*, 1985, **50**, 484 (*synth, pmr, cmr*)

Wóźniak, M. *et al*, *Annalen*, 1993, **7** (*synth, pmr*)

2-Amino-4,5-dinitropyridine A-1-00131

4,5-Dinitro-2-pyridinamine

[4487-53-0]

C₅H₄N₄O₄ M 184.1
Cryst. (Py aq.). Mp 217° dec.

Talik, T. *et al*, *Proc. Int. Symp. Nitro Compds.*, 1963, **81**; *CA*, **64**, 2046f (*synth*)

4-Amino-3,5-dinitropyridine A-1-00132

3,5-Dinitro-4-pyridinamine, 9CI

[31793-29-0]

C₅H₄N₄O₄ M 184.1

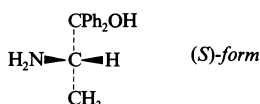
l-Oxide: [132683-65-9].
C₅H₄N₄O₅ M 200.1 Fine yellow
cryst. (AcOH). Mp 210° dec.

Harris, M.G. *et al*, *Can. J. Chem.*, 1977, **55**, 3800 (*synth, uv*)

Wóźniak, M. *et al*, *Annalen*, 1993, **7** (*pmr*)
Ritter, H. *et al*, *J. Het. Chem.*, 1995, **32**, 585 (*oxide*)

2-Amino-1,1-diphenyl-1-propanol

A-1-00133

C₁₅H₁₇NO M 227.3**(S)-form**Powder or needles (EtOH aq.). Mp 101.5–102.5°. [α]_D²⁰ –85.9 (c, 2.77 in CHCl₃).**(±)-form**

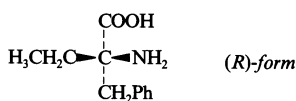
Powder. Mp 94–98°.

McKenzie, A. *et al.*, *J.C.S.*, 1925, 283; 1926, 779(synth) Itsumo, S. *et al.*, *J.C.S. Perkin 1*, 1985, 2039(synth) Weber, E. *et al.*, *J.C.S. Perkin 2*, 1994, 1455

(synth)

2-Amino-2-ethyl-3-phenylpropanoic acid

A-1-00134

α-Ethylphenylalanine, 9CIC₁₁H₁₅NO₂ M 193.2**(R)-form** [132616-90-1]Mp >250°. [α]_D +25.4 (c, 1.0 in H₂O).**(S)-form** [100665-68-7]Powder. [α]_D –26.9 (c, 2.1 in H₂O).

N-Ac: [65484-34-6].

C₁₃H₁₇NO₃ M 235.2 Mp 223–225°.[α]_D²¹ +19.0 (c, 1.9 in MeOH).Schöllkopf, U. *et al.*, *Angew. Chem.*, 1978, 90,

136 (N-Ac)

Kruizinga, W.H. *et al.*, *J.O.C.*, 1988, 53, 1826

(resoln)

U.S. Pat., 5 153 358, (1992); *CA*, 118, 213538y

(S-form, synth, pmr, cmr)

Studer, A. *et al.*, *Annalen*, 1995, 217 (R-form,

synth, pmr, cmr, ms)

(2-Aminoethyl)phosphinic acid, 9CI

A-1-00135

[85618-16-2]

C₂H₈NO₂P M 109.0

Solid. Mp 255°.

Dingwall, J.G. *et al.*, *Tetrahedron*, 1989, 45, 3785

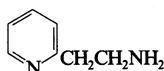
(synth, pmr, P-31 nmr)

2-(2-Aminoethyl)pyridine, 8CI

A-1-00136

2-Pyridineethanamine, 9CI

[2706-56-1]

C₇H₁₀N₂ M 122.1Liq. d 1.02. Bp₁₂ 92–93°. n_D²⁰ 1.5360.*Dihydrochloride*: [3343-39-3].

Cryst. Mp 189°.

Dipicrate: [6628-61-1].

Yellow needles (EtOH). Mp 220°.

Westland, R.D. *et al.*, *J.A.C.S.*, 1952, 74, 6141

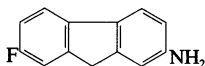
(synth)

Brady, E. *et al.*, *J.O.C.*, 1961, 26, 4757 (synth)**2-Amino-7-fluorofluorene**

A-1-00137

7-Fluoro-9H-fluorene-2-amine, 9CI

[363-16-6]

C₁₃H₁₀FN M 199.2Cryst. (EtOH aq.). Mp 135–136°. pK_a 3.53

(25°, 50% EtOH aq.).

N-Ac: [343-89-5].

C₁₅H₁₂FNO M 241.2 Cryst. Mp 201–

203°.

Miller, J.A. *et al.*, *Cancer Res.*, 1955, 15, 188

(synth)

Miller, J.A. *et al.*, *J. Biol. Chem.*, 1959, 234 (N-

Ac)

Grantham, P.H. *et al.*, *J.O.C.*, 1961, 26, 1008

(pKa)

Broyde, S. *et al.*, *Chem. Biol. Interact.*, 1983, 47,69; *CA*, 100, 204769a (conformn)**2-Amino-3-fluoro-2-**

A-1-00138

(fluoromethyl)acetic acid

3-Fluoro-2-(fluoromethyl)alanine

C₄H₇F₂NO₂ M 139.1

Mp 182–183° dec.

Me ester: [154425-12-4].C₅H₉F₂NO₂ M 153.1 Intracellular

pH indicator. Syrup.

Me ester, hydrochloride: Mp 142–143°.Bergmann, E.D. *et al.*, *J.C.S.*, 1963, 3462 (synth)Davis, F.A. *et al.*, *Synthesis*, 1994, 701 (*Me**ester, synth, pmr, cmr, F-19 nmr*)**3-Aminofuran**

A-1-00139

3-Furanamine, 9CI

[29212-69-9]

C₄H₅NO M 83.0Stable in inert atmosphere or *in vacuo*.

Polymerises rapidly on contact with air.

Prugh, J.D. *et al.*, *J. Med. Chem.*, 1966, 9, 254

(synth)

3-Amino-2-furancarboxaldehyde, 9CI

A-1-00140

3-Amino-2-formylfuran

[56489-00-0]

C₅H₅NO₂ M 111.1Cryst. (Et₂O) or oil. Mp 45–50°.Gronowitz, S. *et al.*, *Acta Chem. Scand., Ser. B*,

1975, 29, 224 (synth, ir, pmr)

5-Amino-2-furancarboxaldehyde

A-1-00141

2-Amino-5-formylfuran

[39116-21-7]

C₅H₅NO₂ M 111.1

Yellow solid. Polym. on heating.

Považanec, F. *et al.*, *Chem. Pap.*, 1988, 42, 677

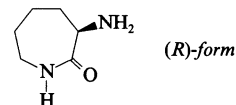
(synth, ir, pmr)

3-Amino-6-hydroxy-2H-azepin-2-one, 9CI

A-1-00142

3-Amino-ε-caprolactam

[671-42-1]

C₆H₁₂N₂O M 128.1**(R)-form** [28957-33-7]*Hydrochloride*: [26081-03-8].Solid (MeOH). [α]_D²⁶ +26.4 (c, 4 in 1M HCl) (>99% ee).**(S)-form** [21568-87-6]Mp 71–72°. [α]_D²⁵ –34.0 (c, 4 in 1M HCl) (100% ee).*Hydrochloride*: [26081-07-2].Mp >270°. [α]_D²⁵ –27.0 (c, 2.98 in 1M HCl).**(±)-form** [17929-90-7]

Cryst. (EtOAc). Mp 68–71°, Mp 147–149°.

Bp_{0.1} 105°.N-Ac: C₈H₁₄N₂O₂ M 170.2 Cryst. (EtOAc).

Mp 160–162°.

N-Benzoyl:

C₁₃H₁₆N₂O₂ M 232.2 Cryst. (EtOH).

Mp 203–211°.

Pellegata, R. *et al.*, *Synthesis*, 1978, 614 (synth,

S-form)

Boyle, W.J. *et al.*, *J.O.C.*, 1979, 44, 4841 (synth)Uchikawa, J. *et al.*, *J. Het. Chem.*, 1994, 31, 877

(N-Ac, N-benzoyl)

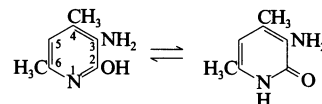
3-Amino-2-hydroxy-4,6-dimethylpyridine

A-1-00143

3-Amino-4,6-dimethyl-2(1H)-pyridinone, 9CI.

3-Amino-4,6-dimethyl-2-pyridinol

[143708-29-6]

C₇H₁₀N₂O M 138.1Needles (H₂O). Mp 205°.Collie, J.N. *et al.*, *J.C.S.*, 1898, 73, 229 (synth)Saari, W.S. *et al.*, *J. Med. Chem.*, 1992, 35, 3792

(synth, pmr)

Gewald, K. *et al.*, *Annalen*, 1995, 787 (synth,

pmr)

3-Amino-6-hydroxy-2,4-dimethylpyridine

A-1-00144

5-Amino-4,6-dimethyl-2(1H)-pyridinone, 9CI.

5-Amino-4,6-dimethyl-2-pyridinol

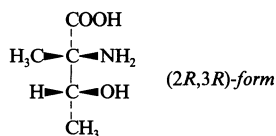
[39112-88-4]

C₇H₁₀N₂O M 138.1Needles (H₂O). Mp 221–222°.Loth, H. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*,

1972, 305, 724 (synth)

2-Amino-3-hydroxy-2-methylbutanoic acid
α-Methylthreonine

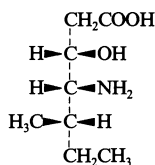
A-1-00145

C₅H₁₁NO₃ M 133.1

Props. given may refer to hydrochlorides (not stated but conc. HCl used in synth.).

(2R,3R)-form*D*-allo-formMp 267-268° dec. [α]_D²⁴ – 13.0 (c, 0.3 in H₂O).*Me ester*:C₆H₁₃NO₃ M 147.1 Mp 159.5-160.5° (as hydrochloride). [α]_D²⁰ – 1.5 (c, 1.1 in H₂O).**(2R,3S)-form***D*-formMp 211-213°. [α]_D²⁵ + 13.0 (c, 0.95 in H₂O).**(2S,3R)-form***L*-formMp 214-219°. [α]_D²⁰ – 14.1 (c, 1.08 in H₂O).**(2S,3S)-form***L*-allo-formMp 265-267° dec. [α]_D²¹ – 12.6 (c, 0.98 in H₂O).Seebach, D. *et al*, *Helv. Chim. Acta*, 1987, 70, 1194 (*synth*, *ir*, *pmr*, *cmr*, *ms*)Moon, S.H. *et al*, *J.A.C.S.*, 1994, 116, 7405 (*synth*)**4-Amino-3-hydroxy-5-methylheptanoic acid**

A-1-00146

C₈H₁₇NO₃ M 175.2**(3S,4R,5S)-form***Isostatine*

Component of Didemnin A.

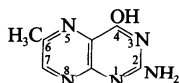
N-tert-Butyloxycarbonyl: Semisolid. [α]_D – 8.7 (c, 2.4 in CHCl₃).N-tert-Butyloxycarbonyl, *Me ester*: Oil. [α]_D – 1.5 (c, 1.17 in CHCl₃).

[114607-51-1, 116261-18-8]

Lloyd-Williams, P. *et al*, *J.C.S. Perkin 1*, 1994, 1969 (*synth*, *bibl*)**2-Amino-4-hydroxy-6-methylpteridine**

A-1-00147

2-Amino-6-methyl-4(1H)-pteridinone, 9CI. 2-Amino-6-methyl-4-pteridinol. 6-Methylpterin [708-75-8]

C₇H₇N₅O M 177.1

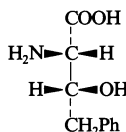
At least two NH tautomers possible. Bright yellow cryst. Mp > 300°.

N⁸-Oxide: [20210-03-1].C₇H₇N₅O₂ M 193.1 Cryst. Mp > 320°.N²-Ac: [19962-30-2].C₉H₉N₅O₂ M 219.2 Cryst. Mp 315-320° dec.

[13165-98-5]

Boon, W.R. *et al*, *J.C.S.*, 1951, 1497 (*synth*)
Taylor, E.C. *et al*, *J.A.C.S.*, 1973, 95, 6407 (*synth*)Waring, P. *et al*, *Aust. J. Chem.*, 1985, 38, 629 (*synth*)Tobias, S. *et al*, *Chem. Ber.*, 1985, 118, 354 (*cmr*)**2-Amino-3-hydroxy-4-phenylbutanoic acid**

A-1-00148

α-Amino-β-hydroxybenzenebutanoic acid, 9CIC₁₀H₁₃NO₃ M 195.2**(2S,3R)-form** [157543-53-8]

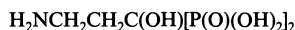
Powder. Mp 135-138°.

Pu, Y. *et al*, *J.O.C.*, 1994, 59, 3642 (*synth*, *ir*, *pmr*, *ms*)**3-Amino-1-hydroxy-1,1-propanediphosphonic acid**

A-1-00149

(3-Amino-1-hydroxypropylidene)bis[phosphonic acid], 9CI. **Pamidronic acid**, BAN, INN.*Aminomux*. *Aredia*. CGP 23339. APD

[40391-99-9]

C₃H₁₁NO₇P₂ M 235.0

Suppresses bone resorption. Used in treatment of Paget's disease and malignant hypercalcaemia. Launched 1989. Mp 237-238°.

► Exp. nephrotoxic effects.

Di-Na salt: [57248-88-1]. **Pamidronate disodium**, USAN
Solid + 5H₂O.

► Exp. fetotoxic and other reprod. effects. SZ6525000.

Frijlink, W.B. *et al*, *Lancet*, 1979, i, 799, 803 (*pharmacol*)Worms, K.H. *et al*, *Z. Anorg. Allg. Chem.*, 1979, 457, 214 (*synth*)Bijvoet, O.L. *et al*, *Int. Congr. Ser. Excerpta Med.*, 1980, 511, 132 (*rev*)Shinoda, H. *et al*, *Calcif. Tissue Int.*, 1983, 35, 87 (*pharmacol*)Wingen, F. *et al*, *Arzneim.-Forsch.*, 1987, 37, 1037 (*pharmacokinet*)*Bisphosphonates and Tumor Osteolysis*, (Eds. Brunner, K.W., *et al*), Springer-Verlag, Berlin, 1989 (*book*)Flesch, G. *et al*, *J. Chromatogr.*, 1989, 489, 446 (*hplc*)Gallacher, S.J. *et al*, *Lancet*, 1989, ii, 42 (*side effects*)Hoggarth, C.R. *et al*, *Anal. Proc. (London)*, 1990, 27, 18 (*hplc*)Cal, J.-C. *et al*, *Toxicology*, 1990, 65, 179 (*pharmacokinet*, *tox*)Fitton, A. *et al*, *Drugs*, 1991, 41, 289 (*rev*)Flesch, G. *et al*, *J. Chromatogr.*, 1991, 568, 261 (*hplc*)Kellihan, M.J. *et al*, *Ann. Pharmacother.*, 1992, 10, 1262, 1310 (*rev*)Graepel, P. *et al*, *Arzneim.-Forsch.*, 1992, 42, 654 (*reprod. tox*)Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, London, 1993, 660.**(1-Amino-2-hydroxypropyl) phosphinic acid**

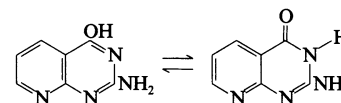
A-1-00150

[95691-17-1]

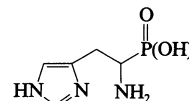
C₃H₁₀NO₃P M 139.0Isostere of threonine (see 2-Amino-3-hydroxybutanoic acid, A-0-02271). Microcryst. V. sol. H₂O. Mp 218-220° dec.Bayliss, E.K. *et al*, *J.C.S. Perkin 1*, 1984, 2845 (*synth*, *ir*, *tlc*, *pmr*, *P-31 nmr*)**2-Amino-4-hydroxypyrido[2,3-d]pyrimidine**

A-1-00151

2-Aminopyrido[2,3-d]pyrimidin-4(3H)-one. 2-Aminopyrido[2,3-d]pyrimidin-4-ol. 5-Deazapterin

C₇H₆N₄O M 162.1*Hydrochloride*: V. pale pink solid.Ivery, M.T.G. *et al*, *J. Het. Chem.*, 1994, 31, 1385 (*synth*, *uv*, *pmr*)**[1-Amino-2-(4-imidazolyl)ethyl]phosphonic acid**

A-1-00152

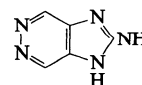
PhosphonohistidineC₅H₁₀N₃O₃P M 191.1**(±)-form** [156721-55-0]Cryst. + 2H₂O (H₂O). Mp 255-256°. pK_{a1} 2.9, pK_{a2} 4.9, pK_{a3} 6.9, pK_{a4} 9.8.*N*-Benzyl:C₁₂H₁₆N₃O₃P M 281.2 Cryst. (H₂O). Mp 258.5-260° dec.*N*-Benzyl, *di-Et ester*:C₁₆H₂₄N₃O₃P M 337.3 Syrup.Merrett, J.H. *et al*, *J.C.S. Perkin 1*, 1988, 61 (*synth*, *pmr*, *props*)Kharmatov, A.B., *Bioorg. Khim.*, 1990, 16, 1290; *Sov. J. Bioorg. Chem. (Engl. Transl.)*, 1990, 16, 733 (*synth*, *pmr*, *tlc*)Wu, Y.L. *et al*, *Chin. Chem. Lett.*, 1991, 2, 95 (*synth*, *pmr*)**2-Aminoimidazo[4,5-d]pyridazine**

A-1-00153

1H-Imidazo[4,5-d]pyridazin-2-amine, 9CI.

Zarzissine

[160568-14-9]

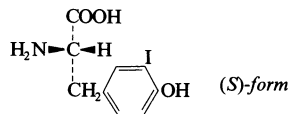
C₅H₅N₅ M 135.1

Alkaloid from the Mediterranean sponge
Anchinoe paupertas. Cytotoxic. Powder.
Subl. 270-271°.

Bouaicha, N. *et al*, *J. Nat. Prod.*, 1994, **57**, 1455
(*isol, uw, ir, pmr, cmr, ms, struct*)

2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid **A-1-00154**

3-Iodotyrosine, 9CI. Monoiodotyrosine.
Iotyrosine



$C_9H_{10}INO_3$ M 307.0
 ^{131}I labelled cpd. is used as a radioactive agent.

(S)-form [70-78-0]

L-form

Occurs in thyroid tissue and human blood serum. Prod. by sponges. Cryst. (H_2O).
Sol. hot H_2O . Mp 202-204°. $[\alpha]_D^{20} -4.4$ (c, 5 in 1M HCl).

(±)-form

Cryst. + $1H_2O$ (H_2O). Mp 200-201° dec.

[16624-40-1, 19254-01-4, 20520-42-7, 60345-92-8, 70277-02-0, 78758-99-3]

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 2, 1189B (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 2, 256C (*ir*)

Harington, C.R. *et al*, *Biochem. J.*, 1944, **38**, 320 (*synth*)

Pitt-Rivers, R. *et al*, *Chem. Ind. (London)*, 1956, 21 (*synth*)

Hillman, G. *et al*, *Hoppe Seyler's Z. Physiol. Chem.*, 1956, **305**, 177 (*synth*)

Wynn, J., *Arch. Biochem. Biophys.*, 1960, **88**, 98.

Bednar, J. *et al*, *Radiochem. Radioanal. Lett.*, 1980, **45**, 377 (*use*)

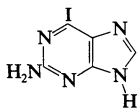
Baron, M.H. *et al*, *J. Chim. Phys. Phys.-Chim. Biol.*, 1983, **80**, 729 (*Raman*)

Okabe, N. *et al*, *Acta Cryst. C*, 1995, **51**, 1700 (*cryst struct*)

2-Amino-6-iodopurine **A-1-00155**

6-Iodo-9H-purin-2-amine, 9CI

[19690-23-4]



$C_5H_4IN_5$ M 261.0

Solid. Mp 240° dec.

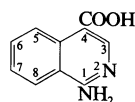
Tetrabutylammonium salt: Cryst. (EtOAc).
Mp 114-116°.

Benzyltriethylammonium salt: Solid. Mp 156-159° (effervescence).

Koda, R.T. *et al*, *J. Pharm. Sci.*, 1968, **57**, 2056 (*synth, uw*)

Bisacchi, G.S. *et al*, *J.O.C.*, 1995, **60**, 2902 (*synth*)

1-Amino-4-isoquinolinecarboxylic acid **A-1-00156**



$C_{10}H_8N_2O_2$ M 188.1
Cryst. (H_2O). Mp 249-250°.

Bergstrom, F.W. *et al*, *J.A.C.S.*, 1940, **62**, 3030 (*synth*)

3-Amino-4-isoquinolinecarboxylic acid **A-1-00157**

$C_{10}H_8N_2O_2$ M 188.1

Et ester:

$C_{12}H_{12}N_2O_2$ M 216.2 Yellow needles.
Mp 116-117°.

Nitrile: [68531-68-0]. 3-Amino-4-cyanoisoquinoline

$C_{10}H_7N_3$ M 169.1 Pale yellow needles. Mp 171-172°.

Kikuchi, K. *et al*, *Chem. Lett.*, 1978, 677 (*nitrile*)

Suzuki, H. *et al*, *Synthesis*, 1995, 763 (*nitrile, Et ester*)

5-Amino-4-isoquinolinecarboxylic acid **A-1-00158**

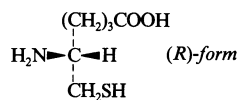
[62781-93-5]

$C_{10}H_8N_2O_2$ M 188.1

Yellow cryst. Mp 232°.

Ger. Pat., 2 631 661, (1977); *CA*, **86**, 189905p (*synth*)

5-Amino-6-mercaptohexanoic acid, 9CI **A-1-00159**



$C_6H_{13}NO_2S$ M 163.2

(R)-form

L-form

Hydrochloride: [162954-86-1].

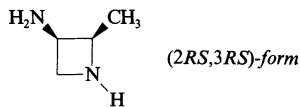
Cryst. Mp 115-116°. $[\alpha]_D^{20} -17.3$ (c, 1.04 in H_2O).

[162954-85-0]

Chauvel, E.N. *et al*, *J. Med. Chem.*, 1994, **37**, 2950 (*synth, pmr*)

3-Amino-2-methylazetidide **A-1-00160**

2-Methyl-3-azetididine, 9CI



$C_4H_{10}N_2$ M 86.1

(2RS,3RS)-form

(±)-*cis-form*

Dihydrochloride: [133891-81-3].

Solid. Mp 181-183°.

(2RS,3SR)-form

(±)-*trans-form*

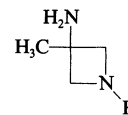
Dihydrochloride: [133224-78-9].

Solid. Mp 165-168°.

Frigola, J. *et al*, *J. Med. Chem.*, 1994, **37**, 4195 (*synth, ir, pmr*)

3-Amino-3-methylazetidide **A-1-00161**

3-Methyl-3-azetididine, 9CI
[147293-71-8]



$C_4H_{10}N_2$ M 86.1

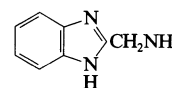
Hydrochloride (1:2): [124668-47-9].
Mp 196-199°.

Frigola, J. *et al*, *J. Med. Chem.*, 1993, **36**, 801 (*synth, ir*)

2-(Aminomethyl)benzimidazole **A-1-00162**

1H-Benzimidazole-2-methanamine

[5805-57-2]



$C_8H_9N_3$ M 147.1

Mp 48-51°.

Monohydrochloride: [7757-21-3].

Mp 227-229°.

Dihydrochloride: [5993-91-9].

Needles (EtOAc). Mp 268-270° dec.

[5993-91-9]

Cescon, L.A. *et al*, *J.O.C.*, 1962, **27**, 581 (*synth, ir*)

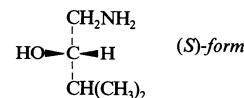
Kanaoka, Y. *et al*, *Chem. Pharm. Bull.*, 1969, **17**, 2381 (*synth, uw*)

Aminabhavi, T.M. *et al*, *Inorg. Chim. Acta*, 1986, **125**, 125.

Reddy, B.S. *et al*, *J. Indian Chem. Soc.*, 1988, **65**, 853 (*synth, ir, pmr, ms*)

1-Amino-3-methyl-2-butanol, 9CI **A-1-00163**

[17687-58-0]



$C_5H_{13}NO$ M 103.1

(S)-form [160168-49-0]

$[\alpha]_D^{20} +17.3$ (c, 1 in MeOH) (97.2% ee).

(±)-form [123934-11-2]

Cryst. Mp 27°. Bp₇₅₄ 174°.

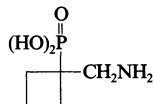
Hydrochloride: Cryst. (EtOH). Mp 110°.

Krasuskii, K.A. *et al*, *CA*, 1930, **24**, 1082 (*synth*)

Kjaer, A. *et al*, *Acta Chem. Scand.*, 1962, **16**, 591 (*synth*)

Koppenhoefer, B. *et al*, *Synthesis*, 1994, 1141 (*S-form, synth, pmr, cmr*)

1-(Aminomethyl) cyclobutanephosphonic acid **A-1-00164**
1-(Aminomethyl)-1-cyclobutylphosphonic acid, 9CI
 [135603-62-2]



$C_5H_{12}NO_3P$ M 165.1
 Solid. Mp > 260°.

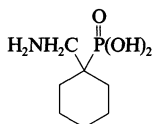
Di-Et ester: [135603-30-4]. *Diethyl [1-(aminomethyl)-1-cyclobutyl]phosphonate*
 $C_9H_{20}NO_3P$ M 221.2 Liq. Bp_{0.5} 86°.

Diisopropyl ester: [135603-31-5]. *Diisopropyl [1-(aminomethyl)-1-cyclobutyl]phosphonate*
 $C_{11}H_{24}NO_3P$ M 249.2 Liq. Bp_{0.5} 98°.

Dibutyl ester: [135603-32-6]. *Dibutyl [1-(aminomethyl)-1-cyclobutyl]phosphonate*
 $C_{13}H_{28}NO_3P$ M 277.3 Liq. Bp_{0.4} 118°.

Nasser, J. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **55**, 137 (*synth, pmr, P-31 nmr*)

1-(Aminomethyl) cyclohexanephosphonic acid **A-1-00165**
1-(Aminomethyl)-1-cyclohexylphosphonic acid, 9CI
 [135603-64-4]



$C_7H_{16}NO_3P$ M 193.1
 Solid. Mp > 260°.

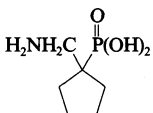
Di-Et ether: [135603-36-0]. *Diethyl [1-(aminomethyl)-1-cyclohexyl]phosphonate*
 $C_{11}H_{24}NO_3P$ M 249.2 Liq. Bp_{0.5} 95°.

Diisopropyl ester: [135603-37-1]. *Diisopropyl [1-(aminomethyl)-1-cyclohexyl]phosphonate*
 $C_{13}H_{28}NO_3P$ M 277.3 Liq. Bp_{0.5} 105°.

Dibutyl ester: [135603-38-2]. *Dibutyl [1-(aminomethyl)-1-cyclohexyl]phosphonate*
 $C_{15}H_{32}NO_3P$ M 305.3 Liq. Bp_{0.2} 140°.

Nasser, J. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **55**, 137 (*synth, pmr, P-31 nmr*)

1-(Aminomethyl) cyclopentanephosphonic acid **A-1-00166**
1-(Aminomethyl)-1-cyclopentylphosphonic acid, 9CI
 [135603-63-3]



$C_6H_{14}NO_3P$ M 179.1
 Solid. Mp > 260°.

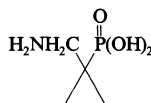
Di-Et ester: [135603-33-7]. *Diethyl [1-(aminomethyl)-1-cyclopentyl]phosphonate*
 $C_{10}H_{22}NO_3P$ M 235.2 Liq. Bp_{0.5} 90°.

Diisopropyl ester: [135603-34-8]. *Diisopropyl [1-(aminomethyl)-1-cyclopentyl]phosphonate*
 $C_{12}H_{26}NO_3P$ M 263.3 Liq. Bp_{0.5} 100°.

Dibutyl ester: [135603-35-9]. *Dibutyl [1-(aminomethyl)-1-cyclopentyl]phosphonate*
 $C_{14}H_{30}NO_3P$ M 291.3 Liq. Bp_{0.5} 132°.

Nasser, J. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **55**, 137 (*synth, pmr, P-31 nmr*)

1-(Aminomethyl) cyclopropanephosphonic acid **A-1-00167**
1-(Aminomethyl)-1-cyclopropylphosphonic acid, 9CI
 [135603-61-1]



$C_4H_{10}NO_3P$ M 151.1
 Solid. Mp > 260°.

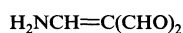
Di-Et ester: [135603-27-9]. *Diethyl [1-(aminomethyl)-1-cyclopropyl]phosphonate*
 $C_8H_{18}NO_3P$ M 207.2 Liq. Bp_{0.5} 83°.

Diisopropyl ester: [135603-28-0]. *Diisopropyl [1-(aminomethyl)-1-cyclopropyl]phosphonate*
 $C_{10}H_{22}NO_3P$ M 235.2 Liq. Bp_{0.5} 96°.

Dibutyl ester: [135603-29-1]. *Dibutyl [1-(aminomethyl)-1-cyclopropyl]phosphonate*
 $C_{12}H_{26}NO_3P$ M 263.3 Liq. Bp_{0.5} 110°.

Nasser, J. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **55**, 137 (*synth, pmr, P-31 nmr*)

(Aminomethylene)propanedial, **A-1-00168**
9CI
2,2-Diformylethanamine. 2-Amino-1,1-ethylenedicarboxaldehyde
 [135304-92-6]



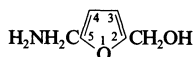
$C_4H_5NO_2$ M 99.0
 Cryst. (C_6H_6). Mp 124-125°.

N-Me: [160651-00-3].
 $C_5H_7NO_2$ M 113.1 Cryst.
 (cyclohexane). Mp 110°.

N,N-Di-Me: [73312-68-2].
 $C_6H_9NO_2$ M 127.1 Mp 41-42°.

Takagi, K. *et al*, *J. Het. Chem.*, 1994, **31**, 973.

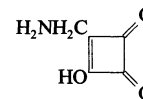
5-(Aminomethyl)-2-furanmethanol, **9CI** **A-1-00169**
2-(Aminomethyl)-5-(hydroxymethyl)furan. 5-(Hydroxymethyl)furfurylamine
 [88910-22-9]



$C_6H_9NO_2$ M 127.1
 Liq.

Hoflinger, M.S. *et al*, *J.O.C.*, 1995, **60**, 1595
 (*synth, ir, pmr, cmr, ms*)

3-(Aminomethyl)-4-hydroxy-3-cyclobutene-1,2-dione, **9CI** **A-1-00170**
 [162331-75-1]



$C_5H_5NO_3$ M 127.0
 Solid. Mp 124-168° dec.

Campbell, E.F. *et al*, *J.O.C.*, 1995, **60**, 1470
 (*synth, pmr, ir*)

1-(Aminomethyl)imidazole **A-1-00171**
1H-Imidazole-1-methanamine



$C_4H_7N_3$ M 97.1

N-Benzoyl: [41951-40-0]. *N-(1H-Imidazol-1-ylmethyl)benzamide*, 9CI
 $C_{11}H_{11}N_3O$ M 201.2 Mp 152-154°.

N,N-Di-Me: [23230-39-9]. *1-(Dimethylaminomethyl)imidazole*
 $C_6H_{11}N_3$ M 125.1 Oil. Bp₂ 100-102°.

Katritzky, A.R. *et al*, *J.O.C.*, 1988, **53**, 5685
 (*N,N-di-Me*)

Pernak, J. *et al*, *Synthesis*, 1994, 1405 (*N-benzoyl*)

2-(Aminomethyl)imidazole **A-1-00172**
1H-Imidazole-2-methanamine, 9CI
 [53332-80-2]

$C_4H_7N_3$ M 97.1

Hydrochloride (1:2): [22600-77-7].
 Cryst. (MeOH/Et₂O or 2-propanol aq.).
 Mp 256-258° (240-242°).

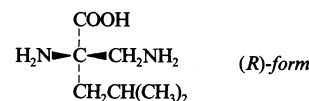
N,N-Di-Me: [54534-78-0].
 $C_6H_{11}N_3$ M 125.1 Cryst. Mp 63-65°.

Gebert, U. *et al*, *Annalen*, 1968, **718**, 249 (*synth, pmr*)

Godefroi, E.F. *et al*, *J.O.C.*, 1978, **43**, 1603
 (*synth*)

Schunack, W. *et al*, *J. Het. Chem.*, 1984, **21**, 753 (*synth*)

2-(Aminomethyl)leucine, **9CI** **A-1-00173**
2-Amino-2-(aminomethyl)-4-methylpentanoic acid, *Aml*



$C_7H_{16}N_2O_2$ M 160.2

(R)-form [170384-28-8]

L-form

Powder. Mp > 220° dec. [α]_D + 32.0 (c, 0.2 in H₂O).

(S)-form [170384-27-7]

D-form

Powder. Mp > 226° dec. [α]_D - 25.2 (c, 0.2 in H₂O).

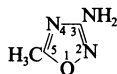
(±)-form [170384-24-4]

DL-form

Powder. Mp 224.5-226.5°.

Obrecht, D. *et al*, *Helv. Chim. Acta*, 1995, **78**, 703 (*synth, ir, pmr, abs config*)

3-Amino-5-methyl-1,2,4-oxadiazole **A-1-00174**
 5-Methyl-1,2,4-oxadiazol-3-amine, 9CI
 [40483-47-4]



C₅H₅N₃O M 99.0
 Cryst. (C₆H₆ or toluene). Mp 117-119°.

N-Me:
 C₄H₇N₃O M 113.1 Mp 75-76°.

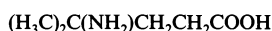
Anderson, G.W. *et al*, *J.A.C.S.*, 1942, **64**, 2902
(synth)
 Buscemi, S. *et al*, *Synthesis*, 1995, 917 *(synth)*

5-Amino-3-methyl-1,2,4-oxadiazole **A-1-00175**

[3663-39-6]
 C₅H₅N₃O M 99.0
 Needles (H₂O). Mp 159-160.5°.

Huffman, K.R. *et al*, *J.O.C.*, 1963, **28**, 1816
(synth)
 Eloy, F. *et al*, *Helv. Chim. Acta*, 1966, **49**, 1430
(synth)
 Cariati, F. *et al*, *Spectrochim. Acta A*, 1980, **36**,
 1029 *(ir)*

4-Amino-4-methylpentanoic acid, 9CI **A-1-00176**
 [3235-46-9]

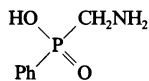


C₆H₁₃NO₂ M 131.1
 Cryst. (MeOH/Et₂O). Mp 140°, Mp 268-
 269°.

Hydrochloride: [62000-69-5].
 Cryst. (MeOH/Et₂O). Mp 178-179°.

Schumann, E.L. *et al*, *J. Med. Pharm. Chem.*,
 1962, **5**, 464 *(synth)*
 Baird, M.S. *et al*, *Synthesis*, 1994, 1471 *(synth)*

(Aminomethyl) phenylphosphinic acid **A-1-00177**
 [15901-08-3]



C₇H₁₀NO₂P M 171.1
 Solid. Mp 286-287°.

[97611-02-4, 145932-38-3, 145932-39-4]
 Popoff, I.C. *et al*, *J.O.C.*, 1963, **28**, 2898 *(synth,*
derivs, ir)

1-Amino-2-methyl-2-propanethiol, 9CI **A-1-00178**
 1-Amino-2-mercapto-2-methylpropane
 [7684-18-6]



C₄H₁₁NS M 105.2
Hydrochloride: [32047-53-3].
 Solid (EtOH/EtOAc). Mp 202-203°.

N-Ac: [89584-09-8].
 C₆H₁₃NOS M 147.2 No phys. props.
 descr.

Crooks, H.M. *et al*, *CA*, 1950, **44**, 9439d *(synth)*
 Roy, B. *et al*, *J.O.C.*, 1994, **59**, 7019 *(synth,*
pmr, ir, cmr)

2-Amino-3-methylpyrazine, **A-1-00179**

8CI
 3-Methylpyrazinamine, 9CI
 [19838-08-5]



C₅H₇N₃ M 109.1
 Needles (hexane/EtOAc). Mp 174° (169-
 171°).

1-Oxide: [103965-75-9].
 C₅H₇N₃O M 125.1 Solid (MeOH).
 Mp 205-207°.

4-Oxide: [103965-76-0].
 C₅H₇N₃O M 125.1 Mp 175-177°.
 Sublimes.

Gainer, H. *et al*, *J.O.C.*, 1961, **26**, 2360 *(synth)*
 Cox, R.H. *et al*, *J. Phys. Chem.*, 1968, **72**, 1642
(pmr)
 Sato, N. *et al*, *J. Het. Chem.*, 1980, **17**, 142;
 1985, **22**, 1145 *(synth, oxides)*
 Sato, N. *et al*, *Synthesis*, 1994, 931 *(synth, pmr,*
ir)

2-Amino-5-methylpyrazine, **A-1-00180**

8CI
 5-Methylpyrazinamine, 9CI
 [5521-58-4]

C₅H₇N₃ M 109.1
 Needles (C₆H₆). Mp 120-121° (116°).

N-Ac:
 C₇H₉N₃O M 151.1 Mp 211-212°.
 Sublimes above 195°.

1-Oxide: [28082-77-1].
 C₅H₇N₃O M 125.1 Solid
 (EtOAc/EtOH). Mp 221-223°.

4-Oxide: [103965-77-1].
 C₅H₇N₃O M 125.1 Needles (EtOAc).
 Mp 213-214°.

Weijlard, J. *et al*, *J.A.C.S.*, 1945, **67**, 802 *(synth)*
 Pitre, D. *et al*, *Chem. Ber.*, 1966, **99**, 364; 1967,
100, 560 *(synth, uv)*
 Sato, N. *et al*, *J. Het. Chem.*, 1980, **17**, 142;
 1985, **22**, 1145; 1993, **30**, 841 *(synth, oxides)*

2-Amino-6-methylpyrazine, **A-1-00181**

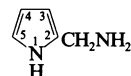
8CI
 6-Methylpyrazinamine, 9CI
 [5521-56-2]

C₅H₇N₃ M 109.1
 Cryst. (C₆H₆ or cyclohexane). Mp 128-129°
 (121-122°).

N-Ac: [5594-16-1].
 C₇H₉N₃O M 151.1 Cryst. (H₂O or
 MeOH). Mp 170°.

Weijlard, J. *et al*, *J.A.C.S.*, 1945, **67**, 802 *(synth)*
 Sharefkin, D.M., *J.O.C.*, 1959, **24**, 345 *(synth,*
N-Ac)
 Pitre, D. *et al*, *Chem. Ber.*, 1966, **99**, 364 *(synth,*
N-Ac)
 Sato, N., *J. Het. Chem.*, 1980, **17**, 142 *(synth)*

2-(Aminomethyl)pyrrole **A-1-00182**
 1H-Pyrrole-2-methanamine, 9CI
 [64608-72-6]



C₅H₈N₂ M 96.1
 Yellow liq. Bp₈ 96°. n_D¹⁸ 1.5533.

N-Me: [26052-05-1]. 2-(Methylaminomethyl)
 pyrrole
 C₆H₁₀N₂ M 110.1 Liq. Bp₁₁ 84-85°.

N,N-Di-Me: [14745-84-7]. 2-
 (Dimethylaminomethyl)pyrrole
 C₇H₁₂N₂ M 124.1 Cryst. (hexane).
 Mp 64°. Bp₁₉ 94°.

1-Ph: [154123-03-2]. 1-Phenyl-1H-pyrrole-2-
 methanamine, 9CI
 C₁₁H₁₂N₂ M 172.2 Oil.

Putochin, N., *Ber.*, 1926, **59**, 1987 *(synth)*
 Herz, W. *et al*, *J.A.C.S.*, 1947, **69**, 1698 *(N-Me,*
NN-di-Me)
 Flament, I. *et al*, *Helv. Chim. Acta*, 1977, **60**,
 1872 *(synth)*
 Korakas, D. *et al*, *Synthesis*, 1994, 164 *(1-Ph)*
 Katritzky, A.R. *et al*, *Synth. Commun.*, 1995,
25, 2631 *(1-Ph)*

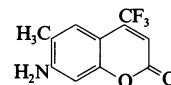
3-(Aminomethyl)pyrrole **A-1-00183**

1H-Pyrrole-3-methanamine
 C₅H₈N₂ M 96.1
 1-Me: [20863-72-3].

C₆H₁₀N₂ M 110.1 Liq. Bp₂₀ 95-97°.
 Paul, R. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 2134.

7-Amino-6-methyl-4-(trifluoromethyl)-2H-1-benzopyran-2-one, 9CI **A-1-00184**

7-Amino-6-methyl-4-(trifluoromethyl)coumarin

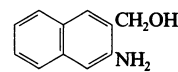


C₁₁H₈F₃NO₂ M 243.1
 N-Et: [55804-70-1]. 7-Ethylamino-6-methyl-4-
 trifluoromethylcoumarin. Coumarin 503
 C₁₃H₁₂F₃NO₂ M 271.2 Laser dye.
 λ_{max} 503 nm.

Reynolds, G.A. *et al*, *Opt. Commun.*, 1975, **13**,
 222 *(use, N-Et)*
 Chinnakali, K. *et al*, *Acta Cryst. C*, 1992, **48**,
 386 *(cryst struct, N-Et)*

3-Amino-2-naphthalenemethanol, **9CI** **A-1-00185**

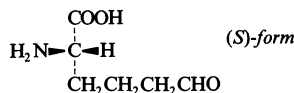
2-Amino-3-hydroxymethylnaphthalene
 [141281-58-5]



C₁₁H₁₁NO M 173.2
 Powder. Mp 181-183°.
 Taffarel, E. *et al*, *J.O.C.*, 1994, **59**, 823 *(synth,*
pmr, cmr)

2-Amino-6-oxohexanoic acid A-1-00186

6-Oxonorleucine, 9CI. 5-Formylnorvaline, 8CI. α -Amino adipic semialdehyde. 2-Amino adipaldehydic acid. Allysine [1962-83-0]



$\text{C}_6\text{H}_{11}\text{NO}_3$ M 145.1

In equil. with the anhydro-form 2,3,4,5-Tetrahydro-2-pyridinecarboxylic acid, T-0-01579. Does not show typical aldehyde reactions.

(S)-form*L-form*

Found in collagen, elastin and heart muscle. Intermed. in metab. and biosynth. of lysine. $[\alpha]_D^{25}$ –5.1 (c, 3 in H_2O) (ca. 90% pure).

(±)-form

Obt. only in soln.

2,4-Dinitrophenylhydrazone: Cryst. (EtOH). Mp 116-117°. Formed only slowly (5 days at 5°).

N-Ac:

$\text{C}_8\text{H}_{13}\text{NO}_4$ M 187.1 Mp 95-96°.

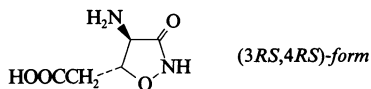
Aspen, A.J. *et al*, *Biochemistry*, 1962, **1**, 600.

Basso, L.V. *et al*, *J. Biol. Chem.*, 1962, **237**, 2239.

Rodwell, V.W., *Methods Enzymol.*, Part B, 1971, **17**, 188 (*synth, bibl*)

4-Amino-3-oxo-5- A-1-00187

isoxazolidineacetic acid, 9CI, 8CI



$\text{C}_5\text{H}_8\text{N}_2\text{O}_4$ M 160.1

(3RS,4RS)-form [23172-64-7]

(±)-trans-form

No phys. props. reported.

(3RS,4SR)-form [23172-63-6]

(±)-cis-form

Cryst. (EtOH aq.). Mp 163° dec.

[2644-50-0, 2644-51-1]

Khomutov, R.M. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1965, **161**, 1227 (*synth, cis, trans*)

Kamiya, T., *Chem. Pharm. Bull.*, 1969, **17**, 895 (*synth, cis*)

(2-Aminoxyethyl)phosphonic A-1-00188

acid [105406-29-9]



$\text{C}_2\text{H}_8\text{NO}_4\text{P}$ M 141.0

Cryst. (EtOH aq.). Mp 202°.

Mono-Me ester: Mono-methyl (2-aminoxyethyl)phosphonate

$\text{C}_3\text{H}_{10}\text{NO}_4\text{P}$ M 155.0 Solid. Mp 179-181° dec.

Di-Et ester: Diethyl (2-aminoxyethyl)phosphonate

$\text{C}_6\text{H}_{16}\text{NO}_4\text{P}$ M 197.1 Oil (as hydrochloride).

[105406-27-7]

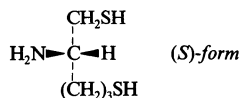
Khomutov, A.R. *et al*, *Bioorg. Khim.*, 1986, **12**, 1662; *Sov. J. Bioorg. Chem. (Engl. Transl.)*, 1986, **12**, 887 (*synth, pmr*)

Khomutov, A.R. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1986, 1202; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1986, 1092.

2-Amino-1,5-pentanedithiol, A-1-00189

9CI

2-Amino-1,5-dimercaptopentane



$\text{C}_5\text{H}_{13}\text{NS}_2$ M 151.2

(S)-form

Hydrochloride: [23356-91-4].

Oil.

Cyclic disulfide: [23356-90-3]. 1,2-Dithiepan-4-amine, 8CI. 4-Amino-1,2-dithiepane

Cryst. (EtOH) (as hydrochloride). Mp 229.5-230°. $[\alpha]_D^{25}$ –35 (c, 0.74 in H_2O).

Herbrandson, H.F. *et al*, *J. Med. Chem.*, 1969, **12**, 620 (*synth*)

Chauoel, E.N. *et al*, *J. Med. Chem.*, 1994, **37**, 2950 (*synth, pmr*)

3-Amino-1,5-pentanedithiol A-1-00190

3-Amino-1,5-dimercaptopentane



$\text{C}_5\text{H}_{13}\text{NS}_2$ M 151.2

Hydrochloride: [21925-82-6].

Cryst. solid (2-propanol). Mp 128-132°.

Cyclic disulfide: [21925-83-7]. 1,2-Dithiepan-5-amine, 8CI. 5-Amino-1,2-dithiepane $\text{C}_5\text{H}_{11}\text{NS}_2$ M 149.2 Cryst. (EtOH) (as hydrochloride). Mp 224-228°.

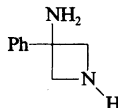
[21925-78-0]

Herbrandson, H.F. *et al*, *J. Med. Chem.*, 1969, **12**, 617 (*synth, ir*)

3-Amino-3-phenylazetidione A-1-00191

3-Phenyl-3-azetidynamine, 9CI

[161838-95-5]



$\text{C}_9\text{H}_{12}\text{N}_2$ M 148.2

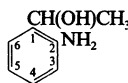
Powder (as hydrochloride). Mp 120° (hydrochloride). CAS no. refers to hydrochloride.

Bacqué, E. *et al*, *Synth. Commun.*, 1995, **25**, 803 (*synth, ir, pmr*)

1-(2-Aminophenyl)ethanol A-1-00192

2-Amino- α -methylbenzenemethanol, 9CI. (2-Aminophenyl)methylcarbinol

[10517-50-7]



$\text{C}_8\text{H}_{11}\text{NO}$ M 137.1

(+)-form

Needles (C_6H_6 /hexane). Mp 49-54°. $[\alpha]_D^{18}$ +4.5 (c, 16.2 in MeOH).

(-)-form

Needles (C_6H_6 /hexane). Mp 54-59°. $[\alpha]_D^{16}$ –4.1 (c, 13.6 in MeOH).

(±)-form [57793-77-8]

Needles (petrol). Mp 48-50°.

Nagai, U. *et al*, *Tetrahedron*, 1965, **21**, 1701 (*synth, ir*)

Fleming, I. *et al*, *J.C.S. Perkin 1*, 1986, 349 (*synth, pmr*)

1-(3-Aminophenyl)ethanol A-1-00193

3-Amino- α -methylbenzenemethanol, 9CI. (3-Aminophenyl)methylcarbinol

[2454-37-7]

$\text{C}_8\text{H}_{11}\text{NO}$ M 137.1

(±)-form [138561-59-8]

Cryst. (toluene or CCl_4); plates (C_6H_6). Mp 68-69°.

N-Me:

$\text{C}_9\text{H}_{13}\text{NO}$ M 151.2 Liq. Bp₂ 140-142°.

N-Et:

$\text{C}_{10}\text{H}_{15}\text{NO}$ M 165.2 Liq. Bp₂ 135-138°.

Marvel, C.S. *et al*, *J.A.C.S.*, 1946, **68**, 185 (*synth, N-Me, N-Et*)

Leonard, N.J. *et al*, *J.O.C.*, 1946, **11**, 405 (*synth*)

Ferrutti, P., *Chim. Ind. (Milan)*, 1965, **47**, 496 (*synth*)

Jones, A.G., *J. Chem. Educ.*, 1989, **66**, 611 (*synth, ir*)

1-(4-Aminophenyl)ethanol A-1-00194

4-Amino- α -methylbenzenemethanol, 9CI. (4-Aminophenyl)methylcarbinol

$\text{C}_8\text{H}_{11}\text{NO}$ M 137.1

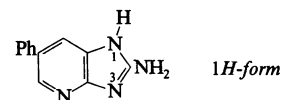
(±)-form [93453-80-6]

Cryst. (H_2O). Mp 92-93°.

N,N-Di-Me: [5338-94-3].

$\text{C}_{10}\text{H}_{15}\text{NO}$ M 165.2 Yellow prisms (petrol). Mp 61°.

Sachs, F. *et al*, *Ber.*, 1905, **38**, 511 (*NN-di-Me*)
Allen, M.J. *et al*, *J.A.C.S.*, 1950, **72**, 115 (*synth*)
Clerici, A. *et al*, *J.O.C.*, 1985, **50**, 76 (*pmr*)
Knauer, B. *et al*, *Annalen*, 1995, 677 (*NN-di-Me*)

2-Amino-6-phenylimidazo[4,5-b]pyridine A-1-00195

$\text{C}_{12}\text{H}_{10}\text{N}_4$ M 210.2

1H-form

1-Me: [105650-23-5]. 1-Methyl-6-phenyl-1H-imidazo[4,5-b]pyridin-2-amine, 9CI. 2-Amino-1-methyl-6-phenyl-1H-imidazo[4,5-b]pyridine. PhIP

$\text{C}_{13}\text{H}_{12}\text{N}_4$ M 224.2 Mutagen isol. from grilled meat and fish. Solid. Mp 327-328°.

► Mutagen.

3H-form

3-Me: 2-Amino-3-methyl-6-phenyl-3H-imidazo[4,5-b]pyridine

$\text{C}_{13}\text{H}_{12}\text{N}_4$ M 224.2 Mp 217°.

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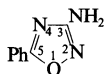
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► Mutagen.

- Knize, M.G. *et al*, *Heterocycles*, 1986, **24**, 1815 (synth, ir, uv, pmr, cmr)
Lindström, S. *et al*, *Acta Chem. Scand.*, 1993, **47**, 805 (bibl)

3-Amino-5-phenyl-1,2,4-oxadiazole **A-1-00196**

5-Phenyl-1,2,4-oxadiazol-3-amine, 9CI
[7788-14-9]



C₈H₇N₃O M 161.1
Needles (H₂O). Mp 168-169°.

N-Me: [115822-11-2].

C₉H₉N₃O M 175.1 Mp 123°.

- Wieland, H. *et al*, *Ber.*, 1907, **40**, 1680 (synth)
Adams, P. *et al*, *J.O.C.*, 1953, **18**, 934 (synth)
Strani, G. *et al*, *Gazz. Chim. Ital.*, 1963, **93**, 482 (synth)
Huffman, K.R. *et al*, *J.O.C.*, 1963, **28**, 1812 (synth)
Eloy, F. *et al*, *Bull. Soc. Chim. Belg.*, 1964, **73**, 518 (synth)
Warburton, W.K., *J.C.S.(C)*, 1966, 1522 (synth, uv, ir, pmr)
Kraft, R. *et al*, *Org. Mass Spectrom.*, 1976, **11**, 304 (ms)

5-Amino-3-phenyl-1,2,4-oxadiazole **A-1-00197**

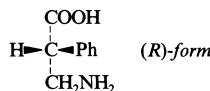
3-Phenyl-1,2,4-oxadiazol-5-amine, 9CI
[3663-37-4]

C₈H₇N₃O M 161.1
Cryst. (H₂O or C₆H₆). Mp 154-155° (147-148°).

- Palazzo, G. *et al*, *Gazz. Chim. Ital.*, 1960, **90**, 1290 (synth)
Huffman, K.R. *et al*, *J.O.C.*, 1963, **28**, 1816 (synth)
Eloy, F. *et al*, *Helv. Chim. Acta*, 1966, **49**, 1430 (synth)
Warburton, W.K., *J.C.S.(C)*, 1966, 1522 (synth, uv, ir, pmr)
Kraft, R. *et al*, *Org. Mass Spectrom.*, 1976, **11**, 304 (ms)

3-Amino-2-phenylpropanoic acid **A-1-00198**

Updated Entry replacing A-0-03480
α-(Aminomethyl)benzeneacetic acid, 9CI. β-Aminohydratropic acid, 8CI
[4370-95-0]



C₉H₁₁NO₂ M 165.1
Abs. config. revised in 1995.

(R)-form [1076-51-3]
Cryst. (EtOH). Mp 224-225°. [α]_D²¹ +95 (c, 0.2 in H₂O).

(±)-form [54422-64-9]
Spar. sol. H₂O, org. solvs. Mp 233°.

Me ester: [99075-25-9].

C₁₀H₁₃NO₂ M 179.2 Cryst. solid (as hydrochloride).

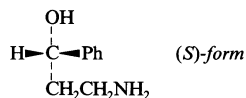
[1076-51-3]

Mckenzie, A. *et al*, *J.C.S.*, 1925, **127**, 85 (synth)

- Garbarino, J.A. *et al*, *J.C.S. Perkin 1*, 1981, 906 (resoln)
Cox, R.J. *et al*, *J.C.S. Perkin 1*, 1991, 2537 (synth, pmr, cmr, ir)
D'Souza, A.A. *et al*, *J.C.S. Perkin 1*, 1995, 1 (cryst struct, abs config)

3-Amino-1-phenyl-1-propanol **A-1-00199**

α-(2-Aminoethyl)benzenemethanol, 9CI. α-(2-Aminoethyl)benzyl alcohol, 8CI. γ-Hydroxy-γ-phenylpropylamine
[5053-63-4]



C₉H₁₃NO M 151.2

(S)-form [130194-42-2]

Cryst. (toluene). Mp 56°. [α]_D²⁵ -43.6 (c, 1 in MeOH).

N-Me: [114133-37-8].

C₁₀H₁₅NO M 165.2 Oil. [α]_D²⁵ -38.2 (c, 1.0 in CHCl₃).

(±)-form [59198-39-9]
Cryst. (C₆H₆). Mp 63.5-64.5°.

N-Benzoyl: [80213-06-5].

C₁₆H₁₇NO₂ M 255.3 Cryst. (EtOH aq.). Mp 85-86°.

N-Me: [153745-64-3].

Oil. Bp₂ 109°.

[42142-52-9]

Davies, R.E. *et al*, *J.A.C.S.*, 1945, **67**, 1466

(synth, N-benzoyl)

English, J. *et al*, *J.A.C.S.*, 1956, **78**, 4057 (synth)

Meisel, S.L. *et al*, *J.A.C.S.*, 1956, **78**, 4782

(synth)

Iwai, I. *et al*, *Chem. Pharm. Bull.*, 1963, **11**, 1049 (N-Me)

Shih, Y.-E. *et al*, *Heterocycles*, 1986, **24**, 1599

(synth)

Kumar, A. *et al*, *Indian J. Chem., Sect. B*, 1992, **31**, 803 (N-Me)

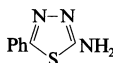
Chênevert, R. *et al*, *Tetrahedron*, 1992, **48**, 6769

(N-Me)

Mitchell, D. *et al*, *Synth. Commun.*, 1995, **25**, 1231 (S-form, synth, ir, pmr, cmr, ms)

2-Amino-5-phenyl-1,3,4-thiadiazole, 8CI **A-1-00200**

5-Phenyl-1,3,4-thiadiazol-2-amine, 9CI
[2002-03-1]



C₈H₇N₃S M 177.2

Plates (EtOH aq.). Mp 224° (211-213°).

N-Ph: [1437-57-6]. N,5-Diphenyl-1,3,4-thiadiazol-2-amine, 9CI

C₁₄H₁₁N₃S M 253.3 Cryst. (EtOH). Mp 200°.

Hoggarth, E., *J.C.S.*, 1949, 1163 (synth)

Testa, E. *et al*, *Gazz. Chim. Ital.*, 1958, **88**, 812

(ir, uv)

Svanholm, U., *Acta Chem. Scand.*, 1972, **26**, 459

(pmr)

Kirkien-Rzeszotarski, A.M. *et al*, *J. Het. Chem.*, 1977, **14**, 401 (ms)

Sharma, S. *et al*, *Indian J. Chem., Sect. B*, 1985, **24**, 1154 (synth)

Isoda, S. *et al*, *Chem. Pharm. Bull.*, 1992, **40**, 357 (synth)

Mourad, A.-F.E. *et al*, *Annalen*, 1994, 1989

(synth, pmr, ir, ms)

3-Amino-2-propenoic acid **A-1-00201**

H₂NCH=CHCOOH

C₃H₃NO₂ M 87.0

(Z)-form

Nitrile: [24532-82-9]. 1-Amino-2-cyanoethylene

C₃H₄N₂ M 68.0 Low melting solid.
Mp 7-8°. Bp_{0.02} 65°.

[19866-98-9]

Sieveking, H.U. *et al*, *Angew. Chem., Int. Ed.*, 1969, **8**, 458 (synth, pmr, ir, nitrile)

Xiang, Y. *et al*, *Helv. Chim. Acta*, 1994, **77**, 2209 (nitrile, synth, uv, ir, pmr, cmr)

(3-Aminopropyl)phenylphosphinic acid **A-1-00202**

[123691-73-6]

PhP(O)(OH)CH₂CH₂CH₂NH₂

C₉H₁₄NO₂P M 199.1

Et ester: [123691-72-5]. Ethyl (3-aminopropyl)phenylphosphinate

C₁₁H₁₈NO₂P M 227.2 Liq. Bp_{0.5} 110°.

Lu, X. *et al*, *Heteroat. Chem.*, 1992, **3**, 551 (Et ester, synth, ir, ms, pmr)

(3-Aminopropyl)phosphinic acid, 9CI **A-1-00203**

[103680-47-3]

H₂NCH₂CH₂CH₂PH(O)OH

C₃H₁₀NO₂P M 123.0

Muscle relaxant, anticonvulsant, analgesic.
Powder. Mp 209-213°.

Dingwall, J.G. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1987, **30**, 571 (rev)

Dingwall, J.G. *et al*, *Tetrahedron*, 1989, **45**, 3787 (synth, pmr, P-31 nmr)

6-Amino-3-pyridinecarboxylic acid, 9CI **A-1-00204**

[59772-58-6]

C₅H₅N₃O₂ M 139.1

Cryst. Mp 168-170°.

Hydrochloride: Cryst. Mp 243-245°.

Me ester: [98140-96-6].

C₆H₇N₃O₂ M 153.1 Cryst. Mp 200-201°.

Et ester:

C₇H₉N₃O₂ M 167.1 Cryst. Mp 168-169°.

Amide: [98021-37-5].

C₅H₆N₄O M 138.1 Mp 264°.

Mitsui, S. *et al*, *Nippon Kagaku Zasshi*, 1957, **78**, 577; *CA*, **53**, 5275f.

Mourad, A.E. *et al*, *J. Het. Chem.*, 1992, **29**, 1583 (synth, ir, pmr)

6-Amino-2-pyridinecarboxylic acid, 9CI **A-1-00205**

6-Aminopicolinic acid, 8CI

[23628-31-1]

C₆H₆N₂O₂ M 138.1

Cryst. (H₂O). Mp 316-318°.

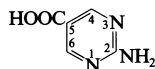
Me ester:

C₇H₈N₂O₂ M 152.1 Solid. Mp 88°.

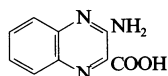
Et ester: $C_8H_{10}N_2O_2$ M 166.1 Solid. Mp 56°.*Amide:* $C_6H_7N_3O$ M 137.1 Cryst. (H₂O). Mp 145°.*N-Ac:* [26893-72-1]. $C_8H_8N_2O_3$ M 180.1 Cryst. Mp 220°.*N-Ac, Me ester:* $C_9H_{10}N_2O_3$ M 194.1 Cryst. (H₂O). Mp 180°.*N-Ac, amide:* $C_8H_9N_3O_2$ M 179.1 Cryst. (EtOH). Mp 223°.Ferrari, G. *et al*, *Farmaco, Ed. Sci.*, 1959, **14**, 594; *CA*, **54**, 6709b (*synth, derivs*)Moser, R.J. *et al*, *Org. Mass Spectrom.*, 1970, **4**, 555 (*ms*)Brown, E.V. *et al*, *J.O.C.*, 1971, **36**, 454 (*synth, N-Ac*)Janecka, A. *et al*, *J. Med. Chem.*, 1994, **37**, 2238 (*synth, pmr*)**2-Amino-5-pyrimidinecarboxylic acid**

A-1-00206

[3167-50-8]

 $C_5H_5N_3O_2$ M 139.1
Needles (H₂O). Mp >300°.*Et ester:* $C_7H_9N_3O_2$ M 167.1 Needles (H₂O). Mp 147-149°.*Nitrile: 2-Amino-5-cyanopyrimidine* $C_5H_4N_4$ M 120.1 Prisms (EtOH). Mp ca. 260° dec.Ballard, E. *et al*, *J.A.C.S.*, 1942, **64**, 794 (*synth, Et ester*)English, J.P. *et al*, *J.A.C.S.*, 1946, **68**, 1039 (*nitrile, synth*)Takamizawa, A. *et al*, *Chem. Pharm. Bull.*, 1964, **12**, 804 (*synth, Et ester*)Takamizawa, A. *et al*, *J.O.C.*, 1964, **29**, 1740 (*nitrile, synth, uv, ir*)Schenone, P. *et al*, *J. Het. Chem.*, 1990, **27**, 295 (*synth, uv, ir, pmr*)**3-Amino-2-quinoxalinecarboxylic acid**

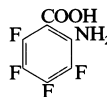
A-1-00207

 $C_9H_7N_3O_2$ M 189.1*Amide:* [67568-30-3]. $C_9H_8N_4O$ M 188.1 Cryst. (MeOH). Mp 265°.*Hydrazide:* [61857-84-9]. $C_9H_9N_5O$ M 203.2 Yellow solid. Mp 201°.*Nitrile:* [36597-16-7]. *2-Amino-3-cyanoquinoxaline* $C_9H_6N_4$ M 170.1 Bright yellow solid (EtOAc). Mp 201°.*Nitrile, 4-oxide:* $C_9H_6N_4O$ M 186.1 Orange solid. Mp 266°.*Nitrile, 1,4-dioxide:* [23190-84-3]. $C_9H_6N_4O_2$ M 202.1 Cryst. (dioxan). Mp 190° (230° dec.).Borah, H.N. *et al*, *Heterocycles*, 1984, **22**, 2323.Monge, A. *et al*, *J. Med. Chem.*, 1993, **36**, 2745.Monge, A. *et al*, *J. Het. Chem.*, 1994, **31**, 1135 (*derivs*)**2-Amino-3,4,5,6-tetrafluorobenzoic acid, 9CI**

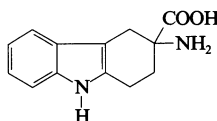
A-1-00208

Tetrafluoroanthranilic acid, 8CI

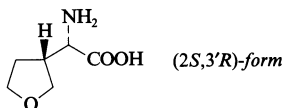
[1765-42-0]

 $C_7H_3F_4NO_2$ M 209.1
Cryst. (H₂O). Mp 141-142°.*Et ester:* [34941-14-5]. $C_9H_7F_4NO_2$ M 237.1 Cryst. (petrol). Mp 65-66°.*Amide:* $C_7H_4F_4N_2O$ M 208.1 Cryst. (H₂O). Mp 140-141°.*Nitrile: 2-Cyano-3,4,5,6-tetrafluoroaniline* $C_7H_2F_4N_2$ M 190.1 Cryst. (C₆H₆). Mp 89-90°. Bp₁₄ 115°.Gething, B. *et al*, *J.C.S.*, 1961, 1574 (*synth, ir*)Belf, L.J. *et al*, *Tetrahedron*, 1967, **23**, 4719.Brooke, G.M. *et al*, *Tetrahedron*, 1971, **27**, 5653.**3-Amino-1,2,3,4-tetrahydro-3-carbazolecarboxylic acid**

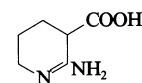
A-1-00209

 $C_{13}H_{14}N_2O_2$ M 230.2 (\pm) -*form*
Mp 300-302° dec.*N-Ac:* $C_{15}H_{16}N_2O_3$ M 272.3 Cryst. Mp 278-281° dec.Britten, A. *et al*, *J.C.S. Perkin 1*, 1974, 1824 (*synth*)Yu, H.T. *et al*, *J.A.C.S.*, 1995, **117**, 34 (*synth, cryst struct*) **α -Aminotetrahydro-3-furanacetic acid, 9CI**

A-1-00210

*2-Amino-2-(tetrahydrofuran-3-yl)acetic acid.**Tetrahydro-3-furanyl glycine* $C_6H_{11}NO_3$ M 145.1 $(2S,3'R)$ -*form* [150331-97-8]
Solid. $[\alpha]_D^{23} -17.7$ (c, 1.29 in H₂O). $(2S,3'S)$ -*form* [150331-99-0]
Solid. $[\alpha]_D^{23} +10.3$ (c, 1.125 in H₂O).Ghosh, A.K. *et al*, *J. Med. Chem.*, 1993, **36**, 2300 (*synth, pmr*)**2-Amino-3,4,5,6-tetrahydro-3-pyridinecarboxylic acid, 9CI**

A-1-00211

 $C_6H_{10}N_2O_2$ M 142.1 (\pm) -*form* [158832-69-0]

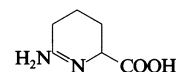
Oil (as hydrochloride).

Me ester: [158832-56-5]. $C_7H_{12}N_2O_2$ M 156.1 Cryst. (MeOH/Et₂O) (as hydrochloride). Mp 138-139°.

[158832-43-0]

Dunbar, P.G. *et al*, *J. Med. Chem.*, 1994, **37**, 2774 (*synth, ir, pmr*)**6-Amino-2,3,4,5-tetrahydro-2-pyridinecarboxylic acid**

A-1-00212

 $C_6H_{10}N_2O_2$ M 142.1 (\pm) -*form* [158832-72-5]

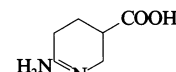
Cryst. (as hydrochloride).

Me ester: [158832-62-3]. $C_7H_{12}N_2O_2$ M 156.1 Cryst. (EtOH) (as hydrochloride). Mp 132-134°.

[158832-49-6]

Dunbar, P.G. *et al*, *J. Med. Chem.*, 1994, **37**, 2774 (*synth, pmr, ir*)**6-Amino-2,3,4,5-tetrahydro-3-pyridinecarboxylic acid**

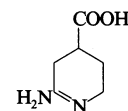
A-1-00213

 $C_6H_{10}N_2O_2$ M 142.1 (\pm) -*form* [158832-71-4]Cryst. (EtOH/Et₂O) (as hydrochloride). Mp 261-263° (hydrochloride).*Me ester:* [158832-58-7]. $C_7H_{12}N_2O_2$ M 156.1 Cryst. (MeOH/Et₂O) (as hydrochloride). Mp 181-183°.*Et ester:* $C_8H_{14}N_2O_2$ M 170.2 Cryst. (EtOH/Et₂O) (as hydrochloride). Mp 175-177°.

[158832-45-2, 158930-48-4]

Dunbar, P.G. *et al*, *J. Med. Chem.*, 1994, **37**, 2774 (*synth, ir, pmr*)**6-Amino-2,3,4,5-tetrahydro-4-pyridinecarboxylic acid, 9CI**

A-1-00214

 $C_6H_{10}N_2O_2$ M 142.1 (\pm) -*form* [158832-70-3]

Cryst. (as hydrochloride).

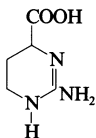
Me ester: [158832-57-6].

$C_7H_{12}N_2O_2$ M 156.1 Cryst.
(MeOH/Et₂O) (as hydrochloride). Mp
180-181°.

[158832-44-1]

Dunbar, P.G. *et al*, *J. Med. Chem.*, 1994, 37,
2774 (*synth, ir, pmr*)

**2-Amino-1,4,5,6-tetrahydro-4-
pyrimidinecarboxylic acid** A-1-00215



$C_5H_9N_3O_2$ M 143.1

(±)-*form* [158930-47-3]

Cryst. (MeOH/Et₂O). Mp 199-200°.

Me ester: [158832-63-4].

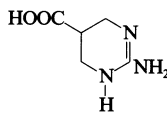
$C_6H_{11}N_3O_2$ M 157.1 Needles
(MeOH/THF) (as hydrochloride). Mp
106-108°.

[158832-50-9]

Dunbar, P.G. *et al*, *J. Med. Chem.*, 1994, 37,
2774 (*synth, ir, pmr*)

**2-Amino-1,4,5,6-tetrahydro-5-
pyrimidinecarboxylic acid** A-1-00216

[158832-73-6]



$C_5H_9N_3O_2$ M 143.1

(±)-*form*

Cryst. (EtOH/Et₂O) (as hydrochloride).
Mp 190-192° (hydrochloride).

Me ester: [158832-64-5].

$C_6H_{11}N_3O_2$ M 157.1 Cryst.
(MeOH/Et₂O) (as hydrochloride). Mp
167-168° (hydrochloride).

Et ester:

$C_7H_{13}N_3O_2$ M 171.1 Cryst.
(EtOH/Et₂O) (as hydrochloride). Mp 154-
155° (hydrochloride).

Isopropyl ester:

$C_8H_{15}N_3O_2$ M 185.2 Pale yellow
cryst. (2-propanol/Et₂O) (as
hydrochloride). Mp 145-146°
(hydrochloride).

[158832-51-0]

Dunbar, P.G. *et al*, *J. Med. Chem.*, 1994, 37,
2774 (*synth, ir, pmr*)

**2-Amino-3-
thiophenecarboxaldehyde,** A-1-00217

9CI

2-Amino-3-formylthiophene

[40341-23-9]



C_5H_5NOS M 127.1

Capperucci, A. *et al*, *J.O.C.*, 1995, 60, 2254
(*synth, ir, pmr, cmr, ms*)

**3-Amino-2-
thiophenecarboxaldehyde,** A-1-00218

9CI

3-Amino-2-formylthiophene

[56489-01-1]

C_5H_5NOS M 127.1

Cryst. (EtOH aq.). Mp 68.0-70.0°.

Gronowitz, S. *et al*, *Acta Chem. Scand., Ser. B*,
1975, 29, 224 (*synth, ir, pmr*)

Ah-Kow, G. *et al*, *Bull. Soc. Chim. Fr.*, 1976,
151 (*synth, pmr*)

**5-Amino-2-
thiophenecarboxaldehyde,** A-1-00219

9CI

2-Amino-5-formylthiophene

[57500-50-2]

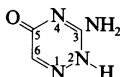
C_5H_5NOS M 127.1

Capperucci, A. *et al*, *J.O.C.*, 1995, 60, 2254
(*synth, ir, pmr, cmr, ms*)

**3-Amino-1,2,4-triazin-5(2H)-
one, 9CI** A-1-00220

3-Amino-5-hydroxy-1,2,4-triazine. 3-Amino-
1,2,4-triazin-5-ol. 6-Azaisocytosine

[1121-90-0]



$C_3H_4N_4O$ M 112.0

Exhibits weak inhibitory activity on nucleic
acid synthesis. Needles. Mp > 300°.

3N-Me:

$C_4H_6N_4O$ M 126.1 Cryst. (H₂O). Mp
321°.

3N,3N-Di-Me:

$C_5H_8N_4O$ M 140.1 Cryst. (EtOH).
Mp 280-283°.

3N-Ph:

$C_9H_8N_4O$ M 188.1 Cryst. (DMF).
Mp 280-283°.

2-β-D-Arabinofuranosyl: [19131-40-9].

$C_8H_{12}N_4O_5$ M 244.2 Solid.

2-β-D-Ribofuranosyl: [15147-69-0]. 6-

Azaisocytidine

$C_8H_{12}N_4O_5$ M 244.2 Cryst. Mp 260-
261° dec. [α]_D²⁵ +81.6 (c, 0.46 in DMSO).

Gut, J. *et al*, *Coll. Czech. Chem. Comm.*, 1966,
31, 2014 (*synth, deriv*)

Zemlicka, J. *et al*, *Coll. Czech. Chem. Comm.*,
1967, 32, 576 (*ribosyl deriv*)

Delia, T.J. *et al*, *J. Carbohydr., Nucleosides,
Nucleotides*, 1977, 4, 349 (*arabinosyl*)

Lovelette, C.A. *et al*, *J. Het. Chem.*, 1979, 16,
585 (*synth, w*)

Beranek, J. *et al*, *Coll. Czech. Chem. Comm.*,
1983, 48, 2088; 1984, 49, 2551 (*pharmacol*)

Jovanoic, M.V., *Heterocycles*, 1986, 24, 951
(*synth, C-13 nmr, N-14 nmr*)

**4-Amino-2-(trifluoromethyl)
pyridine** A-1-00221

2-(Trifluoromethyl)-4-pyridinamine, 9CI

[147149-98-2]

$C_6H_5F_3N_2$ M 162.1

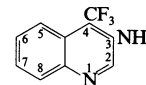
Light orange solid. Mp 56-58°.

Webber, S.E. *et al*, *J. Med. Chem.*, 1993, 36,
733 (*synth, ir, pmr*)

**3-Amino-4-(trifluoromethyl)
quinoline** A-1-00222

4-(Trifluoromethyl)-3-quinolinamine

[155793-46-7]



$C_{10}H_7F_3N_2$ M 212.1

Mp 121-122°.

Kiselyov, A.S. *et al*, *Heterocycles*, 1994, 37, 775.

**5-Amino-8-(trifluoromethyl)
quinoline** A-1-00223

8-(Trifluoromethyl)-5-quinolinamine

$C_{10}H_7F_3N_2$ M 212.1

Mp 154-155°.

Strekowski, L. *et al*, *J. Het. Chem.*, 1994, 31,
1413.

**6-Amino-5-(trifluoromethyl)
quinoline** A-1-00224

5-(Trifluoromethyl)-6-quinolinamine

[155793-47-8]

$C_{10}H_7F_3N_2$ M 212.1

Mp 121-122°.

Kiselyov, A.S. *et al*, *Heterocycles*, 1994, 37, 775.

**8-Amino-5-(trifluoromethyl)
quinoline** A-1-00225

5-(Trifluoromethyl)-8-quinolinamine

$C_{10}H_7F_3N_2$ M 212.1

Mp 83-84°.

Strekowski, L. *et al*, *J. Het. Chem.*, 1994, 31,
1413 (*synth, pmr, F-19 nmr*)

**8-Amino-7-(trifluoromethyl)
quinoline** A-1-00226

7-(Trifluoromethyl)-8-quinolinamine

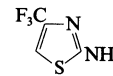
$C_{10}H_7F_3N_2$ M 212.1

Oil.

Strekowski, L. *et al*, *J. Het. Chem.*, 1994, 31,
1413 (*synth, pmr, F-19 nmr*)

**2-Amino-4-(trifluoromethyl)
thiazole** A-1-00227

[349-49-5]



$C_4H_3F_3N_2S$ M 168.1

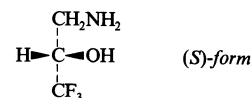
Cryst. (hexane). Mp 68-69.5° (66-68°). Bp₉
110-114°.

Dickey, J.B. *et al*, *J.O.C.*, 1955, 20, 499 (*synth*)
Tanaka, K. *et al*, *J. Het. Chem.*, 1991, 28, 907
(*synth, pmr*)

**3-Amino-1,1,1-trifluoro-2-
propanol, 9CI** A-1-00228

2-Hydroxy-3,3,3-trifluoropropylamine

[431-38-9]



$C_3H_6F_3NO$ M 129.0
(S)-form [160706-71-8]
 Solid. Mp 120-121°. $[\alpha]_D^{23}$ –19.54 (c, 1.3 in MeOH) ($\geq 99\%$ ee).

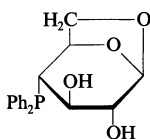
N,N-Di-Et: [160595-63-1].
 $C_7H_{14}F_3NO$ M 185.1 Liq. Bp₄₀ 100° (Kugelrohr). $[\alpha]_D^{22}$ –29.79 (c, 1.4 in MeOH) (96% ee).

(±)-form

Hydrochloride: Cryst. Mp 147-148°.

Jones, R.G., *J.A.C.S.*, 1948, **70**, 143 (*synth*)
 Ramachandran, P.V. *et al*, *J.O.C.*, 1995, **60**, 41 (*synth*, *ir*, *pmr*, *cmr*, *F-19 nmr*)

1,6-Anhydro-4-deoxy-4-(diphenylphosphino)glucopyranose **A-1-00229**



$C_{18}H_{19}O_4P$ M 330.3

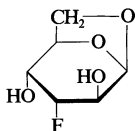
β -D-form

2-(4-Methylbenzenesulfonyl), P-oxide:
 [136632-36-5].

$C_{25}H_{25}O_5PS$ M 500.5 Needles (CHCl₃ or CHCl₃/Et₂O). Mp 165-168°. $[\alpha]_D^{25}$ –41 (c, 0.1 in CHCl₃).

Li, C. *et al*, *Carbohydr. Res.*, 1991, **216**, 149 (*synth*, *uv*, *ir*, *ms*)

1,6-Anhydro-3-deoxy-3-fluoroaltropyranose **A-1-00230**



$C_6H_9FO_4$ M 164.1

D-form [38711-36-3]

Cryst. (Me₂CO/Et₂O). Mp 132-134°. $[\alpha]_D$ –194 (c, 0.18 in H₂O).

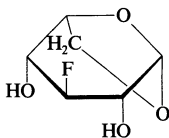
4-Benzyl: [23094-76-0].

$C_{13}H_{15}FO_4$ M 254.2 Cryst. Mp 102-103°. $[\alpha]_D$ –95 (c, 0.39 in CHCl₃).

Pacak, J. *et al*, *Chem. Comm.*, 1969, 77 (*deriv*)

Pacak, J. *et al*, *Coll. Czech. Chem. Comm.*, 1972, **37**, 2589 (*deriv*, *pmr*, *F-19 nmr*)

1,6-Anhydro-3-deoxy-3-fluoroidopyranose **A-1-00231**



$C_6H_9FO_4$ M 164.1

L-form [39809-12-6]

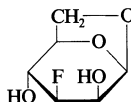
Cryst. Mp 106-109°. $[\alpha]_D^{26}$ +106 (Me₂CO).

Di-Ac: [39809-13-7].

$C_{10}H_{13}FO_6$ M 248.2 Cryst. (Et₂O/petrol). Mp 83-84°. $[\alpha]_D$ +80.5 (CHCl₃).

Foster, A.B. *et al*, *Carbohydr. Res.*, 1972, **25**, 217 (*synth*, *pmr*, *F-19 nmr*)

1,6-Anhydro-3-deoxy-3-fluoromannopyranose **A-1-00232**



$C_6H_9FO_4$ M 164.1

D-form [88142-85-2]

Cryst. (MeOH). Mp 158-160° (sinters at 110-134°). $[\alpha]_D$ –118 (c, 0.69 in H₂O).

Di-Ac: [88142-86-3].

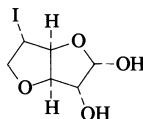
$C_{10}H_{13}FO_6$ M 248.2 Syrup. Bp_{0.15} 185° (bath). $[\alpha]_D$ –106 (c, 0.66 in CHCl₃).

Dibenzoyl: [88142-87-4].

$C_{20}H_{17}FO_6$ M 372.3 Cryst. (EtOH/H₂O). Mp 141-142°. $[\alpha]_D$ –186 (c, 0.5 in CHCl₃).

Cerny, M. *et al*, *Coll. Czech. Chem. Comm.*, 1983, **48**, 2693 (D-form, di-Ac, dibenzoyl)

3,6-Anhydro-5-deoxy-5-iodoidofuranose **A-1-00233**



$C_6H_9IO_4$ M 272.0

β -L-form

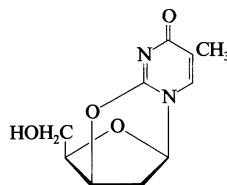
1,2-O-Isopropylidene: [35810-91-4].

$C_9H_{13}IO_4$ M 312.1 Cryst. Mp 67-68°. $[\alpha]_D^{20}$ +64.8 (c, 0.97 in CHCl₃).

Dax, K. *et al*, *Annalen*, 1981, 1768 (*isopropylidene*, *pmr*)

2,3'-Anhydrothymidine **A-1-00234**

2,3-Dihydro-3-(hydroxymethyl)-8-methyl-2,5-methano-5H,9H-pyrimido[2,1-b][1,5,3]dioxazepin-9-one, 9Cl. O²:3'-Cyclothymidine [15981-92-7]



$C_{10}H_{12}N_2O_4$ M 224.2

Intermed. in synth. of Zidovudine. A-0-04712. Needles (EtOH aq.). Mp 230°.

Michelson, A.M. *et al*, *J.C.S.*, 1955, 816 (*synth*, *uv*)

Rao, T.S. *et al*, *Chem. Comm.*, 1989, 997 (*synth*, *use*)

2,6-Anthracenedisulfonic acid **A-1-00235**

[61736-95-6]

$C_{14}H_{10}O_6S_2$ M 338.3

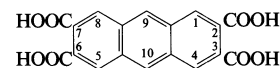
Shiny plates (as K salt). Mp >400° (K salt).

[66601-74-9]

Schüler, G., *Ber.*, 1882, **15**, 1807 (*synth*)
 Acquavella, M.F. *et al*, *J.O.C.*, 1994, **59**, 2894 (*synth*, *pmr*)

2,3,6,7-Anthracenetetracarboxylic acid, 9Cl **A-1-00236**

[159113-89-0]



$C_{18}H_{10}O_8$ M 354.2

Pale yellow amorph. solid. Mp >300° dec.

Tetra-Me ester: [113431-17-7].

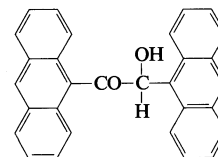
$C_{22}H_{18}O_8$ M 410.3 Cryst. (MeCN). Mp 226-228°.

Morris, J.L. *et al*, *J.O.C.*, 1994, **59**, 6484 (*synth*, *ir*, *pmr*, *cmr*, *ester*, *cryst struct*)

9,9'-Anthroin **A-1-00237**

1,2-Di-9-anthracenyl-2-hydroxyethanone

[123230-60-4]



$C_{30}H_{20}O_2$ M 412.4

(±)-form

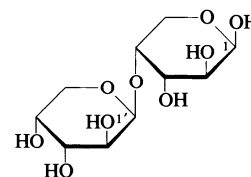
Dimorphic.

Ac:

$C_{32}H_{22}O_3$ M 454.5 Pale yellow cryst. (CH₂Cl₂/MeOH). Mp 238-240°.

Becker, H. *et al*, *Aust. J. Chem.*, 1991, **44**, 1737.

4-O- β -D-Arabinopyranosyl-D-arabinose **A-1-00238**



$C_{10}H_{18}O_9$ M 282.2

2,2',3-Tri-Ac, 1-O-(3,7,11-trimethyl-2,6,10-dodecatrienyl): [143838-79-3].

$C_{31}H_{48}O_{12}$ M 612.7 Isol. from the coral *Simularia* sp. Enhances glucose transport in rat adipocytes. Oil. $[\alpha]_D$ –196 (c, 0.7 in CHCl₃).

Shindo, T. *et al*, *Experientia*, 1992, **48**, 688 (*isol*, *pmr*, *cmr*, *ms*)

Avobenzone, INN, USAN **A-1-00239**

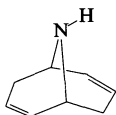
1-[4-(1,1-Dimethylethyl)phenyl]-3-(4-methoxyphenyl)-1,3-propanedione, 9Cl. 1-(p-tert-Butylphenyl)-3-(p-methoxyphenyl)-1,3-propanedione. 4-(1,1-Dimethylethyl)-4'-methoxydibenzoylmethane. Parsol 1789. Parsol A. Clarins. Shade Uvagard [70356-09-1]



$C_{20}H_{22}O_3$ M 310.3
 Screenshot agent. Cryst. (MeOH). Mp 83.5°.
 Component of Photoplex.
Ger. Pat., 2 945 125, (1980) (Givaudan); *CA*, **93**,
 185967g (synth)
 Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*,
 1987, **55**, 27 (polymorphism)
 Ikeda, K. *et al*, *J. Chromatogr.*, 1989, **482**, 240
 (hplc)
 Garmyn, M. *et al*, *J. Invest. Dermatol.*, 1989,
92, 642 (activity)
 Bissett, D.L. *et al*, *Photodermatology*, 1989, **6**,
 228 (activity)
Martindale, The Extra Pharmacopoeia, 30th
 edn., Pharmaceutical Press, London, 1993,
 1234.

9-Azabicyclo[3.3.1]nona-2,6-diene, 9CI

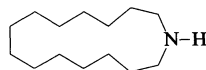
[34668-51-4]



$C_8H_{11}N$ M 121.1
Hydrochloride: [34668-52-5].
 Solid.
N-Formyl: [34668-91-2].
 $C_9H_{11}NO$ M 149.1 Cryst. Mp 55-57°.
 Subl._{0.01} 55°.
N-Benzenesulfonyl: [34668-55-8].
 Cryst. (CH_2Cl_2 /hexane). Mp 162-164°.
N-Me: [34668-47-8].
 $C_9H_{13}N$ M 135.2 Liq.
N-tert-Butyl: [54397-30-7].
 $C_{12}H_{19}N$ M 177.2 Liq.
9-tert-Butyl, hydrochloride: [54397-31-8].
 Solid (diisopropyl ether/EtOH 4:1).
 Ganter, C. *et al*, *Helv. Chim. Acta*, 1971, **54**,
 2069 (synth)
 Cuthbertson, E. *et al*, *J.C.S. Perkin 1*, 1974,
 1893 (deriv, ms, ir, pmr)

Azacyclopentadecane, 9CI, 8CI

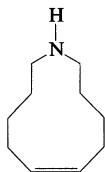
[295-49-8]



$C_{14}H_{29}N$ M 211.3
 Mp 55°. pK_a 9.3.
 Ruzicka, L. *et al*, *Helv. Chim. Acta*, 1949, **32**,
 544 (synth)

Azacyclo-6-undecene, 9CI

A-1-00242



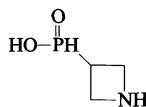
$C_{10}H_{19}N$ M 153.2
 (*Z*)-form [126412-12-2] *Keramaphidin C*
 Isol. from the Okinawan marine sponge
Amphimedon sp. Amorph. solid. Mp 106-
 109°.

Torisawa, Y. *et al*, *Tetrahedron*, 1991, **47**, 8067
 (synth)
 Tsuda, M. *et al*, *Tet. Lett.*, 1994, **35**, 4387 (isol,
 ir, pmr, cmr)

3-Azetidinephosphinic acid

A-1-00243

3-Azetidinylphosphinic acid
 [134150-82-6]

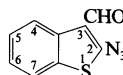


$C_3H_8NO_2P$ M 121.0
 Cryst. Mp 189° dec.
 Diel, P.J. *et al*, *Phosphorus, Sulfur, Silicon*
Relat. Elem., 1991, **56**, 1 (synth, P-31 nmr)

2-Azidobenzo[b]thiophene-3-carboxaldehyde

A-1-00244

2-Azido-3-formylbenzo[b]thiophene



$C_9H_5N_3OS$ M 203.2
 Cryst. Mp 91-94° dec. Unstable in light.
 Chippendale, K.E. *et al*, *J.C.S. Perkin 1*, 1973,
 129 (synth)
 Degl'Innocenti, A. *et al*, *J.C.S. Perkin 1*, 1995,
 2141 (synth)

3-Azidobenzo[b]thiophene-2-carboxaldehyde

A-1-00245

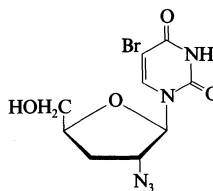
3-Azido-2-formylbenzo[b]thiophene

$C_9H_5N_3OS$ M 203.2
 Cryst. Mp 88-90° dec.
 Chippendale, K.E. *et al*, *J.C.S. Perkin 1*, 1973,
 129 (synth)
 Degl'Innocenti, A. *et al*, *J.C.S. Perkin 1*, 1995,
 2141 (synth)

2'-Azido-5-bromo-2',3'-dideoxyuridine

A-1-00246

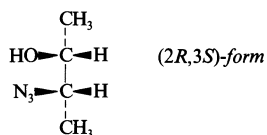
[126543-49-5]



$C_9H_{10}BrN_5O_4$ M 332.1
 Solid. Mp 148-150°.
 Warsaw, J.A. *et al*, *J. Med. Chem.*, 1990, **33**,
 1663 (synth, pmr, ir, w)

3-Azido-2-butanol

A-1-00247



$C_4H_9N_3O$ M 115.1

(2R,3S)-form

Liq. Bp₂₀ 79-80°. $[\alpha]_D^{20} +43.1$ (c, 2.5 in
 heptane).

(±)-form

Liq. Bp₃₁ 83-84°. $n_D^{17.5} 1.4562$. Presumably
 mixt. of diastereoisomers.

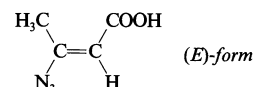
[110716-80-8]

Van der Werf, C.A. *et al*, *J.A.C.S.*, 1954, **76**,
 1231 (synth)

Shustov, G.V. *et al*, *J.A.C.S.*, 1993, **115**, 10267
 (synth, pmr)

3-Azido-2-butenic acid

A-1-00248



$C_4H_5N_3O_2$ M 127.1

(E)-form

cis-form. 3-Aminoisocrotonic acid

Me ester: [81777-19-7].

$C_5H_7N_3O_2$ M 141.1 Oil.

(Z)-form

trans-form. 3-Aminocrotonic acid

Me ester: [116270-29-2].

Yellowish plates. Mp 54-55° (51°). Subl._{0.1}
 40°.

Priebe, H. *et al*, *Acta Chem. Scand.*, Ser. B,

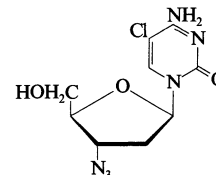
1987, **41**, 640 (*Me ester*)

Palacios, F. *et al*, *Org. Prep. Proced. Int.*, 1995,
27, 171 (*Me ester*)

3'-Azido-5-chloro-2',3'-dideoxycytidine, 9CI

A-1-00249

[127492-31-3]



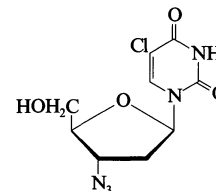
$C_9H_{11}ClN_5O_3$ M 286.6
 Cryst. (MeOH/Et₂O). Mp 173-175° dec.

Van Aerschot, A. *et al*, *J. Med. Chem.*, 1990,
33, 1833 (synth, w, ms, pmr, cmr)

3'-Azido-5-chloro-2',3'-dideoxyuridine, 9CI

A-1-00250

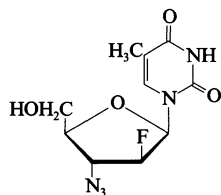
[108441-51-6]



$C_9H_{10}ClN_5O_4$ M 287.6
 Cryst. (EtOAc). Mp 170°.

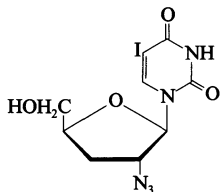
Van Aerschot, A. *et al*, *J. Med. Chem.*, 1990,
33, 1833 (synth, w, ir, ms, pmr, cmr)

1-(3-Azido-2,3-dideoxy-2-fluoro-β-D-arabinofuranosyl) thymine **A-1-00251**
1-(3-Azido-2,3-dideoxy-2-fluoro-β-D-arabinofuranosyl)-5-methyl-2,4-(1H,3H)-pyrimidinedione, 9CI. F-AZT
 [124424-26-6]



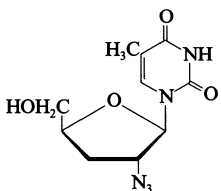
$C_{10}H_{12}FN_5O_4$ M 285.2
 Does not show significant antiviral activity.
 Cryst. (Me₂CO/petrol). Mp 45-50°.
 Watanabe, K.A. *et al*, *J. Med. Chem.*, 1990, 33, 2145 (*synth, ir, pmr*)
 Sterzycki, R.Z. *et al*, *J. Med. Chem.*, 1990, 33, 2150 (*synth, pmr, cmr*)

2'-Azido-2',3'-dideoxy-5-iodouridine **A-1-00252**
 [126543-50-8]



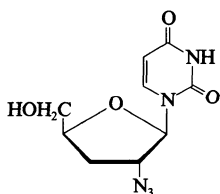
$C_9H_{10}IN_5O_4$ M 379.1
 Solid. Mp 152-154°.
 Warsaw, J.A. *et al*, *J. Med. Chem.*, 1990, 33, 1663 (*synth, ir, pmr, w*)

2'-Azido-2',3'-dideoxy-5-methyluridine **A-1-00253**
 [126543-51-9]



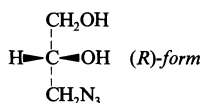
$C_{10}H_{13}N_5O_4$ M 267.2
 Solid. Mp 167-169°. Regioisomer of Zidovudine, A-0-04712.
 Warsaw, J.A. *et al*, *J. Med. Chem.*, 1990, 33, 1663 (*synth, ir, pmr, w*)

2'-Azido-2',3'-dideoxyuridine **A-1-00254**
 [126543-45-1]



$C_9H_{11}N_5O_4$ M 253.2
 Cryst. (EtOH). Mp 167-169°.
 Warsaw, J.A. *et al*, *J. Med. Chem.*, 1990, 33, 1663 (*synth, pmr, ir, w*)

3-Azido-1,2-propanediol, 9CI **A-1-00255**
 [73018-98-1]



$C_3H_7N_3O_2$ M 117.1
(R)-form [131321-84-1]
 $[\alpha]_D^{20} + 2.24$ (c, 0.5 in CHCl₃).
(S)-form [85820-84-4]
 Oil.
(±)-form [121651-55-6]
 Oil. Bp_{0.04} 86°.
 Holý, A., *Coll. Czech. Chem. Comm.*, 1989, 54, 446 (*synth*)
 Ching-Yun, H. *et al*, *Tetrahedron: Asymmetry*, 1990, 1, 219 (*R-form*)
 Martin, S.F. *et al*, *J.O.C.*, 1994, 59, 4821 (*synth, ir, pmr, cmr*)

2-Azidoselenophene **A-1-00256**



$C_4H_3N_3Se$ M 172.0
 Unstable oil.
 Gronowitz, S. *et al*, *J.C.S. Perkin 2*, 1994, 1815.

3-Azidoselenophene **A-1-00257**

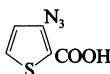
$C_4H_3N_3Se$ M 172.0
 Oil.
 Gronowitz, S. *et al*, *J.C.S. Perkin 2*, 1994, 1815.

2-Azido-3-thiophenecarboxaldehyde **A-1-00258**
2-Azido-3-formylthiophene
 [163079-30-9]



$C_5H_3N_3OS$ M 153.1
 Solid. Mp 80-81° dec. Unstable.
 ▶ Toxic.
 Capperucci, A. *et al*, *J.O.C.*, 1995, 60, 2254 (*synth, pmr, ir, cmr*)

3-Azido-2-thiophenecarboxylic acid **A-1-00259**
 [56488-92-7]

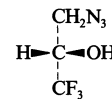


$C_5H_3N_3O_2S$ M 169.1
 Mp 110° dec.
Me ester:
 $C_6H_5N_3O_2S$ M 183.1 Needles (MeOH aq.). Mp 67-68°.
Nitrile: [56488-94-9]. *3-Azido-2-cyanothiophene*

$C_5H_2N_4S$ M 150.1 Cryst. (MeOH). Mp 77.5-79°.

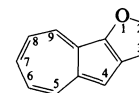
Gronowitz, S. *et al*, *Acta Chem. Scand., Ser. B*, 1975, 29, 224.
 Dyall, L.K. *et al*, *J.C.S. Perkin 2*, 1994, 2115.

1-Azido-3,3,3-trifluoro-2-propanol **A-1-00260**



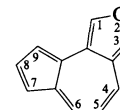
$C_3H_4F_3N_3O$ M 155.0
(S)-form [160595-62-0]
 $[\alpha]_D^{24} + 12.89$ (c, 1.9 in MeOH) (96% ee).
 Ramachandran, P.V. *et al*, *J.O.C.*, 1995, 60, 41 (*synth, ir, pmr, cmr, F-19 nmr*)

Azuleno[1,2-b]furan **A-1-00261**
 [92798-12-4]



$C_{12}H_8O$ M 168.1
 Bluish-green needles. Mp 63-64°.
 Fujimori, K. *et al*, *Chem. Lett.*, 1986, 1021 (*synth, pmr, cmr, w*)
 Yamaguchi, H. *et al*, *Spectrochim. Acta*, 1987, 43, 1377.

Azuleno[4,5-c]furan **A-1-00262**
 [51273-19-9]

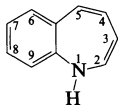


$C_{12}H_8O$ M 168.1
 Not isol.
 Masaru, S. *et al*, *Chem. Comm.*, 1983, 1025.

B

1*H*-1-Benzazepine

[264-54-0]



C₁₀H₉N M 143.1

N-Ac: [76056-09-2].

C₁₂H₁₁NO M 185.2 Oil.

N-Benzoyl: [74422-10-9].

C₁₇H₁₃NO M 247.2 Oil.

N-Et:

C₁₂H₁₃N M 171.2 Oil Bp_{1.7} 89-90°.
n_D²⁰ 1.5481.

N-Et, hydrochloride: Prisms (MeOH). Mp 136-138°.

N-Benzyl: [76056-14-9].

C₁₇H₁₅N M 233.3 Oil.

2,3-Dihydro: [3749-12-0].

C₁₀H₁₁N M 145.2 Waxy solid. Mp 48°.

2,3-Dihydro, N-Ac: [19673-40-6].

C₁₂H₁₃NO M 187.2 Prisms. Mp 66°.

2,3-Dihydro, N-(4-methylbenzenesulfonyl):
Needles. Mp 108° (EtOH or petrol).

2,3,4,5-Tetrahydro: see 2,3,4,5-Tetrahydro-1*H*-1-benzazepine, T-0-00914

Evans, D. *et al*, *J.C.S.*, 1965, 4806 (N-Et)

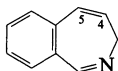
Hannah, E.D. *et al*, *J.C.S.(C)*, 1968, 1280 (dihydro)

Ikeda, M. *et al*, *Tet. Lett.*, 1980, 21, 3403 (N-derivs, *w*, *ms*)

Ikeda, M. *et al*, *J.C.S. Perkin 1*, 1982, 741 (N-derivs, *synth*, *w*, *pmr*)

3*H*-2-Benzazepine, 9*CI*

[264-20-0]



C₁₀H₉N M 143.1

No phys. props. descr.

4,5-Dihydro: [23758-95-4].

C₁₀H₁₁N M 145.2 Liq. Bp_{0.6} 85-90°.

Readily forms a cryst. dimer. A chloroform soln. of the dimer on standing for several days is slowly converted to the monomer.

4,5-Dihydro, picrate: [23758-96-5].

Yellow cryst. Mp 159-160°.

Goldman, I.M. *et al*, *J.A.C.S.*, 1969, 91, 4941 (dihydro deriv)

Gomez, P.V. *et al*, *An. Quim.*, 1974, 70, 614 (dihydro, *synth*, *pmr*)

Corriu, R.J.P. *et al*, *J.O.C.*, 1993, 58, 1443

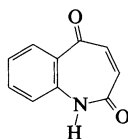
(*synth*, *pmr*, *cmr*, *ir*)

B-1-00001

1*H*-1-Benzazepine-2,5-dione,

9*CI*

[10315-38-5]



C₁₀H₇NO₂ M 173.1

Cryst. Mp 222-223°.

Rickards, R.W. *et al*, *Tet. Lett.*, 1966, 2361

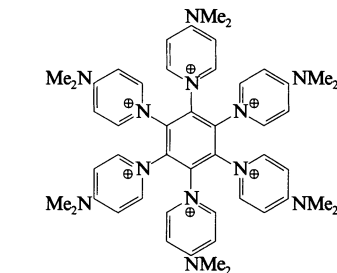
(*synth*, *ir*, *w*, *pmr*)

Kozikowski, A.P. *et al*, *J. Med. Chem.*, 1993, 36, 2908 (*synth*)

1,1',1'',1''',1''''-(1,2,3,4,5,6-Benzehexayl)hexakis[4-(dimethylamino)pyridinium]

(6+), 9*CI*

Hexakis(4-dimethylamino-1-pyridinio)benzene



C₄₈H₆₀N₁₂⁶⁺ M 805.0 (ion)

Hexakis(trifluoromethanesulfonate): [170743-23-4].

C₅₄H₆₀F₁₈N₁₂O₁₈S₆ M 1699.5 Cryst. (H₂O). Stable to boiling water, hydrol. by weak base.

Weiss, R. *et al*, *Angew. Chem., Int. Ed.*, 1995, 34, 1319 (*synth*, *ir*, *pmr*, *cmr*, F-19 nmr, *cryst struct*)

Benzenemethanesulfenothioic acid, 9*CI*

Benzyl hydrodisulfide

[3492-66-8]

PhCH₂SSH

C₇H₈S₂ M 156.2

Liq. d₄²⁰ 1.174. Bp_{0.1} 65-70°. n_D²⁰ 1.625.

Na salt: [120506-35-6].

Solid.

Tsurugi, J. *et al*, *J.O.C.*, 1959, 24, 807 (*synth*)

Kawamura, S. *et al*, *Bull. Chem. Soc. Jpn.*,

1971, 44, 2878 (*pmr*)

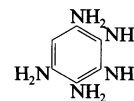
Mieloszynski, J.L. *et al*, *Sulfur Lett.*, 1988, 8, 115 (*synth*)

B-1-00003

Benzenepentamine

Pentaaminobenzene

[608-97-9]



C₆H₁₁N₅ M 153.1

Brown-black solid or dark brown cryst. (phenylhydrazine). Mp 228° dec. (under H₂). Dec. in air, used immediately.

Praefcke, K. *et al*, *Annalen*, 1989, 617 (*synth*, *bibl*)

Benzenesulfonyl thiocyanate B-1-00007

Benzene sulfonothioic acid anhydrosulfide with thiocyanic acid, 9*CI*. Benzenesulfonyl thiocyanic anhydride

[1197-98-4]

PhSO₂SCN

C₇H₅NO₂S₂ M 199.2

Cryst. (petrol). Mp 28.5°. Dec. on storage with evolution of SO₂.

Ger. Pat., 1 219 021, (1966); *CA*, 66, 2368n (*synth*)

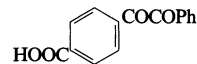
Austad, T., *Acta Chem. Scand., Ser. A*, 1975, 29, 241 (*synth*, *ir*)

Tanaskov, M.M. *et al*, *Zh. Org. Khim.*, 1981, 17, 1800; *J. Org. Chem. USSR (Engl. Transl.)*, 1981, 17, 1609 (*props*)

Benzil-4-carboxylic acid B-1-00008

4-(Oxophenylacetyl)benzoic acid, 9*CI*. p-(Phenylglyoxyloyl)benzoic acid, 8*CI*

[72857-25-1]



C₁₅H₁₀O₄ M 254.2

Cryst. Mp 227-228°.

Me ester: [52380-62-8].

C₁₆H₁₂O₄ M 268.2 Cryst. Mp 65-66°.

Kariyone, T. *et al*, *Yakugaku Zasshi*, 1951, 71, 926 (*synth*)

Van Es, T. *et al*, *J.C.S.*, 1963, 1371 (*synth*)

Benzil-3,3'-dicarboxylic acid B-1-00009

3,3'-(1,2-Dioxoethanediylo)bisbenzoic acid, 9*CI*

[117999-78-7]

C₁₆H₁₀O₆ M 298.2

Kim, J.I. *et al*, *Bull. Korean Chem. Soc.*, 1988, 9, 30 (*synth*, *ir*, *pmr*, *cmr*)

Benzil-4,4'-dicarboxylic acid B-1-00010

4,4'-(1,2-Dioxoethanediylo)bisbenzoic acid, 9*CI*. 4,4'-Oxalylidibenzoic acid, 8*CI*

[1585-67-7]

C₁₆H₁₀O₆ M 298.2

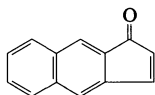
Cryst. Mp 324-325°.

Di-Me ester: [66553-02-4].

C₁₈H₁₄O₆ M 326.3 Cryst. Mp 196-197°.

van Es, T. *et al*, *J.C.S.*, 1963, 1371.

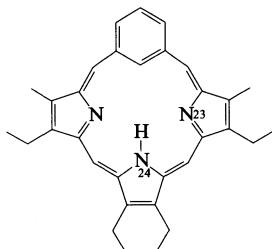
1*H*-Benz[*f*]inden-1-one, 9CI B-1-00011
[159113-90-3]



C₁₃H₈O M 180.2
Yellow cryst. by subl.

Morris, J.L. *et al*, *J.O.C.*, 1994, **59**, 6484 (*synth*, *pmr*)

Benziporphyrin B-1-00012



C₃₂H₃₅N₃ M 461.6

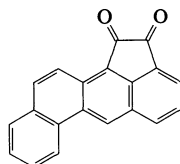
Shows tautomerism between the 24*H*- (illus.) and 23*H*-forms. Blue-black cryst. Mp 135-138° dec. The name proposed for the parent skeleton is Benziporphin.

[157643-37-3, 157643-38-4]

Berlin, K. *et al*, *Angew. Chem., Int. Ed.*, 1994, **33**, 1246 (*synth*, *ir*, *uv*, *pmr*, *cmr*)

Benz[*j*]aceanthrylene-1,2-dione, 9CI B-1-00013

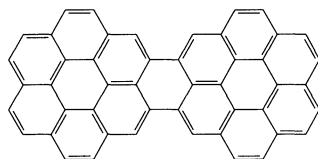
Cholanthrenequinone
[13913-77-4]



C₂₀H₁₀O₂ M 282.2

Miller, D.W. *et al*, *J. Chem. Res., Synop.*, 1984, 418 (*synth*, *pmr*)

Benzo[1,2,3-*bc*:4,5,6-*b'c'*]dicoronene** B-1-00014
Dicoronylene



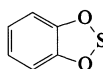
C₄₈H₂₀ M 596.6

Incorr. struct. originally assigned. Red needles. Mp >550°. Intense green fluor. in soln.

Zander, M. *et al*, *Chem. Ber.*, 1958, **91**, 2794 (*synth*)

Goddard, R. *et al*, *J.A.C.S.*, 1995, **117**, 30 (*struct*)

1,3,2-Benzodioxathiole, 9CI B-1-00015
[274-17-9]



C₆H₄O₂S M 140.1

S-Oxide: [6255-58-9]. *Pyrocatechol cyclic sulfite*, 8CI. *Catechol sulfite*. *o*-Phenylene sulfite

C₆H₄O₃S M 156.1 Pale yellow liq. Bp₁₀₅ 137-138°, Bp_{1.5} 58°.

S,S-Dioxide: [4074-55-9]. *Pyrocatechol cyclic sulfate*, 8CI. *Catechol sulfate*. *o*-Phenylene sulfate

C₆H₄O₄S M 172.1 Needles (hexane or by subl.). Mp 35.5-36°.

Green, A.L., *J.C.S.*, 1927, 500 (*oxide*)

Denivel, L., C. R. *Hebd. Seances Acad. Sci.*, 1936, **203**, 194 (*dioxide*)

Boer, F.P. *et al*, *J.A.C.S.*, 1969, **91**, 6604 (*dioxide*, *cryst struct*)

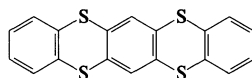
De Jongh, D.C. *et al*, *J.O.C.*, 1972, **37**, 1129 (*oxides*, *synth*, *ms*, *ir*)

DuBois, G.E. *et al*, *J.O.C.*, 1980, **45**, 5371 (*dioxide*)

Tickner, A.M. *et al*, *Synth. Commun.*, 1994, **24**, 1631 (*dioxide*, *synth*, *ir*, *pmr*, *cmr*)

[1,4]Benzodithiino[2,3-*b*]thianthrene, 9CI B-1-00016

5,7,12,14-Tetrathiapentacene
[52879-14-8]



C₁₈H₁₀S₄ M 354.5

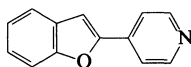
Cryst. Mp 325°.

Ziegler, M. *et al*, *Chem.-Ztg.*, 1976, **100**, 195 (*synth*, *ms*, *ir*, *pmr*, *epr*)

Martí, C. *et al*, *J.O.C.*, 1994, **59**, 6200 (*synth*, *pmr*, *epr*)

4-(2-Benzofuranyl)pyridine, 9CI B-1-00017

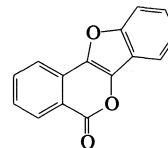
2-(4-Pyridyl)benzofuran. *Pyridarone*, INN.
L4269-Labaz
[7035-04-3]



C₁₃H₉NO M 195.2
Anxiolytic, tranquilliser. Never marketed.
Cryst. (petrol). Mp 133-134°.

Netherlands Pat., 6 514 447, (1966) (*Soc Belge de l'Azote*); *CA*, **65**, 10570a (*synth*)
Ziegler, H.J. *et al*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1971, **6**, 159 (*synth*, *pharmacol*)
Swiss Pat., 613 451, (1979) (*Ciba-Geigy*); *CA*, **92**, 6428s (*synth*)

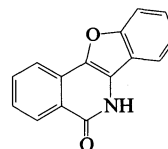
5*H*-Benzofuro[3,2-*c*][2]-benzopyran-5-one B-1-00018



C₁₅H₈O₃ M 236.2
Cryst. (C₆H₆). Mp 168-169°.

Yamaguchi, S. *et al*, *J. Het. Chem.*, 1995, **32**, 419 (*synth*, *uv*, *cmr*)

Benzofuro[3,2-*c*]isoquinolino-5(6*H*)-one B-1-00019

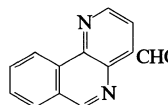


C₁₅H₉NO₂ M 235.2
Cryst. (EtOH). Mp 310°.

Yamaguchi, S. *et al*, *J. Het. Chem.*, 1995, **32**, 419 (*synth*, *uv*, *cmr*)

Benzo[*c*][1,5]naphthyridine-4-carboxaldehyde B-1-00020

*4-Formylbenzo[*c*][1,5]naphthyridine*

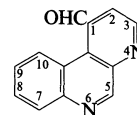


C₁₃H₈N₂O M 208.2
Small cryst. (cyclohexane). Mp 140-141°.

Chrzastek, L. *et al*, *Aust. J. Chem.*, 1994, **47**, 2129 (*synth*, *pmr*)

Benzo[*f*][1,7]naphthyridine-1-carboxaldehyde B-1-00021

*1-Formylbenzo[*f*][1,7]naphthyridine*



C₁₃H₈N₂O M 208.2
Small cryst. (cyclohexane). Mp 269-270°.

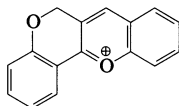
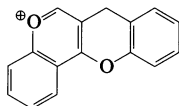
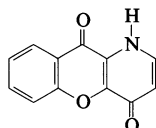
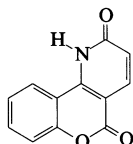
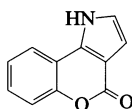
Chrzastek, L. *et al*, *Aust. J. Chem.*, 1994, **47**, 2129 (*synth*, *pmr*)

Benzo[f][1,7]naphthyridine-3-carboxaldehyde **B-1-00022**

3-Formylbenzo[f][1,7]naphthyridine

C₁₃H₉N₂O M 208.2

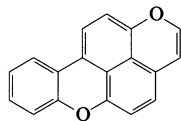
Small cryst. (cyclohexane). Mp 246-247°.

Chrzastek, L. *et al*, *Aust. J. Chem.*, 1994, **47**, 2129 (*synth, pmr*)C₁₉H₁₃NO₃ M 303.3 Mp 203-204° (199°).Heber, D. *et al*, *J. Het. Chem.*, 1995, **32**, 505.Cryst. (C₆H₆). Mp 220-221°.Luo, J. *et al*, *J. Het. Chem.*, 1995, **32**, 659 (*synth, pmr, cmr*)**6H-[1]Benzopyrano[4,3-b][1]benzopyrylium(1+), 9Cl** **B-1-00023**C₁₆H₁₁O₂[⊕] M 235.2 (ion)*Perchlorate*: [28658-13-1].C₁₆H₁₁ClO₆ M 334.7 Red powder. Mp 234° dec.Andrieux, J. *et al*, *Bull. Soc. Chim. Fr.*, 1973, 3421 (*synth, pmr*)Dean, F.M. *et al*, *J.C.S. Perkin 1*, 1993, 2675 (*synth, uv, pmr*)**7H-1-Benzopyrano[3,2-c]benzopyrylium(1+), 9Cl** **B-1-00024**C₁₆H₁₁O₂[⊕] M 235.2 (ion)*Perchlorate*: [153650-26-1].C₁₆H₁₁ClO₆ M 334.7 Yellow flakes. Mp 207° dec.Dean, F.M. *et al*, *J.C.S. Perkin 1*, 1993, 2675 (*synth, uv, pmr*)**1H-Benzopyrano[3,2-b]pyridine-4,10-dione** **B-1-00025**C₁₂H₇NO₃ M 213.1Solid by subl. Mp >260°. Subl.₃ 190°.Mongin, O. *et al*, *J.C.S. Perkin 1*, 1995, 2503 (*synth, ir, pmr, cmr*)**2H-[1]Benzopyrano[4,3-b]pyridine-2,5(1H)-dione** **B-1-00026**C₁₂H₇NO₃ M 213.1*N-Me*:C₁₃H₉NO₃ M 227.2 Cryst. (EtOH). Mp 210-212°.*N-Et*:C₁₄H₁₁NO₃ M 241.2 Cryst. (EtOH). Mp 192-193°.*N-Benzyl*:**[1]Benzopyrano[4,3-b]pyrrol-4(1H)-one, 9Cl** **B-1-00027**C₁₁H₇NO₂ M 185.1

Cryst. (MeOH). Mp 289-291°.

N-Me: [85175-18-4].C₁₂H₉NO₂ M 199.2 Cryst. (MeOH). Mp 164-165° (158°).*N-Ph*: [85175-17-3].C₁₇H₁₁NO₂ M 261.2 Cryst. (MeOH). Mp 143°.Eiden, F. *et al*, *Annalen*, 1983, 165 (*N-Me, N-Ph, synth*)González, A. *et al*, *Synthesis*, 1994, 279 (*synth, pmr, cmr*)**1-Benzopyrano[6,5,4-mna]xanthene** **B-1-00028**

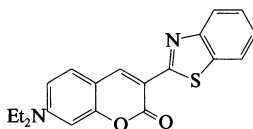
1,6-Dioxabenz[a]pyrene

C₁₈H₁₀O₂ M 258.2

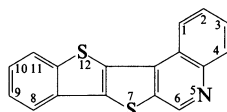
Pale yellow cryst. (pentane). Mp 139-140°.

Buisson, J.P. *et al*, *J. Het. Chem.*, 1995, **32**, 17 (*synth, uv, pmr, cmr*)**3-(2-Benzothiazolyl)-7-(diethylamino)-2H-1-benzopyran-2-one, 9Cl** **B-1-00029**

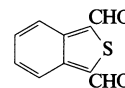
3-(2-Benzothiazolyl)-7-(diethylamino) coumarin. Coumarin 540. Coumarin 6 [38215-36-0]

C₂₀H₁₈N₂O₂S M 350.4

Laser dye. Orange needles (Py aq.). Mp 204°.

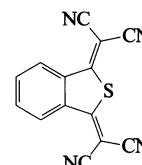
UK Pat., 867 592, (1961); *CA*, **55**, 21927c (*synth, uv*)Jasinski, J.P. *et al*, *Acta Cryst. C*, 1995, **51**, 531 (*cryst struct, bibl*)**[1]Benzothieno[2',3':4,5]thieno[2,3-c]quinoline** **B-1-00030**C₁₇H₉NS₂ M 291.3**Benzo[c]thiophene-1,3-dicarboxaldehyde, 9Cl** **B-1-00031**

[147807-93-0]

C₁₀H₆O₂S M 190.2Yellow brown cryst. (hexane/CHCl₃). Mp 161-163°.Lorcy, D. *et al*, *Chem. Comm.*, 1993, 345 (*synth, uv, pmr, ir*)**2,2'-(Benzo[c]thiophene-1,3-diylidene)bispropanedinitrile, 9Cl** **B-1-00032**

1,3-Dihydro-1,3-bis(dicyanomethylene) isothianaphthene

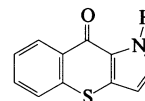
[147807-91-8]

C₁₄H₄N₄S M 260.2

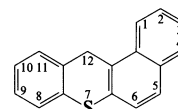
Orange-red cryst. (MeCN). Mp 254°.

Lorcy, D. *et al*, *Chem. Comm.*, 1993, 345 (*synth, uv, pmr, ir, cryst struct*)**[1]Benzothiopyrano[3,2-b]pyrrol-9(1H)-one** **B-1-00033**

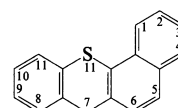
[160205-73-2]

C₁₁H₇NOS M 201.2

Pink cryst. (EtOH). Mp 189-192°.

Bates, D.K. *et al*, *J.O.C.*, 1994, **59**, 8076 (*synth, ir, pmr*)**12H-Benzo[a]thioxanthene** **B-1-00034**C₁₇H₁₂S M 248.3

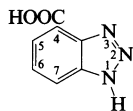
Needles (toluene). Mp 109-109.5°.

Takido, T. *et al*, *J. Het. Chem.*, 1995, **32**, 687 (*synth, pmr*)**7H-Benzo[c]thioxanthene** **B-1-00035**C₁₇H₁₂S M 248.3

Needles (toluene). Mp 88.5-89.5°.

Takido, T. *et al*, *J. Het. Chem.*, 1995, **32**, 687
(*synth*, *pmr*)

1*H*-Benzotriazole-4(7)-carboxylic acid **B-1-00036**
[62972-61-6]



C₇H₅N₃O₂ M 163.1

Hoffmann, H. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1989, **322**, 457 (*synth*)

1*H*-Benzotriazole-5(6)-carboxylic acid **B-1-00037**
[23814-12-2]

C₇H₅N₃O₂ M 163.1
Mp 310° dec. p*K*_a 4.03 (20°).

Me ester: [113053-50-2].

C₈H₇N₃O₂ M 177.1 Cryst. (H₂O).
Mp 170-171°.

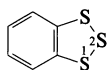
Et ester: [73605-91-1].

C₉H₉N₃O₂ M 191.1 Cryst. (H₂O).
Mp 108-109°.

Gilbert, E.E., *J. Het. Chem.*, 1969, **6**, 483
(*synth*)

Katritzky, A.R. *et al*, *Synth. Commun.*, 1993, **23**, 2019 (*ester*)

Benzotrithiole, 9CI **B-1-00038**



C₆H₄S₃ M 172.2

1-Oxide: [146953-96-0].

C₆H₄OS₃ M 188.2 Cryst.
(CHCl₃/hexane). Mp 73-74°.

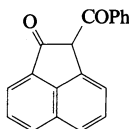
2-Oxide: [36264-19-4].

C₆H₄OS₃ M 188.2 Yellow needles
(CHCl₃/hexane). Mp 76-77°.

Steinle, K. *et al*, *Z. Naturforsch., B*, 1972, **27**, 83
(*synth*, *ir*, *pmr*, *ms*)

Yomiji, N. *et al*, *J.C.S. Perkin I*, 1993, 1995
(*synth*, *ir*, *pmr*, *cmr*)

2-Benzoyl-1(2*H*)-acenaphthylenone, 9CI **B-1-00039**
2-Benzoylacenaphthenone
[160771-20-0]



C₁₉H₁₂O₂ M 272.3

Yellow needles (hexane). Mp 101-102°.

Tsuge, O. *et al*, *J. Het. Chem.*, 1994, **31**, 1283.

3-Benzoylbenzaldehyde, 9CI **B-1-00040**
m-Formylbenzophenone
[71856-95-6]

C₁₄H₁₀O₂ M 210.2

Liq. Bp_{0.04} 140-150°.

Japan. Pat., 79 76 563, (1979); 1980, 80 143 926,
80 162 736, 80 154 932, 80 154 933, 80 154
934; *C.A.*, **92**, 22259t; **94**, 174660w, 174661x,
174662y; **95**, 61774p, 115075c (*synth*)
Elliott, M. *et al*, *Pestic. Sci.*, 1983, **14**, 182
(*synth*, *pmr*)

3-Benzoylbenzenesulfonic acid, 9CI **B-1-00041**

Benzophenone-m-sulfonic acid

[63113-58-6]

C₁₃H₁₀O₄S M 262.2

Isol. as the NH₄⁺ and Ba²⁺ salts.

Amide: [134187-86-3].

C₁₃H₁₁NO₃S M 261.3 Needles (H₂O).
Mp 144°.

Ruggli, P. *et al*, *Helv. Chim. Acta*, 1941, **24**, 197
(*synth*)

4-Benzoylbenzenesulfonic acid, 9CI **B-1-00042**

Benzophenone-p-sulfonic acid

[73621-00-8]

C₁₃H₁₀O₄S M 262.2

Mp 187-188° (as *S*-benzylthiuronium salt).

Amide: [28833-72-9].

C₁₃H₁₁NO₃S M 261.3 Cryst. (EtOH).
Mp 172-173°.

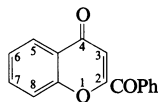
Bordwell, F.G. *et al*, *J.A.C.S.*, 1956, **78**, 5367
(*synth*)

Dorsett, M.T. *et al*, *J. Med. Chem.*, 1970, **13**,
895 (*synth*, *amide*)

2-Benzoyl-4*H*-1-benzopyran-4-one, 9CI **B-1-00043**

2-Benzoylchromone

[51685-51-9]



C₁₆H₁₀O₃ M 250.2

Cryst. (EtOH or MeOH). Mp 94°.

Schmutz, J. *et al*, *Helv. Chim. Acta*, 1952, **35**,
1168 (*synth*)

Holmberg, G.-A. *et al*, *Acta Chem. Scand.*,
1973, **27**, 2020 (*synth*, *ms*)

Payard, M. *et al*, *Eur. J. Med. Chem. (Chim.
Ther.)*, 1981, **16**, 453 (*synth*)

3-Benzoyl-4*H*-1-benzopyran-4-one, 9CI **B-1-00044**

3-Benzoylchromone

[4197-99-3]

C₁₆H₁₀O₃ M 250.2

Cryst. (2-propanol). Mp 130° (125-127°).

Eiden, F. *et al*, *Chem. Ber.*, 1967, **100**, 2554
(*synth*, *w*)

Ghosh, C.K. *et al*, *Indian J. Chem., Sect. B*,
1984, **23**, 668 (*synth*)

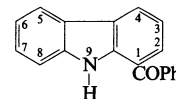
Adam, W. *et al*, *Annalen*, 1994, 795 (*synth*, *ir*,
pmr, *cmr*)

1-Benzoylcarbazole **B-1-00045**

*9*H*-Carbazol-1-ylphenylmethanone, 9CI.*

Carbazol-1-yl phenyl ketone

[111960-27-1]



C₁₉H₁₃NO M 271.3

Yellow needles (EtOH). Mp 123-125°.

Bonesi, S.M. *et al*, *J. Het. Chem.*, 1991, **28**,
1035 (*synth*, *pmr*, *cmr*, *ms*)

2-Benzoylcarbazole **B-1-00046**

*9*H*-Carbazol-2-ylphenylmethanone, 9CI*

[23592-78-1]

C₁₉H₁₃NO M 271.3

Greenish-yellow plates (AcOH). Mp 163°.

Itier, J. *et al*, *Bull. Soc. Chim. Fr.*, 1969, 2342,
3523 (*synth*, *ir*, *w*)

3-Benzoylcarbazole **B-1-00047**

*9*H*-Carbazol-3-ylphenylmethanone, 9CI*

[19264-66-5]

C₁₉H₁₃NO M 271.3

Pale yellow plates (EtOH). Mp 213-215°
(203-205°).

Acheson, R.M. *et al*, *J.C.S.*, 1953, 1900 (*synth*)

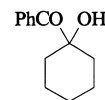
Itier, J. *et al*, *Bull. Soc. Chim. Fr.*, 1969, 2342,
3523 (*synth*, *ir*, *w*)

Bonesi, S.M. *et al*, *J. Het. Chem.*, 1991, **28**,
1035 (*synth*, *pmr*, *cmr*, *ms*, *bibl*)

1-Benzoylcyclohexanol **B-1-00048**

(1-Hydroxycyclohexyl)phenylmethanone, 9CI

[947-19-3]



C₁₃H₁₆O₂ M 204.2

Cryst. (hexane). Mp 44-44.5°, Mp 48-49°.

Stevens, C.L. *et al*, *J.A.C.S.*, 1952, **74**, 618
(*synth*)

Krepiski, L.R. *et al*, *Tet. Lett.*, 1983, **24**, 4075
(*synth*)

Ohta, S. *et al*, *Chem. Pharm. Bull.*, 1995, **43**,
1294 (*synth*, *pmr*)

Benzoyldiazoacetaldehyde **B-1-00049**

Benzoylformyl diazomethane

[14762-47-1]

PhCOC(N₂)CHO

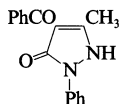
C₉H₆N₂O₂ M 174.1

Cryst. (hexane). Mp 60-60.5°.

Stojanovic, F.M. *et al*, *Coll. Czech. Chem.
Comm.*, 1967, **32**, 2155.

Sezer, O. *et al*, *Helv. Chim. Acta*, 1994, **77**,
2323.

4-Benzoyl-1,2-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-one, 9CI B-1-00050
4-Benzoyl-3-methyl-1-phenyl-5-pyrazolone
[64598-48-7]



$C_{17}H_{14}N_2O_2$ M 278.3
5 Tautomers possible. Crystallises from polar solvs. as the colourless *NH* tautomer (illus.). From non-polar solvs. crystallises as a yellow form of undetd. struct. Shows interesting solvent extraction and complexing props. Mp 91°, Mp 122°.
Jensen, B.S., *Acta Chem. Scand.*, 1959, **13**, 1668, 1890 (*synth, use*)
O'Connell, M.J. *et al*, *Aust. J. Chem.*, 1985, **38**, 401 (*cryst struct*)
Bonati, F. *et al*, *Polyhedron*, 1985, **4**, 357 (*use*)

N-Benzoyl-N-formylhydrazine B-1-00051
Benzoic acid 2-formylhydrazide, 9CI
[28004-69-5]



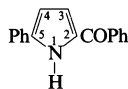
$C_8H_8N_2O_2$ M 164.1
Cryst. (toluene/EtOH). Mp 161-162°.
Carlsen, P.H.J. *et al*, *J. Het. Chem.*, 1994, **31**, 805 (*synth, cmr, pmr, ir*)

(1-Benzoyl-2-oxo-2-phenylethyl) triphenylphosphonium(1+) B-1-00052
(Dibenzoylmethyl)triphenylphosphonium



$C_{33}H_{26}O_2P^+$ M 485.5 (ion)
Perchlorate: [116178-80-4].
 $C_{33}H_{26}ClO_6P$ M 584.9 Cryst. (EtOAc/hexane). Mp 185-187°.
Ylide: see 1,3-Diphenyl-2-(triphenylphosphoranylidene)-1,3-propanedione, D-0-12546 [63634-63-9, 63634-64-0]
Ohmori, H. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 613 (*synth, ir, pmr, use*)

2-Benzoyl-5-phenylpyrrole B-1-00053
Phenyl(5-phenyl-1H-pyrrol-2-yl)methanone, 9CI
[56900-73-3]



$C_{17}H_{13}NO$ M 247.2
Cryst (EtOH). Mp 166°.
Padwa, A. *et al*, *J.A.C.S.*, 1975, **97**, 4682 (*synth, w, pmr*)
Kharchenko, V.G. *et al*, *Khim. Geterotsikl. Soedin.*, 1984, 1355; 1985, 352; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1984, 1113; 1985, 291 (*synth, cryst struct, ir, pmr*)

Messinger, P. *et al*, *Synthesis*, 1986, 213 (*synth, ir, pmr*)
Pale-Grosdemage, C. *et al*, *Tetrahedron*, 1989, **45**, 3397 (*ir, pmr, cmr, ms*)

3-Benzoyl-4-phenylpyrrole B-1-00054
Phenyl(4-phenyl-1H-pyrrol-3-yl)methanone, 9CI

[40167-32-6]
 $C_{17}H_{13}NO$ M 247.2
Cryst. (CH₂Cl₂). Mp 232-234°.
van Leusen, A.M. *et al*, *Tet. Lett.*, 1972, 5337 (*synth*)
van Leusen, D. *et al*, *J.O.C.*, 1992, **57**, 2245 (*synth, ir, pmr*)

3-Benzoyl-5-phenylpyrrole B-1-00055
Phenyl(5-phenyl-1H-pyrrol-3-yl)methanone, 9CI

[161958-60-7]
 $C_{17}H_{13}NO$ M 247.2
Cryst. (DMF aq.). Mp 220-222°.
Di Santo, R. *et al*, *Synth. Commun.*, 1995, **25**, 795 (*synth*)

4-Benzoylpyridazine B-1-00056
Phenyl-4-pyridazinylmethanone, 9CI. Phenyl 4-pyridazinyl ketone
[53074-23-0]



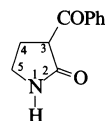
$C_{11}H_8N_2O$ M 184.1
Needles (petrol). Mp 106-108°.
Oxime: [96054-53-4].
 $C_{11}H_9N_3O$ M 199.2 Cryst. (EtOH). Mp 146-149°.
[96054-54-5]
Heinisch, G. *et al*, *Monatsh. Chem.*, 1974, **105**, 648; 1979, **110**, 365 (*synth, pmr*)
Heinisch, G. *et al*, *Annalen*, 1985, 167 (*oxime, synth*)
Yamanaka, H. *et al*, *Heterocycles*, 1990, **31**, 895 (*synth, pmr*)

1-Benzoyl-2-pyrrolidinone, 9CI B-1-00057
N-Benzoyl-γ-butyrolactam
[2399-66-8]



$C_{11}H_{11}NO_2$ M 189.2
Catalyst for polymerisation of pyrrolidinones. Needles (EtOH or C₆H₆); platelets (H₂O). Mp 92.5° (89-90°).
Kanewskaja, S.J., *Ber.*, 1936, **69**, 266 (*synth*)
Sekiguchi, H. *et al*, *Bull. Soc. Chim. Fr.*, 1960, 1827 (*synth*)
Korte, F. *et al*, *Chem. Ber.*, 1962, **95**, 2444 (*synth*)
Kato, T. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 1181 (*synth*)
Sasaki, H. *et al*, *J. Med. Chem.*, 1991, **34**, 628 (*synth, pmr*)
Yamane, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1992, **65**, 886 (*cryst struct*)

3-Benzoyl-2-pyrrolidinone, 9CI B-1-00058
[92288-11-4]

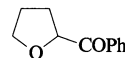


$C_{11}H_{11}NO_2$ M 189.2
Prob. enolised β-diketone. Cryst. (C₆H₆). Mp 122-123° (120°).
N-Me: [54343-55-4].
 $C_{12}H_{13}NO_2$ M 203.2 Oil. Bp₅ 164-165°, Bp_{0.1} 125°.
Korte, F. *et al*, *Chem. Ber.*, 1962, **95**, 2444 (*synth, w, ir*)
Stehliček, J. *et al*, *Makromol. Chem.*, 1986, **187**, 513 (*synth, pmr, ms, ir*)

5-Benzoyl-2-pyrrolidinone, 9CI B-1-00059

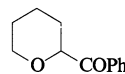
$C_{11}H_{11}NO_2$ M 189.2
(±)-form [111556-29-7]
Cryst. (MeOH). Mp 175°.
N-Me: [42435-96-1].
 $C_{12}H_{13}NO_2$ M 203.2 Mp 115°.
Soai, K. *et al*, *J.C.S. Perkin 1*, 1987, 1465 (*synth, pmr, ir*)
Rigo, B. *et al*, *Synth. Commun.*, 1994, **24**, 2597 (*synth, pmr*)

2-Benzoyltetrahydrofuran B-1-00060
Phenyl tetrahydrofuran-2-yl ketone



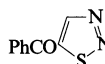
$C_{11}H_{12}O_2$ M 176.2
Oil.
Enholm, E.J. *et al*, *J. Het. Chem.*, 1995, **32**, 109.

2-Benzoyltetrahydro-2H-pyran B-1-00061
Phenyltetrahydro-2H-pyran-2-yl ketone



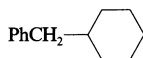
$C_{12}H_{14}O_2$ M 190.2
Oil.
Enholm, E.J. *et al*, *J. Het. Chem.*, 1995, **32**, 109 (*synth, pmr, cmr*)

5-Benzoyl-1,2,3-thiadiazole B-1-00062
Phenyl-1,2,3-thiadiazol-5-ylmethanone, 9CI
[136918-89-3]



$C_9H_6N_2OS$ M 190.2
Solid (EtOH). Mp 80°.
L'abbé, G. *et al*, *J.C.S. Perkin 1*, 1992, 1755 (*synth, ir, pmr, cmr, ms*)
L'abbé, G. *et al*, *J. Het. Chem.*, 1993, **30**, 301 (*N-15 nmr*)

Benzylcyclohexane **B-1-00063**
(Cyclohexylmethyl)benzene, 9CI.
Cyclohexylphenylmethane, 8CI
[4410-75-7]



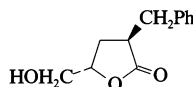
$C_{13}H_{18}$ M 174.2
Bp 240-241°, Bp₂₀ 137°, Bp₁₀ 133°.
Rosenmund, K.W. *et al*, *Chem. Ber.*, 1959, **92**,
494 (synth)
Gutsche, C.D. *et al*, *Tetrahedron*, 1962, **18**, 617
(synth)
Tomiooka, H. *et al*, *Tetrahedron*, 1985, **41**, 1435
(pmr)
Krafft, M.E. *et al*, *J.O.C.*, 1988, **53**, 3158 (synth)

Benzyl dichloromethyl sulfide **B-1-00064**



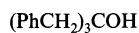
$C_8H_8Cl_2S$ M 207.1
Liq.
S,S-Dioxide: [10038-09-2]. Benzyl
dichloromethyl sulfone
 $C_8H_8Cl_2O_2S$ M 239.1 Plates
(cyclohexane). Mp 104°.
Paquette, L.A. *et al*, *J.A.C.S.*, 1967, **89**, 4487
(synth, deriv)
Langler, R.F. *et al*, *Aust. J. Chem.*, 1994, **47**,
1641 (sulfone)

3-Benzylidene-5-(hydroxymethyl)-2(3H)-furanone **B-1-00065**
Dihydro-5-(hydroxymethyl)-3-(phenylmethyl)-
2(3H)-furanone



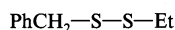
$C_{12}H_{14}O_3$ M 206.2
(3R,5S)-form
Solid. $[\alpha]_D^{22}$ -2.22 (c, 0.006 in CHCl₃).
O-(Trifluoromethanesulfonyl): Waxy solid.
Mp 53-54°.
Dorsey, B.D. *et al*, *J. Med. Chem.*, 1994, **37**,
3443 (synth, ir, pmr, cmr)

2-Benzyl-1,3-diphenyl-2-propanol **B-1-00066**
 α,α -Bis(phenylmethyl)benzeneethanol, 9CI.
Tribenzylmethanol
[6712-97-6]



$C_{22}H_{22}O$ M 302.4
Cryst. (EtOH). Mp 114-115°.
Klages, A. *et al*, *Ber.*, 1904, **37**, 1447 (synth)
Ferguson, G. *et al*, *Acta Cryst. C*, 1993, **49**, 820
(cryst struct)
Ferguson, G. *et al*, *J. Organomet. Chem.*, 1994,
464, 95 (pmr)

Benzyl ethyl disulfide **B-1-00067**
Ethyl phenylmethyl disulfide
[21230-16-0]



$C_9H_{12}S_2$ M 184.3
Liq. Bp_{0.1} 75°. n_D^{25} 1.5820.
Stirling, C.J.M., *J.C.S.*, 1957, 3597.

3-Benzyl-2(5H)-furanone **B-1-00068**
3-(Phenylmethyl)-2(5H)-furanone, 9CI
[46201-15-4]



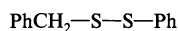
$C_{11}H_{10}O_2$ M 174.1
Oil. Bp_{0.2} 114°, Bp_{0.01} 141-143°.
Canonne, P. *et al*, *Tet. Lett.*, 1983, **24**, 1929
(synth)
Muraoka, O. *et al*, *J.C.S. Perkin 1*, 1994, 1833
(synth)

3-Benzylidene-2(3H)-furanone **B-1-00069**
3-(Phenylmethylene)-2(3H)-furanone, 9CI.
Isoaurone
[4645-16-3]



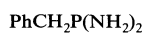
$C_{11}H_8O_2$ M 172.1
[105262-74-6]
Näsman, J.H. *et al*, *Tet. Lett.*, 1986, **27**, 1391
(synth)

Benzyl phenyl disulfide, 8CI **B-1-00070**
Phenyl phenylmethyl disulfide
[16601-17-5]



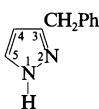
$C_{13}H_{12}S_2$ M 232.3
Liq. Bp_{0.05} 125-128°.
Jacini, G. *et al*, *Gazz. Chim. Ital.*, 1952, **82**, 297.

P-Benzylphosphonous diamide **B-1-00071**
P-(Phenylmethyl)phosphonous diamide



$C_7H_{11}N_2P$ M 154.1
N,N,N',N'-Tetra-Et: [93633-48-8].
Benzylphosphonous bis(diethylamide).
N,N,N',N'-Tetraethyl-P-(phenylmethyl)
phosphonous diamide
 $C_{15}H_{27}N_2P$ M 266.3 Oil. Bp_{0.02} 67°.
Vierling, P. *et al*, *Organometallics*, 1986, **5**, 2543
(synth, ir, pmr, P-31 nmr)

3(5)-Benzyl-1H-pyrazole **B-1-00072**
3-(Phenylmethyl)pyrazole
[32251-82-4]



$C_{10}H_{10}N_2$ M 158.2
Oil. Bp_{0.05} 140-150°. n_D^{20} 1.5762.
Picrate: [32251-83-5].
Yellow cryst. (EtOH/petrol). Mp 125-
127°.
Schweizer, E.E. *et al*, *J.O.C.*, 1971, **36**, 4033
(synth, ir, pmr)

4-Benzyl-1H-pyrazole **B-1-00073**
4-(Phenylmethyl)-1H-pyrazole, 9CI
[66948-38-7]

$C_{10}H_{10}N_2$ M 158.2
Cryst. Mp 79-80°.
Oxalate: Cryst. (EtOH/Et₂O). Mp 150-151°
dec.
N-Me: [148873-29-4]. 4-Benzyl-1-methyl-1H-
pyrazole
 $C_{11}H_{12}N_2$ M 172.2 Oil.
N-Me, picrate: Cryst. Mp 87-89°.
[149507-57-3]
Tolf, B.R. *et al*, *Acta Chem. Scand., Ser. B*,
1982, **36**, 101 (synth)
Echevarria, A. *et al*, *J.C.S. Perkin 1*, 1993, 2229
(synth, pmr)
Echevarria, A. *et al*, *Synth. Commun.*, 1993, **23**,
925.

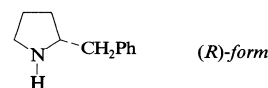
4-Benzylpyridazine **B-1-00074**
4-(Phenylmethyl)pyridazine, 9CI
[53074-22-9]

$C_{11}H_{10}N_2$ M 170.2
Liq. Bp_{0.001} 125°.
Hydrochloride: [53074-25-2].
Cryst. (EtOH/Et₂O). Mp 129°.
Heinisch, G. *et al*, *Monatsh. Chem.*, 1974, **105**,
648 (synth, pmr)
Pittenauer, E. *et al*, *Org. Mass Spectrom.*, 1991,
26, 595 (ms)

5-Benzylpyrimidine **B-1-00075**
5-(Phenylmethyl)pyrimidine, 9CI
[92674-39-0]

$C_{11}H_{10}N_2$ M 170.2
Cryst. Mp 47°. Subl._{0.01} 60-65°.
Robba, M. *et al*, *Bull. Soc. Chim. Fr.*, 1960,
1648 (synth)

2-Benzylpyrrolidine **B-1-00076**
2-(Phenylmethyl)pyrrolidine, 9CI
[35840-91-6]



$C_{11}H_{15}N$ M 161.2
(R)-form [63328-13-2]
Oil. Bp₄ 95-98°. $[\alpha]_D^{25}$ -15.1 (c, 0.6 in
MeOH).
Hydrochloride: [144889-08-7].
Mp 109-111°. $[\alpha]_D$ -33.6 (c, 1.1 in
MeOH).

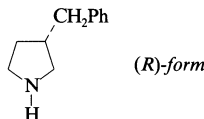
(S)-form [97522-31-1]
Oil. $[\alpha]_D$ +20.0 (c, 0.3 in MeOH).

(±)-form [97589-59-8]
Oil. Bp₁₉ 129-131°.
Picrate: [106366-41-0].
Cryst. (EtOH). Mp 136-137°.
N-Me: [3211-56-1].
 $C_{12}H_{17}N$ M 165.1 Liq. Bp₁₀ 107-108°.
[4266-03-9]

Starr, D.F. *et al*, *J.A.C.S.*, 1932, **54**, 3971
(synth)
Červinka, O., *Coll. Czech. Chem. Comm.*, 1965,
30, 2403 (N-Me)
Tseng, C.C. *et al*, *Chem. Pharm. Bull.*, 1977, **25**,
29 (synth, ir, pmr)
Secor, H.V. *et al*, *Heterocycles*, 1986, **24**, 1687
(synth, pmr, cmr)

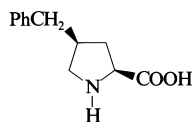
Meyers, A.I. *et al*, *J.O.C.*, 1991, **56**, 2294; 1992, **57**, 1656 (*S*-form, *synth*, *pmr*, *cmr*)
Cooper, G.F. *et al*, *Tet. Lett.*, 1992, **33**, 5895 (*R*-form, *synth*)
Gooding, O.W. *et al*, *Synth. Commun.*, 1995, **25**, 1155 (*R*-form, *synth*)

3-Benzylpyrrolidine **B-1-00077**
3-(Phenylmethyl)pyrrolidine, 9CI



$C_{11}H_{15}N$ M 161.2
(*R*)-form [155627-32-0]
[α]_D +19.1 (c, 1.5 in EtOH).
(*S*)-form [155627-31-9]
[α]_D -18.2 (c, 1.5 in EtOH).
Westrum, L.J. *et al*, *Tet. Lett.*, 1994, 973 (*synth*)

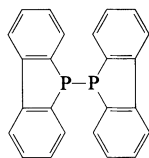
4-Benzyl-2-pyrrolidinecarboxylic acid **B-1-00078**
4-Benzylproline



$C_{12}H_{15}NO_2$ M 205.2
(2*S*,4*S*)-form
(-)-*cis*-form
Solid. Mp 190° dec. [α]_D -39.3 (c, 0.28 in MeOH).
Ezquerria, J. *et al*, *J.O.C.*, 1995, **60**, 2925 (*synth*, *ir*, *pmr*, *cmr*)

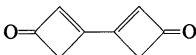
2,2'-Biadamantyl ketone **B-1-00079**
Bis(tricyclo[3.3.1.1^{3,7}]dec-2-yl)methanone, 9CI.
2,2'-Diadamantyl ketone
 $C_{21}H_{30}O$ M 298.4
Mp 182° (177.5-179.5°).
Molle, G. *et al*, *J.O.C.*, 1982, **47**, 4120 (*synth*)

5,5'-Bi-(5*H*-benzo[*b*]phosphole), 9CI **B-1-00080**
[4762-79-2]



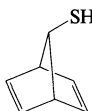
$C_{24}H_{16}P_2$ M 366.3
Yellow cryst. Mp 230°.
5,5'-Disulfide:
 $C_{24}H_{16}P_2S_2$ M 430.4 Complexes with Sm. Pale yellow solid.
Wilson, W.L. *et al*, *Bull. Soc. Chim. Fr.*, 1993, **130**, 673 (*disulfide*, *pmr*, *cmr*, P-31 *nmr*)
Nief, F. *et al*, *J. Organomet. Chem.*, 1994, **464**, 149 (*synth*, *pmr*, P-31 *nmr*, *ms*)

[Bi-1-cyclobuten-1-yl]-3,3'-dione, 9CI **B-1-00081**
3,3'-Bi(2-cyclobuten-1-one)
[159557-92-3]



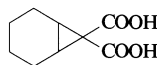
$C_8H_6O_2$ M 134.1
Light yellow solid. Mp 75-260° (slow dec.).
Liebeskind, L.S. *et al*, *J.O.C.*, 1994, **59**, 7917 (*synth*, *ir*, *pmr*, *cmr*)

Bicyclo[2.2.1]hepta-2,5-diene-7-thiol **B-1-00082**
7-Mercaptonorbornane. 7-Thionorbornadiene



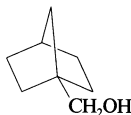
C_7H_8S M 124.2
S-Me: [136708-44-6]. 7-(Methylthio)bicyclo[2.2.1]hepta-2,5-diene. 7-Methylthionorbornadiene
 $C_8H_{10}S$ M 138.2 Bp₁₈ 78°.
Huda, E. *et al*, *Chem. Ber.*, 1991, **124**, 2879.

Bicyclo[4.1.0]heptane-7,7-dicarboxylic acid **B-1-00083**
Norcarane-7,7-dicarboxylic acid
[20145-30-6]



$C_9H_{12}O_4$ M 184.1
Sl. brown cryst. Mp 186-188° (176-177°) (decarboxylates).
Di-Me ester: [34916-57-9].
 $C_{11}H_{16}O_4$ M 212.2 Yellowish cryst. (MeOH). Mp 87-88.5°.
Di-Et ester:
 $C_{13}H_{20}O_4$ M 240.2 Mp 36-37°. Bp_{0.5} 108°. n_D^{20} 1.4687.
Musso, H., *Chem. Ber.*, 1968, **101**, 3710 (*synth*)
Ohishi, J., *Synthesis*, 1980, 690 (*synth*)
Troxler, T. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1193 (*synth*, *pmr*, *cmr*, *ms*)

Bicyclo[2.2.1]heptane-1-methanol, 9CI **B-1-00084**
1-Norbornanemethanol, 8CI. 1-Norcamphanemethanol. 1-Hydroxymethylnorbornane
[2064-02-0]



$C_8H_{14}O$ M 126.1
Waxy needles. Mp 63-65°.
4-Methylbenzenesulfonyl: [13866-80-3].
Cryst. (hexane). Mp 78-80°.
Me ether: [61192-27-6]. 1-(Methoxymethyl)bicyclo[2.2.1]heptane, 9CI
 $C_9H_{16}O$ M 140.2 Liq.
Bixler, R.L. *et al*, *J.O.C.*, 1958, **23**, 742 (*synth*)

Wiberg, K.B. *et al*, *J.A.C.S.*, 1963, **85**, 3188 (*Ac*)
Applequist, D.E. *et al*, *J.A.C.S.*, 1965, **87**, 2194 (*synth*)
Kropp, P.J. *et al*, *J.A.C.S.*, 1976, **98**, 8135 (*Me ether*)
Neuman, R.C. *et al*, *J.O.C.*, 1990, **55**, 4564 (*synth*, *pmr*, *cmr*)
Kostova, K. *et al*, *Synth. Commun.*, 1995, **25**, 1575 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

Bicyclo[3.1.1]heptan-1-ol, 9CI **B-1-00085**
1-Norpinanol
[130775-52-9]

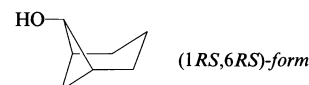


$C_7H_{12}O$ M 112.1
Cryst. Mp 94-95°, Mp 113-115°.
Razus, A.C. *et al*, *Rev. Roum. Chim.*, 1989, **34**, 2075 (*synth*, *ir*, *pmr*, *cmr*)
Molander, G.A. *et al*, *J.O.C.*, 1991, **56**, 4112 (*synth*, *pmr*, *cmr*, *ms*)

Bicyclo[3.1.1]heptan-2-ol, 9CI **B-1-00086**
2-Norpinanol, 8CI
[38102-34-0]
 $C_7H_{12}O$ M 112.1

(±)-form
Cryst. Mp 101-102°. Sublimes.
Grychtol, K. *et al*, *Chem. Ber.*, 1972, **105**, 1798 (*synth*, *ir*, *pmr*)
Bentley, T.W. *et al*, *Annalen*, 1995, 599 (*synth*, *pmr*)

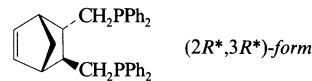
Bicyclo[3.1.1]heptan-6-ol, 9CI **B-1-00087**



$C_7H_{12}O$ M 112.1
(1*R*,6*RS*)-form
exo-form
Mp 72-78°.
(1*R*,6*SR*)-form [6621-22-3]
endo-form
Mp 124-126°.
Wiberg, K.B. *et al*, *J.O.C.*, 1966, **31**, 2250 (*synth*, *pmr*)
Gassman, P.G. *et al*, *J.A.C.S.*, 1981, **103**, 4977 (*synth*)

Bicyclo[2.2.1]hept-5-ene-2,3-diylbis(methylene) bis[diphenylphosphine], 9CI **B-1-00088**

Updated Entry replacing B-0-01896
2,3-Bis(diphenylphosphinomethyl)-5-norbornene
[128777-26-4]



$C_{33}H_{32}P_2$ M 490.5
Ligand for asymmetric hydrogenation.
(2*R**,3*R**)-form [79426-29-2]
(+)-*endo*,*exo*-form
Solid. Mp 78-79°. [α]_D²⁵ +12.0 (c, 1 in C₆H₆), [α]_D -25.7 (c, 1 in CHCl₃).

Dioxide: [79426-27-0].

C₃₃H₃₂O₂P₂ M 522.5 Cryst. Mp 204-206°. [α]_D²⁵ + 77.8 (c, 1 in C₆H₆), [α]_D + 33.4 (c, 1 in EtOH), [α]_D + 28.2 (c, 1 in CHCl₃).

(2S*,3S*)-form [79426-28-1]

(–)-endo,exo-form

Solid. Mp 78-79°. [α]_D²⁵ – 12.1 (c, 1 in C₆H₆), [α]_D + 25.2 (c, 1 in CHCl₃).

Dioxide: [79426-26-9].

Cryst. Mp 205-206°. [α]_D²⁵ – 76.4 (c, 1 in C₆H₆), [α]_D – 33.4 (c, 1 in EtOH), [α]_D – 27.0 (c, 1 in CHCl₃).

(2RS,3RS)-form [79426-24-7]

(±)-endo,exo-form

Solid.

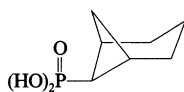
Dioxide: [79426-25-8].

Cryst. (EtOH aq.). Mp 208-209°.

[128777-26-4]

Döbler, C. et al, *J. Prakt. Chem.*, 1981, **323**, 667 (synth, resoln)**[Bicyclo[3.1.1]heptyl]-6-phosphonic acid, 9CI**

B-1-00089

C₇H₁₃O₃P M 176.1(1 α ,5 α ,6 β)-form [145852-36-4]

endo-form

Cryst. (H₂O). Mp 196-197°.

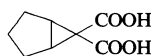
Di-Me ester: [145852-35-3]. Dimethyl

[bicyclo[3.1.1]heptyl]-6-phosphonate

C₉H₁₇O₃P M 204.2 Liq. Bp₂ 91-92°.Vasin, V.A. et al, *Zh. Obshch. Khim.*, 1992, **62**, 1416; *J. Gen. Chem. USSR (Engl. Transl.)*, 1992, **62**, 1164 (synth, ir, ms, pmr, cmr, P-31 nmr)**Bicyclo[3.1.0]hexane-6,6-dicarboxylic acid**

B-1-00090

[160002-70-0]

C₈H₁₀O₄ M 170.1Cryst. (H₂O). Mp 190-191° (decarboxylates).

Di-Me ester: [160002-69-7].

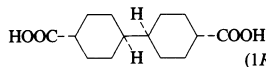
C₁₀H₁₄O₄ M 198.2 Cryst. (MeOH).

Mp 47-48°.

Troxler, T. et al, *Helv. Chim. Acta*, 1994, **77**, 1193 (synth, pmr, cmr, ms)**[1,1'-Bicyclohexyl]-4,4'-dicarboxylic acid, 9CI**

B-1-00091

[1459-29-6]



(1RS,1'RS,4RS,4'RS)-form

C₁₄H₂₂O₄ M 254.3

(1RS,1'RS,4RS,4'RS)-form [16200-85-4]

trans,trans-form

Cryst. (AcOH). Mp 351-353° (340°).

Di-Me ester: [16200-84-3].

Needles (MeOH). Mp 115-116°.

(1RS,1'RS,4SR,4'SR)-form [46902-11-8]

cis,cis-form

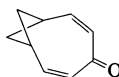
Mp 260-263°.

Di-Me ester:

C₁₆H₂₆O₄ M 282.3 Plates (MeOH). Mp 98°.Fichter, F. et al, *Helv. Chim. Acta*, 1938, **21**, 141 (synth)Deutscher, H.-J. et al, *Z. Chem.*, 1984, **24**, 257 (synth)Cannon, J.G. et al, *Synth. Commun.*, 1995, **25**, 2079 (synth, conformn, cryst struct)**Bicyclo[5.1.1]nona-2,5-dien-4-one, 9CI**

B-1-00092

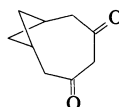
[145325-93-5]

C₉H₁₀O M 134.1

Oil.

Paquette, L.A. et al, *J.O.C.*, 1994, **59**, 5700

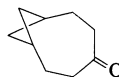
(synth, ir, pmr, cmr)

Bicyclo[5.1.1]nonane-3,5-dione B-1-00093C₉H₁₂O₂ M 152.1Cryst. solid (Et₂O). Mp 98-99°.Paquette, L.A. et al, *J.O.C.*, 1994, **59**, 5700

(synth, ir, pmr, cmr)

Bicyclo[5.1.1]nonan-4-one B-1-00094

B-1-00094

C₉H₁₄O M 138.2

Solid. Mp 89-91°.

Paquette, L.A. et al, *J.O.C.*, 1994, **59**, 5700

(synth, pmr, ir, cmr)

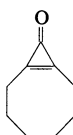
Bicyclo[6.1.0]non-1(8)-en-9-one, 8CI

B-1-00095

Cyclooctanocyclopropanone.

Hexamethylenecyclopropanone

[30493-03-9]

C₉H₁₂O M 136.1Unstable yellow liq. Bp_{0.05} 110°.

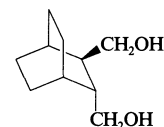
2,4-Dinitrophenylhydrazone: [30493-04-0].

Red solid (EtOH). Mp 198.5-199.5°.

Wittig, G. et al, *Annalen*, 1970, **741**, 79 (synth, ir, pmr)Gleiter, R. et al, *Synthesis*, 1995, 969 (synth, pmr, cmr)**Bicyclo[2.2.2]octane-2,3-dimethanol, 9CI**

B-1-00096

2,3-Bis(hydroxymethyl)bicyclo[2.2.2]octane



(2R,3R)-form

C₁₀H₁₈O₂ M 170.2

(2R,3R)-form [57222-03-4]

(+) -trans-form

Needles. Mp 111.5°. [α]_D²⁰ + 101 (c, 0.5 in CHCl₃).

(2RS,3RS)-form [65830-47-9]

(±) -trans-form

Cryst. Mp 86°.

(2RS,3SR)-form [65942-08-7]

cis-form

Cryst. Mp 88-89°.

Collet, A. et al, *Bull. Soc. Chim. Fr.*, 1977, 494 (synth)Brouwer, H. et al, *Org. Magn. Reson.*, 1977, **9**, 360 (cmr)Lok, K.P. et al, *J.A.C.S.*, 1985, **107**, 2521

(synth, pmr)

Consiglio, G. et al, *Organometallics*, 1991, **10**, 2046 (synth)Waldmann, H. et al, *Helv. Chim. Acta*, 1994, **77**, 2111 (synth)**Bicyclo[4.1.1]oct-4-en-3-one, 9CI**

B-1-00097

Bicyclo[4.1.1]oct-3-en-4-one (incorr.)

[166803-23-2]

C₈H₁₀O M 122.1

(±)-form

Solid. Mp 38.5-39.5°. Bp_{1.5} 35-40° (bulb).Paquette, L.A. et al, *J.O.C.*, 1994, **59**, 5700

(synth, pmr, cmr)

Bicyclo[1.1.1]pentane-1-thiol, 9CI

B-1-00098

1-Mercaptobicyclo[1.1.1]pentane

C₅H₈S M 100.1

S-Ph: [98585-81-0]. 1-(Phenylthio)

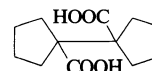
bicyclo[1.1.1]pentane, 9CI

C₁₁H₁₂S M 176.2 Liq.Semmler, K. et al, *J.A.C.S.*, 1985, **107**, 6410 (S-Ph, synth, pmr, cmr)Wiberg, K.B. et al, *J.A.C.S.*, 1990, **112**, 2194

(S-Ph, synth, pmr)

Toops, D.S. et al, *J.O.C.*, 1993, **58**, 6505 (S-Ph, synth)**[1,1'-Bicyclopentyl]-1,1'-dicarboxylic acid, 9CI**

B-1-00099

C₁₂H₁₈O₄ M 226.2

Cryst. (AcOH aq. or MeOH). Mp 202-204° (157-158.5°, 170-174°). pK_{a1} 5.87; pK_{a2} 9.83 (20°, 50% EtOH aq.).

Di-Me ester:

$C_{14}H_{22}O_4$ M 254.3 Syrup. d_4^{20} 1.0706. Bp₁₁ 159-167°. n_D^{20} 1.4730.

Dinitrile: [85688-88-6]. 1,1'-Dicyano-1,1'-bicyclopentyl

$C_{12}H_{16}N_2$ M 188.2 Cryst. (petrol or Et₂O). Mp 98.5-99° (94-96°).

Overberger, C.G. *et al.*, *J.A.C.S.*, 1951, **73**, 4883 (*dinitrile*)

Overberger, C.G. *et al.*, *J.O.C.*, 1955, **20**, 1717 (*synth*)

Eberson, L., *Acta Chem. Scand.*, 1959, **13**, 40, 211 (*pKa*)

Tan, B.G. *et al.*, *J.C.S. Perkin 2*, 1990, 2031; 1991, 937 (*dinitrile*, *ir*, *Raman*)

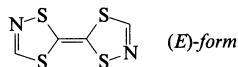
Kohl, L.L. *et al.*, *Acta Cryst. C*, 1992, **48**, 1641 (*cryst struct*, *dinitrile*)

[156119-21-0, 156119-24-3]

Hellberg, J. *et al.*, *Chem. Comm.*, 1994, 817 (*synth*, *pmr*, *cmr*, *ms*, *use*)

5,5'-Bi(1,4,2-dithiazol-5-ylidene) B-1-00103

5-(1,4,2-Dithiazol-5-ylidene)-1,4,2-dithiazole, 9CI



$C_4H_2N_2S_4$ M 206.3

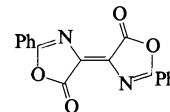
Obt. as mixt. of *E* and *Z*-forms. Electron donor. Red solid.

[155934-53-5, 155934-54-6]

Oakley, R.T. *et al.*, *J.O.C.*, 1994, **59**, 2997 (*synth*, *cryst struct*, *w*, *pmr*, *cmr*, *ms*)

Δ^{4,4}-Bi(5-oxo-2-phenyl-4(5*H*)-oxazole) B-1-00106

4-(5-Oxo-2-phenyl-4(5*H*)-oxazolylidene)-2-phenyl-5(4*H*)-oxazolone, 9CI. Hippurorubrine [72884-72-1]



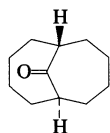
$C_{18}H_{16}N_2O_4$ M 318.2

(±)-*form*

Obt. from *N*-Benzoylglycine, B-0-01282. Red cryst. (diphenyl ether). Mp 305-308° dec.

Stachel, H.-D. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1979, **312**, 968 (*synth*, *cryst struct*, *w*, *ir*)

Bicyclo[4.4.1]undecan-11-one B-1-00100



$C_{11}H_{18}O$ M 166.2

(1*RS*,6*RS*)-*form*

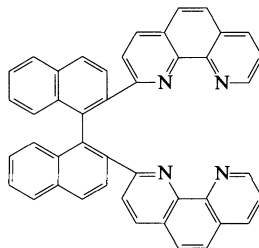
trans-form

Strained 'inside-outside' bicyclo system. Model for ingenane diterpenes. No phys. props. reported.

Winkler, J.D. *et al.*, *J.A.C.S.*, 1994, **116**, 4183 (*synth*, *pmr*, *cmr*)

2,2'-[1,1'-Binaphthalene]-2,2'-diylbis-1,10-phenanthroline, B-1-00104

9CI



$C_{44}H_{26}N_4$ M 610.7 Helically chiral ligand.

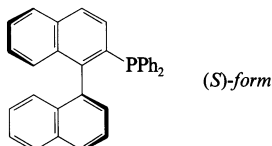
(±)-*form* [155351-45-4]

Cryst. as dihydrate (MeOH). Mp 360-362° dec.

Judice, J.K. *et al.*, *Chem. Comm.*, 1993, 1323 (*synth*)

[1,1'-Binaphthalen-2-yl]diphenylphosphine B-1-00105

2-(Diphenylphosphino)-1,1'-binaphthalene



$C_{32}H_{23}P$ M 438.5

(*S*)-*form* [156456-77-8]

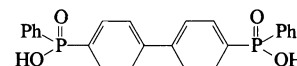
$[\alpha]_D^{20} +102.4$ (c, 2.03 in CHCl₃).

P-Oxide: [132532-07-1].

$C_{32}H_{23}OP$ M 454.5 $[\alpha]_D^{20} +15.5$ (c, 0.77 in CH₂Cl₂).

Uozumi, Y. *et al.*, *Tetrahedron*, 1994, **50**, 4293 (*synth*, *pmr*, *P-31 nmr*)

[1,1'-Biphenyl]-4,4'-diyl(phenylphosphinic acid) B-1-00107



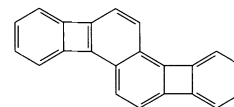
$C_{24}H_{20}O_4P_2$ M 434.3

Solid. Mp 213-215°.

Baldwin, R.A. *et al.*, *J.O.C.*, 1967, **32**, 1572.

Biphenyleno[2,1-*a*]biphenylene B-1-00108

[157722-35-5]



$C_{22}H_{12}$ M 276.3

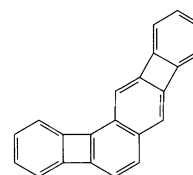
Deep red cryst. Mp >200°. Part. dec. >150°.

Shepherd, M.K., *J.C.S. Perkin 1*, 1994, 1055 (*synth*, *pmr*)

Biphenyleno[2,3-*a*]biphenylene, B-1-00109

9CI

[107369-34-6]



$C_{22}H_{12}$ M 276.3

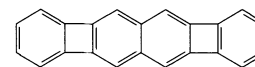
Deep yellow cryst. (hexane). Mp 187-189°.

Barton, J.W. *et al.*, *J.C.S. Perkin 1*, 1986, 967.

Biphenyleno[2,3-*b*]biphenylene, B-1-00110

9CI

[87837-26-1]



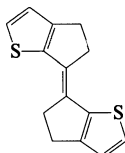
$C_{22}H_{12}$ M 276.3

Pale yellow leaflets. Mp >360°.

6,6'-Bi(4,5-dihydro-6*H*-cyclopenta[*b*]thienylidene) B-1-00101

6-(4,5-Dihydro-6*H*-cyclopenta[*b*]thien-6-ylidene)-5,6-dihydro-4*H*-cyclopenta[*b*]thiophene, 9CI

[158962-72-2]



$C_{14}H_{12}S_2$ M 244.3

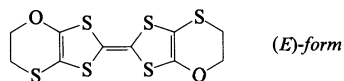
(*E*)-*form*

Orange powder. Mp 205°.

Roncali, J. *et al.*, *Chem. Comm.*, 1994, 2249 (*synth*, *pmr*)

2,2'-Bi(5,6-dihydro-1,3-dithiol[4,5-*b*][1,4]oxathiin-2-ylidene) B-1-00102

2-(5,6-Dihydro-1,3-dithiol[4,5-*b*][1,4]oxathiin-2-ylidene)-5,6-dihydro-1,3-dithiol[4,5-*b*][1,4]oxathiin, 9CI. Bis(dihydro-1,4-oxathiino) tetrathiafulvalene



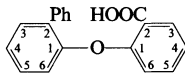
$C_{10}H_8O_2S_6$ M 352.5

Donor for cation radical salts. Obt. as mixt. of (*E*)- and (*Z*)-isomers which could not be separated.

Helson, H.E. *et al*, *Angew. Chem., Int. Ed.*, 1985, **24**, 114 (*synth*)
 Barton, J.W. *et al*, *J.C.S. Perkin I*, 1986, 967 (*synth, pmr*)

2-(2-Biphenyloxy)benzoic acid **B-1-00111**

2-(2-Phenylphenoxy)benzoic acid. 2'-Phenyldiphenyl ether-2-carboxylic acid



$C_{19}H_{14}O_3$ M 290.3
 Needles (C_6H_6 /hexane). Mp 156-157°.

Troshchenko, A.T., *Zh. Obshch. Khim.*, 1957, **27**, 967; *J. Gen. Chem. USSR (Engl. Transl.)*, 1957, **27**, 1047 (*synth*)

2-(4-Biphenyloxy)benzoic acid **B-1-00112**

2-(4-Phenylphenoxy)benzoic acid. 4'-Phenyldiphenyl ether-2-carboxylic acid

$C_{19}H_{14}O_3$ M 290.3
 Needles (C_6H_6 /petrol). Mp 148-150°. Gives yellow colour in H_2SO_4 .

Troshchenko, A.T., *Zh. Obshch. Khim.*, 1957, **27**, 967; *J. Gen. Chem. USSR (Engl. Transl.)*, 1957, **27**, 1047 (*synth*)
 Mustafa, A. *et al*, *J.O.C.*, 1960, **25**, 1519 (*synth*)

4-(2-Biphenyloxy)benzoic acid **B-1-00113**

4-(2-Phenylphenoxy)benzoic acid. 2'-Phenyldiphenyl ether-4-carboxylic acid

[125038-78-0]
 $C_{19}H_{14}O_3$ M 290.3
 Monomer for polyether ketones. Pale orange cryst. (EtOH aq.). Mp 160-161°.

Ueda, M. *et al*, *Polym. J. (Tokyo)*, 1989, **21**, 673 (*synth, ir*)

4-(4-Biphenyloxy)benzoic acid **B-1-00114**

4-(4-Phenylphenoxy)benzoic acid. 4'-Phenyldiphenyl ether-4-carboxylic acid

[48193-94-8]
 $C_{19}H_{14}O_3$ M 290.3
 Cryst. (2-dichlorobenzene). Mp 243-244°.
Me ester: [48198-80-7].

$C_{20}H_{16}O_3$ M 304.3 Pseudoretinoid.
 Cryst. (hexane/Et₂O). Mp 158-160°.

Et ester: [48203-16-3].
 $C_{21}H_{18}O_3$ M 318.3 Cryst. Mp 75.5-76.5°.

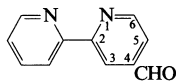
Chloride: [39033-48-2].
 $C_{19}H_{13}ClO_2$ M 308.7 Cryst. Mp 93.5-94.5°.

U.S. Pat., 4 229 564, (1980); *CA*, **94**, 84840a (*synth, esters, chloride, ir*)

Sutherland, D.M. *et al*, *Macromolecules*, 1985, **18**, 2669 (*Me ester*)

Torrado, A. *et al*, *Synthesis*, 1995, 285 (*Me ester*)

[2,2'-Bipyridine]-4-carboxaldehyde, 9CI **B-1-00115**
 4-Formyl-2,2'-bipyridine
 [146581-82-0]



$C_{11}H_8N_2O$ M 184.1
 Solid. Mp 84.8-86.0°.

Imperiali, B. *et al*, *J.O.C.*, 1993, **58**, 1613 (*synth, pmr, cmr, ir, w*)

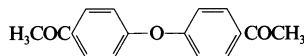
[2,2'-Bipyridine]-6-carboxaldehyde, 9CI **B-1-00116**
 6-Formyl-2,2'-bipyridine
 [134296-07-4]

$C_{11}H_8N_2O$ M 184.1
 Oil.

Phenylhydrazone: [134296-08-5].
 Yellow solid (EtOH aq.). Mp 125-127°.

Goodwin, H.A. *et al*, *Aust. J. Chem.*, 1991, **44**, 331 (*synth, ir, pmr*)

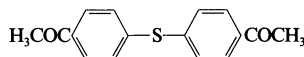
Bis(4-acetylphenyl) ether **B-1-00117**
 4',4'''-Oxydiacetophenone, 8CI. 4,4'-Diacetyldiphenyl ether
 [2615-11-4]



$C_{16}H_{14}O_3$ M 254.2
 Mp 100-101°.

Royles, B.J.L. *et al*, *J.C.S. Perkin I*, 1994, 355 (*synth*)

Bis(4-acetylphenyl) sulfide **B-1-00118**
 4',4'''-Thiodiacetophenone, 8CI. 4,4'-Diacetyldiphenyl sulfide
 [2615-09-0]

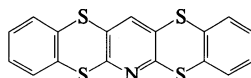


$C_{16}H_{14}O_2S$ M 270.3
 Mp 90-91° (85-87°).

S,S-Dioxide: Bis(4-acetylphenyl) sulfone
 $C_{16}H_{14}O_4S$ M 302.3 Cryst. (AcOH aq.). Mp 209°.

Royles, B.J.L. *et al*, *J.C.S. Perkin I*, 1994, 355 (*synth, pmr*)

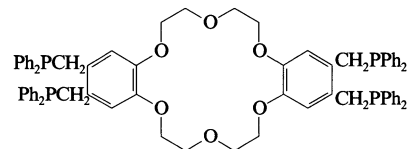
Bis[1,4]benzodithiino[2,3-b:2',3'-e]pyridine, 9CI **B-1-00119**
 6-Aza-5,7,12,14-tetrathiapentacene
 [158696-60-7]



$C_{17}H_9NS_4$ M 355.5
 Cryst. (toluene). Mp 247°.

Marti, C. *et al*, *J.O.C.*, 1994, **59**, 6200 (*synth, pmr, cmr, ms, cryst struct, epr*)

Bis[4,5-bis(diphenylphosphino)benzo]-18-crown-6 **B-1-00120**
 [(6,7,9,10,17,18,20,21-Octahydrodibenzo[b,k][1,4,7,10,13,16]hexaoxacyclooctadecin-2,3,13,14-tetrayl)]tetrakis(methylene)tetrakis(diphenylphosphine)



$C_{72}H_{68}O_6P_4$ M 1153.2

Tetraoxide: [88928-02-3].
 $C_{72}H_{68}O_{10}P_4$ M 1217.2 Selectively extracts U(VI) and Pu(IV) from Am(III) in 3M HNO_3 . Cryst. (EtOH/ $CHCl_3$). Mp > 325°.

Myasaedov, B.F. *et al*, *Solvent Extr. Ion Exch.*, 1983, **1**, 689 (*props, use*)

Bodrin, G.V. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1984, 1841; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1984, 1682 (*oxide, synth*)

1,2-Bis(1-bromoethyl)benzene **B-1-00121**
 [58083-44-6]



$C_{10}H_{12}Br_2$ M 292.0
 Prisms (CH_2Cl_2). Mp 91°. Mixt. of stereoisomers.

[147008-27-3, 147008-28-4]

Deluchat, R., C. R. *Hebd. Seances Acad. Sci.*, 1931, **192**, 1387 (*synth*)

Klimovitskii, E.N. *et al*, *Zh. Org. Khim.*, 1992, **28**, 253 (*synth, resoln*)

Eru, E. *et al*, *Tetrahedron*, 1995, **51**, 3033 (*synth, pmr*)

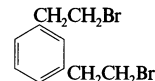
1,4-Bis(1-bromoethyl)benzene **B-1-00122**
 [17194-87-5]

$C_{10}H_{12}Br_2$ M 292.0
 Cryst. (Et₂O). Mp 112°.

Ingle, H., *Ber.*, 1894, **27**, 2526 (*synth*)

Davy, J.R. *et al*, *Aust. J. Chem.*, 1979, **32**, 1067 (*synth*)

1,3-Bis(2-bromoethyl)benzene **B-1-00123**
 [103199-07-1]



$C_{10}H_{11}Br_2$ M 291.0
 Oil. Bp_{0.05} 110-119°.

Ruggli, P. *et al*, *Helv. Chim. Acta*, 1945, **28**, 674 (*synth*)

Bis(2-bromoethyl)selenide **B-1-00124**
 1,1'-Selenobis[2-bromoethane], 9CI. 2,2'-Dibromodiethyl selenide
 [41294-57-9]



$C_4H_8Br_2Se$ M 294.8

Yellow needles (EtOH). Mp 44.2°.

Dichloride:

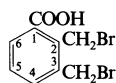
$C_4H_8Br_2Cl_2Se$ M 365.7 Pale yellow prisms (CHCl₃). Mp 98-99°.

Dibromide: Dibromobis(2-bromoethyl)(T-4) selenium, 9CI

$C_4H_8Br_4Se$ M 454.6 Bright yellow prisms (CHCl₃). Mp 118°.

Bell, H.C. *et al*, *J.C.S.*, 1925, 1877 (*synth*)

2,3-Bis(bromomethyl)benzoic acid B-1-00125



$C_9H_8Br_2O_2$ M 307.9

Nitrile: [66126-18-9]. 1,2-Bis(bromomethyl)-3-cyanobenzene

$C_9H_7Br_2N$ M 288.9 Cryst. (MeOH). Mp 93°.

Eru, E. *et al*, *Tetrahedron*, 1995, **51**, 3033 (*synth*, *pmr*)

2,4-Bis(bromomethyl)benzoic acid B-1-00126

$C_9H_8Br_2O_2$ M 307.9

Me ester: [63112-94-7].

$C_{10}H_{10}Br_2O_2$ M 321.9 Oil.

Newman, M.S. *et al*, *J.A.C.S.*, 1968, **90**, 4410 (*synth*)

Meyer, A. *et al*, *Chem. Ber.*, 1977, **110**, 1403 (*synth*)

2,5-Bis(bromomethyl)benzoic acid B-1-00127

[148692-70-0]

$C_9H_8Br_2O_2$ M 307.9

Me ester: [74725-06-7].

$C_{10}H_{10}Br_2O_2$ M 321.9 Cryst. (cyclohexane). Mp 83°.

Hibert, M. *et al*, *J.O.C.*, 1980, **45**, 4496 (*Me ester*, *synth*, *pmr*)

Benniston, A.C. *et al*, *Synlett*, 1993, 223 (*synth*, *ir*, *pmr*)

2,6-Bis(bromomethyl)benzoic acid B-1-00128

[56263-54-8]

$C_9H_8Br_2O_2$ M 307.9

Cryst. (Me₂CO). Mp 120° dec.

Me ester: [56263-51-5].

$C_{10}H_{10}Br_2O_2$ M 321.9 Cryst. (CH₂Cl₂/MeOH). Mp 74-76°.

Nitrile: [33875-63-7]. 1,3-Bis(bromomethyl)-2-cyanobenzene

$C_9H_7Br_2N$ M 288.9 Cryst. (CHCl₃). Mp 98-101°.

Vögtle, F. *et al*, *Chem. Ber.*, 1972, **105**, 2955; 1975, **108**, 1694.

3,4-Bis(bromomethyl)benzoic acid B-1-00129

[20896-24-6]

$C_9H_8Br_2O_2$ M 307.9

Cryst. Mp 170-177°.

Me ester: [20896-23-5].

$C_{10}H_{10}Br_2O_2$ M 321.9 Cryst. (petrol). Mp 74.5-75°.

[66126-17-8]

Wynberg, H. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1968, **87**, 1006 (*synth*, *Me ester*, *w*, *ir*, *pmr*)

Rogers, G.A., *Anal. Biochem.*, 1977, **78**, 406.

3,5-Bis(bromomethyl)benzoic acid B-1-00130

[94111-75-8]

$C_9H_8Br_2O_2$ M 307.9

Cysteine crosslinking agent. Needles (EtOAc/hexane). Mp 161-163°.

Me ester: [29333-41-3].

$C_{10}H_{10}Br_2O_2$ M 321.9 Cryst. (Et₂O). Mp 100-101°.

Nitrile: [74163-48-7]. 1,3-Bis(bromomethyl)-5-cyanobenzene

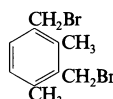
$C_9H_7Br_2N$ M 288.9 Cryst. (CCl₄/hexane). Mp not given.

Staab, H.A. *et al*, *Annalen*, 1979, 886 (*synth*, *Me ester*, *pmr*)

Engel, M. *et al*, *Tetrahedron*, 1993, **49**, 8761 (*synth*, *pmr*)

Karlin, K.D. *et al*, *J.A.C.S.*, 1994, **116**, 1324 (*synth*, *nitrile*, *pmr*)

1,3-Bis(bromomethyl)-2,4-dimethylbenzene B-1-00131



$C_{10}H_{12}Br_2$ M 292.0

Mp 69°.

Grimme, S. *et al*, *J.A.C.S.*, 1995, **117**, 157 (*synth*, *pmr*, *cmr*, *ms*)

2,5-Bis(bromomethyl)-1,3-dimethylbenzene B-1-00132

[148873-79-4]

$C_{10}H_{12}Br_2$ M 292.0

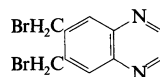
Cryst. (cyclohexane). Mp 140-142°.

Lai, Y.-H. *et al*, *J.C.S. Perkin 2*, 1993, 703 (*synth*, *ir*, *pmr*, *ms*)

Lai, Y.-H. *et al*, *J.O.C.*, 1994, **59**, 3381 (*synth*)

6,7-Bis(bromomethyl)quinoxaline, 9CI B-1-00133

[143154-10-3]

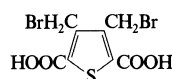


$C_{10}H_8Br_2N_2$ M 315.9

Amber oil.

Baudy, R.B. *et al*, *J. Med. Chem.*, 1993, **36**, 331 (*synth*, *pmr*)

3,4-Bis(bromomethyl)-2,5-thiophenedicarboxylic acid B-1-00134



$C_8H_6Br_2O_4S$ M 358.0

Di-Me ester:

$C_{10}H_{10}Br_2O_4S$ M 386.0 Cryst. (MeOH/petrol). Mp 124.5-126°.

Dinitrile: [155632-48-7]. 3,4-

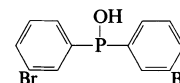
Bis(bromomethyl)-2,5-dicyanothiophene

$C_8H_4Br_2N_2S$ M 320.0 Cryst. (MeOH). Mp 127-129°.

Wynberg, H. *et al*, *J.O.C.*, 1964, **29**, 1919 (*Di-Me ester*, *synth*, *w*, *pmr*)

Beye, N. *et al*, *J.O.C.*, 1994, **59**, 2223 (*dinitrile*, *synth*, *pmr*, *ir*, *w*, *ms*)

Bis(3-bromophenyl)phosphinous acid, 9CI B-1-00135



$C_{12}H_9Br_2OP$ M 359.9

Tautomeric.

Et ester: [13685-48-8]. Ethyl bis(3-

bromophenyl)phosphinite $C_{14}H_{13}Br_2OP$ M 388.0 Liq. d_4^{20} 1.54. Bp₂ 162-164°. n_D^{20} 1.6296.

Chloride: [13685-29-5]. Bis(3-bromophenyl)chlorophosphine

$C_{12}H_8Br_2ClP$ M 378.4 Liq. with strong odour. d_4^{20} 1.72. Bp₃ 175-176°. n_D^{20} 1.6724.

Yudina, K.S. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1966, 1954; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1966, 1889 (*synth*)

Bis(4-bromophenyl)phosphinous acid B-1-00136

$C_{12}H_9Br_2OP$ M 359.9

Et ester: [13792-91-1]. Ethyl bis(4-

bromophenyl)phosphinite $C_{14}H_{13}Br_2OP$ M 388.0 Liq. d_4^{20} 1.51 (1.37). Bp₅ 200-203°, Bp₂ 154-156°. n_D^{20} 1.6261.

Propyl ester: [23055-23-4]. Propyl bis(4-

bromophenyl)phosphinite $C_{15}H_{15}Br_2OP$ M 402.0 Liq. d_4^{20} 1.47. Bp₅ 205-207°. n_D^{20} 1.6142.

Ph ester: [65924-33-6]. Phenyl bis(4-

bromophenyl)phosphinite $C_{18}H_{13}Br_2OP$ M 436.0 Bp_{0.6} 210-214°. n_D^{20} 1.6600.

Chloride: [13685-28-4]. Bis(4-bromophenyl)chlorophosphine

$C_{12}H_8Br_2ClP$ M 378.4 Solid. Mp 72-75°. Bp₃ 177-179°.

Yudina, K.S. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1966, 1954; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1966, 1889 (*chloride*, *ester*)

Kamai, G. *et al*, *Zh. Obshch. Khim.*, 1969, **39**, 625; *J. Gen. Chem. USSR (Engl. Transl.)*, 1969, **39**, 592 (*Et ester*, *chloride*)

Kharrasova, F.M. *et al*, *Zh. Obshch. Khim.*, 1978, **48**, 1046; *J. Gen. Chem. USSR (Engl. Transl.)*, 1978, **48**, 953 (*Ph ester*, *synth*, *P-31 nmr*)

Bis(carboxymethyl)phosphinic acid B-1-00137

2,2'-Phosphinobisacetic acid

[134150-73-5]

(HOOCCH₂)₂P(O)OH

C₄H₈O₆P M 182.0
Solid. Mp 108-110°.

Di-Me ester: [126443-46-7]. *1,1'-Dimethyl 2,2'-phosphinobisacetate*

C₆H₁₁O₆P M 210.1 Solid. Mp 63-64°.

C-Di-Me ester, P-trimethylsilyl ester:

C₉H₁₉O₆PSi M 282.3 Liq. Bp_{0.6} 110°.

Majewski, P., *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1989, **45**, 151 (*ester, synth, ir, pmr, P-31 nmr*)

Bondarenko, N.A. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **56**, 179 (*synth, P-31 nmr*)

Bis(2-chloroethyl) selenide B-1-00138

1,1'-Selenobis[2-chloroethane]



C₄H₈Cl₂Se M 205.9
Needles. Mp 24.2°. Unstable.

Se,Se-Dichloride:

C₄H₈Cl₄Se M 276.8 Long prisms
(CHCl₃). Mp 122.5°.

Se,Se-Dibromide:

C₄H₈Br₂Cl₂Se M 365.7 Pale yellow
prisms (CHCl₃). Mp 117° dec.

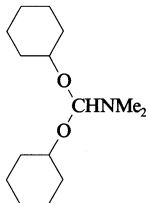
Bausor, H.W. *et al*, *J.C.S.*, 1920, **117**, 1453
(*dichloride*)

Bell, H.C. *et al*, *J.C.S.*, 1925, **27**, 1877 (*synth*)

1,1-Bis(cyclohexyloxy) trimethylamine, 8CI B-1-00139

1,1-Bis(cyclohexyloxy)-N,N-dimethylmethanamine, 9CI.

Dimethylformamide dicyclohexyl acetal
[2016-05-9]



C₁₅H₂₉NO₂ M 255.4

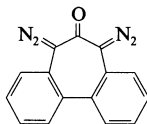
Dye intermed. d 0.96. Bp_{0.75} 115-116°. n_D²⁰
1.4685.

Arnold, Z. *et al*, *Coll. Czech. Chem. Comm.*,
1964, **29**, 645.

Swiss Pat., 384 564, (1965); *CA*, **62**, 16135h
(*manuf*)

5,7-Bis(diazo)-5,7-dihydro-6H-dibenzo[a,c]cyclohept-6-one, 9CI B-1-00140

[166042-86-0]



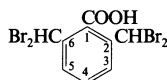
C₁₅H₈N₄O M 260.2

Orange solid. Mp 164-165° dec.

Tomioka, H. *et al*, *J.O.C.*, 1995, **60**, 2344
(*synth, pmr, ir*)

2,6-Bis(dibromomethyl) benzoic acid, 9CI B-1-00141

[14346-75-9]



C₉H₆Br₄O₂ M 465.7
Mp 203-206°.

Francis, J.E. *et al*, *Can. J. Chem.*, 1979, **57**,
3320 (*synth*)

3,4-Bis(dibromomethyl) benzoic acid, 9CI B-1-00142

[19047-21-3]

C₉H₆Br₄O₂ M 465.7
Cryst. (CHCl₃/Me₂CO). Mp 224-226°.

Amano, T. *et al*, *Yakugaku Zasshi*, 1968, **88**,
247; *CA*, **69**, 59029u (*synth, pmr*)

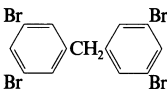
Kleisch, H. *et al*, *Annalen*, 1995, 1269 (*synth, ir, pmr, ms*)

Bis(3,5-dibromophenyl) methane B-1-00143

1,1'-Methylenebis[3,5-dibromobenzene], 9CI.

3,3',5,5'-Tetrabromodiphenylmethane

[160976-67-0]



C₁₃H₈Br₄ M 483.8
Cryst. Mp 192-193°.

Rajca, A. *et al*, *J.O.C.*, 1994, **59**, 7701 (*synth, ms, pmr, cmr, ir*)

Bis(di-tert-butylphosphino) methyl]methylphosphine B-1-00144

Bis[[bis(1,1-dimethylethyl)phosphino]methyl]methylphosphine, 9CI

[153995-47-2]



C₁₉H₄₃P₃ M 364.4
Solid. Mp 112°.

Trisulfide: [153995-48-3]. *Bis[[bis(1,1-dimethylethyl)phosphinothioyl]methyl]methylphosphine sulfide*

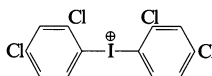
C₁₉H₄₃P₃S₃ M 460.6 Cryst. (Et₂O).

Krill, J. *et al*, *Chem. Ber.*, 1993, **126**, 2379
(*synth, ms, pmr, cmr, P-31 nmr*)

Bis(2,4-dichlorophenyl) iodonium(1+), 9CI B-1-00145

Feniodium(1+)

[71585-34-7]



C₁₂H₆Cl₄I[⊕] M 418.8 (ion)

Chloride: [34563-73-0]. *Feniodium chloride, INN. Chlodophen*

C₁₂H₆Cl₅I M 454.3 Anthelmintic.

▶ LD₅₀ (mus, ipr) 250 mg/kg. NN6300000.
[34106-48-4]

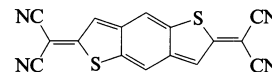
Pershin, G.N. *et al*, *CA*, 1971, **75**, 61988
(*pharmacol*)

Nilsson, C.-A. *et al*, *Chemosphere*, 1977, **6**, 599
(*synth*)

2,6-Bis(dicyanomethylene)-2,6-dihydrobenzo[1,2-b:4,5-b']dithiophene B-1-00146

2,2'-Benzo[1,2-b:4,5-b']dithiophene-2,6-diylidenebispropanedinitrile, 9CI

[153288-76-7]



C₁₆H₄N₄S₂ M 316.3

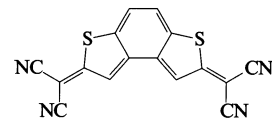
Electron acceptor, forms electrically
conductive charge-transfer complexes with
electron donors. Deep violet fine cryst.
(CH₂Cl₂). Mp > 300°.

Yoshida, S. *et al*, *J.O.C.*, 1994, **59**, 3077 (*synth, uv, ir, use*)

2,7-Bis(dicyanomethylene)-2,7-dihydrobenzo[1,2-b:3,4-b']dithiophene B-1-00147

2,2'-Benzo[1,2-b:3,4-b']dithiophene-2,7-diylidenebispropanedinitrile, 9CI

[156355-42-9]



C₁₆H₄N₄S₂ M 316.3

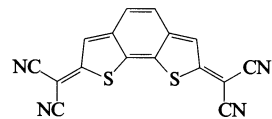
Electron acceptor, forms electrically
conductive charge-transfer complexes.
Fine green cryst. Mp > 300° dec. Solns.
are air sensitive.

Yoshida, S. *et al*, *J.O.C.*, 1994, **59**, 3077 (*synth, uv, ir, use*)

2,7-Bis(dicyanomethylene)-2,7-dihydrobenzo[2,1-b:3,4-b']dithiophene B-1-00148

2,2'-Benzo[2,1-b:3,4-b']dithiophene-2,7-diylidenebispropanedinitrile, 9CI

[156355-41-8]



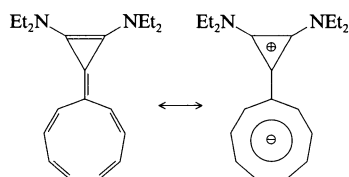
C₁₆H₄N₄S₂ M 316.3

Electron acceptor, forms conducting charge-
transfer complexes with many common
electron donors. Bluish-violet fine cryst.
(PhCl). Mp 226° dec.

Yoshida, S. *et al*, *J.O.C.*, 1994, **59**, 3077 (*synth, uv, ir, pmr, use*)

11,12-Bis(diethylamino) nonatriafulvalene

B-1-00149

 $C_{20}H_{28}N_2$ M 296.4

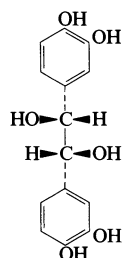
'Aromatic' nonafulvene showing delocalisation to a dipolar struct. Pale yellow cubes (CH_2Cl_2/Et_2O at -70°). Stable for several days at r.t. under Ar, polymerises rapidly in air.

Chai, S. *et al*, *Angew. Chem., Int. Ed.*, 1994, **33**, 973 (*synth, ir, uv, pmr, cmr*)

1,2-Bis(3,4-dihydroxyphenyl)-1,2-ethanediol

B-1-00150

4,4'-(1,2-Dihydroxy-1,2-ethanediyl)bis-1,2-benzenediol, 9CI
[74240-25-8]

(1*R**,2*R**)-form $C_{14}H_{14}O_6$ M 278.2(1*R**,2*R**)-form

3',3'',4',4''-Tetra-Me ether: 1,2-Bis(3,4-dimethoxyphenyl)-1,2-ethanediol.

Hydroveratrolin

$C_{18}H_{22}O_6$ M 334.3 [α]_D +135 (c, 3 in Me_2CO).

(1*S**,2*S**)-form

3',3'',4',4''-Tetra-Me ether: [α]_D -135 (c, 3 in Me_2CO).

(1*RS*,2*RS*)-form

(±)-form

3',3'',4',4''-Tetra-Me ether: Mp 150-170° (dehydrates). Crystallises as a conglomerate showing spontaneous resolution.

(1*RS*,2*SR*)-form

meso-form

3',3''-Di-Me ether: 1,2-Bis(4-hydroxy-3-methoxyphenyl)-1,2-ethanediol. meso-Hydrovanilloin

 $C_{16}H_{18}O_6$ M 306.3 Mp 229-232°.

3',3'',4',4''-Tetra-Me ether: Cryst. Mp 210-211°.

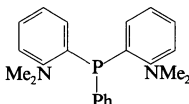
Grimshaw, J. *et al*, *J.C.S.(C)*, 1966, 653 (*synth, bibl*)

Karlsson, O. *et al*, *Acta Chem. Scand.*, 1993, **47**, 728 (*synth, cryst struct, tetra-Me ether*)

Bis[2-(dimethylamino)phenyl] phenylphosphine

B-1-00151

2,2'-(Phenylphosphinidene)bis[N,N-dimethylbenzenamine]
[4551-07-9]

 $C_{22}H_{25}N_2P$ M 348.4

Ligand for Pd, Pt and Ir. Complexes used in chemoselective and enantioselective hydrogenations. Cryst. ($EtOH$ aq.). Mp 95° (82-85°).

Phenylmethobromide:

$C_{20}H_{33}BrN_2P$ M 519.4 Solid. Mp 254-257°.

Fritz, H.P. *et al*, *J.C.S.*, 1965, 5210 (*synth, complexes*)

Horner, L. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1983, **15**, 165 (*synth*)

Cairns, S.M. *et al*, *Heteroat. Chem.*, 1990, **1**, 9 (*synth, deriv, uv, ir, pmr, cmr, P-31 nmr*)

Mashima, K. *et al*, *J. Organomet. Chem.*, 1992, **428**, 213 (*complex, use*)

Zhang, X. *et al*, *J.A.C.S.*, 1993, **115**, 3318

(complex, use)

Zhang, X. *et al*, *Tetrahedron: Asymmetry*, 1994, **5**, 1179 (*complex, use*)

Bis[3-(dimethylamino)phenyl] phenylphosphine

B-1-00152

3,3'-(Phenylphosphinidene)bis[N,N-dimethylbenzenamine], 9CI
[79462-60-5]

 $C_{22}H_{25}N_2P$ M 348.4

P-Oxide: [131981-42-5]. 3,3'-(Phenylphosphinylidene)bis[N,N-dimethylbenzenamine]

$C_{22}H_{25}N_2OP$ M 364.4 Cryst. (Me_2CO). Mp 169-171°.

Pervukhina, I.N. *et al*, *Zh. Obshch. Khim.*, 1990, **60**, 1558; *J. Gen. Chem. USSR (Engl. Transl.)*, 1990, **60**, 1392 (*synth, cmr*)

Bis[4-(dimethylamino)phenyl] phenylphosphine

B-1-00153

4,4'-(Phenylphosphinidene)bis[N,N-dimethylbenzenamine]
[1100-11-4]

 $C_{22}H_{25}N_2P$ M 348.4

Ligand for Au. Cryst. ($EtOH$). Mp 151°.

Methiodide:

$C_{23}H_{28}IN_2P$ M 490.3 Cryst. (H_2O). Mp 160-168°.

Phenylmethobromide:

$C_{29}H_{32}BrN_2P$ M 519.4 Solid. Mp 270°.

P-Oxide: 4,4'-(Phenylphosphinylidene)bis[N,N-dimethylbenzenamine]

$C_{22}H_{25}N_2OP$ M 364.4 Cryst. ($MeOH$ aq.). Mp 203.5-204.5°.

P-Sulfide: [1100-95-4]. 4,4'-(Phenylphosphinothioylidene)bis[N,N-dimethylbenzenamine]

$C_{22}H_{25}N_2PS$ M 380.4 Cryst. (C_6H_6). Mp 219-220°.

Schiemenz, G.P., *Chem. Ber.*, 1965, **98**, 65 (*synth, derivs*)

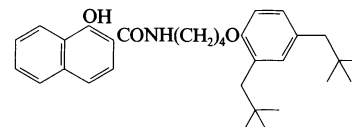
Horner, L. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1983, **15**, 165 (*synth*)

Cairns, S.M. *et al*, *Heteroat. Chem.*, 1990, **1**, 9 (*synth, derivs, uv, ir, pmr, cmr, P-31 nmr*)
Schmidbauer, H. *et al*, *Z. Naturforsch., B*, 1992, **47**, 1725 (*complexes*)

N-[4-[2,4-Bis(1,1-dimethylpropyl)phenoxy]butyl]-1-hydroxy-2-naphthalenecarboxamide, 9CI

B-1-00154

[32180-75-9]

 $C_{31}H_{41}NO_3$ M 475.6

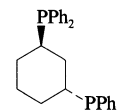
Colour photographic complex, reacting with oxidised colour developer to yield cyan indoaniline image dyes.

Texter, J., *J. Photogr. Sci.*, 1988, **36**, 14.

Luss, H.R. *et al*, *Acta Cryst. C*, 1991, **47**, 1491 (*cryst struct*)

1,3-Bis(diphenylphosphino) cyclohexane

B-1-00155

 $C_{30}H_{30}P_2$ M 452.5(1*RS*,3*RS*)-form

(±)-trans-form

Dioxide: [141874-91-1].

$C_{30}H_{30}O_2P_2$ M 484.5 Solid. Mp 282-283°.

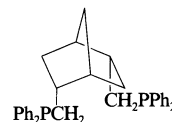
Morooka, M. *et al*, *Acta Cryst. C*, 1992, **48**, 1710 (*cryst struct*)

Hashimoto, T. *et al*, *Synlett*, 1992, 340 (*synth, ir*)

2,5-Bis[(diphenylphosphino) methyl]bicyclo[2.2.1]heptane

B-1-00156

[Bicyclo[2.2.1]heptane-2,5-diylbis(methylene)]bis(diphenylphosphine), 9CI
[76122-56-0]

 $C_{33}H_{34}P_2$ M 492.5(1*RS*,2*RS*,5*RS*)-form [80924-15-8]

(±)-endo,endo-form

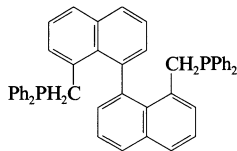
Viscous liq.

[72151-44-1, 125282-09-9, 133362-45-5]

Casey, C.P. *et al*, *J.O.C.*, 1990, **55**, 1394 (*synth, pmr, cmr, P-31 nmr*)

Miyazawa, M. *et al*, *Synlett*, 1990, **11**, 711 (*synth*)

8,8'-Bis[(diphenylphosphino)methyl]-1,1'-binaphthalene B-1-00157
[[1,1'-Binaphthalene]-8,8'-diylbis(methylene)]bis(diphenylphosphine), 9CI
[147151-95-9]

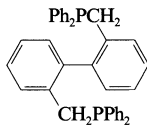


$C_{46}H_{36}P_2$ M 650.7
Solid. Mp 167-171°. Does not complex with Ni(II) or Pd(II).

Dioxide:
 $C_{46}H_{36}O_2P_2$ M 682.7 Solid. Mp 241-243°.

Widhalm, M. *et al*, *Monatsh. Chem.*, 1993, **124**, 103 (*synth, oxide, ms, pmr, P-31 nmr, cryst struct*)

2,2'-Bis[(diphenylphosphino)methyl]biphenyl B-1-00158
[[1,1'-Biphenyl]-2,2'-diylbis(methylene)]bis(diphenylphosphine), 9CI
[111982-81-1]

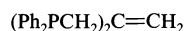


$C_{38}H_{32}P_2$ M 550.6
Ligand for Mo and Rh. Complexes used in hydroformylation reaction.
[136379-28-7]

Herrmann, W.A. *et al*, *Inorg. Chem.*, 1991, **30**, 4271 (*synth, ir, ms, pmr, cmr, P-31 nmr, complexes, cryst struct*)

Casey, C.P. *et al*, *J.A.C.S.*, 1992, **114**, 5535, 10680 (*complexes, use*)

1,1-Bis[(diphenylphosphino)methyl]ethene B-1-00159
(2-Methylene-1,3-propanediyl)bis(diphenylphosphine)
[120658-80-2]



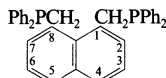
$C_{28}H_{26}P_2$ M 424.4
Ligand for Pt. Cryst. (Me₂CO/MeOH). Mp 79-80°. Converted into carbanion by Me₃SiCH₂K.

Bismethiodide: [120883-37-6]. (2-Methylene-1,3-propanediyl)bis(methyldiphenylphosphonium)diiodide
 $C_{30}H_{32}I_2P_2$ M 708.3 Solid. Mp 175-176°.

Disulfide: [120883-36-5].
 $C_{28}H_{26}P_2S_2$ M 488.5 Cryst. (Me₂CO/MeOH). Mp 125°.

Schmidbauer, H. *et al*, *Chem. Ber.*, 1989, **122**, 1851 (*synth, ir, ms, pmr, cmr, P-31 nmr*)
van Doorn, J.A. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1990, **109**, 302 (*carbanion*)
Shaw, B.L. *et al*, *J.C.S. Dalton*, 1992, 1929 (*complexes*)

1,8-Bis[(diphenylphosphino)methyl]naphthalene B-1-00160
1,8-Naphthalenebis(methylene)bis(diphenylphosphine)
[73892-41-8]



$C_{36}H_{30}P_2$ M 524.5
Dioxide: [88928-06-7]. 1,8-Bis[(diphenylphosphino)methyl]naphthalene
 $C_{36}H_{30}O_2P_2$ M 556.5 Cryst. (CHCl₃). Mp 356-357°. Poor extractant for transuranic elements.

Myasoedov, B.F. *et al*, *Solvent Extr. Ion Exch.*, 1983, **1**, 689 (*use*)

Bodrin, G.V. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1984, 1841; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1984, 1682.

Kasachnik, M.I., *Heteroat. Chem.*, 1991, **2**, 1 (*props, use*)

2,3-Bis[(diphenylphosphino)methyl]naphthalene B-1-00161
2,3-Naphthalenediylbis(methylene)bis(diphenylphosphine)

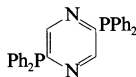
$C_{36}H_{30}P_2$ M 524.5
Dioxide: [88928-01-2]. 2,3-Bis[(diphenylphosphino)methyl]naphthalene
 $C_{36}H_{30}O_2P_2$ M 556.5 Selectively extracts U(VI) from Am(III), and Pu(IV) from Am(III) from acid soln. Cryst. (EtOH). Mp 286-287°.

Myasoedov, B.F. *et al*, *Solvent Extr. Ion Exch.*, 1983, **1**, 689 (*use*)

Bodrin, G.V. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1984, 1841; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1984, 1682 (*dioxide, synth*)

Kasachnik, M.I., *Heteroat. Chem.*, 1991, **2**, 1 (*props*)

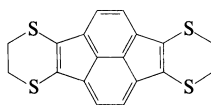
2,5-Bis(diphenylphosphino)pyridazine B-1-00162
2,5-Pyridiazinediylbis(diphenylphosphine), 9CI
[127322-11-6]



$C_{28}H_{22}N_2P_2$ M 448.4
Ligand for Mo, W and Cr. Pale yellow cryst. (Me₂CO/MeOH). Mp 129-130°.

Zhang, Z.-Z. *et al*, *J. Organomet. Chem.*, 1990, **381**, 45 (*synth, P-31 nmr, complexes, cryst struct*)

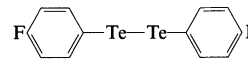
1,2:5,6-Bis(ethylenedithio)pyracylene B-1-00163



$C_{18}H_{12}S_4$ M 356.5
Electron donor. Reversible two-stage redox compd. Mp 199-201°. No colour mentioned.

Tani, H., *Bull. Chem. Soc. Jpn.*, 1995, **68**, 661 (*synth, uv, cmr, ms, cryst struct*)

Bis(4-fluorophenyl)ditelluride B-1-00164



$C_{12}H_8F_2Te_2$ M 445.3
Dark red cryst. Mp 66-67°.

Crich, D. *et al*, *J.A.C.S.*, 1994, **116**, 8937 (*synth, pmr*)

Bis(4-fluorophenyl)ethanedione, 9CI B-1-00165
4,4'-Difluorobenzil
[579-39-5]

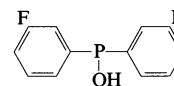


$C_{14}H_8F_2O_2$ M 246.2
Yellow needles (MeOH). Mp 120-122°.

Beak, P. *et al*, *J.O.C.*, 1976, **41**, 3389 (*synth, ir, pmr, ms*)

Bulman Page, P.C. *et al*, *Tetrahedron*, 1992, **48**, 7265 (*synth, ir, pmr*)

Bis(3-fluorophenyl)phosphinous acid B-1-00166



$C_{12}H_9F_2OP$ M 238.1
Free acid exists in tautomeric phosphoryl form.

Me ester: [23587-33-9]. Methyl bis(3-fluorophenyl)phosphinite
 $C_{13}H_{11}F_2OP$ M 252.2 Liq. Bp₉ 150°. n_D^{20} 1.5650.

Schindlbauer, H. *et al*, *Chem. Ber.*, 1969, **102**, 2914 (*methyl ester, synth, F-19 nmr*)

Kapoor, P.N. *et al*, *J. Organomet. Chem.*, 1984, **276**, 167 (*synth*)

Bis(4-fluorophenyl)phosphinous acid, 9CI B-1-00167
 $C_{12}H_9F_2OP$ M 238.1

Me ester: [25186-20-3]. Methyl bis(4-fluorophenyl)phosphinite
 $C_{13}H_{11}F_2OP$ M 252.2 Liq. Bp₁₁ 145-148°. n_D^{20} 1.5619.

Chloride: [23039-97-6]. Chlorobis(4-fluorophenyl)phosphine
 $C_{12}H_9ClF_2P$ M 256.6 Pungent liq. Bp_{0.04} 108-110°. n_D^{20} 1.5890. Forms 1:1 adducts with BBr₃ and BCl₃.

Diethylamide: [25186-18-9]. N,N-Diethyl-P-bis(4-fluorophenyl)phosphinous amide. Bis(4-fluorophenyl)phosphinous diethylamide
 $C_{16}H_{18}F_2NP$ M 293.2 Liq. Bp₁₁ 172-175°. Bp_{0.01} 110-113°. n_D^{20} 1.5620.

Dipropylamide: [25186-16-7]. P,P-Bis(4-fluorophenyl)-N,N-dipropylphosphinous diamide. Bis(4-fluorophenyl)phosphinous dipropylamide
 $C_{18}H_{22}F_2NP$ M 321.3 Liq. Bp₁₅ 198-199°. n_D^{20} 1.5486.

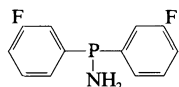
[57178-48-0, 57178-58-2]

De Ketelaere, R. *et al*, *Bull. Soc. Chim. Belg.*, 1969, **78**, 219 (*chloride, synth, ir, pmr, F-19 nmr, P-31 nmr*)

Prikoszovich, W. *et al*, *Chem. Ber.*, 1969, **102**, 2922.

Muyllé, E. *et al*, *Spectrochim. Acta A*, 1975, **31**, 1039, 1045; 1976, **32**, 599 (*F-19 nmr*, *P-31 nmr*)

P,P-Bis(3-fluorophenyl) phosphinous amide, 9CI **B-1-00168**



$C_{12}H_{10}F_2NP$ M 237.1

N,N-Di-Et: [23588-25-2]. *N,N-Diethyl-P,P-bis(3-fluorophenyl)phosphinous amide*.

Bis(3-fluorophenyl)phosphinous diethylamide
 $C_{16}H_{18}F_2NP$ M 293.2 Liq. Bp₁₂ 183°. n_D^{20} 1.5679.

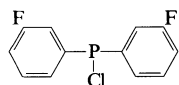
N,N-Dipropyl: [23588-18-3]. *P,P-Bis(3-fluorophenyl)-N,N-dipropylphosphinous amide. Bis(3-fluorophenyl)phosphonous dipropylamide*

$C_{18}H_{22}F_2NP$ M 321.3 Liq. Bp₃₁ 217°. n_D^{20} 1.5511.

Schindlbauer, H. *et al*, *Chem. Ber.*, 1969, **102**, 2914.

Bis(3-fluorophenyl) phosphinous chloride, 9CI, 8CI **B-1-00169**

Chlorobis(3-fluorophenyl)phosphine
[23039-98-7]



$C_{12}H_8ClF_2P$ M 256.6

Liq. Bp₂₂ 174°, Bp₁ 116.5°. n_D^{20} 1.5934. Forms 1:1 complexes with BCl_3 , BBr_3 .

[57178-67-3, 57178-70-8]

De Ketelaere, R. *et al*, *Bull. Soc. Chim. Belg.*, 1969, **78**, 219 (*synth*, *ir*, *pmr*, *F-19 nmr*, *P-31 nmr*)

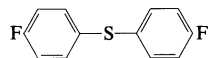
Schindlbauer, H. *et al*, *Chem. Ber.*, 1969, **102**, 2914 (*synth*)

Muyllé, E. *et al*, *Spectrochim. Acta A*, 1975, **31**, 1039, 1045; 1976, **32**, 599 (*F-19 nmr*, *P-31 nmr*, *complexes*)

Bis(4-fluorophenyl)sulfide **B-1-00170**

1,1-Thiobis(4-fluorobenzene), 9CI. *4,4'-Difluorodiphenyl sulfide. Di(4-fluorophenyl) sulfide*

[404-38-6]



$C_{12}H_8F_2S$ M 222.2

Mp 87-88°. Bp₉ 136-137°.

S-Oxide: [395-25-5]. *1,1-Sulfinylbis(4-fluorobenzene)*, 9CI. *Bis(4-fluorophenyl) sulfoxide*

$C_{12}H_8F_2OS$ M 238.2 Mp 51-52°.

S,S-Dioxide: [383-29-9]. *1,1-Sulfonylbis(4-fluorobenzene)*, 9CI. *Bis(4-fluorophenyl) sulfone*

$C_{12}H_8F_2O_2S$ M 254.2 Mp 99-101°.

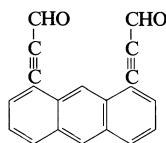
Jilek, J. *et al*, *Coll. Czech. Chem. Comm.*, 1984, **49**, 603 (*synth*)

Chandrasekaran, R. *et al*, *Magn. Reson. Chem.*, 1987, **25**, 1001; 1989, **27**, 360 (*synth*, *pmr*, *cmr*)

Laali, K.K. *et al*, *J.O.C.*, 1991, **56**, 1867 (*synth*, *sulfoxide*)

1,8-Bis(2-formylethynyl) anthracene **B-1-00171**

3,3'-(1,8-Anthracenediyl)bis-2-propynal
[157993-36-7]



$C_{20}H_{10}O_2$ M 282.2

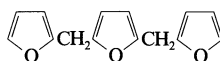
Yellow needles. Mp > 250°.

Breitmaier, E. *et al*, *Annalen*, 1994, 857 (*synth*, *pmr*, *cmr*, *ms*)

2,5-Bis(2-furanyl)methyl)furan **B-1-00172**

2,5-Difurfurylfuran

[29953-18-2]

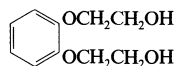


$C_{14}H_{12}O_3$ M 228.2

Bp₁₋₂ 95-100°. Higher homologues having up to 7 furan rings also obt.

Musau, R.M. *et al*, *J.C.S. Perkin 1*, 1994, 2881 (*synth*, *uv*, *pmr*, *cmr*)

1,2-Bis(2-hydroxyethoxy) benzene **B-1-00173**



$C_{10}H_{14}O_4$ M 198.2

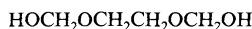
Cryst. (EtOH). Mp 74°.

Lüning, U. *et al*, *Chem. Ber.*, 1994, **127**, 2297.

1,2-Bis(hydroxymethoxy) ethane **B-1-00174**

1,2-Ethanediybis(oxy)bismethanol, 9CI. *2,5-Dioxo-1,6-hexanediol. Ethylene glycol bis(hemiformal). Dascocide 9*

[3586-55-8]



$C_4H_{10}O_4$ M 122.1

Liq. d_4^{20} 1.202. n_D^{20} 1.4104.

Belg. Pat., 667 360, (1965); *CA*, **65**, 7002e (*synth*)

U.K. Pat., 997 643, (1965); *CA*, **63**, 11364f (*synth*)

3,3'-Bis(hydroxymethyl) biphenyl **B-1-00175**

[1,1'-Biphenyl]-3,3'-dimethanol, 9CI
[66888-79-7]

$C_{14}H_{14}O_2$ M 214.2

Needles (CH₂Cl₂). Mp 116.5-117°.

DuVernet, R.B. *et al*, *J.A.C.S.*, 1978, **100**, 2457 (*synth*)

3,5-Bis(hydroxymethyl) biphenyl **B-1-00176**

[1,1'-Biphenyl]-3,5-dimethanol, 9CI
[142183-86-6]

$C_{14}H_{14}O_2$ M 214.2

Cryst. (EtOAc/Et₂O/petrol). Mp 98-101°.

Müller, W. *et al*, *Helv. Chim. Acta*, 1992, **75**, 855 (*synth*, *pmr*)

4,4'-Bis(hydroxymethyl) biphenyl **B-1-00177**

[1,1'-Biphenyl]-4,4'-dimethanol, 9CI
[1667-12-5]

$C_{14}H_{14}O_2$ M 214.2

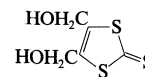
Cryst. Mp 193°.

Weygand, F. *et al*, *Chem. Ber.*, 1955, **88**, 301 (*synth*)

Sheley, C.T. *et al*, *Org. Mass Spectrom.*, 1974, **9**, 731 (*synth*, *ms*)

4,5-Bis(hydroxymethyl)-1,3-dithiole-2-thione, 9CI **B-1-00178**

[159223-12-8]



$C_5H_6O_2S_3$ M 194.2

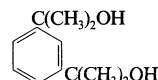
Light yellow needles (Me₂CO/hexane). Mp 86-87°.

Fox, M.A. *et al*, *J.O.C.*, 1994, **59**, 6519 (*synth*, *pmr*, *cmr*)

1,3-Bis(1-hydroxy-1-methylethyl)benzene **B-1-00179**

α,α,α',α'-Tetramethyl-1,3-benzenedimethanol, 9CI. *α,α,α',α'-Tetramethyl-m-xylene-α,α'-diol*, 8CI. *α,α'-Dihydroxy-m-diisopropylbenzene. 2,2'-(m-Phenylene)di-2-propanol*

[1999-85-5]



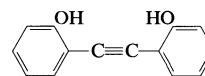
$C_{12}H_{18}O_2$ M 194.2

Cryst. Mp 137-140°.

Johnson, R.A. *et al*, *Bioorg. Chem.*, 1973, **2**, 99 (*synth*, *ir*, *pmr*)

1,2-Bis(2-hydroxyphenyl) acetylene **B-1-00180**

2,2'-(1,2-Ethynediyl)bisphenol, 9CI. *o,o'-Dihydroxytolan. 2,2'-Tolandiol. 2,2'-Ethynylenediphenol*



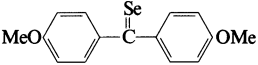
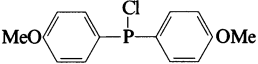
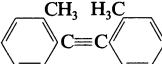
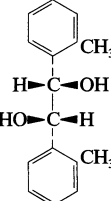
$C_{14}H_{10}O_2$ M 210.2

Needles (petrol); cryst. (EtOH aq.). Mp 130-131°.

Di-Me ether: [5293-78-7]. *1,1'-(1,2-Ethynediyl)bis[2-methoxybenzene]*, 9CI. *Bis(2-methoxyphenyl)acetylene. 2,2'-Dimethoxytolan*

$C_{16}H_{14}O_2$ M 238.2 Cryst. (EtOH). Mp 122-124°.

Coleman, G.H. *et al*, *J.A.C.S.*, 1936, **58**, 2310 (*synth*)

- Weygand, C. *et al*, *Ber.*, 1940, **73**, 765 (*di-Me ether*)
- Letsinger, R.L. *et al*, *J.A.C.S.*, 1959, **81**, 3013 (*synth*)
- Chatt, J. *et al*, *J.C.S.*, 1963, 5170 (*synth*)
- Suzuki, T. *et al*, *Chem. Comm.*, 1976, 180 (*di-Me*)
- Larock, R.C. *et al*, *J.A.C.S.*, 1984, **106**, 4218 (*di-Me ether*)
- Davis, D.S. *et al*, *Acta Cryst. C*, 1993, **49**, 1833 (*cryst struct, di-Me ether*)
- 1,2-Bis(3-hydroxyphenyl) acetylene** **B-1-00181**
3,3'-(1,2-Ethynediyl)bisphenol, 9CI. m,m'-Dihydroxytolan. 3,3'-Ethynylenediphenol. 3,3'-Tolandiol
[161912-04-5]
C₁₄H₁₀O₂ M 210.2
Di-Me ether: [59647-77-7]. 1,1'-(1,2-Ethynediyl)bis[3-methoxybenzene], 9CI. Bis(3-methoxyphenyl)acetylene
C₁₆H₁₄O₂ M 238.2 Cryst. Mp 63-63.5°.
- Coleman, G.H. *et al*, *J.A.C.S.*, 1936, **58**, 2310 (*di-Me ether*)
- Pepermans, H. *et al*, *Bull. Soc. Chim. Belg.*, 1988, **97**, 115 (*trimer*)
- Pepermans, H. *et al*, *Magn. Reson. Chem.*, 1988, **26**, 311 (*pmr*)
- Cummins, C.H., *Tet. Lett.*, 1994, **35**, 857 (*pmr, cmr*)
- Mataka, S. *et al*, *Synthesis*, 1995, 133 (*di-Me ether*)
- 1,2-Bis(4-hydroxyphenyl) acetylene** **B-1-00182**
4,4'-(1,2-Ethynediyl)bisphenol, 9CI. p,p'-Dihydroxytolan. 4,4'-Ethynylenediphenol, 8CI. 4,4'-Tolandiol
[22608-45-3]
C₁₄H₁₀O₂ M 210.2
Cryst. (C₆H₆). Mp 214.6-215.1°.
Di-Me ether: [2132-62-9]. 1,1'-(1,2-Ethynediyl)bis[4-methoxybenzene], 9CI. Bis(4-methoxyphenyl)acetylene. 4,4'-Dimethoxytolan
C₁₆H₁₄O₂ M 238.2 Cryst. (EtOH/AcOH). Mp 145-146° (142-143°).
Di-Et ether: [2132-63-0]. 1,1'-(1,2-Ethynediyl)bis[4-ethoxybenzene]. Bis(4-ethoxyphenyl)acetylene. 4,4'-Diethoxytolan
C₁₈H₁₈O₂ M 266.3 Cryst. (EtOH/AcOH). Mp 162-163°.
Dipropyl ether:
C₂₀H₂₂O₂ M 294.3 Cryst. (EtOH/AcOH). Mp 133-135°.
Diisopropyl ether:
C₂₀H₂₂O₂ M 294.3 Cryst. (EtOH/AcOH). Mp 162-165°.
Dibutyl ether:
C₂₂H₂₆O₂ M 322.4 Cryst. (EtOH/AcOH). Mp 127-128°.
Di-Ph ether: [77384-56-6]. 1,1'-(1,2-Ethynediyl)bis[4-phenoxybenzene], 9CI. 4,4'-Diphenoxytolan
C₂₆H₁₈O₂ M 362.4 Cryst. (C₆H₆). Mp 170-171°.
- Tadros, W., *J.C.S.*, 1958, 4210 (*deriv*)
- Newman, M.S. *et al*, *J.O.C.*, 1958, **23**, 665 (*di-Me ether*)
- Hubacher, M.H., *J.O.C.*, 1959, **24**, 1949 (*synth*)
- Greene, F.D. *et al*, *J.A.C.S.*, 1960, **82**, 893 (*di-Me ether*)
- Trpin, J. *et al*, *Monatsh. Chem.*, 1969, **100**, 115 (*synth*)
- Kaufman, R.J. *et al*, *J.O.C.*, 1982, **47**, 4941 (*synth, di-Me ether, pmr*)
- Al-Dujaili, A.H. *et al*, *J. Polym. Sci., Part A: Polym. Chem.*, 1984, **22**, 3127 (*synth, pmr*)
- Shioiri, T. *et al*, *Heterocycles*, 1987, **26**, 1467 (*synth*)
- Ramana, D.V. *et al*, *Org. Mass Spectrom.*, 1989, **24**, 903 (*ms*)
- Pugh, C. *et al*, *J. Polym. Sci., Part A: Polym. Chem.*, 1990, **28**, 1101 (*synth*)
- Bis(4-methoxyphenyl) methaneselone** **B-1-00183**
4,4'-Dimethoxyselenobenzophenone
[135655-33-3]
- 
- C₁₅H₁₄O₂Se M 305.2
Green needles (pentane). Mp 98-99°.
- Okuma, K. *et al*, *J.C.S. Perkin 1*, 1994, 2151 (*synth, cryst struct*)
- Bis(4-methoxyphenyl) phosphinous chloride, 9CI** **B-1-00184**
Chlorobis(4-methoxyphenyl)phosphine
[13685-30-8]
- 
- C₁₄H₁₄ClO₂P M 280.6
Solid. Mp 49-53°. Bp₂ 190-191°.
- Yudina, K.S. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1966, 1954; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1966, 1889.
- 1,2-Bis(2-methylphenyl) acetylene** **B-1-00185**
1,1'-(1,2-Ethynediyl)bis[2-methylbenzene], 9CI. Di-o-tolylacetylene. 2,2'-Dimethyltolane
[5294-03-1]
- 
- C₁₆H₁₄ M 206.2
Liq. Bp₅ 180-182°. n_D²⁰ 1.6228.
- Coleman, G.H. *et al*, *J.A.C.S.*, 1936, **58**, 2310 (*synth*)
- Merkushev, E.B. *et al*, *Zh. Org. Khim.*, 1982, **18**, 355; *J. Org. Chem. USSR (Engl. Transl.)*, 1982, **18**, 308 (*synth*)
- D'Auria, M., *Synth. Commun.*, 1992, **22**, 2393 (*pmr, cmr, ms*)
- 1,2-Bis(3-methylphenyl) acetylene** **B-1-00186**
1,1'-(1,2-Ethynediyl)bis[3-methylbenzene], 9CI. Di-m-tolylacetylene. 3,3'-Dimethyltolane
[2765-16-4]
C₁₆H₁₄ M 206.2
Cryst. (EtOH or hexane). Mp 74°.
- Coleman, G.H. *et al*, *J.A.C.S.*, 1936, **58**, 2310 (*synth*)
- Newkome, G.R. *et al*, *J.A.C.S.*, 1980, **45**, 4380 (*synth, pmr, Raman*)
- Barba, F. *et al*, *Synth. Commun.*, 1994, **24**, 907 (*synth, ir, pmr, ms*)
- 1,2-Bis(4-methylphenyl) acetylene** **B-1-00187**
1,1'-(1,2-Ethynediyl)bis[4-methylbenzene], 9CI. Di-p-tolylacetylene. 4,4'-Dimethyltolane
[2789-88-0]
C₁₆H₁₄ M 206.2
Cryst. (petrol or AcOH). Mp 136-136.5° (131°). Dimorphic.
- Coleman, G.H. *et al*, *J.A.C.S.*, 1934, **56**, 132 (*synth*)
- Bader, H. *et al*, *J.A.C.S.*, 1956, **78**, 2590 (*synth*)
- Beltrame, P. *et al*, *Gazz. Chim. Ital.*, 1963, **93**, 757 (*uv*)
- Horner, L. *et al*, *Chem. Ber.*, 1983, **116**, 1615 (*synth*)
- 1,2-Bis(2-methylphenyl)-1,2-ethanediol, 9CI** **B-1-00188**
2,2'-Dimethylhydrobenzoin
- 
- (1*S*,2*S*)-form
C₁₆H₁₈O₂ M 242.3
(1*S*,2*S*)-form
Cryst. (petrol/CHCl₃). Mp 109-110°. [α]_D²⁰ -72 (c, 1.07 in EtOH) (>98% ee).
- (1*R*,2*R*)-form
(±)-form
Cryst. (CHCl₃/petrol). Mp 115° (107-109°).
- (1*R*,2*S*)-form [34737-70-7]
meso-form
Cryst. (EtOH aq.). Mp 104-105°.
- Griffin, G.W. *et al*, *J.O.C.*, 1972, **37**, 2589 (*synth, pmr*)
- Raubenheimer, H.G. *et al*, *Chimia*, 1986, **40**, 12 (*synth, pmr*)
- Wallace, T.W. *et al*, *J.C.S. Perkin 1*, 1995, 2293 (*synth, pmr, ms*)
- Bis(pentafluoroethyl) ether** **B-1-00189**
1,1'-Oxybis[1,1,2,2,2-pentafluoroethane], 9CI. Decafluorodiethyl ether. Perfluorodiethyl ether
[358-21-4]
F₃CCF₂OCF₂CF₃
C₄F₁₀O M 254.0
Gas. Bp 2.5°.
U.S. Pat., 2 500 388, (1950); *CA*, **44**, 5236c (*synth*)
Muller, N. *et al*, *J.A.C.S.*, 1957, **79**, 1807 (*F-19 nmr*)
Dresdner, R.D. *et al*, *J.O.C.*, 1959, **24**, 698 (*synth*)
- 1,2-Bis(pentafluorophenyl)-1,2-diphenyldiphosphine, 8CI** **B-1-00190**
[14655-87-9]
(C₆F₅)PPh—PPh(C₆F₅)
C₂₄H₁₀F₁₀P₂ M 550.2
Presumably mixt. of stereoisomers. Cryst. (C₆H₆/petrol). Mp 122-125°.
- Fild, M. *et al*, *Naturwissenschaften*, 1967, **54**, 89.

***N,N'*-Bis[4-(phenylamino)phenyl]-1,4-benzenediamine, 9CI** B-1-00191
N-Phenyltetraaniline
 [19099-70-8]



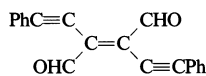
$C_{30}H_{26}N_4$ M 442.5
 Microscopic silver-white cryst. Mp 255-256°.
 Ochi, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1994, **67**, 1749.

2,2-Bis(phenylazo)propane B-1-00192
 1,1'-(1-Methylethylidene)bis[2-phenyldiazene], 9CI
 [145729-08-4]



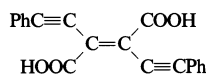
$C_{15}H_{16}N_4$ M 252.3
 Green-yellow solid (MeOH at -78°). Mp 40° dec.
 Engel, P.S. *et al*, *J.O.C.*, 1994, **59**, 6257 (*synth*, *uv*, *pmr*, *cmr*)

2,3-Bis(phenylethynyl)butenedial B-1-00193



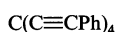
$C_{20}H_{12}O_2$ M 284.3
 (*E*)-form
 2,3-Bis(phenylethynyl)fumaraldehyde
 Bright orange solid (hexane). Mp 146°.
 Anthony, J. *et al*, *Helv. Chim. Acta*, 1995, **78**, 13.

1,2-Bis(2-phenylethynyl)butenedioic acid B-1-00194



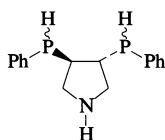
$C_{20}H_{12}O_4$ M 316.3
 (*E*)-form
 Di-Me ester: Dimethyl bis(2-phenylethynyl) fumarate
 $C_{22}H_{16}O_4$ M 344.3 Bright yellow cryst. Mp 82°.
 Anthony, J. *et al*, *Helv. Chim. Acta*, 1995, **78**, 13.

3,3-Bis(2-phenylethynyl)-1,5-diphenyl-1,4-pentadiyne B-1-00195
 Tetrakis(phenylethynyl)methane



$C_{33}H_{20}$ M 416.5
 Solid. Mp 190° dec.
 Feldman, K.S. *et al*, *J.A.C.S.*, 1994, **116**, 9019.

3,4-Bis(phenylphosphino)pyrrolidine B-1-00196



$C_{16}H_{19}NP_2$ M 287.2
 (3*R*,4*R*)-form [113452-05-4]
 Mp 162-165° (as hydrochloride). $[\alpha]_D^{23}$ -76 (c, 2.68 in EtOH). Mixt. of diastereoisomers at the two P atoms.

l-Benzyl: [113452-11-2].
 $C_{23}H_{25}NP_2$ M 377.4 $[\alpha]_D^{23}$ -47 (c, 1.33 in MeOH) (as hydrochloride).

l-tert-Butoxycarbonyl:
 $C_{21}H_{27}NO_2P_2$ M 387.3 Oil.
 Characterised as PdCl₂ complex.

[113452-08-7, 113452-14-5]
 Nagel, U. *et al*, *Chem. Ber.*, 1988, **121**, 1123; 1992, **125**, 1061 (*synth*, *ir*, *ms*, *pmr*, *P-31 nmr*)

Bis(phenylseleno)methane B-1-00197
 1,1'-[Methylenebis(seleno)]bisbenzene, 9CI

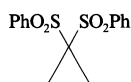
[20343-90-2]



$C_{13}H_{12}Se_2$ M 326.1
 Cryst. (EtOH or hexane/Et₂O). Mp 36-38° (30-30.6°). Bp_{0.1} 138°.
 Petraghani, N. *et al*, *Chem. Ber.*, 1970, **103**, 2271 (*synth*)
 Seebach, D. *et al*, *Chem. Ber.*, 1972, **105**, 511 (*synth*, *ir*, *pmr*, *uv*)
 Reich, H.J. *et al*, *J.O.C.*, 1979, **101**, 6638 (*synth*, *pmr*)
 Engman, L. *et al*, *Synthesis*, 1980, 569 (*synth*)
 Levason, W. *et al*, *J.C.S. Perkin 2*, 1984, 429 (*synth*, *ms*)
 Duddeck, H. *et al*, *Magn. Reson. Chem.*, 1993, **31**, 736 (*cmr*, *pmr*, *Se-77 nmr*)
 Silveira, C.C. *et al*, *Synth. Commun.*, 1995, **25**, 117 (*synth*, *pmr*, *ms*)

1,1-Bis(phenylsulfonyl)cyclopropane B-1-00198

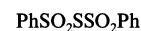
1,1'-[Cyclopropylidenebis(sulfonyl)]bisbenzene, 9CI
 [34782-46-2]



$C_{15}H_{14}O_4S_2$ M 322.4
 Source of propylene 1,3-dipole. Mp 149° (145-146°).

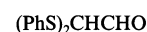
Becker, G. *et al*, *Tet. Lett.*, 1971, 4081 (*synth*)
 Trost, B.M. *et al*, *J.A.C.S.*, 1983, **105**, 1052 (*synth*, *cmr*)
 Rao, Y.K. *et al*, *Indian J. Chem., Sect. B*, 1986, **25**, 1031 (*synth*)
 Benedetti, F. *et al*, *J.C.S. Perkin 2*, 1986, 605 (*synth*)
 Benedetti, F. *et al*, *Org. Mass Spectrom.*, 1988, **23**, 573 (*ms*)

Bis(phenylsulfonyl)sulfide B-1-00199
 Benzenesulfanothioic acid anhydrosulfide, 9CI.
 Benzenesulfonyl sulfide
 [4388-22-1]



$C_{12}H_{10}O_4S_3$ M 314.4
 Prisms (AcOH). Insol. H₂O. Mp 136-137° (133°).
 Mathieson, A.M. *et al*, *J.C.S.*, 1948, 322; 1949, 724 (*synth*, *cryst struct*)
 Hayashi, S. *et al*, *Chem. Pharm. Bull.*, 1967, **15**, 1310 (*synth*)
 Abe, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1980, **53**, 3678.
 Mizhiritskii, M.D. *et al*, *Zh. Obshch. Khim.*, 1986, **56**, 1547; *J. Gen. Chem. USSR (Engl. Transl.)*, 1986, **56**, 1373 (*synth*)

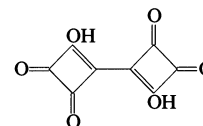
Bis(phenylthio)acetaldehyde B-1-00200
 [153823-24-6]



$C_{14}H_{12}OS_2$ M 260.3
 Unstable, can be stored in refrigerator.
 Ishibashi, H. *et al*, *J.O.C.*, 1995, **60**, 1276 (*synth*, *pmr*)

Bisquaric acid B-1-00201
 2,2'-Dihydroxy[bi-1-cyclobuten-1-yl]-3,3',4,4'-tetrone, 9CI. 4,4'-Bi(3-hydroxy-3-cyclobutene-1,2-dione)

[152931-71-0]

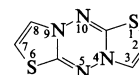


$C_8H_2O_6$ M 194.1
 Bright yellow cryst. Sol. H₂O and DMSO; insol. most other org. solvs. Mp >270°.
 p*K*_a -4.49.

Diisopropyl ether: [152931-80-1].
 $C_{14}H_{14}O_6$ M 278.2 Orange solid (CH₂Cl₂/hexane). Mp 124-125°.

Liebeskind, L.S. *et al*, *J.A.C.S.*, 1993, **115**, 9048 (*synth*, *cryst struct*, *ir*, *cmr*, *pmr*)

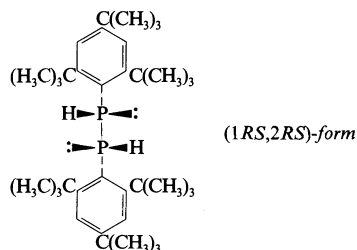
Bisthiazolo[3,2-*b*:3',2'-*e*][1,2,4,5]tetrazine, 9CI B-1-00202
 [154353-45-4]



$C_6H_4N_4S_2$ M 196.2
 Orange-yellow needles. Dec. slowly above 150° without melting.

Stumpf, M. *et al*, *Annalen*, 1994, 1049 (*synth*, *uv*, *pmr*)

1,2-Bis(2,4,6-tri-*tert*-butylphenyl)diphosphine, 8CI **B-1-00203**
1,2-Bis[2,4,6-tris(1,1-dimethylethyl)phenyl]diphosphine, 9CI. 1,2-Disupermesityldiphosphine [83115-14-4]



$C_{36}H_{60}P_2$ M 554.8
(1R,2R)-form [86539-29-9]
(±)-form
Solid. Mp 147-148.5°.
(1R,2SR)-form [86539-30-2]
meso-form
Not. obt. pure.

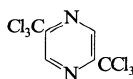
Cowley, A.H. *et al.*, *J.A.C.S.*, 1982, **104**, 5820; 1984, **106**, 1491 (*synth*, *pmr*, *P-31 nmr*, *props*)
Yoshifuji, M. *et al.*, *Chem. Lett.*, 1983, 585 (*synth*, *P-31 nmr*)

1,4-Bis(trichloromethyl)benzene, 9CI **B-1-00204**
 $\alpha, \alpha, \alpha, \alpha', \alpha', \alpha'$ -Hexachloro-*p*-xylene, 8CI. Hexachlorxylyl. Bitriben. Chloxyl. Getol. Hetol Hoechst. Khloksil. WR 17206 [68-36-0]



$C_8H_4Cl_6$ M 312.8
Fasciolicide, antimalarial agent. Cryst. (hexane). Mp 108-110°.
▶ LD₅₀ (rat, orl) 3200 mg/kg. Exp. reprod. effects. Hepatotoxic. ZE4655000.
Aldrich Library of ¹³C and ¹H FT NMR Spectra, 2, 150B (*nmr*)
Aldrich Library of FT-IR Spectra, 1st edn., 1, 999A (*ir*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 3, 918C (*ir*)
Ross, S.D. *et al.*, *J.A.C.S.*, 1953, **75**, 4967 (*synth*)
Aviado, D.M. *et al.*, *Exp. Parasitol.*, 1969, **25**, 283 (*pharmacol*)
Elslager, E.F. *et al.*, *J. Med. Chem.*, 1970, **13**, 542 (*activity*)
Genther, C.S. *et al.*, *J. Med. Chem.*, 1977, **20**, 237 (*activity*)
Hamada, K. *et al.*, *Acta Cryst. C*, 1987, **43**, 953 (*cryst struct*)
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, HCM500.

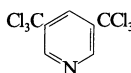
2,5-Bis(trichloromethyl)pyrazine **B-1-00205**



$C_6H_2Cl_6N_2$ M 314.8

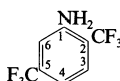
Cryst. (2-butanone). Mp 173-177°.
Cartwright, D. *et al.*, *J.C.S. Perkin 1*, 1995, 2595 (*synth*, *pmr*, *cmr*)

3,5-Bis(trichloromethyl)pyridine **B-1-00206**



$C_7H_3Cl_6N$ M 313.8
Solid. Mp 78-79°.
Cartwright, D. *et al.*, *J.C.S. Perkin 1*, 1995, 2595 (*synth*, *pmr*)

2,5-Bis(trifluoromethyl)aniline **B-1-00207**
2,5-Bis(trifluoromethyl)benzenamine, 9CI. $\alpha, \alpha, \alpha, \alpha', \alpha', \alpha'$ -Hexafluoro-2,5-xylidine [328-93-8]



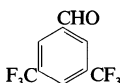
$C_8H_5F_6N$ M 229.1
Liq. d_{20}^4 1.47. Bp 173-177°, Bp_{14.5} 70.5°. n_D^{20} 1.4322.
N-Ac: $C_{10}H_7F_6NO$ M 271.1 Cryst. (EtOH). Mp 146.5-147°.

U.S. Pat., 2 432 393, (1943); *CA*, **42**, 2441f (*synth*)
Ross, S.D. *et al.*, *J.A.C.S.*, 1953, **75**, 4967 (*synth*, *Ac*)
Yates, K. *et al.*, *Can. J. Chem.*, 1972, **50**, 581 (*synth*)

3,5-Bis(trifluoromethyl)aniline **B-1-00208**
3,5-Bis(trifluoromethyl)benzenamine. $\alpha, \alpha, \alpha, \alpha', \alpha', \alpha'$ -Hexafluoro-3,5-xylidine [328-74-5]

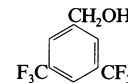
$C_8H_3F_6N$ M 229.1
 d_{20}^4 1.47. Bp₁₅ 85°.
[90269-60-6]
Aldrich Library of FT-IR Spectra, 1st edn., 3, 1149D.
Aldrich Library of NMR Spectra, 2nd edn., 1, 1040B.
Maginnity, P.M. *et al.*, *J.A.C.S.*, 1951, **73**, 3579 (*synth*)
Ross, S.D. *et al.*, *J.A.C.S.*, 1953, **75**, 4967 (*synth*)

3,5-Bis(trifluoromethyl)benzaldehyde, 9CI **B-1-00209**
[401-95-6]



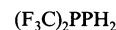
$C_9H_4F_6O$ M 242.1
Oil. Bp₃ 50°.
Aldrich Library of FT-IR Spectra, 1st edn., 3, 1303C.
Krishnamurthy, V.V. *et al.*, *J.A.C.S.*, 1984, **106**, 7068 (*cmr*)
Blackburn, C. *et al.*, *J.A.C.S.*, 1985, **107**, 2442 (*synth*)
Schaefer, T. *et al.*, *Can. J. Chem.*, 1989, **67**, 827 (*synth*, *pmr*)

3,5-Bis(trifluoromethyl)benzenemethanol, 9CI **B-1-00210**
3,5-Bis(trifluoromethyl)benzyl alcohol, 8CI [32707-89-4]



$C_9H_6F_6O$ M 244.1
Mp 54-56°.
U.K. Pat., 1 214 109, (1970); *CA*, **75**, 5910e.
U.S. Pat., 3 625 971, (1971); *CA*, **76**, 59617d.
Blackburn, C. *et al.*, *J.A.C.S.*, 1985, **107**, 2442 (*synth*, *pmr*, *ir*, *ms*)

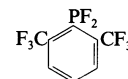
1,1-Bis(trifluoromethyl)diphosphine, 9CI, 8CI **B-1-00211**
[33974-71-9]



$C_2H_2F_6P_2$ M 201.9
Liq. at -95°. Bp 75° (extrap.). Shows 4% dec. after 1 day at 0°.

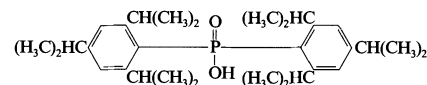
Demuth, R. *et al.*, *Z. Naturforsch., B*, 1971, **26**, 731 (*synth*, *pmr*, *F-19 nmr*, *P-31 nmr*)
Demuth, R. *et al.*, *J. Fluorine Chem.*, 1973, **2**, 269, 299 (*synth*, *pmr*, *reactions*, *F-19 nmr*, *P-31 nmr*)

[2,6-Bis(trifluoromethyl)phenyl]phosphonous difluoride **B-1-00212**
[152508-66-2]



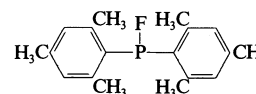
$C_8H_3F_8P$ M 282.0
Liq. Bp₇ 70°.
Meyer, T.G. *et al.*, *Z. Naturforsch., B*, 1993, **48**, 875 (*synth*, *ms*, *cmr*, *F-19 nmr*, *P-31 nmr*)

Bis(2,4,6-triisopropylphenyl)phosphinic acid **B-1-00213**
Bis[2,4,6-tris(1-methylethyl)phenyl]phosphinic acid



$C_{30}H_{47}O_2P$ M 470.6
Chloride: [147050-16-6].
 $C_{30}H_{46}ClOP$ M 489.1 Waxy solid.
Azide: [137248-26-1].
 $C_{30}H_{46}N_3OP$ M 495.6 Cryst. (MeOH). Mp 81-82.5°.
Harger, M.J.P. *et al.*, *J.C.S. Perkin 1*, 1993, 227 (*synth*, *ms*, *ir*, *pmr*, *P-31 nmr*)

Bis(2,4,6-trimethylphenyl)phosphinous fluoride, 9CI **B-1-00214**
Dimesitylphosphinous fluoride, 8CI. Fluorodimesitylphosphine [152508-64-0]



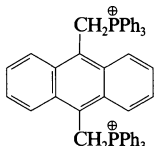
C₁₈H₂₂FP₂ M 288.3
Liq. Bp_{0.6} 56°.

Meyer, T.G. *et al.*, *Z. Naturforsch., B*, 1993, **48**,
875 (*synth*, *F-19 nmr*, *P-31 nmr*)

9,10-Bis **B-1-00215**

(triphenylphosphinomethyl)
anthracene(2+)

[9,10-Anthracenediylbis(methylene)]
bis(triphenylphosphonium]



C₅₂H₄₂P₂²⁺ M 728.8 (ion)

Dichloride: [10273-81-1].

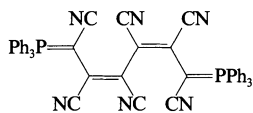
C₅₂H₄₂Cl₂P₂ M 799.7 Yellow cryst.
(DMF). Sol. alcohols, CH₂Cl₂; spar. sol.
CHCl₃; insol. C₆H₆, toluene, aliphatic
hydrocarbons. Mp 280° dec. Exhibits blue-
violet fluor.

Listvan, V.N., *Zh. Obshch. Khim.*, 1985, **55**,
2629; *J. Gen. Chem. USSR (Engl. Transl.)*,
1985, **55**, 2337 (*synth*, *props*)
Claerebondt, J. *et al.*, *Org. Mass Spectrom.*,
1993, **28**, 71 (*ms*)

1,6-Bis(triphenyl- **B-1-00216**

phosphoranylidene)-2,4-
hexadiene-1,2,3,4,5,6-
hexacarbonitrile

1,2,3,4,5,6-Hexacyano-1,6-
bis(triphenylphosphoranylidene)-2,4-hexadiene
[18629-15-7]



C₄₈H₃₀N₆P₂ M 752.7

Adduct from Ph₃P and NCC≡CCN.

Orange-red cryst. (Py or MeCN). Mp 237-
239°.

Reddy, G.S. *et al.*, *J.O.C.*, 1963, **28**, 1822 (*synth*,
ir, *uv*)

Shaw, M.A. *et al.*, *J.C.S.(C)*, 1968, 1609 (*ir*, *ms*,
uv, *pmr*)

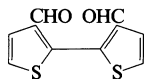
Butterfield, P.J. *et al.*, *J.C.S. Perkin 1*, 1978,
1237 (*cryst struct*)

[2,2'-Bithiophene]-3,3'- **B-1-00217**

dicarboxaldehyde, 9CI

3,3'-Diformyl-2,2'-bithienyl

[19690-70-1]



C₁₀H₆O₂S₂ M 222.2

Brown plates (C₆H₆). Mp 156-158°.

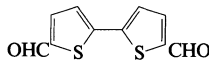
Yoshida, S. *et al.*, *J.O.C.*, 1994, **59**, 3077 (*synth*,
ir, *pmr*)

[2,2'-Bithiophene]-5,5'- **B-1-00218**

dicarboxaldehyde

5,5'-Diformyl-2,2'-bithienyl

[32364-72-0]



C₁₀H₆O₂S₂ M 222.2

Yellow plates (C₆H₆/petrol). Mp 217-218°.

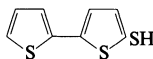
Curtis, R.F. *et al.*, *Tetrahedron*, 1967, **23**, 4419

(*synth*, *uv*, *ir*)

[2,2'-Bithiophene]-5-thiol, 9CI **B-1-00219**

5-Mercapto-2,2'-bithiophene

[159157-32-1]



C₈H₆S₃ M 198.3

Liq. Mp 20°. Bp_{0.1} 95°.

Purcell, S.T. *et al.*, *J.A.C.S.*, 1994, **116**, 11985

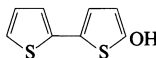
(*synth*, *pmr*)

Effenberger, F. *et al.*, *J.O.C.*, 1995, **60**, 2082

(*synth*, *pmr*)

2,2'-Bithiophen-5-ol **B-1-00220**

5-Hydroxy-2,2'-bithiophene



C₈H₆OS₂ M 182.2

Me ether: 5-Methoxy-2,2'-bithiophene

C₉H₈OS₂ M 196.2 Yellow oil. Bp_{0.1}
90°.

Effenberger, F. *et al.*, *J.O.C.*, 1995, **60**, 2082

(*synth*, *pmr*)

Bromdian **B-1-00221**

4,4'-(1-Methylethylidene)bis[2,6-

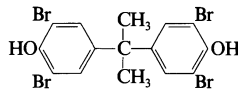
dibromophenol], 9CI. 4,4'-

Isopropylidenebis[2,6-dibromophenol], 8CI. 2,2-

Bis(3,5-dibromo-4-hydroxyphenyl)propane.

Tetrabromobisphenol A

[79-94-7]



C₁₅H₁₂Br₄O₂ M 543.8

Flame retardant. Monomer. Cryst. Mp 161-
162°.

Kohn, M., *Monatsh. Chem.*, 1931, **58**, 108

(*synth*)

Holahan, F.S. *et al.*, *Makromol. Chem.*, 1967,

103, 36 (*synth*)

Islam, A.M. *et al.*, *Egypt. J. Chem.*, 1977, **20**,

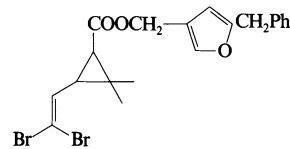
483 (*synth*)

Simonov, Yu.A. *et al.*, *Kristallografiya*, 1986, **31**,

397; *CA*, **104**, 197560c (*cryst struct*)

Bromethirin **B-1-00222**

[5-(Phenylmethyl)-3-furanyl]methyl 3-(2,2-
dibromoethyl)-2,2-
dimethylcyclopropanecarboxylate, 9CI
[42789-03-7]



C₂₀H₂₆Br₂O₃ M 468.1

(1*R*,3*R*)- and (1*R*,3*S*)-isomers reported. No
phys. data given. Insecticide.

[42789-04-8, 49550-79-0, 56194-80-0, 65167-03-5,
65167-13-7]

Elliott, M. *et al.*, *J.C.S. Perkin 1*, 1974, 2470.

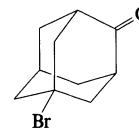
Elliott, M. *et al.*, *Pestic. Sci.*, 1975, **6**, 537 (*synth*,
use)

Jones, N.F., *J.C.S. Perkin 1*, 1977, 1878 (*cmr*)

5-Bromo-2-adamantanone **B-1-00223**

5-Bromotricyclo[3.3.1.1^{3,7}]decanone, 9CI

[20098-20-8]



C₁₀H₁₃BrO M 229.1

Cryst. (petrol). Mp 150-154°.

Geluk, H.W. *et al.*, *Tetrahedron*, 1968, **24**, 5369

(*synth*, *pmr*, *ir*)

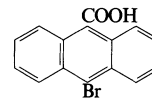
10-Bromo-9- **B-1-00224**

anthracenecarboxylic acid,

9CI

10-Bromo-9-anthroic acid, 8CI

[6929-81-3]



C₁₅H₉BrO₂ M 301.1

Yellow cryst. (AcOH or EtOH). Mp 273°
dec., (265-267° dec.). pK_a 4.09 (50% EtOH
aq. at 25°).

Me ester:

C₁₆H₁₁BrO₂ M 315.1 Yellow needles
(MeOH). Mp 114-115°.

Et ester:

C₁₇H₁₃BrO₂ M 329.1 Yellow needles.
Mp 83°.

Nitrile: [80393-52-8]. 9-Bromo-10-

cyanoanthracene

C₁₅H₈BrN M 282.1 Oil.

Beyer, H. *et al.*, *Ber.*, 1941, **74**, 494 (*synth*,
esters)

Parish, R.C. *et al.*, *J.O.C.*, 1965, **30**, 927 (*Me*

ester)

Anderson, G.L. *et al.*, *J.A.C.S.*, 1971, **93**, 6984

(*props*)

Inouye, M. *et al.*, *J.A.C.S.*, 1993, **115**, 8091

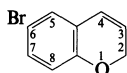
(*nitrile*, *synth*, *ir*, *pmr*, *cmr*)

5-Bromo-1,3- **B-1-00225****benzenedicarboxylic acid***5-Bromoisophthalic acid*

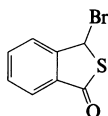
[23351-91-9]

 $C_8H_5BrO_4$ M 245.0Needles (Me₂CO aq.). Mp 282-283°.*Diamide:* $C_8H_7BrN_2O_2$ M 243.0 Fine needles.
Mp 293-294° dec.*Dinitrile: 2-Bromo-1,3-dicyanobenzene* $C_8H_3BrN_2$ M 207.0 Fine needles. Mp
128-130°.Crandall, E.W. *et al*, *Org. Prep. Proced. Int.*,
1969, **1**, 147 (*synth*)Doyle, T.J. *et al*, *J. Het. Chem.*, 1994, **31**, 1417
(*diamide, dinitrile*)**6-Bromo-2H-1-benzopyran,** **B-1-00226****9CI, 8CI***6-Bromo-3-chromene. 6-Bromo-2H-chromene*

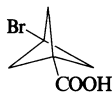
[18385-87-0]

 C_9H_7BrO M 211.0
Bp₁₄ 136°, Bp₁ 80°. n_D^{20} 1.6202.Maitte, P., *Ann. Chim. (Paris)*, 1954, **9**, 431
(*synth*)Canalini, G. *et al*, *Ann. Chim. (Rome)*, 1967, **57**,
1045 (*synth, uv, pmr*)Sliwa, H. *et al*, *Synthesis*, 1993, 881 (*synth, pmr,*
cmr)**7-Bromo-2H-1-benzopyran,** **B-1-00227****8CI***7-Bromo-2H-chromene*

[18385-92-7]

 C_9H_7BrO M 211.0Bp_{0.6} 91-92°. n_D^{23} 1.6029.Canalini, G. *et al*, *Ann. Chim. (Rome)*, 1967, **57**,
1045 (*synth, uv, pmr*)**3-Bromobenzo[c]thiophen-** **B-1-00228**
1(3H)-one C_8H_5BrOS M 229.0(±)-*form* [155988-84-4]Cryst. (C₆H₆/petrol). Mp 82-84°.Majumdar, G. *et al*, *J.C.S. Perkin 1*, 1994, 309.**3-Bromobicyclo[1.1.1]pentane-** **B-1-00229**
1-carboxylic acid, 9CI

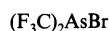
[156329-70-3]

 $C_6H_7BrO_2$ M 191.0Cryst. (Et₂O/pentane). Mp 176-178°.*Na salt:* [156329-60-1].

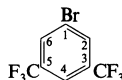
Solid.

Me ester: [83249-14-3]. $C_7H_5BrO_2$ M 205.0 Cryst. Mp 49-
50°.*Nitrile:* [156329-61-2]. *1-Bromo-3-*
cyanobicyclo[1.1.1]pentane C_6H_4BrN M 172.0 Cryst. by subl.
Mp 119-120°.Applequist, D.E. *et al*, *J.O.C.*, 1982, **47**, 4985
(*Me ester, synth, ir*)Della, E.W. *et al*, *J.O.C.*, 1994, **59**, 2986 (*synth,*
pmr, cmr, ms)**Bromobis(trifluoromethyl)** **B-1-00230**
arsine, 8CI*Bis(trifluoromethyl)arsinous bromide, 9CI.**Bis(trifluoromethyl)arsenic bromide*

[359-52-4]

 C_2AsBrF_6 M 292.8Synth. from (F₃C)₃As + Br₂ at -5°. Liq.Bp₇₄₅ 59.5°. n_D^{20} 1.398. Treatment with aq.
alkali gives F₃CH.Emeléus, H.J. *et al*, *J.C.S.*, 1953, 1552 (*synth,*
props)Demuth, R., *Z. Anorg. Allg. Chem.*, 1975, **418**,
149 (*ir, Raman*)**1-Bromo-3,5-** **B-1-00231****bis(trifluoromethyl)benzene,****9CI***5-Bromo-α,α,α',α',α'-hexafluoro-m-xylene,*
8CI

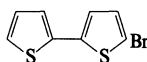
[328-70-1]

 $C_8H_3BrF_6$ M 293.0 d_4^{25} 1.699. Mp -16°. Bp 153.9°. n_D^{25} 1.4241,
(1.4250).Mcbee, E.T. *et al*, *J.A.C.S.*, 1950, **72**, 1651
(*synth, props*)Urban, J. *et al*, *Coll. Czech. Chem. Comm.*,
1987, **52**, 1340 (*synth*)**4-Bromo-1,3-** **B-1-00232****bis(trifluoromethyl)benzene,****9CI***2,4-Bis(trifluoromethyl)-1-bromobenzene*

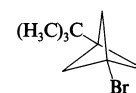
[327-75-3]

 $C_8H_3BrF_6$ M 293.0 d^{20} 1.74. Bp 161.5°. n_D^{20} 1.6363.*Aldrich Library of FT-IR Spectra, 1st edn.*, **3**,
932A.*U.S. Pat.*, 4 388 472, (1983); *CA*, **99**, 122041d.Kodaira, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1988,
61, 1625.**5-Bromo-2,2'-bithiophene, 9CI** **B-1-00233***5-Bromo-2,2'-bithienyl*

[3480-11-3]

 $C_8H_4BrS_2$ M 245.1Solid (MeOH). Mp 34°. Bp_{0.04} 89-91°.Curtis, R.F. *et al*, *J.C.S.*, 1965, 5134 (*synth, uv*)Carpita, A. *et al*, *Gazz. Chim. Ital.*, 1985, **115**,
575 (*synth, cmr*)Zimmer, H. *et al*, *Phosphorus Sulfur Relat.**Elem.*, 1989, **46**, 153 (*synth, pmr, ms*)Bäuerle, P. *et al*, *Synthesis*, 1993, 1099 (*synth,*
pmr)**1-Bromo-2-(bromomethyl)-2-** **B-1-00234**
butylamine*2-Amino-1,3-dibromo-2-ethylpropane* $C_5H_{11}Br_2N$ M 244.9*Hydrobromide:* [24083-55-4].Microcryst. solid (EtOH aq.). Mp 234-
235° (230°).Funke, W., *Chem. Ber.*, 1969, **102**, 3148 (*synth*)Marchand, A.P. *et al*, *J.O.C.*, 1994, **59**, 1608
(*synth*)**1-Bromo-3-tert-** **B-1-00235**
butylbicyclo[1.1.1]pentane*1-Bromo-3-(1,1-dimethylethyl)bicyclo[1.1.1]**pentane, 9CI*

[127321-07-7]

 $C_9H_{15}Br$ M 203.1

Cryst. by subl. Mp 83-84° (80.5-81°).

Kaszynskii, P. *et al*, *J.A.C.S.*, 1992, **114**, 601*(synth, pmr, cmr, ir, ms)*Della, E.W. *et al*, *J.O.C.*, 1994, **59**, 2986 (*synth,*
pmr, cmr, ms)**1-Bromo-3-** **B-1-00236**
chlorobicyclo[1.1.1]pentane,**9CI**

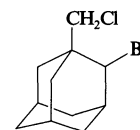
[155635-19-1]

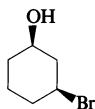
 C_5H_6BrCl M 181.4

Cryst. by subl. Mp 84°.

Della, E.W. *et al*, *J.O.C.*, 1994, **59**, 2986 (*synth,*
pmr, cmr, ms)**2-Bromo-1-(chloromethyl)** **B-1-00237**
adamantane

[157490-72-7]

 $C_{11}H_{16}BrCl$ M 263.6Mlinarić-Majerski, K. *et al*, *J.O.C.*, 1994, **59**,
4362 (*synth, pmr, cmr, ms*)**3-Bromo-3-cyclobutene-1,2-** **B-1-00238**
dione*Semisquaric acid bromide*

C₆HBrO₂ M 160.9Yellow oil. Bp_{0.037} 64°.Schmidt, A.H. *et al*, *Synthesis*, 1994, 422 (*synth*, *ir*, *pmr*, *cmr*, *ms*)**3-Bromocyclohexanol****B-1-00239**C₆H₁₁BrO M 179.0

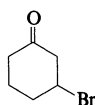
Parent compd. not descr. (1995).

(1*R*,3*S*)-form(±)-*cis*-form

Ac: [58268-53-4].

C₈H₁₃BrO₂ M 221.0 Liq.Saloman, R.G. *et al*, *J.O.C.*, 1976, **41**, 1529(*synth*, *pmr*, *ms*, *deriv*)**3-Bromocyclohexanone, 9CI****B-1-00240**

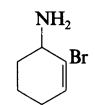
[62784-60-5]

C₆H₉BrO M 177.0

Not isol. No phys. data given. V. sensitive to loss of HBr.

Grenier-Loustalot, M.F. *et al*, *Spectrochim.**Acta A*, 1976, **32**, 1743 (*ir*)Marx, J.N., *Tetrahedron*, 1983, **39**, 1529 (*synth*, *pmr*)Bowen, J.P. *et al*, *J.O.C.*, 1987, **52**, 1830(*conformn*)**2-Bromo-2-cyclohexen-1-amine****B-1-00241**

6-Amino-1-bromocyclohexene

C₆H₁₀BrN M 176.0(±)-*form* [161196-42-5]

Light brown oil.

Banwell, M.G. *et al*, *Aust. J. Chem.*, 1994, **47**, 2235 (*synth*, *pmr*, *cmr*)**2-Bromo-1,1,1,3,3,4,4,5,5,5-decafluoro-2-(trifluoromethyl)pentane, 9CI, 8CI****B-1-00242**

[22528-67-2]

F₃CCF₂CF₂C(CF₃)₂BrC₆BrF₁₃ M 398.9

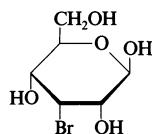
Bp 99-101°.

Miller, W.T. *et al*, *J.A.C.S.*, 1968, **90**, 7367(*synth*)Smart, B.E. *et al*, *J.A.C.S.*, 1986, **108**, 4905(*synth*, *ms*, *nmr*, *ir*)**10-Bromodecanal, 9CI****B-1-00243**

[85920-81-6]

BrCH₂(CH₂)₈CHOC₁₀H₁₉BrO M 235.1Oil. Bp₃ 128-130°. n_D²⁰ 1.4710; oxid. in air.*Semicarbazone*: Cryst. (EtOH aq.). Mp 85.5-86.5°.Chuit, P. *et al*, *Helv. Chim. Acta*, 1926, **9**, 1074(*synth*)Sorochinskaya, A.M. *et al*, *Khim. Prir. Soedin.*, 1989, 264; *Chem. Nat. Compd. (Engl. Transl.)*, 1989, 228 (*synth*)Bestmann, H.J. *et al*, *Synthesis*, 1994, 1257(*synth*, *pmr*)**10-Bromo-1-decene, 9CI****B-1-00244**

[62871-09-4]

H₂C=CH(CH₂)₇CH₂BrC₁₀H₁₉Br M 219.1Liq. Bp₃₅ 149-150°. n_D²⁰ 1.4703.Fréchet, J.M.J. *et al*, *J.A.C.S.*, 1992, **114**, 6630(*synth*, *pmr*)Percec, V. *et al*, *Macromolecules*, 1993, **26**, 3663(*synth*, *pmr*)Johnson, D.K. *et al*, *Synth. Commun.*, 1994, **24**,1557 (*synth*, *pmr*, *cmr*)**3-Bromo-3-deoxyallose****B-1-00245**

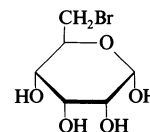
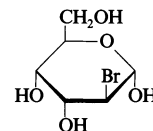
β-D-Pyranose-form

C₆H₁₁BrO₅ M 243.0**β-D-Pyranose-form***Tetra-Ac*: [106023-35-2].C₁₄H₁₉BrO₉ M 411.2 Syrup. [α]_D²⁰ -14.1 (c, 1.6 in CHCl₃).*Me glycoside*: [127236-54-8].C₇H₁₃BrO₅ M 257.0 Syrup.*Me glycoside*, 4,6-O-benzylidene: [77842-63-8].C₁₄H₁₇BrO₅ M 345.1 Cryst.

(EtOAc/petrol). Mp 120-122° (97-99°).

[α]_D²² -9 (c, 1.5 in CHCl₃), [α]_D²² -23 (CHCl₃).**α-D-Furanose-form**

1,2:5,6-Di-O-isopropylidene: [74958-56-8].

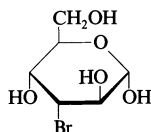
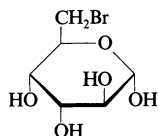
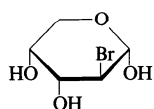
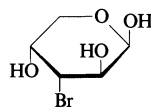
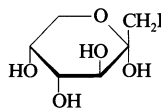
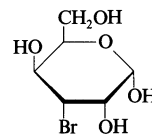
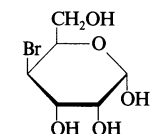
C₁₂H₁₉BrO₅ M 323.1 Cryst.(pentane). Mp 45°. [α]_D²² +55 (c, 1.5 in CHCl₃).Bundle, D. *et al*, *J.C.S. Perkin 1*, 1979, 2751 (β-*Me pyr benzylidene*, *pmr*)Classon, B. *et al*, *Can. J. Chem.*, 1981, **59**, 339(β-*Me pyr benzylidene*)Kunz, H.Y. *et al*, *Annalen*, 1982, 1245 (α-*diisopropylidene*)Korth, H.G. *et al*, *J.C.S. Perkin 2*, 1986, 1461(β-*tetra-Ac*, *pmr*)Krylova, R.G. *et al*, *Bioorg. Khim.*, 1990, **16**,105; *Sov. J. Bioorg. Chem. (Engl. Transl.)*,1990, **16**, 56 (β-*Me pyr derivis*, *pmr*)**6-Bromo-6-deoxyallose****B-1-00246**C₆H₁₁BrO₅ M 243.0**α-D-Pyranose-form***Me glycoside*, 4-benzoyl: [52572-05-1].C₁₄H₁₇BrO₆ M 361.1 Syrup.*Me glycoside*, 4-benzoyl, 2,3-di-Ac: [116013-31-1].C₁₈H₂₁BrO₈ M 445.2 Syrup. [α]_D+42 (CHCl₃).*Me glycoside*, 4-benzoyl, 2,3-di-Me: [22893-89-6].C₁₆H₂₁BrO₆ M 389.2 Syrup. [α]_D+95 (c, 0.5 in CHCl₃).*Me glycoside*, 4-benzoyl, 2,3-anhydro: [18933-59-0].C₁₄H₁₅BrO₅ M 343.1 Cryst.(EtOAc/hexane). Mp 60-61° (55°). [α]_D+177 (CHCl₃).Brimacombe, J.S. *et al*, *Chem. Comm.*, 1969,197 (*di-Me*, *ir*)Baer, H.H. *et al*, *Carbohydr. Res.*, 1973, **28**, 390(*anhydro*)Collins, P.M. *et al*, *Carbohydr. Res.*, 1974, **33**,25 (4-benzoyl, *ir*)Chana, J.S. *et al*, *Chem. Comm.*, 1988, 94 (*di-**Ac*, *pmr*)Chretien, F. *et al*, *Synth. Commun.*, 1990, **20**,1589 (*anhydro*)**2-Bromo-2-deoxyaltrose****B-1-00247**

α-D-Pyranose-form

C₆H₁₁BrO₅ M 243.0**α-D-Pyranose-form***Me glycoside*:C₇H₁₃BrO₅ M 257.0 Cryst. (EtOH).Mp 153°. [α]_D +86.2 (c, 0.5 in EtOH).*Me glycoside*, 4,6-O-benzylidene: [19465-09-9].C₁₄H₁₇BrO₅ M 345.1 Cryst.(Me₂CO/hexane). Mp 117-118°. [α]_D²⁵+59.2 (c, 1.0 in CHCl₃).*Me glycoside*, 3,4-O-isopropylidene:C₁₀H₁₇BrO₅ M 297.1 Mp 64-66°. [α]_D+43.1 (CHCl₃).**β-D-Pyranose-form**

1,6-Anhydro, 3,4-di-Ac:

C₁₀H₁₃BrO₆ M 309.1 Syrup. Bp_{0.01}160-190° (bath). [α]_D²⁰ -68 (in CHCl₃).Newth, F.H. *et al*, *J.C.S.*, 1947, 10 (*anhydro*, *di-**Ac*)Richards, G.N. *et al*, *J.C.S.*, 1953, 2442 (*Me**gly*, *benzylidene*)Sharma, M. *et al*, *Can. J. Chem.*, 1968, **46**, 757(*benzylidene*, *ir*, *pmr*)Guindon, Y. *et al*, *J.O.C.*, 1987, **52**, 1680(*benzylidene*)

3-Bromo-3-deoxyaltrose**B-1-00248**C₆H₁₁BrO₅ M 243.0 **α -D-Pyranose-form***Me glycoside, 4,6-O-benzylidene:*C₁₄H₁₇BrO₅ M 345.1 Cryst. Mp 123-124°. [α]_D +120 (CHCl₃).*Me glycoside, 4,6-O-benzylidene, 2-Ac:* [20853-48-9].C₁₆H₁₉BrO₆ M 387.2 Cryst. (CHCl₃/petrol). Mp 101-103°. [α]_D²⁰ +80.5 (c, 1.0 in CHCl₃).*Me glycoside, 4,6-O-benzylidene, 2-benzoyl:* [55169-78-3].C₂₁H₂₁BrO₆ M 449.2 Cryst. (EtOAc/pentane). Mp 136.5-138°. [α]_D²¹ +1.6 (c, 1.5 in CHCl₃).Lee, J.B. *et al*, *Tetrahedron*, 1961, **12**, 226 (*Me gly benzylidene*)
Albano, E.L. *et al*, *Chem. Comm.*, 1968, 357 (2-Ac, pmr)Albano, E.L. *et al*, *Carbohydr. Res.*, 1969, **9**, 149 (2-Ac, ir)Jacobsen, S. *et al*, *Acta Chem. Scand., Ser. B*, 1974, **28**, 1024 (2-benzoyl)**6-Bromo-6-deoxyaltrose****B-1-00249** α -D-Pyranose-formC₆H₁₁BrO₅ M 243.0**D-form***3,4-Di-Me, 2,5-dibenzyl:* [126215-06-3].C₂₂H₂₇BrO₅ M 451.3 Syrup. **α -D-Pyranose-form***Me glycoside:*C₇H₁₃BrO₅ M 257.0 Syrup. [α]_D +80 (H₂O).*Me glycoside, 2,4-dibenzoyl, 3-Ac:* [120123-45-7].C₂₃H₂₃BrO₈ M 507.3 Syrup. [α]_D -24.2 (c, 1.0 in CHCl₃).*Me glycoside, 4-benzoyl, 2,3-di-Ac:* [73139-31-8].C₁₈H₂₁BrO₈ M 445.2 Cryst. Mp 112-114°. [α]_D +48 (CHCl₃).*Me glycoside, 2,3,4-tribenzoyl:*C₂₈H₂₅BrO₈ M 569.4 Cryst. Mp 146-147°. [α]_D 0 (CHCl₃).Rosenfeld, D.A. *et al*, *J.A.C.S.*, 1948, **70**, 2204 (*Me gly*)Chana, J.S. *et al*, *Chem. Comm.*, 1988, 94 (*di-Ac, pmr*)Aqeel, A. *et al*, *J. Carbohydr. Chem.*, 1989, **8**, 405 (3-Ac, pmr)**2-Bromo-2-deoxyarabinose****B-1-00250** α -D-Pyranose-formC₅H₉BrO₄ M 213.0**D-form**Cryst. Mp 125°. [α]_D -121 (H₂O). **α -D-Pyranose-form***1-Benzoyl, 3,4-di-Ac:* [50271-27-7].C₁₆H₁₇BrO₇ M 401.2 Cryst. (Et₂O/pentane). Mp 144-145°. [α]_D²⁰ -5.57 (c, 2.3 in CHCl₃).*Me glycoside: Methyl 2-bromo-2-deoxy- α -D-arabinopyranoside*C₈H₁₁BrO₄ M 227.0 Cryst. Mp 91-92°. [α]_D -68 (MeOH). **α -D-Furanose-form***Me glycoside, 3,5-di-Ac:* [23259-82-7].C₁₀H₁₅BrO₆ M 311.1 Oil. **β -D-Furanose-form***Me glycoside, 3,5-di-Ac:* [55734-55-9].Cryst. (Et₂O/pentane). Mp 80-81°. [α]_D²¹ -107 (c, 2.5 in CHCl₃).*Me glycoside, 3,5-dibenzoyl:* [55734-50-4].C₂₀H₁₉BrO₆ M 435.2 Cryst. (Et₂O/pentane). Mp 109-109.5°. [α]_D²⁰ -98.6 (c, 2.7 in CHCl₃).**L-form**Cryst. Mp 122°. [α]_D +116 (H₂O).Kent, P.W. *et al*, *J.C.S.*, 1964, 6196 (*synth, D-form, L-form, α -Me pyr*)Reist, E.J. *et al*, *Carbohydr. Res.*, 1969, **9**, 71 (α -D-fur di-Ac, ir, pmr)Bock, K. *et al*, *J.C.S. Perkin 1*, 1973, 1456 (α -Me pyr)Bock, K. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 185 (β -D-fur derivs, pmr)**3-Bromo-3-deoxyarabinose****B-1-00251** β -D-Pyranose-formC₅H₉BrO₄ M 213.0 **β -D-Pyranose-form***Me glycoside:*C₆H₁₁BrO₄ M 227.0 Syrup.*Me glycoside, 2,4-dibenzoyl:* [54621-51-1].C₂₀H₁₉BrO₆ M 435.2 Cryst. (cyclohexane). Mp 82-86°. [α]_D²⁵ -267.8 (c, 1.0 in CHCl₃). **α -D-Furanose-form***Me glycoside, 5-Ac:* [13052-00-1].C₈H₁₃BrO₅ M 269.0 Syrup. **β -D-Furanose-form***Me glycoside, 5-Ac:* [13051-99-5].Oil. [α]_D²² -89 (c, 0.91 in CHCl₃).*Me glycoside, 5-benzoyl:* [43168-74-7].C₁₃H₁₅BrO₅ M 331.1 Syrup. [α]_D -73 (c, 1.1 in CHCl₃).Reist, E.J. *et al*, *Methods Carbohydr. Chem.*, 1972, **6**, 179 (5-Ac, pmr)Ritchie, R.G.S., *Chem. Ind. (London)*, 1973, 530 (5-benzoyl)Jacobsen, S. *et al*, *Acta Chem. Scand., Ser. B*, 1974, **28**, 866 (β -Me pyr deriv, pmr)**1-Bromo-1-deoxyfructose****B-1-00252** α -D-Pyranose-formC₆H₁₁BrO₅ M 243.0**D-form***Phenylsazone:* Cryst. (EtOH). Mp 202-205°.**Tetra-Ac:**C₁₄H₁₉BrO₉ M 411.2 Cryst. Mp 68°. [α]_D +62.5 (CHCl₃). **α -D-Pyranose-form***Me glycoside:* [119645-60-2]. *Methyl 1-bromo-1-deoxy- α -D-fructopyranoside*C₇H₁₃BrO₅ M 257.0 Cryst. Mp 84-85°. [α]_D²⁵ -4.3 (c, 0.16 in H₂O). **β -D-Pyranose-form***2,3,4,5-Di-O-isopropylidene:* [10225-89-5].C₁₂H₁₉BrO₅ M 323.1 Cryst. (Et₂O/petrol). Mp 46-47°. [α]_D²³ -34.4 (c, 0.48 in CHCl₃).*Me glycoside:* [119645-61-3]. *Methyl 1-bromo-1-deoxy- β -D-fructopyranoside*C₇H₁₃BrO₅ M 257.0 Cryst. Mp 86-87°. [α]_D²⁵ -126.9 (c, 0.13 in H₂O). **β -D-Furanose-form***2,3-O-Isopropylidene, 6-benzoyl:* [83032-01-3].C₁₆H₁₉BrO₆ M 387.2 Cryst. (MeOH). Mp 89-90°. [α]_D²⁵ +13.9 (CHCl₃).**L-form***Tetra-Ac:* [23261-11-2].Cryst. (Et₂O/petrol). Mp 66-67°. [α]_D²³ -65 (c, 4.0 in CHCl₃).**DL-form***Tetra-Ac:* [23261-12-3].Cryst. (Et₂O/petrol). Mp 92°. [α]_D²³ 0 (c, 0.4 in CHCl₃).Wolfrom, M.L. *et al*, *J.A.C.S.*, 1942, **64**, 1701 (D-tetra-Ac)Humphlett, W.J., *Carbohydr. Res.*, 1968, **7**, 431 (L-tetra-Ac, DL-tetra-Ac)Barnett, J.E.G. *et al*, *Carbohydr. Res.*, 1972, **25**, 511 (*diisopropylidene*)Guthrie, R.D. *et al*, *Aust. J. Chem.*, 1982, **35**, 1003 (β -D-fur deriv, pmr)Sinclair, H.B., *Carbohydr. Res.*, 1988, **181**, 115 (α -Me pyr, β -Me pyr, cmr)**3-Bromo-3-deoxygulose****B-1-00253** α -D-Pyranose-formC₆H₁₁BrO₅ M 243.0 **α -D-Pyranose-form***Me glycoside, 4,6-O-benzylidene, 2-Ac:*C₁₆H₁₉BrO₆ M 387.2 Cryst. Mp 128-129°. [α]_D +67.5 (CHCl₃). **β -D-Pyranose-form***Me glycoside, 6-benzoyl:* [24921-01-5].C₁₄H₁₇BrO₆ M 361.1 Syrup. [α]_D²⁵ -6 (c, 1.65 in CHCl₃).Hedgley, E.J. *et al*, *J.C.S.*, 1963, 4701 (α -Me pyr deriv)Hanessian, S. *et al*, *J.O.C.*, 1969, **34**, 1035 (β -Me pyr deriv)**4-Bromo-4-deoxygulose****B-1-00254** α -D-Pyranose-formC₆H₁₁BrO₅ M 243.0 **α -D-Pyranose-form**

Me glycoside, 2,3-bis(3,5-dinitrobenzoyl), 6-[dimethyl(1,1,2-trimethylpropyl)silyl]: [128843-93-6].

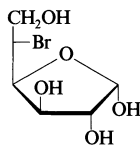
Mp 110-114°. $[\alpha]_D^{25} + 75.4$ (c, 0.8 in CHCl_3).

Me glycoside, 2,3-anhydro, 6-trityl: [118360-83-1].

$\text{C}_{26}\text{H}_{25}\text{BrO}_4$ M 481.3 $[\alpha]_D^{31} - 31$ (c, 0.99 in CHCl_3).

Tatsuta, H. *et al*, *Bull. Chem. Soc. Jpn.*, 1988, **61**, 2525 (*anhydro, pmr*)

Rehnberg, N. *et al*, *J.O.C.*, 1990, **55**, 5467 (*silyl, pmr, cmr*)

5-Bromo-5-deoxyidose**B-1-00255**

$\text{C}_6\text{H}_{11}\text{BrO}_5$ M 243.0

 β -L-Furanose-form

1,2-O-Isopropylidene: [130619-43-1].

$\text{C}_9\text{H}_{15}\text{BrO}_5$ M 283.1 Syrup. $[\alpha]_D^{20} - 6.1$ (c, 3.0 in CHCl_3).

1,2-O-Isopropylidene, 6-Me, 3-benzoyl: [18930-14-8].

$\text{C}_{17}\text{H}_{21}\text{BrO}_6$ M 401.2 Syrup. $[\alpha]_D^{25} + 4.7$ (c, 4.15 in CHCl_3).

1,2-O-Isopropylidene, 6-(tetrahydro-2H-pyran-2-yl): [130619-45-3].

$\text{C}_{14}\text{H}_{23}\text{BrO}_6$ M 367.2 Syrup.

1,2;3,6-Di-O-isopropylidene: [82893-16-1].

$\text{C}_{12}\text{H}_{19}\text{BrO}_5$ M 323.1 Syrup. $[\alpha]_D^{22} + 51.6$ (c, 1.4 in CHCl_3).

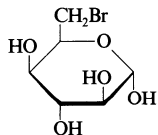
[130619-54-4]

Hanessian, S. *et al*, *J.O.C.*, 1969, **34**, 1053 (*6-Me, ir*)

Kunz, H. *et al*, *Annalen*, 1982, 1245

(*diisopropylidene*)

Dax, R. *et al*, *J. Carbohydr. Chem.*, 1990, **9**, 479 (*tetrahydropyranyl, pmr, cmr*)

6-Bromo-6-deoxyidose**B-1-00256** α -D-Pyranose-form

$\text{C}_6\text{H}_{11}\text{BrO}_5$ M 243.0

 α -D-Pyranose-form

Tetra-Ac: [29884-71-7].

$\text{C}_{14}\text{H}_{19}\text{BrO}_9$ M 411.2 Cryst. (EtOH). Mp 117-118°. $[\alpha]_D^{20} + 58$ (c, 2.5 in CHCl_3).

Me glycoside: [125280-08-2].

$\text{C}_7\text{H}_{13}\text{BrO}_5$ M 257.0 Cryst. (CH_2Cl_2 /hexane). Mp 68.5-70°. $[\alpha]_D^{25} + 85.1$ (CHCl_3).

Me glycoside, 4-benzoyl: [125237-71-0].

$\text{C}_{14}\text{H}_{17}\text{BrO}_6$ M 361.1 Cryst. (CH_2Cl_2 /hexane). Mp 106.5-107.5°. $[\alpha]_D^{28} + 104.1$ (CHCl_3).

Me glycoside, tribenzoyl: [79635-97-5].

Cryst. (EtOH). Mp 165-166°.

 β -D-Furanose-form

1,2-O-Isopropylidene, 3,5-dibenzoyl: [108802-08-0].

$\text{C}_{23}\text{H}_{23}\text{BrO}_7$ M 491.3 Syrup. $[\alpha]_D - 6$ (c, 0.45 in CHCl_3).

 β -L-Furanose-form

1,2-O-Isopropylidene, 5-benzoyl: [33999-40-5].

$\text{C}_{16}\text{H}_{19}\text{BrO}_6$ M 387.2 Syrup. Attempted crystallisation led to dec.

1,2-O-Isopropylidene, 5-benzoyl, 3-Ac: [34010-38-3].

$\text{C}_{18}\text{H}_{21}\text{BrO}_7$ M 429.2 Syrup. $[\alpha]_D^{25} - 8$ (c, 4 in CHCl_3).

1,2-O-Isopropylidene, 3,5-dibenzoyl: [87357-55-9].

$\text{C}_{23}\text{H}_{27}\text{BrO}_5$ M 463.3 Cryst. Mp 131-134°. $[\alpha]_D^{22} - 20.73$ (c, 0.5 in CHCl_3).

Paulsen, H. *et al*, *Chem. Ber.*, 1970, **103**, 2450

(*tetra-Ac*)

Chalk, R.C. *et al*, *Carbohydr. Res.*, 1971, **20**,

151 (β -L-fur deriv, pmr)

Neeser, J.R. *et al*, *Helv. Chim. Acta*, 1983, **66**,

1018 (β -L-fur deriv, pmr)

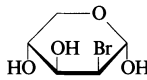
Jacobsen, S., *Acta Chem. Scand., Ser. B*, 1984,

38, 157 (*Me pyr tribenzoyl*)

Guiliano, R.M. *et al*, *Carbohydr. Res.*, 1989,

191, 1 (*Me α -D-pyr deriv*)

Lee, C.K., *Carbohydr. Res.*, 1990, **205**, 203 (β -D-fur deriv)

2-Bromo-2-deoxylyxose**B-1-00257**

$\text{C}_5\text{H}_9\text{BrO}_4$ M 213.0

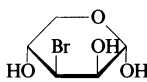
 α -D-Pyranose-form

Me glycoside, di-Ac: [51385-05-8].

$\text{C}_{10}\text{H}_{15}\text{BrO}_6$ M 311.1 Mp 56-57°. $[\alpha]_D^{25} - 7$ (c, 1.49 in CHCl_3).

Van Es, T., *J. S. Afr. Chem. Inst.*, 1973, **26**, 152

(*di-Ac, pmr*)

3-Bromo-3-deoxylyxose**B-1-00258** α -D-Pyranose-form

$\text{C}_5\text{H}_9\text{BrO}_4$ M 213.0

 α -D-Pyranose-form

Me glycoside, dibenzoyl: [54621-50-0].

$\text{C}_{20}\text{H}_{19}\text{BrO}_6$ M 435.2 Cryst. (Et_2O /pentane). Mp 103-105°. $[\alpha]_D^{25} - 125.4$ (c, 1.3 in CHCl_3).

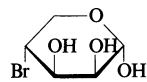
 β -D-Pyranose-form

Me glycoside, 4-benzoyl, 2-Me: [54621-61-3].

$\text{C}_{14}\text{H}_{17}\text{BrO}_5$ M 345.1 Syrup. $[\alpha]_D^{21} - 33.7$ (c, 1.3 in CHCl_3).

Jacobsen, S. *et al*, *Acta Chem. Scand., Ser. B*,

1974, **28**, 866 (*Me gly deriv, pmr*)

4-Bromo-4-deoxylyxose**B-1-00259** α -D-Pyranose-form

$\text{C}_5\text{H}_9\text{BrO}_4$ M 213.0

D-Pyranose-form

Me glycoside:

$\text{C}_6\text{H}_{11}\text{BrO}_4$ M 227.0 Cryst. Mp 134-135°. $[\alpha]_D + 14.6$ (MeOH).

 α -D-Pyranose-form

Benzyl glycoside: [104292-63-9].

$\text{C}_{12}\text{H}_{14}\text{BrO}_4$ M 303.1 Cryst. (toluene). Mp 139-142°. $[\alpha]_D^{23} - 62$ (c, 0.8 in CDCl_3).

 α -L-Pyranose-form

1-Benzoyl, 2,3-di-Ac:

$\text{C}_{16}\text{H}_{17}\text{BrO}_7$ M 401.2 Cryst. (Et_2O /pentane). Mp 149-150°. $[\alpha]_D^{20} - 60.5$ (c, 1.0 in CHCl_3).

Benzyl glycoside: [104292-62-8].

Cryst. (toluene). Mp 139-141°. $[\alpha]_D^{23} - 61$ (c, 0.9 in CDCl_3).

Benzyl glycoside, 2,3-O-isopropylidene:

[123836-17-9].

$\text{C}_{15}\text{H}_{19}\text{BrO}_4$ M 343.2 Syrup.

Me glycoside, 2,3-anhydro: [106966-39-6].

$\text{C}_6\text{H}_9\text{BrO}_3$ M 209.0 Syrup. Bp 85°. $[\alpha]_D^{20} - 68$ (c, 0.37 in CHCl_3).

 β -L-Pyranose-form

Benzyl glycoside: [112348-36-4].

Cryst. (EtOH). Mp 55-56°. $[\alpha]_D^{25} - 72$ (c, 0.47 in CHCl_3).

Benzyl glycoside, 2-benzoyl: [112348-34-2].

$\text{C}_{19}\text{H}_{19}\text{BrO}_5$ M 407.2 Syrup. $[\alpha]_D^{25} + 103$ (c, 0.68 in CHCl_3).

Benzyl glycoside, dibenzoyl: [112348-35-3].

$\text{C}_{26}\text{H}_{23}\text{BrO}_6$ M 511.3 Solid. $[\alpha]_D + 118$ (c, 0.94 in CHCl_3).

Benzyl glycoside, 2,3-O-isopropylidene:

[123836-23-7].

Syrup.

Kent, P.W. *et al*, *J.C.S.*, 1953, 416 (*Me pyranoside*)

Bock, K. *et al*, *J.C.S. Perkin I*, 1973, 1456 (α -L-pyr deriv, ir, pmr)

Canet, G. *et al*, *Carbohydr. Res.*, 1986, **152**, 292

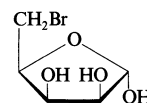
(α -L-Me gly, ir, pmr)

Sundin, A. *et al*, *J.O.C.*, 1986, **51**, 3927 (α -L-benzyl gly, α -D-benzyl gly, pmr, cmr)

Rao, M.V. *et al*, *J.O.C.*, 1988, **53**, 1432, 1184

(β -L-benzyl gly)

Keck, G.E. *et al*, *J.O.C.*, 1990, **54**, 5845 (*benzyl gly isopropylidene*)

5-Bromo-5-deoxylyxose**B-1-00260** α -D-Furanose-form

$\text{C}_5\text{H}_9\text{BrO}_4$ M 213.0

D-form [42854-92-2]

Syrup.

2,3-O-Isopropylidene: [121668-05-1].

$\text{C}_8\text{H}_{13}\text{BrO}_4$ M 253.0 Syrup.

 α -D-furanose-form

Benzyl glycoside, 2,3-O-isopropylidene:

[42854-91-1].

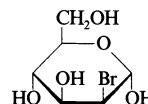
$\text{C}_{15}\text{H}_{19}\text{BrO}_4$ M 343.2 Liq. Bp_{0.03} 130°. $[\alpha]_D^{20} + 91.6$ (c, 1.31 in MeOH).

DL-form [36663-35-1]

Syrup.

Tamura, T. *et al*, *J.O.C.*, 1974, **39**, 38 (*D-form, α -D-fur deriv, pmr*)

Webb, T.H. *et al*, *Tet. Lett.*, 1988, **29**, 6823 (*D-isopropylidene*)

2-Bromo-2-deoxymannose**B-1-00261** α -D-Pyranose-form

$\text{C}_6\text{H}_{11}\text{BrO}_5$ M 243.0

D-form

Solid. Mp 120°. $[\alpha]_D^{18} + 2.72$ (H₂O).

 α -D-Pyranose-form

Tetra-Ac: [79733-39-4].

C₁₄H₁₉BrO₉ M 411.2 Syrup.

l-Benzoyl, 3,4,6-tri-Ac: [19237-69-5].

C₁₉H₂₁BrO₉ M 473.2 Cryst. Mp 168-169°. $[\alpha]_D^{28} + 62.3$ (c, 1.54 in CHCl₃).

Me glycoside: Methyl 2-bromo-2-deoxy- α -D-mannopyranoside

C₇H₁₃BrO₅ M 257.0 Syrup. $[\alpha]_D + 47.5$ (CHCl₃).

Me glycoside, tri-Ac: [63069-63-6].

C₁₃H₁₉BrO₈ M 383.1 Cryst. Mp 115-116°. $[\alpha]_D - 92$ (CCL₄).

Me glycoside, 4,6-O-benzylidene (R-):

[131564-60-8].

C₁₄H₁₇BrO₅ M 345.1 Cryst. (Et₂O/petrol). Mp 83-85° (77-78°). $[\alpha]_D + 18$ (c, 1.0 in CHCl₃).

Me glycoside, 4,6-O-benzylidene (R-), 3-Ac: [131564-61-9].

C₁₆H₁₉BrO₆ M 387.2 Cryst. $[\alpha]_D + 7.4$ (c, 1.0 in CH₂Cl₂).

Me glycoside, tribenzyl: [77770-58-2].

C₂₈H₃₁BrO₅ M 527.4 Syrup. $[\alpha]_D^{22} + 21$ (c, 1.0 in CHCl₃).

 β -D-Pyranose-form

Me glycoside: Methyl 2-bromo-2-deoxy- β -D-mannopyranoside

C₇H₁₃BrO₅ M 257.0 Cryst. Mp 181-182°. $[\alpha]_D - 64$ (H₂O).

Me glycoside, tri-Ac: Cryst. Mp 115-116°.

$[\alpha]_D - 92$ (CCL₄).

Me glycoside, tribenzyl: Syrup. $[\alpha]_D^{22} - 43$ (c, 1.25 in CHCl₃).

Manolopoulos, P.T. *et al*, *J.A.C.S.*, 1962, **84**, 2203 (β -Me gly)

Kent, P.W. *et al*, *J.C.S.*, 1963, 3273; 1964, 6196

(D-form, α -Me gly, α -Me gly benzylidene)

Gross, P.H. *et al*, *Annalen*, 1965, **681**, 225 (α -Me gly)

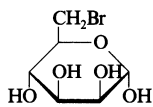
Hall, L.D. *et al*, *Chem. Comm.*, 1968, 35

(benzoyl, tri-Ac)

Classen, B., *Can. J. Chem.*, 1981, **59**, 339 (α -Me gly tribenzyl, β -Me gly tribenzyl)

Binkley, R.W. *et al*, *J. Carbohydr. Chem.*, 1987, **6**, 203 (*tetra-Ac*, *pmr*, *cmr*)

Khan, R. *et al*, *Carbohydr. Res.*, 1990, **205**, 211 (α -Me gly benzylidene, *pmr*, *cmr*, *ms*)

6-Bromo-6-deoxymannose**B-1-00262**

C₆H₁₁BrO₅ M 243.0

 α -D-Pyranose-form

Me glycoside: [52340-56-4].

C₇H₁₃BrO₅ M 257.0 Cryst. Mp 97-99°. $[\alpha]_D^{20} + 57$ (c, 1.5 in H₂O).

Me glycoside, tri-Ac: [30589-67-4].

C₁₃H₁₉BrO₈ M 383.1 Cryst. (cyclohexane). Mp 78-81°. $[\alpha]_D^{20} + 53$ (c, 0.1 in CHCl₃).

Me glycoside, 4-benzoyl: [18929-78-7].

C₁₄H₁₇BrO₆ M 361.1 Amorph. solid (Et₂O/pentane). $[\alpha]_D^{25} - 124$ (c, 2.39 in CHCl₃).

Me glycoside, 4-benzoyl, 2,3-di-Ac: [18929-80-1].

C₁₉H₂₁BrO₈ M 445.2 Cryst. (Et₂O/petrol). Mp 120-121°. $[\alpha]_D^{25} + 21$ (c, 1.09 in CHCl₃).

Me glycoside, 2,3-dibenzoyl: [135216-49-8].

C₂₁H₂₁BrO₈ M 465.2 Cryst. (EtOH). Mp 182-184°. $[\alpha]_D^{20} - 120$ (CHCl₃).

Me glycoside, 2,3-dibenzoyl, 4-tosyl: [135216-50-1].

C₂₈H₂₇BrO₉S M 619.4 Cryst. (EtOH). Mp 109-110°. $[\alpha]_D^{20} - 116$ (CHCl₃).

Me glycoside, tribenzoyl: [18929-79-8].

C₂₈H₂₅BrO₈ M 569.4 Cryst. Mp 180-181°. $[\alpha]_D^{25} - 115$ (c, 0.4 in CHCl₃).

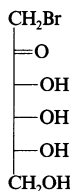
Levene, P.A. *et al*, *Coll. Czech. Chem. Comm.*, 1934, **6**, 354 (*Me gly*)

Horton, D. *et al*, *Carbohydr. Res.*, 1968, **7**, 101 (*tri-Ac*)

Hanessian, S. *et al*, *J.O.C.*, 1969, **34**, 1035 (*Me gly deriv*)

Shulman, M.L. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1973, 414; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1973, 394 (*tri-Ac*)

Cicero, D. *et al*, *Carbohydr. Res.*, 1991, **211**, 295 (*Me gly deriv*)

1-Bromo-1-deoxypsicosose**B-1-00263**

C₆H₁₁BrO₅ M 243.0

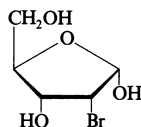
D-form

Tetra-Ac: [51296-43-6].

C₁₄H₁₉BrO₈ M 411.2 Cryst. Mp 77-79°. $[\alpha]_D - 15.1$ (CHCl₃).

Wolfrom, M.L. *et al*, *J.A.C.S.*, 1945, **67**, 1793 (*tetra-Ac*)

Vanek, T. *et al*, *Nucleic Acids Res., Spec. Publ.*, 1978, **4**, 173; *CA*, **90**, 87812w (*tetra-Ac*)

2-Bromo-2-deoxyribose**B-1-00264** α -D-Furanose-form

C₅H₉BrO₄ M 213.0

 α -D-Furanose-form

Me glycoside, dibenzoyl: [55734-54-8].

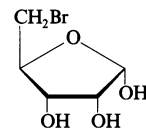
C₂₀H₁₉BrO₆ M 435.2 Syrup.

 β -D-Furanose-form [125155-49-9]

Syrup.

Bock, K. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 185 (α -fur deriv, *pmr*)

Ilicheva, I.A. *et al*, *Bioorg. Khim.*, 1989, **15**, 800; *Sov. J. Bioorg. Chem. (Engl. Transl.)*, 1989, **15**, 428 (β -fur)

5-Bromo-5-deoxyribose**B-1-00265** α -D-Furanose-form

C₅H₉BrO₄ M 213.0

 α -D-Furanose-form

Me glycoside, 2,3-O-isopropylidene: [120142-51-0].

C₉H₁₅BrO₄ M 267.1 Syrup.

 β -D-Furanose-form

2,3-Dibenzoyl, 1-Ac: [120033-32-1].

C₂₁H₁₉BrO₇ M 463.2 Cryst. (hexane). Mp 68.6-69°.

Me glycoside, 2,3-dibenzoyl: [120033-28-5].

C₂₀H₁₉BrO₆ M 435.2 Cryst. (hexane). Mp 60-61°.

Me glycoside, 2,3-O-isopropylidene: [38838-05-0].

Syrup. Bp_{0.1} 72°. $[\alpha]_D^{25} - 80$ (c, 2.61 in CHCl₃).

 β -L-Furanose-form

Me glycoside, 2,3-O-isopropylidene: [118244-91-0].

Liq. $[\alpha]_D^{25} + 65$ (c, 1.0 in CHCl₃).

 β -DL-Furanose-form

Me glycoside, 2,3-O-isopropylidene: [118244-92-1].

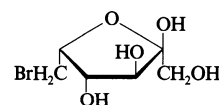
Liq.

Hanessian, S. *et al*, *Carbohydr. Res.*, 1972, **24**, 45 (β -Me gly deriv)

Kiss, J. *et al*, *Helv. Chim. Acta*, 1982, **65**, 1522 (*Me gly deriv*)

Wagner, J. *et al*, *Helv. Chim. Acta*, 1988, **71**, 624 (β -L-fur deriv, β -DL-fur deriv)

Raju, N. *et al*, *J. Med. Chem.*, 1989, **32**, 1307 (α -fur deriv, β -fur deriv)

6-Bromo-6-deoxysorbose**B-1-00266**

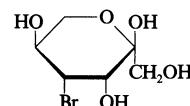
C₆H₁₁BrO₅ M 243.0

 α -L-Furanose-form

2,3-O-Isopropylidene: [121564-08-7].

C₉H₁₅BrO₅ M 283.1 Mp 109-110°. $[\alpha]_D^{20} + 13.6$ (c, 1.0 in MeOH).

Beaupere, D. *et al*, *J. Carbohydr. Chem.*, 1989, **8**, 159 (*isopropylidene*, *pmr*, *cmr*)

4-Bromo-4-deoxytagatose**B-1-00267** α -L-Pyranose-form

C₆H₁₁BrO₅ M 243.0

 α -L-Pyranose-form

Me glycoside, tri-Ac: [19877-24-8].

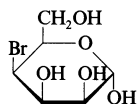
C₁₃H₁₉BrO₈ M 383.1 Cryst. (Et₂O/petrol). Mp 136-138°. $[\alpha]_D^{22} - 30.9$ (c, 1.05 in CHCl₃).

 β -Pyranose-form

Me glycoside, tri-Ac: [19877-75-9].

Syrup. $[\alpha]_D^{23} + 51.3$ (c, 0.83 in CHCl_3).

Katsuhara, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1968, **41**, 1208 (*tri-Ac*, *pmr*)

4-Bromo-4-deoxytalose**B-1-00268** α -D-Pyranose-form

$\text{C}_6\text{H}_{11}\text{BrO}_5$ M 243.0

 α -D-Pyranose-form

Me glycoside: [77770-63-9].

$\text{C}_7\text{H}_{13}\text{BrO}_5$ M 257.0 Cryst. (EtOAc/petrol). Mp 105°. $[\alpha]_D^{22} + 102$ (c, 1.0 in H_2O).

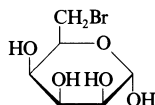
Me glycoside, tri-Ac: [77770-65-1].

$\text{C}_{13}\text{H}_{19}\text{BrO}_8$ M 383.1 Syrup.

Me glycoside, 6-trityl: [77770-64-0].

$\text{C}_{26}\text{H}_{27}\text{BrO}_5$ M 499.4 Syrup.

Classon, B. *et al*, *Can. J. Chem.*, 1981, **59**, 339 (α -*Me gly deriv*)

6-Bromo-6-deoxytalose**B-1-00269**

$\text{C}_6\text{H}_{11}\text{BrO}_5$ M 243.0

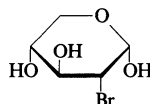
 α -D-Pyranose-form

Me glycoside, 2,3-anhydro, 4-benzoyl: [18929-81-2].

$\text{C}_{14}\text{H}_{15}\text{BrO}_5$ M 343.1 Cryst. (Et_2O /pentane). Mp 134-135°. $[\alpha]_D^{25} - 64$ (c, 0.3 in CHCl_3).

Hanessian, S. *et al*, *J.O.C.*, 1969, **34**, 1035 (*Me gly deriv, ir*)

Hanessian, S. *et al*, *Methods Carbohydr. Chem.*, 1972, **6**, 183 (*Me gly deriv*)

2-Bromo-2-deoxyxylose**B-1-00270** α -D-Pyranose-form

$\text{C}_5\text{H}_9\text{BrO}_4$ M 213.0

D-form

3,4-Dibenzoyl: [50271-31-3].

$\text{C}_{19}\text{H}_{17}\text{BrO}_6$ M 421.2 Cryst. (Et_2O /pentane). Mp 145-146°. $[\alpha]_D^{20} - 64.5$ $\rightarrow -30.8$ (equilib.) (c, 2.5 in CHCl_3).

 α -D-Pyranose-form

Tribenzoyl: [50271-36-8].

$\text{C}_{26}\text{H}_{21}\text{BrO}_7$ M 525.3 Syrup.

 β -D-Pyranose-form

1-Benzoyl, 3,4-di-Ac: [50271-22-2].

$\text{C}_{16}\text{H}_{17}\text{BrO}_7$ M 401.2 Cryst. (Et_2O /pentane). Mp 120-121°. $[\alpha]_D^{20} - 25$ (c, 1.8 in CHCl_3).

1,3-Dibenzoyl, 4-Ac: [50271-41-5].

$\text{C}_{21}\text{H}_{19}\text{BrO}_7$ M 463.2 Cryst. (Et_2O /pentane). Mp 65-68°. $[\alpha]_D^{21} + 20.5$ (c, 0.66 in CHCl_3).

 α -D-Furanose-form

Me glycoside, di-Ac: [55734-58-2].

$\text{C}_{10}\text{H}_{15}\text{BrO}_6$ M 311.1 Syrup.

Me glycoside, dibenzoyl: [55734-56-0].

$\text{C}_{20}\text{H}_{19}\text{BrO}_6$ M 435.2 Syrup. $[\alpha]_D^{21} + 163.1$ (c, 5.9 in CHCl_3).

 β -D-Furanose-form

Me glycoside, 5-Ac: [13051-98-4].

$\text{C}_8\text{H}_{13}\text{BrO}_5$ M 269.0 Oil. $[\alpha]_D^{22} - 35$ (c, 0.97 in CHCl_3).

Me glycoside, di-Ac: [55734-59-3].

Syrup.

Me glycoside, 3-benzoyl: [43168-70-3].

$\text{C}_{13}\text{H}_{15}\text{BrO}_5$ M 331.1 Syrup. $[\alpha]_D + 29$ (c, 3.3 in CCl_4).

Me glycoside, 5-benzoyl: [43168-69-0].

$\text{C}_{13}\text{H}_{15}\text{BrO}_5$ M 331.1 Syrup. $[\alpha]_D - 16.6$ (c, 4.7 in CCl_4).

Me glycoside, dibenzoyl: [43168-71-4].

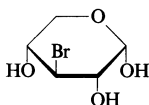
Cryst. (MeOH). Mp 67.5-68°. $[\alpha]_D - 6$ (c, 1.06 in CHCl_3).

Reist, E.J. *et al*, *Methods Carbohydr. Chem.*, 1972, **6**, 179 (β -*Me fur Ac, w, pmr*)

Ritchie, R.G.S. *et al*, *Chem. Ind. (London)*, 1973, 530 (β -*Me fur*)

Bock, K. *et al*, *J.C.S. Perkin 1*, 1973, 1456 (α -*pyr, \beta*-*pyr*)

Bock, K. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 185 (*D*-form, α -*Me fur*)

3-Bromo-3-deoxyxylose**B-1-00271** α -D-Pyranose-form

$\text{C}_5\text{H}_9\text{BrO}_4$ M 213.0

 α -D-Pyranose-form

Benzyl glycoside, dibenzoyl: [112483-00-8].

$\text{C}_{26}\text{H}_{23}\text{BrO}_6$ M 511.3 Syrup.

 β -D-Pyranose-form

Me glycoside:

$\text{C}_6\text{H}_{11}\text{BrO}_4$ M 227.0 Cryst. Mp 101-102°. $[\alpha]_D - 16.4$ (MeOH).

Benzyl glycoside, 2-Me: [128843-90-3].

$\text{C}_{13}\text{H}_{17}\text{BrO}_4$ M 317.1 Syrup.

Benzyl glycoside, 4-Me: [128843-91-4].

$\text{C}_{13}\text{H}_{17}\text{BrO}_4$ M 317.1 Cryst. (EtOAc/heptane). Mp 103-104°. $[\alpha]_D^{25} - 39$ (c, 1.7 in CHCl_3).

 α -D-Furanose-form

Me glycoside, di-Ac: [23259-83-8].

$\text{C}_{10}\text{H}_{15}\text{BrO}_6$ M 311.1 Oil.

Me glycoside, dibenzoyl: [54621-63-5].

$\text{C}_{20}\text{H}_{19}\text{BrO}_6$ M 435.2 Syrup.

 β -D-Furanose-form

Me glycoside, di-Ac: [23259-86-1].

Oil.

Me glycoside, dibenzoyl: [54621-64-6].

Syrup. $[\alpha]_D^{21} + 31.8$ (c, 3.0 in CHCl_3).

[112483-17-7]

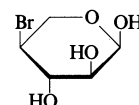
Kent, P.W. *et al*, *J.C.S.*, 1949, 1232 (β -*Me pyr*)

Reist, E.J. *et al*, *Carbohydr. Res.*, 1969, **9**, 71 (*Me gly di-Ac, pmr, ir*)

Jacobsen, S. *et al*, *Acta Chem. Scand., Ser. B*, 1974, **28**, 866 (*Me gly dibenzoyl*)

Rao, M.V. *et al*, *J.O.C.*, 1988, **53**, 1184 (α -*benzyl gly*)

Rehnberg, N. *et al*, *J.O.C.*, 1990, **55**, 5467 (β -*benzyl gly, pmr*)

4-Bromo-4-deoxyxylose**B-1-00272** α -L-Pyranose-form

$\text{C}_5\text{H}_9\text{BrO}_4$ M 213.0

 α -L-Pyranose-form

1,2-O-Benzylidene: [55169-80-7].

$\text{C}_{12}\text{H}_{13}\text{BrO}_4$ M 301.1 Mp 125-126°. $[\alpha]_D^{21} - 43.3$ (c, 1.7 in CHCl_3).

Me glycoside, dibenzoyl: [18930-05-7].

$\text{C}_{20}\text{H}_{19}\text{BrO}_6$ M 435.2 Cryst. (cyclohexane). Mp 109-110°. $[\alpha]_D^{25} - 129.7$ (c, 1.1 in CHCl_3).

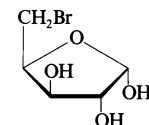
Me glycoside, 3-benzoyl, 2-Me: [54621-62-4].

$\text{C}_{14}\text{H}_{17}\text{BrO}_5$ M 345.1 Cryst. (Et_2O /pentane). Mp 73-74°. $[\alpha]_D^{21} - 76.2$ (c, 1.3 in CHCl_3).

[55169-81-8]

Jacobsen, S. *et al*, *Acta Chem. Scand., Ser. B*, 1974, **28**, 866, 1024 (*benzylidene, \alpha*-*Me gly deriv, pmr*)

Chana, J.S. *et al*, *Chem. Comm.*, 1988, 94 (α -*Me gly deriv*)

5-Bromo-5-deoxyxylose**B-1-00273** α -D-Furanose-form

$\text{C}_5\text{H}_9\text{BrO}_4$ M 213.0

D-form [42854-95-5]

Syrup.

 α -D-Furanose-form

1,2-O-Isopropylidene: [42854-94-4].

$\text{C}_8\text{H}_{13}\text{BrO}_4$ M 253.0 Needles (hexane). Mp 93-94°. $[\alpha]_D^{20} - 22.2$ (c, 1.58 in MeOH).

1,2-O-Isopropylidene, 3-benzoyl: [41164-25-4].

$\text{C}_{15}\text{H}_{17}\text{BrO}_5$ M 357.2 Glass. $[\alpha]_D^{25} - 46.6$ (c, 1.0 in CHCl_3).

1,2-O-Isopropylidene, 3-Me: [17954-93-7].

$\text{C}_9\text{H}_{15}\text{BrO}_4$ M 267.1 Syrup. $\text{Bp}_{0.2} 67^\circ$. $[\alpha]_D^{18} - 77.6$ (c, 1.0 in CHCl_3).

Me glycoside, di-Ac: [56570-73-1].

$\text{C}_{10}\text{H}_{15}\text{BrO}_6$ M 311.1 Syrup.

 β -D-Furanose-form

Me glycoside, di-Ac: [56587-55-4].

Cryst.

DL-form [36663-36-2]

Syrup.

Inokawa, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1968, **41**, 1472; 1973, **46**, 3301 (*3-Me*)

Culbertson, T.P. *et al*, *J.O.C.*, 1973, **38**, 3624 (*3-benzoyl, pmr*)

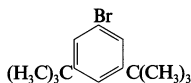
Tamura, T. *et al*, *J.O.C.*, 1974, **39**, 38 (*synth, D-form, DL-form, isopropylidene, pmr, ir*)

Hollenberg, D.H. *et al*, *Carbohydr. Res.*, 1975, **42**, 241 (*3-benzoyl, \alpha*-*Me gly di-Ac, \beta*-*Me gly di-Ac, pmr*)

Pan, C. *et al*, *CA*, 1989, **110**, 8765p (*isopropylidene*)

1-Bromo-3,5-di-*tert*-butylbenzene

B-1-00274

1-Bromo-3,5-bis(1,1-dimethylethyl)benzene
[22385-77-9]C₁₄H₂₁Br M 269.2Cryst. (EtOH or hexane). Mp 64-64.5°. Bp₁ 50-84°.Bartlett, P.D. *et al*, *J.A.C.S.*, 1954, **76**, 2349.
Burgers, J. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1956, **75**, 1327 (*synth*)de Konig, A.J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1982, **101**, 385 (*pmr*)Murphy, S. *et al*, *J.O.C.*, 1995, **60**, 2411 (*synth*, *pmr*, *cmr*, *ms*)**2-Bromo-1,3-di-*tert*-butylbenzene**

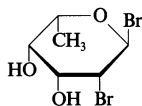
B-1-00275

2-Bromo-1,3-bis(1,1-dimethylethyl)benzene
[19715-32-3]C₁₄H₂₁Br M 269.2
Oil. Bp_{0.1} 76-77°.Rundel, W., *Chem. Ber.*, 1968, **101**, 2956 (*synth*, *ir*, *pmr*)Yoshifujii, M. *et al*, *Tet. Lett.*, 1989, **30**, 5433 (*synth*)**2-Bromo-1,4-di-*tert*-butylbenzene**

B-1-00276

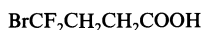
2-Bromo-1,4-bis(1,1-dimethylethyl)benzene
[6683-74-5]C₁₄H₂₁Br M 269.2
Oil. Bp₁₂ 150°, Bp_{0.4} 94-98°.Theilacker, W. *et al*, *Chem. Ber.*, 1969, **102**, 2020 (*synth*)Edler, R. *et al*, *Chem. Ber.*, 1989, **122**, 187 (*synth*, *ir*, *pmr*)**2-Bromo-2,6-dideoxytalopyranosyl bromide**

B-1-00277

C₆H₁₀Br₂O₃ M 289.9*α-L-form**Di-Ac*: [103321-25-1].C₁₀H₁₄Br₂O₅ M 374.0 Syrup. [α]_D²² -77 (c, 1.4 in CH₂Cl₂).Horton, D. *et al*, *J.O.C.*, 1986, **51**, 3479 (*di-Ac*, *ms*, *cmr*, *pmr*)**4-Bromo-4,4-difluorobutanoic acid**

B-1-00278

[147345-36-6]

C₄H₅BrF₂O₂ M 202.9*Et ester*:C₆H₉BrF₂O₂ M 231.0 Oil. Bp₂₅ 78-80°.Hu, C. *et al*, *Chem. Comm.*, 1993, 72 (*synth*, *pmr*, *F-19 nmr*, *ir*, *ms*)**4-Bromo-2,6-difluorophenol**

B-1-00279

[104197-13-9]

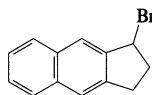
C₆H₃BrF₂O M 208.9
Oil.*Me ether*: [104197-14-0]. *5-Bromo-1,3-difluoro-2-methoxybenzene*. *4-Bromo-2,6-difluoroanisole*C₇H₅BrF₂O M 223.0 Bp₁₅ 80-100°.Kruse, L.L. *et al*, *Biochemistry*, 1986, **25**, 7271 (*synth*, *pmr*)**3-Bromo-3,3-difluoropropene**

B-1-00280

[420-90-6]

C₃H₃BrF₂ M 156.9d 1.54. Bp 42°. n_D²⁵ 1.3773.Tarrant, P. *et al*, *J.A.C.S.*, 1955, **77**, 2783 (*synth*)**1-Bromo-2,3-dihydro-1*H*-benz[*f*]indene, 9CI**

B-1-00281

*1-Bromobenz[*f*]indane*
[146000-51-3]C₁₃H₁₁Br M 247.1*(±)-form*Yellow-brown solid (Et₂O/pentane). Mp 67-69°.Josien, H. *et al*, *J. Med. Chem.*, 1994, **37**, 1586 (*synth*, *pmr*)**2-Bromo-3,3-dimethyl-1-butene, 9CI**

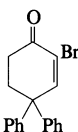
B-1-00282

[33693-77-5]

C₆H₁₁Br M 163.0Yellow liq. Bp₁₀₀ 60°. n_D²⁵ 1.457.Pross, A. *et al*, *Aust. J. Chem.*, 1971, **24**, 1437 (*synth*, *ir*, *pmr*)Kropp, P.J. *et al*, *J.O.C.*, 1994, **59**, 3102 (*synth*, *pmr*)**2-Bromo-4,4-diphenyl-2-cyclohexene-1-one, 9CI**

B-1-00283

[94331-87-0]

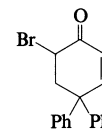
C₁₈H₁₅BrO M 327.2

Cryst. (heptane). Mp 166.5-167.5°.

Bordwell, F.G. *et al*, *J.O.C.*, 1963, **28**, 2544 (*synth*, *ir*)Malleron, J.-L. *et al*, *Synth. Commun.*, 1995, **25**, 2355 (*synth*)**6-Bromo-4,4-diphenyl-2-cyclohexen-1-one, 9CI**

B-1-00284

[33733-00-5]

C₁₈H₁₅BrO M 327.2*(±)-form*

Cryst. (hexane or EtOH). Mp 85-86°, Mp 108-112°.

Bordwell, F.G. *et al*, *J.O.C.*, 1963, **28**, 2544 (*synth*, *ir*)Zimmerman, H.E. *et al*, *J.A.C.S.*, 1971, **93**, 3653 (*synth*, *ir*, *pmr*)Matoba, K. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 4721 (*synth*, *pmr*, *ms*)**2-Bromodiphenyl ether**

B-1-00285

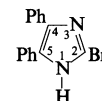
1-Bromo-2-phenoxybenzene, 9CI. o-Bromophenyl phenyl ether, 8CI
[7025-06-1]C₁₂H₉BrO M 249.1Cryst. (MeOH). Mp 43.5-44.5°. Bp_{0.1} 97-100°.Sax, K.J. *et al*, *J.O.C.*, 1960, **25**, 1590 (*synth*)
Ames, D.E. *et al*, *Synthesis*, 1983, 234 (*synth*)**3-Bromodiphenyl ether**

B-1-00286

1-Bromo-3-phenoxybenzene, 9CI. m-Bromophenyl phenyl ether, 8CI
[6876-00-2]C₁₂H₉BrO M 249.1Liq. Bp₁₅ 168-171°, Bp₁₀ 156-158°.Gilman, H. *et al*, *J.O.C.*, 1960, **25**, 1194 (*synth*)
Sax, K.J. *et al*, *J.O.C.*, 1960, **25**, 1590 (*synth*)**2-Bromo-4,5-diphenyl-1*H*-imidazole, 9CI**

B-1-00287

[69045-24-5]

C₁₅H₁₁BrN₂ M 299.1

Solid (MeCN). Mp 153-155°.

Higley, C.A. *et al*, *J. Med. Chem.*, 1994, **37**, 3511 (*synth*, *pmr*)**2-Bromodiphenylmethane**

B-1-00288

1-Bromo-2-(phenylmethyl)benzene, 9CI. (o-Bromophenyl)phenylmethane, 8CI. 1-Benzyl-2-bromobenzene
[23450-18-2]C₁₃H₁₁Br M 247.1Liq. Bp_{21.5} 179-183°, Bp₁₆ 166-167°, Bp₁ 119-122°.

Vingiglio, F.A. *et al*, *J.A.C.S.*, 1960, **25**, 2091 (synth)
 Holt, P.F. *et al*, *J.C.S.*, 1961, 1405 (synth)
 Barnes, I. *et al*, *J. Chem. Technol. Biotechnol.*, 1980, **30**, 731 (synth)

3-Bromodiphenylmethane B-1-00289

1-Bromo-3-(phenylmethyl)benzene, 9CI. (*m-Bromophenyl*)phenylmethane, 8CI. *1-Benzyl-3-bromobenzene*

[27798-39-6]

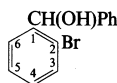
$C_{13}H_{11}Br$ M 247.1
 Bp_{1,0} 129-130°. n_D^{20} 1.6056.

Holt, P.F. *et al*, *J.C.S.*, 1961, 1405 (synth)

2-Bromodiphenylmethanol B-1-00290

2-Bromo- α -phenylbenzenemethanol, 9CI. *2-Bromobenzhydrol*, 8CI

[59142-47-1]



$C_{13}H_{11}BrO$ M 263.1

(+)-*form* [143880-79-9]

Oil. $[\alpha]_D^{20}$ +46.6 (c, 1.3 in Me₂CO) (95% ee).

(±)-*form* [137474-26-1]

Cryst. (petrol or C₆H₆/hexane). Mp 57-59°.

Me ether: [59142-71-1]. *1-Bromo-2-(methoxyphenylmethyl)benzene*, 9CI
 $C_{14}H_{13}BrO$ M 277.1 Pale yellow liq.
 Bp_{0,2} 125-128°.

[143880-86-8]

Koopal, S.A., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1915, **34**, 8, 158 (synth)

Bachmann, W.E. *et al*, *J.O.C.*, 1948, **13**, 916 (synth)

Martin, L.L. *et al*, *J. Med. Chem.*, 1976, **19**, 1315 (synth)

Brown, E. *et al*, *Tetrahedron: Asymmetry*, 1992, **3**, 841 (synth, ir, pmr)

3-Bromodiphenylmethanol B-1-00291

3-Bromo- α -phenylbenzenemethanol, 9CI. *3-Bromobenzhydrol*, 8CI

[63012-04-4]

$C_{13}H_{11}BrO$ M 263.1

(+)-*form* [123436-11-3]

Needles (petrol). Mp 56° (51-52°). $[\alpha]_D^{20}$ +33.8 (c, 2.5 in THF) (>95% ee).

(-)-*form* [123436-15-7]

Needles (petrol). Mp 56° (51-52°). $[\alpha]_D^{20}$ -34.2 (c, 2.5 in THF) (>95% ee).

(±)-*form* [137474-25-0]

Cryst. Mp 44°.

Ac:

$C_{15}H_{13}BrO_2$ M 305.1 Bp_{0,3} 138-140°.

Bachmann, W.E. *et al*, *J.O.C.*, 1948, **13**, 916 (synth)

Puckowski, R.T. *et al*, *J.C.S.*, 1959, 3555 (resoln)

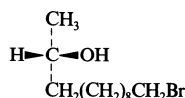
Wang, J.-T. *et al*, *Synthesis*, 1989, 291 (synth, ir, pmr)

Wang, J.-T. *et al*, *Chin. Chem. Lett.*, 1991, **2**, 349 (synth)

Toda, F. *et al*, *Tetrahedron: Asymmetry*, 1991, **2**, 873 (resoln)

12-Bromo-2-dodecanol B-1-00292

[141812-63-7]



$C_{12}H_{25}BrO$ M 265.2

(S)-*form*

Oil. $[\alpha]_D^{20}$ +2.6 (c, 0.6 in CHCl₃).

Baldwin, J.E. *et al*, *Tetrahedron*, 1992, **48**, 3413 (synth, pmr, ir, ms)

Enders, D. *et al*, *Annalen*, 1995, 1185 (S-*form*, synth, ir, pmr, cmr, ms)

(2-Bromoethyl) dimethylsulfonium(1+), 9CI B-1-00293

BrCH₂CH₂S⁺Me₂

$C_4H_{10}BrS^+$ M 170.0 (ion)

Bromide: [28346-35-2]. *BES*

$C_4H_{10}Br_2S$ M 249.9 Cryst. (MeOH).
 Mp 146-147° dec.

Iodide:

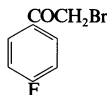
$C_4H_{10}BrIS$ M 296.9 Cryst. (MeOH).
 Mp 102° dec.

Doering, Wv.E. *et al*, *J.A.C.S.*, 1955, **77**, 514 (synth)

2-Bromo-4'-fluoroacetophenone B-1-00294

2-Bromo-1-(4-fluorophenyl)ethanone, 9CI. *p-Fluorophenacyl bromide*. *1-(Bromoacetyl)-4-fluorobenzene*

[403-29-2]



C_8H_6BrFO M 217.0

Mp 48-50°. Bp₁₂ 150°.

2,4-Dinitrophenylhydrazone: [7604-30-0].

Mp 212°.

[112368-54-4]

Buu Hoi, N.-H. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1949, **68**, 781 (synth)

Kitano, H. *et al*, *Kogyo Kagaku Zasshi*, 1955, **58**, 54; *CA*, **50**, 3293 (synth)

Henry, R.A. *et al*, *J.O.C.*, 1990, **55**, 1796 (synth)

2'-Bromo-4'-fluoroacetophenone, 8CI B-1-00295

1-(2-Bromo-4-fluorophenyl)ethanone, 9CI

[1006-39-9]



C_8H_6BrFO M 217.0

Bp₁₀ 128-130°. n_D^{22} 1.5459.

Oxime:

C_8H_7BrFNO M 232.0 Cryst. (MeOH). Mp 104°.

Dinitrophenylhydrazone: Orange cryst.

(AcOH). Mp 178°.

Thiosemicarbazide: Cryst. (EtOH). Mp 185°.

Quang, N.N. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1964, **83**, 1142 (synth)

5-Bromo-3-furancarboxaldehyde, 9CI B-1-00296

2-Bromo-4-formylfuran

[63387-54-2]

$C_5H_3BrO_2$ M 174.9

Oil. Bp_{0,25} 55°.

Eur. Pat., 372 940, (1990); *CA*, **113**, 191137j (synth, pmr)

1-Bromo-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctane, 9CI B-1-00297

Perflubron, INN, USAN. *Perfluorooctyl bromide*

[423-55-2]

$F_3C(CF_2)_6CF_2Br$

C_8BrF_{17} M 498.9

Imaging agent for x-ray, ultrasound and pmr. Synthetic blood oxygen carrier. Bp 142°. Component of Oxygent and Imagent.

▶ LD₅₀ (mus, ivn) 14720 mg/kg. RG8700000.

Haszeldine, R.N., *J.C.S.*, 1953, 3761 (synth)

U.S. Pat., 3 456 024, (1969) (*Dow Corning*); *CA*, **71**, 70078w (synth)

Lee, F.H. *et al*, *J. Pharm. Sci.*, 1978, **67**, 1038 (*metab*)

Patronas, N. *et al*, *Invest. Radiol.*, 1984, **19**, 570 (*use*)

Long, D.M. *et al*, *Biomater. Artif. Cells, Artif. Organs*, 1988, **16**, 411 (*rev*)

Freeman, D.M. *et al*, *Magn. Reson. Imaging*, 1988, **6**, 61 (*F-19 nmr*)

Andre, M. *et al*, *Invest. Radiol.*, 1990, **25**, 983 (*use*)

Mattrey, R.F. *et al*, *Biomater. Artif. Cells, Immobil. Biotech.*, 1992, **20**, 917; 1994, **22**, 1441, 1491, 1501 (*use*)

Biro, G.P., *Transfus. Med. Rev.*, 1993, **7**, 84 (*rev*)

Ohyanagi, H., *Artificial Red Cells*, (Ed., Tsuchida E.), J. Wiley, 1995, 199 (*rev*)

7-Bromoheptanal, 9CI B-1-00298

[54005-84-4]

BrCH₂(CH₂)₅CHO

$C_7H_{13}BrO$ M 193.0

Bp₁ 95°, Bp_{0,3} 80°.

Di-Me acetal: [130129-93-0]. *7-Bromo-1,1-dimethoxyheptane*, 9CI

$C_9H_{19}BrO_2$ M 239.1 Oil. Bp_{1,7} 76-78°.

Kuwahara, S. *et al*, *Biosci., Biotechnol., Biochem.*, 1992, **56**, 1417 (*di-Me acetal*)

Bestmann, H.J. *et al*, *Synthesis*, 1993, 149 (synth, pmr)

Ballini, R. *et al*, *Helv. Chim. Acta*, 1995, **78**, 879 (synth, pmr)

7-Bromo-2-heptanone, 9CI B-1-00299

[50775-02-5]

BrCH₂(CH₂)₄COCH₃

$C_7H_{13}BrO$ M 193.0

Liq. Bp₂₀ 118°, Bp_{0,8} 68-70°. n_D^{20} 1.4707.

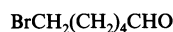
Semicarbazone: Mp 137°.

Minisci, F. *et al*, *Gazz. Chim. Ital.*, 1960, **90**, 1299 (synth)

Cuvigny, T. *et al*, *Annalen*, 1975, 719 (synth, pmr, ir)

Labadie, J.W. *et al*, *J.O.C.*, 1983, **48**, 4634
(*synth*, *pmr*)
Enders, D. *et al*, *Annalen*, 1995, 1173 (*synth*)

6-Bromo-hexanal, 9CI **B-1-00300**
[57978-00-4]



$\text{C}_6\text{H}_{11}\text{BrO}$ M 179.0
Bp₁₄ 106-107°. n_D^{20} 1.4788.

2,4-Dinitrophenylhydrazone: [93715-86-7].
Mp 92-93°.

Brown, H.C. *et al*, *J.A.C.S.*, 1984, **106**, 8001
(*synth*)

Bestmann, H.J. *et al*, *Synthesis*, 1993, 149
(*synth*, *pmr*)

3-Bromo-6-hydroxy-2-methylpyridine **B-1-00301**

5-Bromo-6-methyl-2(1H)-pyridinone, 9CI

[54923-31-8]

$\text{C}_6\text{H}_6\text{BrNO}$ M 188.0

NH-form

Needles (EtOH). Mp 204°.

OH-form

Me ether: [126717-59-7]. 3-Bromo-6-methoxy-2-methylpyridine, 9CI

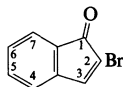
$\text{C}_7\text{H}_8\text{BrNO}$ M 202.0 Oil. Bp₆ 95-96°.

Adams, R. *et al*, *J.A.C.S.*, 1949, **71**, 1186
(*synth*)

Shiao, M.-J. *et al*, *Heterocycles*, 1990, **31**, 819
(*Me ether*)

Langlois, Y. *et al*, *Synth. Commun.*, 1994, **24**,
1367 (*Me ether*)

2-Bromo-1H-inden-1-one, 9CI **B-1-00302**
[50870-60-5]



$\text{C}_9\text{H}_7\text{BrO}$ M 209.0
Low melting brown-orange solid.

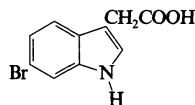
Boger, D.L. *et al*, *J.O.C.*, 1994, **59**, 3453 (*synth*,
pmr, *cmr*, *ir*)

3-Bromo-1H-inden-1-one **B-1-00303**
[90271-93-5]

$\text{C}_9\text{H}_7\text{BrO}$ M 209.0
Yellow needles. Mp 57.5-58°.

Straus, F. *et al*, *Ber.*, 1933, **66**, 1847 (*synth*)

6-Bromo-1H-indole-3-acetic acid **B-1-00304**



$\text{C}_{10}\text{H}_8\text{BrNO}_2$ M 254.0

Me ester: [152213-63-3]. Methyl 6-bromo-1H-indole-3-acetate, 9CI

$\text{C}_{11}\text{H}_{10}\text{BrNO}_2$ M 268.1 Alkaloid from
the marine sponge *Pseudosuberites*
hyalinus. Oil.

Amide: [152213-62-2]. 6-Bromo-1H-indole-3-
acetamide, 9CI

$\text{C}_{10}\text{H}_9\text{BrN}_2\text{O}$ M 253.0 Alkaloid from
the marine sponge *P. hyalinus*. Mp 148-
150°.

Nitrile: [152213-61-1]. 6-Bromo-1H-indole-3-
acetonitrile, 9CI. 6-Bromo-3-(cyanomethyl)
indole

$\text{C}_{10}\text{H}_7\text{BrN}_2$ M 235.0 Alkaloid from
the marine sponge *P. hyalinus*. Mp 114-
115°.

Rasmussen, T. *et al*, *J. Nat. Prod.*, 1993, **56**,
1553.

1-Bromo-3-iodobicyclo[1.1.1]pentane **B-1-00305**

[136863-39-3]



$\text{C}_5\text{H}_6\text{BrI}$ M 272.9

Cryst. by subl. Mp 125-127°.

Della, E.W. *et al*, *J.O.C.*, 1994, **59**, 2986 (*synth*,
pmr, *cmr*, *ms*)

3'-Bromo-2-iodobiphenyl **B-1-00306**

$\text{C}_{12}\text{H}_8\text{BrI}$ M 359.0

Oil. Bp_{0.3} 145-147°.

Gioanola, M. *et al*, *Tetrahedron*, 1995, **51**, 2039
(*synth*, *pmr*, *ms*)

2-Bromo-3-iodothiophene **B-1-00307**

[24287-92-1]



$\text{C}_4\text{H}_2\text{BrIS}$ M 288.9

Liq. Bp₁₀ 106-109°.

Gronowitz, S. *et al*, *Acta Chem. Scand.*, 1969,
23, 2207 (*synth*, *pmr*)

2-Bromo-4-iodothiophene **B-1-00308**

[60729-35-3]

$\text{C}_4\text{H}_2\text{BrIS}$ M 288.9

Liq. Bp₁₀ 106-108°.

Gronowitz, S. *et al*, *Acta Chem. Scand., Ser. B*,
1976, **30**, 505 (*synth*, *pmr*)

Wellmar, U. *et al*, *J. Het. Chem.*, 1995, **32**, 1159
(*synth*)

2-Bromo-5-iodothiophene **B-1-00309**

[29504-81-2]

$\text{C}_4\text{H}_2\text{BrIS}$ M 288.9

Liq. Bp₁₇ 116-118°.

Suzuki, H. *et al*, *Bull. Inst. Chem. Res., Kyoto*
Univ., 1974, **52**, 561 (*synth*)

Gronowitz, S. *et al*, *Acta Chem. Scand., Ser. B*,
1976, **30**, 423 (*synth*, *pmr*)

3-Bromo-2-iodothiophene **B-1-00310**

[60404-24-2]

$\text{C}_4\text{H}_2\text{BrIS}$ M 288.9

Liq. Bp₉ 108-110°.

Gronowitz, S. *et al*, *Acta Chem. Scand., Ser. B*,
1976, **30**, 423 (*synth*, *pmr*)

Meunier, P. *et al*, *Can. J. Chem.*, 1977, **55**, 3901
(*synth*, *pmr*)

3-Bromo-4-iodothiophene **B-1-00311**

[73882-41-4]

$\text{C}_4\text{H}_2\text{BrIS}$ M 288.9

Liq. Bp_{3.5} 107-110°.

Gronowitz, S. *et al*, *J. Het. Chem.*, 1980, **17**,
171 (*synth*, *pmr*, *ms*)

Spagnolo, P. *et al*, *J.O.C.*, 1982, **47**, 3177 (*synth*,
pmr)

4-Bromo-2-iodothiophene **B-1-00312**

[73882-40-3]

$\text{C}_4\text{H}_2\text{BrIS}$ M 288.9

Liq. Bp₁ 70-80°.

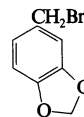
Gronowitz, S. *et al*, *Ark. Kemi*, 1960, **16**, 309
(*synth*)

Gronowitz, S. *et al*, *J. Het. Chem.*, 1980, **17**,
171 (*synth*, *pmr*, *ms*)

5-(Bromomethyl)-1,3-benzodioxole, 9CI **B-1-00313**

3,4-Methylenedioxybenzyl bromide

[2606-51-1]



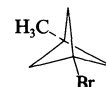
$\text{C}_8\text{H}_7\text{BrO}_2$ M 215.0

Cryst. (hexane). Mp 49-50° (45.5-47°).

Weinstein, B. *et al*, *J.O.C.*, 1976, **41**, 875 (*synth*)
van Oeveren, A. *et al*, *J.O.C.*, 1994, **59**, 5999
(*synth*, *pmr*, *cmr*)

1-Bromo-3-methylbicyclo[1.1.1]pentane **B-1-00314**

[137741-15-2]



$\text{C}_6\text{H}_9\text{Br}$ M 161.0

Liq. Bp₅₀ 80° (Kugelrohr).

Della, E.W. *et al*, *J.O.C.*, 1994, **59**, 2986 (*synth*,
pmr, *cmr*, *ms*)

3-Bromo-2-methyl-1,1'-biphenyl, 9CI **B-1-00315**

2-Bromo-6-phenyltoluene

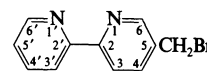
$\text{C}_{13}\text{H}_{11}\text{Br}$ M 247.1

Oil.

Cullen, K.E. *et al*, *J.C.S. Perkin 1*, 1995, 2565
(*synth*, *pmr*, *ms*)

5-(Bromomethyl)-2,2'-bipyridine, 9CI **B-1-00316**

[98007-15-9]



$\text{C}_{11}\text{H}_9\text{BrN}_2$ M 249.1

Pale yellow solid or cryst. (hexane). Mp 72-
73°.

Uenishi, J. *et al*, *J.O.C.*, 1993, **54**, 4382 (*synth*,
pmr, *cmr*, *ms*)

Imperiali, B. *et al*, *J.O.C.*, 1993, **58**, 1613 (*synth*,
pmr, *cmr*, *ir*, *w*)

6-(Bromomethyl)-2,2'-bipyridine, 9CI

B-1-00317

[83478-63-1]

C₁₁H₉BrN₂ M 249.1Cryst. (hexane/C₆H₆). Mp 68-69° (65.5-67°).Newkome, G.R. *et al.* *Inorg. Chem.*, 1983, **22**, 171 (*synth, pmr, ir, ms*)Uenishi, J. *et al.* *J.O.C.*, 1993, **58**, 4382 (*synth, pmr*)**2-(Bromomethyl)-1-butanol, 9CI**

B-1-00318

3-Bromo-2-ethyl-1-propanol

H₃CCH₂CH(CH₂OH)CH₂BrC₈H₁₁BrO M 167.0(±)-*form* [155529-25-2]

Pale yellow oil.

Ihara, M. *et al.* *J.O.C.*, 1994, **59**, 5317 (*synth, ir, pmr*)**3-Bromo-3-methyl-2-butanone, 9CI**

B-1-00319

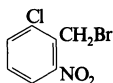
[2648-71-7]

(H₃C)₂CBrCOCH₃C₅H₉BrO M 165.0Liq. Bp₁₅₀ 83-84°, Bp₃₅ 50-54° (92% pure).Favorsky, A., *J. Prakt. Chem.*, 1913, **88**, 641 (*synth*)Takayanagi, H. *et al.* *J.C.S. Perkin 1*, 1995, 751 (*synth*)**2-(Bromomethyl)-1-chloro-3-nitrobenzene**

B-1-00320

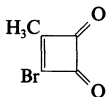
2-Chloro-6-nitrobenzyl bromide

[56433-01-3]

C₇H₅BrClNO₂ M 250.4
Mp 48-50°. Bp₁₅ 134°.Gindraux, L., *Helv. Chim. Acta*, 1929, **12**, 931.**3-Bromo-4-methyl-3-cyclobutene-1,2-dione**

B-1-00321

[130837-46-6]

C₅H₃BrO₂ M 174.9
Yellow oil. Bp_{0.5} 78-81°.Liebesind, L.S. *et al.* *J.A.C.S.*, 1993, **115**, 9048 (*synth, ir, pmr*)**1-Bromo-1-methylcyclohexane, 9CI**

B-1-00322

[931-77-1]

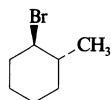
C₇H₁₃Br M 177.0

Liq. Bp 159-160°.

Landini, D. *et al.* *J.O.C.*, 1980, **45**, 3527 (*synth*)Kim, S. *et al.* *J.O.C.*, 1988, **53**, 3111 (*synth*)**1-Bromo-2-methylcyclohexane, 9CI**

B-1-00323

[6294-39-9]

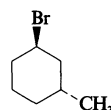
(1*RS*,2*RS*)-*form*C₇H₁₃Br M 177.0(1*RS*,2*RS*)-*form* [28046-85-7](±)-*trans-form*Liq. Bp₂₅ 73-74° (87% *trans*).(1*RS*,2*SR*)-*form* [28046-84-6](±)-*cis-form*Liq. Bp₄₀ 87° (>95% *cis*).Schneider, H.-J. *et al.* *J.O.C.*, 1978, **43**, 3866 (*cmr*)Kitching, W. *et al.* *J.O.C.*, 1982, **47**, 1893

(synth, pmr)

1-Bromo-3-methylcyclohexane, 9CI

B-1-00324

[13905-48-1]

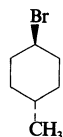
(1*RS*,3*RS*)-*form*C₇H₁₃Br M 177.0(1*RS*,3*RS*)-*form* [28046-89-1](±)-*trans-form*Liq. Bp₄₀ 84-86° (90% *trans*).(1*RS*,3*SR*)-*form* [28046-88-0](±)-*cis-form*Liq. Bp₂₀ 67-69° (85% *cis*).Schneider, H.J. *et al.* *J.O.C.*, 1978, **43**, 3866 (*cmr*)Kitching, W. *et al.* *J.O.C.*, 1982, **47**, 1893

(synth, pmr)

1-Bromo-4-methylcyclohexane, 9CI

B-1-00325

[6294-40-2]

(1*RS*,4*RS*)-*form*C₇H₁₃Br M 177.0(1*RS*,4*RS*)-*form* [28046-91-5]*trans-form*Liq. Bp₂₀ 69° (>95% *trans*).(1*RS*,4*SR*)-*form* [28046-90-4]*cis-form*Liq. Bp₂₀ 72° (>95% *cis*).Kitching, W. *et al.* *J.O.C.*, 1982, **47**, 1893

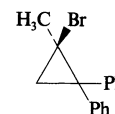
(synth, pmr)

Olszowy, H.A. *et al.* *Organometallics*, 1984, **3**, 1676 (*synth, cmr*)**1-Bromo-1-methyl-2,2-diphenylcyclopropane, 8CI**

B-1-00326

1,1'-(2-Bromo-2-methylcyclopropylidene)bisbenzene, 9CI

[27468-37-7]

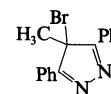
(R)-*form*C₁₆H₁₅Br M 287.1(R)-*form* [4542-82-9]Cryst. Mp 82-83°. [α]_D^{25.5} -111.6 (c, 1.0 in CHCl₃).(S)-*form* [6526-76-7]Cryst. Mp 84-85° (81-82°). [α]_D^{25.5} +111.6 (c, 1.0 in CHCl₃).(±)-*form* [10439-29-9]

Pale yellow solid (MeOH). Mp 82-84°.

Walborsky, H.M. *et al.* *J.A.C.S.*, 1959, **81**,5835; 1961, **83**, 2517; 1964, **86**, 3283 (*synth*)Walborsky, H.M. *et al.* *J. Organomet. Chem.*, 1973, **51**, 31, 55 (*synth*)**4-Bromo-4-methyl-3,5-diphenyl-4H-pyrazole, 9CI**

B-1-00327

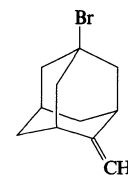
[159501-71-0]

C₁₆H₁₃BrN₂ M 313.1Yellow powder (CH₂Cl₂/pentane). Mp 130-132°.Adam, W. *et al.* *J.O.C.*, 1994, **59**, 7067 (*synth, ir, pmr, uv, cmr*)**1-Bromo-4-methyleneadamantane**

B-1-00328

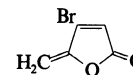
1-Bromo-4-methylenetricyclo[3.3.1.1^{3,7}]decane, 9CI

[155396-27-3]

C₁₁H₁₅Br M 227.1Oil. n_D²⁵ 1.5500.Adcock, W. *et al.* *J.O.C.*, 1994, **59**, 1867 (*synth, pmr, cmr*)**4-Bromo-5-methylene-2(5H)-furanone**

B-1-00329

[132334-61-3]

C₅H₃BrO₂ M 174.9Cryst. (hexane/Et₂O). Mp 59-61° dec.de March, P. *et al.* *J.O.C.*, 1995, **60**, 1814 (*synth, ir, pmr, cmr, ms*)

2-Bromo-3-methylfuran B-1-00330
[64230-60-0]

C_5H_5BrO M 160.9
Bp₆₀ 56-57°, Bp₁₂ 28-30°.

► Polymerises explosively on exposure to air at 20°.

Prugh, J.D. *et al*, *J.O.C.*, 1964, **29**, 1991 (*synth, pmr, glc, haz*)
Takeda, A. *et al*, *Bull. Chem. Soc. Jpn.*, 1977, **50**, 1903 (*synth, ir, pmr*)
Bock, I. *et al*, *Tetrahedron*, 1990, **46**, 1199 (*synth, pmr*)

2-Bromo-4-methylfuran B-1-00331
[78259-59-3]

C_5H_5BrO M 160.9
Liq. Bp 138-144°.

Knight, D.W. *et al*, *J.C.S. Perkin 1*, 1981, 679 (*synth, ir, pmr*)

3-Bromo-2-methylfuran B-1-00332
[83457-06-1]

C_5H_5BrO M 160.9
Liq. Bp 124-127°.

Koyanagi, J. *et al*, *J. Het. Chem.*, 1994, **31**, 1093 (*synth, pmr, ms*)

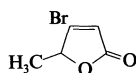
4-Bromo-2-methylfuran B-1-00333
[24666-43-1]

C_5H_5BrO M 160.9
Liq. Bp 132-134° (126-129°), Bp₆₀ 60-62°.

Koyanagi, J. *et al*, *J. Het. Chem.*, 1994, **31**, 1093 (*synth, pmr, ms*)

4-Bromo-5-methyl-2(5H)-furanone, 9CI B-1-00334

3-Bromo-2-pentenolide
[130077-93-9]



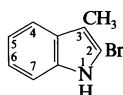
$C_5H_5BrO_2$ M 176.9

(±)-*form*
Cryst. (pentane). Mp 52-53°.

Shaw, E., *J.A.C.S.*, 1946, **68**, 2510 (*synth*)
Font, J. *et al*, *Tetrahedron*, 1990, **46**, 4407 (*synth*)
de March, P. *et al*, *J.O.C.*, 1995, **60**, 1814 (*synth*)

2-Bromo-3-methyl-1H-indole, 9CI B-1-00335

2-Bromoskatole
[1484-28-2]



C_9H_8BrN M 210.0
Cryst. (AcOH aq.). Mp 88-90°.

Hino, T. *et al*, *Chem. Pharm. Bull.*, 1967, **15**, 1800 (*synth, ir, uv*)
Mistry, A.G. *et al*, *Tet. Lett.*, 1986, **27**, 1051 (*synth*)

3-Bromo-2-methyl-1H-indole, 9CI B-1-00336

[1496-78-2]

C_9H_8BrN M 210.0
Cryst. (C_6H_6 /hexane). Mp 90-91°.

Hinman, R.L. *et al*, *J.O.C.*, 1964, **29**, 1206 (*synth*)
Bucchi, V. *et al*, *Synthesis*, 1982, 1096 (*synth, pmr, ms*)

4-Bromo-2-methyl-1H-indole B-1-00337

C_9H_8BrN M 210.0
Pale yellow oil. Bp_{0.01} 102°.

Picrate: Cryst. (EtOH). Mp 167.5-168°.

Piper, J.R. *et al*, *J. Het. Chem.*, 1966, **3**, 95 (*synth*)

5-Bromo-2-methyl-1H-indole, 9CI B-1-00338

[1075-34-9]

C_9H_8BrN M 210.0
Mp 93-96°. Bp₂ 132-133.5°.

Colo, V. *et al*, *Farmaco, Ed. Sci.*, 1954, **9**, 611; *CA*, **49**, 14733c (*synth*)
Terent'ev, A.P. *et al*, *Zh. Obshch. Khim.*, 1959, **29**, 2541; *CA*, **54**, 10991i (*synth*)

5-Bromo-3-methyl-1H-indole, 9CI B-1-00339

5-Bromoskatole

[10075-48-6]

C_9H_8BrN M 210.0
Cryst. (2-propanol). Mp 79°.

Noland, W.E. *et al*, *J.O.C.*, 1967, **32**, 828 (*synth, ir, uv*)

Nagarathnam, D. *et al*, *Synth. Commun.*, 1993, **23**, 2011 (*synth*)

5-Bromo-7-methyl-1H-indole B-1-00340

[15936-81-9]

C_9H_8BrN M 210.0
Bp₁₀ 120-125°.

Picrate: [15936-82-0].
Orange needles. Mp 155°.

Ambekar, S.Y. *et al*, *Monatsh. Chem.*, 1967, **98**, 798 (*synth*)

6-Bromo-2-methyl-1H-indole, 9CI B-1-00341

[6127-19-1]

C_9H_8BrN M 210.0
Cryst. (C_6H_6 /petrol). Mp 113-114°.

Piper, J.R. *et al*, *J. Het. Chem.*, 1966, **3**, 95 (*synth*)

Ohta, T. *et al*, *Heterocycles*, 1987, **26**, 2817 (*synth*)

7-Bromo-5-methyl-1H-indole B-1-00342

[15936-79-5]

C_9H_8BrN M 210.0
Bp₁₀ 165°.

Picrate: [15936-80-8].

Blue-red needles. Mp 149-150°.

Ambekar, S.Y. *et al*, *Monatsh. Chem.*, 1967, **98**, 798 (*synth*)

5-Bromo-2-methyl-2-pentene, 9CI B-1-00343

[2270-59-9]

$(H_3C)_2C=CHCH_2CH_2Br$

$C_6H_{11}Br$ M 163.0

Intermed. for synthesis of bisabolenes. Liq.
Bp 155-156°, Bp₇₅ 80-81°. n_D^{20} 1.4758.
Darkens on exp. to light.

Ruzicka, L. *et al*, *Helv. Chim. Acta*, 1932, **15**, 3 (*synth*)

Willimann, L. *et al*, *Helv. Chim. Acta*, 1952, **35**, 2401 (*synth*)

Sarycheva, I.K. *et al*, *Zh. Obshch. Khim.*, 1955, **25**, 2001; *J. Gen. Chem. USSR (Engl. Transl.)*, 1955, **25**, 1949 (*synth*)

Julia, M. *et al*, *Bull. Soc. Chim. Fr.*, 1960, 1072 (*synth*)

Buchbauer, G., *Monatsh. Chem.*, 1978, **109**, 289 (*synth*)

Hudlicky, T. *et al*, *J.O.C.*, 1983, **48**, 5321 (*synth, pmr*)

Barua, N.C. *et al*, *Tetrahedron*, 1993, **49**, 2253 (*synth*)

Carpita, A. *et al*, *Synth. Commun.*, 1994, **24**, 3167 (*synth, pmr*)

(Bromomethyl)phosphonous diamide, 9CI B-1-00344

$BrCH_2P(NH_2)_2$

CH_6BrN_2P M 156.9

N,N,N',N'-Tetraisopropyl: [124862-13-1]. P-(*Bromomethyl*)-N,N,N',N'-tetraisopropylphosphonous diamide.

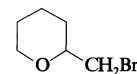
(*Bromomethyl*)phosphonous bis(diisopropylamide)

$C_{13}H_{30}BrN_2P$ M 325.2 Needles. Mp 56-58°.

Kolodyazhnyi, O.I. *et al*, *Zh. Obshch. Khim.*, 1990, **60**, 1722; *J. Gen. Chem. USSR (Engl. Transl.)*, 1990, **60**, 1536 (*synth, pmr, cmr, P-31 nmr*)

2-(Bromomethyl)tetrahydro-2H-pyran B-1-00345

[34723-82-5]



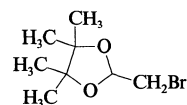
$C_6H_{11}BrO$ M 179.0
 n_D^{20} 1.4890.

(±)-*form*


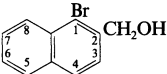
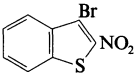
Liq. Bp₁₇ 75-79°.

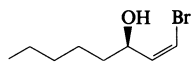
[130232-48-3, 130233-15-7, 130233-16-8]

Mas, J.-M. *et al*, *Synth. Commun.*, 1992, **22**, 2187 (*synth*)

2-(Bromomethyl)-4,4,5,5-tetramethyl-1,3-dioxolane B-1-00346

$C_8H_{15}BrO_2$ M 223.1

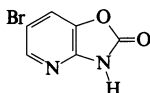
- Oil.
Conole, G. *et al*, *J.C.S. Perkin 1*, 1995, 1825
(*synth*, *pmr*, *ms*, *cmr*)
- 1-(Bromomethyl)-2-(trifluoromethyl)benzene, 9CI** **B-1-00347**
2-(Trifluoromethyl)benzyl bromide. α^1 -Bromo- α,α,α -trifluoro-*o*-xylene. 2-(Bromomethyl)benzotrifluoride
[395-44-8]
- 
- $C_8H_6BrF_3$ M 239.0
d 1.57. Bp_{7.5} 72°.
Filler, R. *et al*, *J.O.C.*, 1960, **25**, 733 (*synth*)
- 1-(Bromomethyl)-3-(trifluoromethyl)benzene** **B-1-00348**
3-(Trifluoromethyl)benzyl bromide. α^1 -Bromo- α,α,α -trifluoro-*m*-xylene. 3-(Bromomethyl)benzotrifluoride
[402-23-3]
 $C_8H_6BrF_3$ M 239.0
d 1.56. Bp₄ 69°.
Aldrich Library of FT-IR Spectra, 1st edn., 3, 916D.
Filler, R. *et al*, *J.O.C.*, 1960, **25**, 733 (*synth*)
- 1-(Bromomethyl)-4-(trifluoromethyl)benzene** **B-1-00349**
 α^1 -Bromo- α,α,α -trifluoro-*p*-xylene. 4-(Trifluoromethyl)benzyl bromide. 4-(Bromomethyl)benzotrifluoride
[402-49-3]
 $C_8H_6BrF_3$ M 239.0
d 1.55. Mp 31-34°. Bp₅ 65-66°.
Aldrich Library of FT-IR Spectra, 1st edn., 3, 919C.
Hass, H.B. *et al*, *J.A.C.S.*, 1949, **71**, 1767 (*synth*)
- 1-Bromo-2-naphthalenemethanol, 9CI** **B-1-00350**
1-Bromo-2-(hydroxymethyl)naphthalene
[76635-70-6]
- 
- $C_{11}H_9BrO$ M 237.0
Cryst. (EtOH). Mp 103-104°.
Hebbelynck, M.G. *et al*, *Bull. Soc. Chim. Belg.*, 1952, **61**, 635 (*synth*)
Smith, J.G. *et al*, *J.O.C.*, 1986, **51**, 3762 (*synth*, *ir*, *pmr*)
Grissom, J.W. *et al*, *J.O.C.*, 1994, **59**, 7876 (*synth*, *ir*, *pmr*, *cmr*)
- 3-Bromo-2-naphthalenemethanol** **B-1-00351**
3-Bromo-2-(hydroxymethyl)naphthalene
[38399-19-8]
 $C_{11}H_9BrO$ M 237.0
Cryst. (toluene/hexane). Mp 113-115° (95-100°).
- Staab, H.A. *et al*, *Chem. Ber.*, 1972, **105**, 2290 (*synth*)
Smith, J.G. *et al*, *J.O.C.*, 1986, **51**, 3762 (*synth*, *ir*, *pmr*)
- 3-Bromo-2-nitrobenzo[b]thiophene** **B-1-00352**
[17402-78-7]
- 
- $C_8H_4BrNO_2S$ M 258.0
Cryst. (EtOH). Mp 162.0-162.8°.
Van Zyl, G. *et al*, *Can. J. Chem.*, 1966, **44**, 2283 (*synth*)
Boswell, D.E. *et al*, *J. Het. Chem.*, 1968, **5**, 69 (*synth*)
- 3-Bromo-5-nitro-2-naphthylamine** **B-1-00353**
6-Amino-7-bromo-1-nitronaphthalene
 $C_{10}H_7BrN_2O_2$ M 267.0
Red solid.
Kelly, T.R. *et al*, *J.A.C.S.*, 1994, **116**, 7072 (*synth*, *pmr*)
- 3-Bromo-8-nitro-2-naphthylamine** **B-1-00354**
7-Amino-6-bromo-1-nitronaphthalene
 $C_{10}H_7BrN_2O_2$ M 267.0
Red powder (Et₂O/petrol). Mp 180-182°.
Kelly, T.R. *et al*, *J.A.C.S.*, 1994, **116**, 7072 (*synth*, *pmr*)
- 2-Bromo-2-nitro-1-propanol** **B-1-00355**
Debropol, *BAN*, *INN*. *BTS* 7706
[24403-04-1]
 $H_3CCBr(NO_2)CH_2OH$
 $C_3H_6BrNO_3$ M 183.9
Shows bactericidal props. Antiseptic, preservative.
(±)-*form*
Needles. Mp 42°.
Ac: [53607-62-8].
 $C_5H_9BrNO_4$ M 226.0 Bp_{1.4} 75°.
Henry, *Chem. Zentralbl.*, 1897, **II**, 338 (*synth*)
Clark, N.G. *et al*, *J. Med. Chem.*, 1974, **17**, 977 (*acetate*)
- 6-Bromo-1,1,1,2,2,3,3,4,4-nonafluorohexane** **B-1-00356**
[38436-14-5]
 $F_3C(CF_2)_3CH_2CH_2Br$
 $C_6H_4BrF_9$ M 326.9
Bp 93-94°, Bp₃₅ 42°. n_D^{25} 1.3330.
Kim, Y.K. *et al*, *J.O.C.*, 1973, **38**, 1615.
- 9-Bromononanal, 9CI** **B-1-00357**
[124388-97-2]
 $BrCH_2(CH_2)_7CHO$
 $C_9H_{17}BrO$ M 221.1
Solid or oil. Mp 27°. Bp_{0.5} 105-110°.
Bhalerao, U.T. *et al*, *Indian J. Chem., Sect. B*, 1989, **28**, 579 (*synth*, *ir*, *pmr*)
- U.K. Pat., 2 237 018, (1991); *CA*, **115**, 248092 (*synth*)
Bestmann, H.J. *et al*, *Synthesis*, 1994, 1257 (*synth*, *pmr*)
- 9-Bromo-1-nonanol, 9CI** **B-1-00358**
[55362-80-6]
 $BrCH_2(CH_2)_7CH_2OH$
 $C_9H_{19}BrO$ M 223.1
Plates (petrol); needles (hexane). Mp 33.5°.
Bp₂ 125-126°.
Ac: [53596-82-0].
 $C_{11}H_{21}BrO_2$ M 265.1 Bp_{0.5} 122-123°.
Chuit, P. *et al*, *Helv. Chim. Acta*, 1929, **12**, 463 (*synth*)
Butenandt, A. *et al*, *Annalen*, 1962, **658**, 39 (*synth*)
Hendry, L.B. *et al*, *J. Chem. Ecol.*, 1975, **1**, 317 (*synth*, *pmr*)
Camps, F. *et al*, *Org. Prep. Proced. Int.*, 1983, **15**, 63 (*synth*, *ir*, *pmr*, *cmr*)
Weiler, L. *et al*, *Can. J. Chem.*, 1992, **70**, 1436; 1994, **72**, 150 (*synth*, *ir*, *pmr*, *ms*)
Bestmann, H.J. *et al*, *Synthesis*, 1994, 1257 (*synth*)
- 9-Bromo-1-nonene, 9CI** **B-1-00359**
[89359-54-6]
 $H_2C=CH(CH_2)_6CH_2Br$
 $C_9H_{17}Br$ M 205.1
Liq. Bp₄ 131-132°, Bp₁₅ 110-115°.
Gaubert, P. *et al*, *J.C.S.*, 1937, 1971 (*synth*)
Johnson, D.K. *et al*, *Synth. Commun.*, 1994, **24**, 1557 (*synth*, *pmr*, *cmr*)
- 8-Bromo-octanal, 9CI** **B-1-00360**
[92540-33-5]
 $BrCH_2(CH_2)_6CHO$
 $C_8H_{15}BrO$ M 207.1
Liq. Bp_{0.5} 82-86°.
Di-Me acetal: [92540-34-6]. 8-Bromo-1,1-dimethoxyoctane, 9CI
 $C_{10}H_{21}BrO_2$ M 253.1 Oil. Bp_{0.05} 84°.
Wiley, R.A. *et al*, *J. Med. Chem.*, 1989, **32**, 1319 (*acetal*)
Tolstikov, A.G. *et al*, *Khim. Prir. Soedin.*, 1991, 707; *Chem. Nat. Compd. (Engl. Transl.)*, 1991, 624 (*synth*, *pmr*)
Bestmann, H.J. *et al*, *Synthesis*, 1994, 1257 (*synth*, *pmr*)
- 4-Bromo-4-octene** **B-1-00361**
 $H_3CH_2CH_2C=C(CH_2CH_2CH_3)Br$
(*E*)-*form*
 $C_8H_{15}Br$ M 191.1
(*E*)-*form* [24291-80-3]
cis-form
Liq.
(*Z*)-*form* [24291-81-4]
trans-form
Liq.
Hudrlik, P.F. *et al*, *Tetrahedron*, 1983, **39**, 877 (*synth*, *ir*, *pmr*)
Kropp, P.J. *et al*, *J.O.C.*, 1994, **59**, 3102 (*synth*, *pmr*)

1-Bromo-1-octen-3-ol, 9CI**B-1-00362***(R)*-(*Z*)-formC₈H₁₅BrO M 207.1*(R)*-(*Z*)-form [113428-14-1][α]_D²⁵ +40.8 (c, 1.79 in CHCl₃).*(S)*-(*E*)-form [72243-93-7]Oil. [α]_D²⁴ +13.1 (c, 1.4 in MeOH) (100% op).

[120293-90-5]

Chen, S.-M.L. *et al*, *J.O.C.*, 1978, 43, 3450*(synth, ir, pmr)*Noyori, R. *et al*, *J.A.C.S.*, 1984, 106, 6717*(synth, ir, pmr)*Okamoto, S. *et al*, *Tet. Lett.*, 1987, 28, 2033*(synth)*Matsumoto, T. *et al*, *Tet. Lett.*, 1988, 29, 5685.**6-Bromooxazolo[4,5-*b*]pyridin-2(3*H*)-one, 9CI****B-1-00363**

[21594-52-5]

C₆H₃BrN₂O₂ M 215.0

Cryst. solid. Mp 234°.

Rüfenacht, K. *et al*, *Helv. Chim. Acta*, 1976, 59, 1593 *(synth)*Flouzat, C. *et al*, *J. Med. Chem.*, 1993, 36, 497*(synth, pmr)***1-Bromo-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane****B-1-00364***Perfluoroheptyl bromide*

[375-88-2]

F₃C(CF₂)₃CF₂BrC₇BrF₁₅ M 448.9Bp 123-124°. n_D²⁵ 1.3010.Haszeldine, R.N., *J.C.S.*, 1952, 4259.**Bromopentafluorobenzene, 9CI, 8CI****B-1-00365**

[344-04-7]

(C₆F₅)BrC₆BrF₅ M 246.9Liq. d₄²⁰ 1.9503. Mp -31° (-29.9°). Bp 134-135°. n_D²⁰ 1.4506. λ_{max} 243 nm (EtOH).*Aldrich Library of FT-IR Spectra, 1st edn.*, 3, 947D *(ir)*Desirant, Y., *Bull. Soc. Chim. Belg.*, 1958, 67, 676 *(synth, props)*Nield, E. *et al*, *J.C.S.*, 1959, 166, 169 *(synth, uv)*Smithson, L.D. *et al*, *Org. Mass Spectrom.*, 1970, 4, 1 *(ms)*Rezvukhin, A.I. *et al*, *CA*, 1983, 98, 16213f*(cmr)*Bardin, V.V. *et al*, *J. Fluorine Chem.*, 1983, 23,67 *(synth, F-19 nmr)***1-Bromo-2-pentanol, 9CI****B-1-00366**

[26818-03-1]

H₃CCH₂CH₂CH(OH)CH₂BrC₅H₁₁BrO M 167.0*(±)*-formLiq. Bp₁₆₋₁₈ 77-79°.Forgo, I. *et al*, *Pharm. Acta Helv.*, 1970, 45, 227*(synth)*Kauffmann, T. *et al*, *Chem. Ber.*, 1982, 115, 645*(synth)***2-Bromo-3-pentanol, 9CI****B-1-00367**H₃CCH₂CH(OH)CHBrCH₃C₅H₁₁BrO M 167.0Liq. Bp₂₃ 74°. Mixt. of stereoisomers.

[63569-56-2, 63569-57-3]

House, H.O. *et al*, *J.A.C.S.*, 1955, 77, 5083*(synth, ir)*Modro, A. *et al*, *J.O.C.*, 1977, 42, 3673 *(synth,**pmr, acetate)***3-Bromo-2-pentanol****B-1-00368**H₃CCH₂CHBrCH(OH)CH₃C₅H₁₁BrO M 167.0Liq. Bp₁₂ 58.5-60°. Mixt. of diastereoisomers.House, H.O., *J.A.C.S.*, 1955, 77, 5083 *(synth, ir)***4-Bromo-1-pentanol, 9CI****B-1-00369**

[16103-56-3]

H₃CCHBrCH₂CH₂CH₂OHC₅H₁₁BrO M 167.0*(±)*-form

Ac: [26923-92-2].

C₇H₁₃BrO₂ M 209.0 Liq. Bp_{2,5} 65-68°.Karger, M.H. *et al*, *J.O.C.*, 1971, 36, 532 *(synth, pmr)*Yadav, Y.K. *et al*, *J.O.C.*, 1986, 51, 3373*(synth, pmr)***4-Bromo-2-pentanol, 9CI****B-1-00370**

[76137-48-9]

H₃CCHBrCH₂CH(OH)CH₃C₅H₁₁BrO M 167.0Liq. Bp₁₂ 78-79°. Mixt. of stereoisomers.

Ac: [76137-49-0].

C₇H₁₃BrO₂ M 209.0 Liq. Bp_{4,5} 60-70°.Brown, H.C. *et al*, *J.O.C.*, 1981, 46, 930 *(synth)***5-Bromo-1-pentanol, 9CI****B-1-00371**

[34626-51-2]

BrCH₂(CH₂)₃CH₂OHC₅H₁₁BrO M 167.0Liq. Bp_{0,5} 75-76°, Bp_{0,2} 53-56°.

Ac: [15848-22-3].

C₇H₁₃BrO₂ M 209.0 Liq. Bp₁₅ 110-115°, Bp_{0,8} 60-67°.Guindon, Y. *et al*, *J.O.C.*, 1987, 52, 1680*(synth)*Lerner, L. *et al*, *Can. J. Chem.*, 1992, 70, 1427*(synth, ir, pmr, ms)*Bestmann, H.J. *et al*, *Synthesis*, 1992, 1239*(acetate)*Manchand, P.S. *et al*, *Tetrahedron*, 1992, 48,9391 *(synth, ir, pmr, acetate)***1-Bromo-2-pentanone, 9CI****B-1-00372***Bromomethyl propyl ketone*

[817-71-0]

H₃CCH₂CH₂COCH₂BrC₅H₉BrO M 165.0Oil. Bp₅₀ 92-92.5°. n_D²³ 1.4620.Catch, J.R. *et al*, *J.C.S.*, 1948, 276 *(synth)*Asinger, F. *et al*, *Annalen*, 1964, 672, 156 *(synth)**Eur. Pat.*, 427 480, (1991); *CA*, 115, 135680*(synth)***3-Bromo-2-pentanone, 9CI****B-1-00373**

[815-48-5]

H₃CCH₂CHBrCOCH₃C₅H₉BrO M 165.0*(±)*-formOil. Bp₅₀ 78-78.5°. n_D²⁰ 1.4629.

▶ Lachrymator.

Borrows, E.T. *et al*, *J.C.S.*, 1946, 1083 *(synth)*Asinger, F. *et al*, *Annalen*, 1964, 672, 156 *(synth)*Gassman, P.G. *et al*, *J.A.C.S.*, 1974, 96, 5495*(synth)*Groesbeek, M. *et al*, *Rec. Trav. Chim. (J. R.**Neth. Chem. Soc.)*, 1989, 108, 427 *(synth,**pmr)*Boyd, R.E. *et al*, *Synth. Commun.*, 1995, 25,1045 *(synth, pmr)***1-Bromo-3-phenylbicyclo[1.1.1]pentane, 9CI****B-1-00374**

[112043-92-2]

C₁₁H₁₁Br M 223.1

Cryst. Mp 31-31.5°.

Della, E.W. *et al*, *J.O.C.*, 1988, 53, 592; 1994, 59, 2986 *(synth, pmr, cmr, ms)***3-Bromo-4-phenyl-3-cyclobutene-1,2-dione, 9CI****B-1-00375**

[22315-46-4]

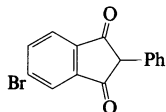
C₁₀H₅BrO₂ M 237.0Pale yellow solid (CCl₄). Mp 128-129°.Smutny, E.J. *et al*, *J.A.C.S.*, 1960, 82, 1793*(synth)*Liebeskind, L.S. *et al*, *J.A.C.S.*, 1993, 115, 9048*(synth, ir, pmr)***1-Bromo-7-phenylheptane****B-1-00376***(7-Bromoheptyl)benzene, 9CI*

[78573-85-0]

Ph(CH₂)₆CH₂BrC₁₃H₁₉Br M 255.1Liq. Bp_{1,5} 123-124°, Bp_{0,05} 110-114°.Collins, R.F. *et al*, *J.C.S.*, 1961, 1863 *(synth)*Forth, M.A. *et al*, *J.O.C.*, 1994, 59, 2616 *(synth, ir, pmr, cmr)*

5-Bromo-2-phenyl-1,3-indanedione B-1-00377

5-Bromo-2-phenyl-1H-indene-1,3(2H)-dione, 9CI. Isobromindione, INN. G/18. Uridion [1470-35-5]



$C_{15}H_9BrO_2$ M 301.1
Uricosuric agent.

▶ LD₅₀ (rat, orl) 150 mg/kg. Exp. reprod. effects (fetotoxic, other effects). NK5156000.

(±)-form

Violet-brown cryst. (MeOH). Mp 164-165°.

Dioxime:

$C_{15}H_{11}BrN_2O_2$ M 331.1 Mp 205-207° dec.

Perjessy, A. *et al*, *Tetrahedron*, 1971, **27**, 6159 (*ir*)

Fanelli, O. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1609; 1975, **25**, 873 (*tox, pharmacol*)

Islam, A.M. *et al*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 1274 (*synth*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, London, 1993, 337.

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, UVJ400.

Lewis, R.J., *Reproductively Active Chemicals*, Van Nostrand Reinhold, 1991, UVJ400.

(2-Bromophenyl)phosphonous acid B-1-00378

2-(Dihydroxyphosphino)bromobenzene



$C_6H_6BrO_2P$ M 220.9

Dichloride: [5274-51-1].

$C_6H_4BrCl_2P$ M 257.8 Liq. Bp₁ 80-82°.

Diamide: see P-(2-Bromophenyl)phosphonous diamide, B-1-00379

Chiswell, B. *et al*, *J.C.S.*, 1966, 417 (*dichloride*)
Talay, R. *et al*, *Z. Naturforsch.*, **B**, 1981, **36**, 451 (*dichloride*)

Raskina, A.D. *et al*, *Zh. Obshch. Khim.*, 1985, **55**, 2262; *J. Gen. Chem. USSR (Engl. Transl.)*, 1985, **55**, 2008.

Werner, D. *et al*, *Z. Naturforsch.*, **B**, 1987, **42**, 1110 (*dichloride, pmr, cmr, P-31 nmr*)

P-(2-Bromophenyl)phosphonous diamide, 9CI B-1-00379

$C_6H_8BrN_2P$ M 219.0

N,N,N',N'-Tetra-Me: [82495-63-4]. P-(2-Bromophenyl)-N,N,N',N'-tetramethylphosphonous diamide. (2-Bromophenyl)phosphonous bis(dimethylamide)

$C_{10}H_{16}BrN_2P$ M 275.1 Liq. Bp_{0.06} 84-85°.

Drewelies, K. *et al*, *Angew. Chem., Int. Ed.*, 1982, **21**, 638; *Suppl.* 1416 (*synth, ir, pmr, cmr, P-31 nmr*)

Eritja, R. *et al*, *Tetrahedron*, 1990, **46**, 721 (*tetraethyl, P-31 nmr*)

P-(3-Bromophenyl)phosphonous diamide, 9CI B-1-00380

$C_6H_8BrN_2P$ M 219.0

N,N,N',N'-Tetra-Me: [82495-64-5]. P-(3-Bromophenyl)-N,N,N',N'-tetramethylphosphonous diamide. P-(3-Bromophenyl)phosphonous bis(dimethylamide)

$C_{10}H_{16}BrN_2P$ M 275.1 Liq. Bp_{0.001} 75-77°.

Drewelies, K. *et al*, *Angew. Chem., Int. Ed.*, 1982, **21**, 638; *Suppl.* 1416 (*synth, ir, pmr, cmr, P-31 nmr*)

P-(4-Bromophenyl)phosphonous diamide, 9CI B-1-00381

$C_6H_8BrN_2P$ M 219.0

N,N,N',N'-Tetra-Me: [95682-76-1]. P-(4-Bromophenyl)-N,N,N',N'-tetramethylphosphonous diamide. (4-Bromophenyl)phosphonous bis(dimethylamide)

$C_{10}H_{16}BrN_2P$ M 275.1 Oil. Bp_{0.04} 91-94°.

Woerz, H.J. *et al*, *Chem.-Ztg.*, 1984, **108**, 329 (*synth, pmr, P-31 nmr*)

1-Bromo-3-phenylpropane B-1-00382

(3-Bromopropyl)benzene, 9CI, 8CI. 3-Phenylpropyl bromide

[637-59-2]

PhCH₂CH₂CH₂Br

$C_9H_{11}Br$ M 199.0

Oil. Bp 219-220°, Bp₅ 84-85°. n_D^{20} 1.55.

[51271-24-0, 60604-08-2, 66318-67-0, 74823-40-8, 117637-88-4]

Aldrich Library of FT-IR Spectra, 1st edn., **3**, 892B.

Aldrich Library of NMR Spectra, 2nd edn., **1**, 776C.

Shimohigashi, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1976, **49**, 3280 (*synth*)

Hill, E.A. *et al*, *Org. Magn. Reson.*, 1981, **16**, 177 (*cmr*)

Kamijo, T. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 4189 (*synth*)

Hodge, P. *et al*, *J.C.S. Perkin 1*, 1984, 195 (*synth*)

Chattopadhyay, S. *et al*, *Indian J. Pure Appl. Phys.*, 1987, **25**, 456 (*ir, Raman, conformn*)

1-Bromo-2-(phenylthio)ethene B-1-00383

[(2-Bromoethenyl)thio]benzene, 9CI. (2-Bromovinyl)phenyl sulfide

[35088-66-5]

PhSCH=CHBr

C_8H_7BrS M 215.1

(E)-form [17101-82-5]

Liq. Bp₁₆ 134.5-135.5°, Bp₄ 100.5-101.5°.

S,S-Dioxide: [20408-25-7]. (2-Bromovinyl)phenyl sulfone

$C_8H_7BrO_2S$ M 247.1 Cryst. Mp 55-56°.

(Z)-form [17101-71-2]

Liq. Bp_{0.04} 59-60°.

S,S-Dioxide: [52244-26-5].

Cryst. Mp 39-40°.

Angeletti, E. *et al*, *Gazz. Chim. Ital.*, 1957, **87**, 1086 (*synth*)

Shainyan, B.A. *et al*, *Zh. Org. Khim.*, 1989, **25**, 68; *J. Org. Chem. USSR (Engl. Transl.)*, 1989, **25**, 61 (*synth*)

Cardellicchio, C. *et al*, *Gazz. Chim. Ital.*, 1991, **121**, 11 (*synth*)

Bruncko, M. *et al*, *J.O.C.*, 1994, **59**, 7921 (*dioxide, synth, pmr, cmr*)

2-Bromo-1-phenyl-2-triphenylphosphoranylideneethanone, 9CI B-1-00384

[3201-60-3]

Ph₃P=CBrCOPh

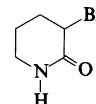
$C_{26}H_{20}BrOP$ M 459.3

Solid. Mp 151-152° dec.

Speziale, J. *et al*, *J.A.C.S.*, 1963, **85**, 2790 (*synth*)

Speziale, J. *et al*, *J.O.C.*, 1963, **28**, 465 (*synth*)

Braga, A.L. *et al*, *Synth. Commun.*, 1989, **19**, 2877 (*use*)

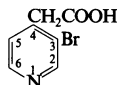
3-Bromo-2-piperidinone B-1-00385

C_5H_8BrNO M 178.0

(±)-form

Cryst. (CHCl₃). Mp 147° (135-137°).

Uchikawa, O. *et al*, *J. Het. Chem.*, 1994, **31**, 1545 (*synth, pmr*)

3-Bromo-4-pyridineacetic acid B-1-00386

$C_7H_6BrNO_2$ M 216.0

Me ester: [162615-12-5].

$C_8H_8BrNO_2$ M 230.0 Pale yellow oil.

Et ester: [51054-99-0].

$C_9H_{10}BrNO_2$ M 244.0 Oil. Bp_{0.06} 91-95°.

Nitrile: [142892-31-7]. 3-Bromo-4-

(cyanomethyl)pyridine

$C_7H_5BrN_2$ M 197.0 Mp 93-94°.

Hansen, J.F. *et al*, *J. Het. Chem.*, 1973, **10**, 711 (*Et ester*)

Bremner, D.H. *et al*, *Synthesis*, 1992, 528

(*nitrile*)

Bracher, F. *et al*, *Annalen*, 1995, 645 (*Me ester*)

5-Bromo-3-pyridineacetic acid, 9CI B-1-00387

[39891-12-8]

$C_7H_6BrNO_2$ M 216.0

Mp 184-185°.

Nitrile: [39891-08-2]. 3-Bromo-5-(cyanomethyl)pyridine

$C_7H_5BrN_2$ M 197.0 Mp 76.5-77°.

Carlson, L.A. *et al*, *Acta Pharm. Suec.*, 1972, **9**, 411; *CA*, **78**, 58202u (synth, nitrile)

6-Bromo-3-pyridinecarboxaldehyde, 9CI **B-1-00388**

2-Bromo-5-formylpyridine

[149806-06-4]

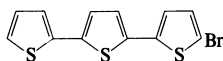
C_6H_4BrNO M 186.0

Mp 100°.

Vögtle, F. *et al*, *Synthesis*, 1994, **87** (synth, pmr, cmr, ms)

5-Bromo-2,2':5',2''-terthiophene, 9CI **B-1-00389**

[94581-95-0]



$C_{12}H_7BrS_3$ M 327.2

Yellow solid (hexane). Mp 141-142° (136-137.5°).

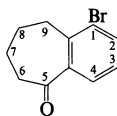
Morand, P. *et al*, *Tetrahedron*, 1988, **44**, 2403 (synth, ms, cmr)

Bäuerle, P. *et al*, *Synthesis*, 1993, 1099 (synth, pmr)

1-Bromo-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, 9CI **B-1-00390**

6-Bromo-1-benzosuberone

[87779-79-1]



$C_{11}H_{11}BrO$ M 239.1

Oil. Bp₁₂ 174°, Bp_{0.12} 101-105°.

Gruber, R. *et al*, *Bull. Soc. Chim. Fr., Part II*, 1983, 96 (synth, pmr, w, ir)

Combs, D.W. *et al*, *Synth. Commun.*, 1994, **24**, 2777 (synth, pmr)

3-Bromo-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, 9CI **B-1-00391**

8-Bromo-1-benzosuberone

[87779-78-0]

$C_{11}H_{11}BrO$ M 239.1

Off-white powder. Mp 28-30°. Bp₁₅ 184°.

2,4-Dinitrophenylhydrazone: [22647-90-1].

Orange needles. Mp 243°.

Gruber, R. *et al*, *Bull. Soc. Chim. Fr., Part II*, 1983, 96 (synth, pmr, w, ir)

Combs, D.W. *et al*, *Synth. Commun.*, 1994, **24**, 2777 (synth, pmr)

6-Bromo-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, 9CI **B-1-00392**

2-Bromo-1-benzosuberone

[19844-70-3]

$C_{11}H_{11}BrO$ M 239.1

(±)-form
Bp₁ 140-142°. n_D²⁵ 1.5940.

Tarbell, D.S. *et al*, *J.A.C.S.*, 1952, **74**, 6263

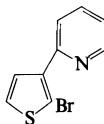
(synth)

Khanna, J.M. *et al*, *Indian J. Chem.*, 1968, **6**, 6

(synth)

2-(2-Bromo-3-thienyl)pyridine **B-1-00393**

2-Bromo-3-(2-pyridinyl)thiophene



C_9H_6BrNS M 240.1

Zhang, Y. *et al*, *J. Het. Chem.*, 1995, **32**, 435

(synth, pmr, cmr)

2-(5-Bromo-3-thienyl)pyridine **B-1-00394**

2-Bromo-4-(2-pyridinyl)thiophene

C_9H_6BrNS M 240.1

Mp 36-37°.

Zhang, Y. *et al*, *J. Het. Chem.*, 1995, **32**, 435

(synth, pmr, cmr)

3-(2-Bromo-3-thienyl)pyridine **B-1-00395**

2-Bromo-3-(3-pyridinyl)thiophene

C_9H_6BrNS M 240.1

Zhang, Y. *et al*, *J. Het. Chem.*, 1995, **32**, 435

(synth, pmr, cmr)

3-(5-Bromo-3-thienyl)pyridine, 9CI **B-1-00396**

2-Bromo-4-(3-pyridinyl)thiophene

[166450-99-3]

C_9H_6BrNS M 240.1

Cryst. (hexane). Mp 52-54°.

Zhang, Y. *et al*, *J. Het. Chem.*, 1995, **32**, 435

(synth, pmr, cmr)

4-(2-Bromo-3-thienyl)pyridine **B-1-00397**

2-Bromo-3-(4-pyridinyl)thiophene

C_9H_6BrNS M 240.1

Mp 56.5-58.5°.

Zhang, Y. *et al*, *J. Het. Chem.*, 1995, **32**, 435

(synth, pmr, cmr)

4-(5-Bromo-3-thienyl)pyridine **B-1-00398**

2-Bromo-4-(4-pyridinyl)thiophene

C_9H_6BrNS M 240.1

Cryst. (petrol). Mp 62-64°.

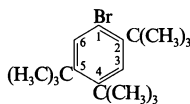
Gronowitz, S. *et al*, *Acta Chem. Scand.*, 1992, **46**, 654 (synth)

Zhang, Y. *et al*, *J. Het. Chem.*, 1995, **32**, 435

(synth, pmr, cmr)

1-Bromo-2,4,5-tri-tert-butylbenzene **B-1-00399**

1-Bromo-2,4,5-tris(1,1-dimethylethyl)benzene



$C_{18}H_{29}Br$ M 325.3

Cryst. Mp 77°.

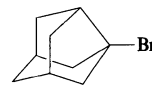
Dehmlow, E.V. *et al*, *Tetrahedron*, 1995, **51**, 3755 (synth, pmr)

3-Bromotricyclo[3.3.1.0^{3,7}]nonane **B-1-00400**

3a-Bromo-octahydro-2,5-methanopentalene,

9CI. 3-Bromonoradamantane

[142761-44-2]



$C_9H_{13}Br$ M 201.1

Cryst. Mp 101.6°.

Olah, G.A. *et al*, *J.A.C.S.*, 1993, **115**, 10728

(synth, ms, pmr, cmr)

13-Bromo-1-tridecanol, 9CI **B-1-00401**

[116754-58-6]

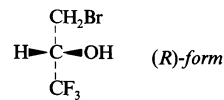
$BrCH_2(CH_2)_{11}CH_2OH$

$C_{13}H_{27}BrO$ M 279.2

Mp 56-57°.

Mori, K. *et al*, *Annalen*, 1994, 695 (synth, pmr)

3-Bromo-1,1,1-trifluoro-2-propanol, 9CI **B-1-00402**



$C_3H_4BrF_3O$ M 192.9

(R)-form [160706-70-7]

Liq. Bp 122-123°. [α]_D²² -51.06 (neat) (96% ee).

(±)-form

Liq. with slightly acrid odour. d₄²⁰ 186. Mp -3.0°. Bp_{743.3} 124.5°. n_D²⁰ 1.4009.

α-Naphthylurethane: Cryst. solid. Mp 134.2-134.7°.

[88378-50-1]

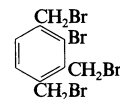
McBee, E.T. *et al*, *J.A.C.S.*, 1952, **74**, 3022

(synth)

Ramachandran, P.V. *et al*, *J.O.C.*, 1995, **60**, 41

(synth, ir, pmr, cmr, F-19 nmr)

2-Bromo-1,3,4-tris(bromomethyl)benzene **B-1-00403**



$C_9H_8Br_4$ M 435.7

Cryst. (hexane). Mp 98-100°.

Tal, D.M. *et al*, *Tetrahedron*, 1995, **51**, 3823

(synth, pmr)

1-Bromoundecane, 9CI **B-1-00404**

Undecyl bromide

[693-67-4]

$H_3C(CH_2)_9CH_2Br$

$C_{11}H_{23}Br$ M 235.2

Liq. d 1.05. Mp -9°. Bp₁₈ 137-138°. n_D²⁰ 1.46.

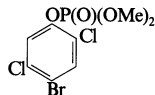
Lumb, P.B. *et al*, *J.C.S.*, 1952, 5032 (synth)

McLafferty, F.W. *et al*, *Anal. Chem.*, 1962, **34**, 2 (ms)

McKillop, A. *et al*, *J.O.C.*, 1969, **34**, 1172
(*synth*)
Cambie, R.C. *et al*, *J.C.S. Perkin 1*, 1981, 2608
(*synth*)

Bromoxon B-1-00405

4-Bromo-2,5-dichlorophenyl dimethyl phosphate, 9CI. Bromophos-oxon
[4855-62-3]

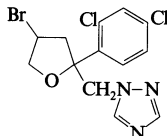


$C_8H_8BrCl_2O_4P$ M 349.9
Mp 64°.

Ger. Pat., 1 197 675, (1965); *CA*, **64**, 3421b
(*synth*)

Bromoconazole, BSI B-1-00406

1-[[4-Bromo-2-(2,4-dichlorophenyl)tetrahydro-2-furanyl]methyl]-1H-1,2,4-triazole, 9CI. 1-[4-Bromo-2-(2,4-dichlorophenyl)tetrahydrofurfuryl]-1H-1,2,4-triazole.
Bromoconazole. *LS* 860263
[116255-48-2]



$C_{13}H_{12}BrCl_2N_3O$ M 377.0

Sterol demethylation inhibitor. Antifungal agent. Cryst. Mp 84° (96°), Mp 104°. Mps given are for two (unspecified) diastereoisomers.

▶ LD₅₀ (rat, orl) 365 mg/kg. XZ4130000.

[114544-80-8, 114544-81-9, 135417-64-0]

Eur. Pat., 246 982, (1987) (*Rhône-Poulenc*); *CA*, **109**, 93016s (*synth*, *activity*)

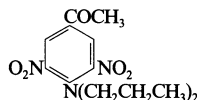
Eur. Pat., 258 161, (1988) (*Rhône-Poulenc*); *CA*, **109**, 110440v (*synth*, *activity*)

Pepin, R. *et al*, *Br. Crop Prot. Conf. - Pests Dis., Proc.*, 1990, 439 (*activity*, *props*)

Pesticide Manual, 10th edn., 1994, No. 84.

Bulab B-1-00407

1-[4-(Dipropylamino)-3,5-dinitrophenyl] ethanone, 9CI. 4'-(Dipropylamino)-3',5'-dinitroacetophenone
[52129-71-2]



$C_{14}H_{19}N_3O_5$ M 309.3

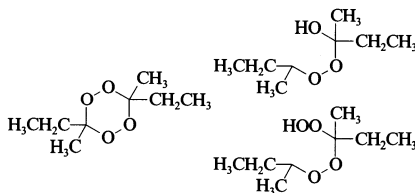
Herbicide.

U.S. Pat., 3 933 472, (1976); *CA*, **84**, 106378d
(*synth*, *use*)

2-Butanone peroxide, 9CI B-1-00408

Butanox. *MEKP*

[1338-23-4]



Said to be a mixture of 3 components but structural evidence is not convincing. Polymerisation initiator, cross linking agent for polyester adhesives. Commercial product is available as a 60% soln. in dimethyl phthalate with an available oxygen content of approx. 11%.

Manly, T.D. *et al*, *Ind. Chem.*, 1956, **32**, 271; *CA*, **50**, 15991a (*props*, *use*)

U.K. Pat., 827 511, (1960); *CA*, **54**, 12997d
(*synth*)

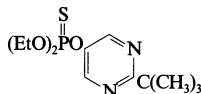
U.S. Pat., 3 076 852, (1963); *CA*, **59**, 11257g
(*synth*)

Rosso, J.C. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1977, **284**, 199 (*hplc*)

Zhao, Z. *et al*, *CA*, 1990, **113**, 232671x (*synth*, *use*)

Butathiofos B-1-00409

O-[2-(1,1-Dimethylethyl)-5-pyrimidinyl] O,O-diethylphosphorothioate, 9CI. Butathiofos
[90338-20-8]



$C_{12}H_{21}N_2O_3PS$ M 304.3

Insecticide. Superseded.

U.S. Pat., 4 429 125, (1984); *CA*, **100**, 210153m (*synth*, *use*)

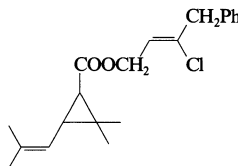
Ger. Pat., 3 538 912, (1985); *CA*, **107**, 59258w
(*synth*, *use*)

Pesticide Manual, 9th edn., 1991, 1523.

Butethrin B-1-00410

3-Chloro-4-phenyl-2-butenyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate, 9CI

[28288-05-3]



$C_{20}H_{25}ClO_2$ M 332.8

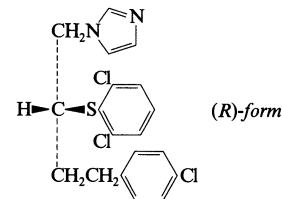
Insecticide. Bp_{0.12} 142-145°. Stereoisomeric mixt.

[32468-22-7, 33648-40-7, 33648-41-8]

Sota, K. *et al*, *Agric. Biol. Chem.*, 1971, **35**, 968
(*synth*, *use*)

Butoconazole, BAN, INN B-1-00411

1-[4-(4-Chlorophenyl)-2-[(2,6-dichlorophenyl)thio]butyl]-1H-imidazole, 9CI. Butoconazole
[67085-13-6]



$C_{19}H_{17}Cl_3N_2S$ M 411.7

Antifungal agent. Launched 1986.

(R)-form

Nitrate: [151909-77-2].

Cryst. (MeOH/EtOAc). Mp 123-125°. [α]_D²⁵ -23.26 (c, 0.4 in EtOH).

(S)-form

Nitrate: [151909-75-0].

Cryst. (EtOAc/Et₂O). Mp 120-124°. [α]_D²⁵ +22.68 (c, 0.4 in EtOH).

(±)-form

[64872-76-0]

Cryst. (cyclohexane). Mp 68-70.5°.

Nitrate: [64872-77-1]. **Butoconazole nitrate**, *USAN*. *Femstat*. *RS* 35887-00-10-3

Blades (Me₂CO/EtOAc). Mp 162-163°.

[67085-14-7, 82382-24-9]

Walker, K.A.M. *et al*, *J. Med. Chem.*, 1978,

211, 840 (*synth*, *pmr*)

Martindale, The Extra Pharmacopoeia, 28th/29th edn., Pharmaceutical Press, London, 1982/1989, 16554.

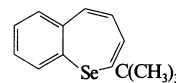
Odds, F.C. *et al*, *J. Antimicrob. Chemother.*, 1984, **14**, 105 (*props*)

Matthews, T., *J. Reprod. Med.*, 1986, **31**, 655 (*pharmacol*)

Rotstein, D.M. *et al*, *Tetrahedron: Asymmetry*, 1993, **4**, 1521 (*synth*)

2-*tert*-Butyl-1-benzoselenenepin B-1-00412

2-(1,1-Dimethylethyl)-1-benzoselenenepin, 9CI
[153140-94-4]



$C_{14}H_{16}Se$ M 263.2

Viscous orange-red oil. Other homologues also prepd. Me homologue could not be obt.

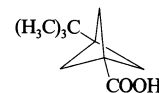
Sashida, H. *et al*, *Chem. Pharm. Bull.*, 1995, **43**, 19 (*synth*, *pmr*)

3-*tert*-Butylbicyclo[1.1.1] B-1-00413

pentane-1-carboxylic acid

3-(1,1-Dimethylethyl)bicyclo[1.1.1]pentane-1-carboxylic acid, 9CI

[132663-73-1]

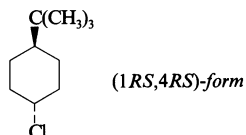


$C_{10}H_{16}O_2$ M 168.2

Cryst. by subl. Mp 155-157°.

Della, E.W. *et al*, *J.O.C.*, 1994, **59**, 2986 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

1-*tert*-Butyl-4-chlorocyclohexane **B-1-00414**
 1-Chloro-4-(1,1-dimethylethyl)cyclohexane
 [62056-46-6]

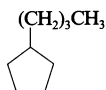


$C_{10}H_{19}Cl$ M 174.7
 (*1*R*,4*R**)-form [13145-48-7]
 trans-form
 n_D^{20} 1.4656.

(*1*R*,4*S**)-form [13131-74-3]
 cis-form
 $Bp_{0.5}$ 38–40°. n_D^{20} 1.4694.

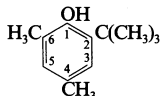
Eliel, E.L. *et al*, *J.A.C.S.*, 1968, **90**, 690 (*synth*)
 Beckwith, A.L.J. *et al*, *Aust. J. Chem.*, 1983, **36**, 2123 (*synth*)
 Roberts, B.P. *et al*, *J.C.S. Perkin 2*, 1994, 2411 (*synth*, *pmr*)

Butylcyclopentane **B-1-00415**
 1-Cyclopentylbutane



C_9H_{18} M 126.2
 d_4^{20} 0.785. Fp –108.0°. Bp 156.6°. n_D^{20} 1.4316.
Adv. Chem. Ser., 1955, **15**, 382 (*props*)

2-*tert*-Butyl-4,6-dimethylphenol **B-1-00416**
 2-(1,1-Dimethylethyl)-4,6-dimethylphenol, 9*CI*.
 6-*tert*-Butyl-2,4-xyleneol, 8*CI*
 [1879-09-0]



$C_{12}H_{18}O$ M 178.2
 Antioxidant, polymerisation inhibitor.
 Catalyst in phase transfer reactions. Fp 22.3°. Bp 249°, Bp_1 81.8°. n_D^{20} 1.5183.
 Weinrich, W., *Ind. Eng. Chem.*, 1943, **35**, 264 (*synth*, *props*)
 Pardee, W.A. *et al*, *Ind. Eng. Chem.*, 1944, **36**, 595 (*synth*, *props*)
 Hedayatullah, M. *et al*, *Bull. Soc. Chim. Fr.*, 1970, 2637 (*deriv*)
Eur. Pat., 281 992, (1988); *CA*, **110**, 118125n (*use*)
 Jursic, B. *et al*, *Tetrahedron*, 1988, **44**, 6677 (*use*)

4-*tert*-Butyl-2,5-dimethylphenol **B-1-00417**
 4-(1,1-Dimethylethyl)-2,5-dimethylphenol, 9*CI*.
 4-*tert*-Butyl-2,5-xyleneol, 8*CI*
 [17696-37-6]

$C_{12}H_{18}O$ M 178.2
 Used in the prepn. of musk and cosmetic compositions. $d_4^{26.7}$ 1.001. Fp 71.2°. Bp 264°, Bp_{20} 151°. n_D^{20} 1.5311.

Stevens, D.R. *et al*, *Ind. Eng. Chem.*, 1943, **35**, 655 (*synth*)
 McKinley, J.B. *et al*, *Ind. Eng. Chem., Anal. Ed.*, 1944, **16**, 304 (*deriv synth*)
 Pardee, W.A. *et al*, *Ind. Eng. Chem.*, 1944, **36**, 595 (*synth*, *prop*)
U.S. Pat., 4 880 775, (1989); *CA*, **112**, 185594u (*use*)

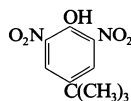
4-*tert*-Butyl-2,6-dimethylphenol **B-1-00418**
 4-(1,1-Dimethylethyl)-2,6-dimethylphenol, 9*CI*.
 4-*tert*-Butyl-2,6-xyleneol, 8*CI*
 [879-97-0]

$C_{12}H_{18}O$ M 178.2
 Prisms. $d_4^{26.7}$ 0.959. Fp 84° (82.4°). Bp 248°, Bp_1 76.5°.
 Tchitchibabine, A.E., *Bull. Soc. Chim. Fr.*, 1932, **51**, 1436 (*synth*)
 Stevens, D.R., *Ind. Eng. Chem.*, 1943, **35**, 655 (*synth*, *prop*)
 Pardee, W.A. *et al*, *Ind. Eng. Chem.*, 1944, **36**, 595 (*synth*)
 Coggeshall, N.D. *et al*, *J.A.C.S.*, 1949, **71**, 3150 (*uv*)

6-*tert*-Butyl-3,4-dimethylphenol **B-1-00419**
 2-(1,1-Dimethylethyl)-4,5-dimethylphenol, 9*CI*.
 6-*tert*-Butyl-3,4-xyleneol, 8*CI*
 [1445-23-4]

$C_{12}H_{18}O$ M 178.2
 Fp 46–47°. Bp 258.5°, Bp_{10} 127°. n_D^{20} 1.5222.
 Propanoyl: [121194-59-0].
 $C_{15}H_{22}O_2$ M 234.3 Liq. Bp_{11} 147°.
 McKinley, J.B. *et al*, *Ind. Eng. Chem., Anal. Ed.*, 1944, **16**, 304 (*deriv*)
 Pardee, W.A. *et al*, *Ind. Eng. Chem.*, 1944, **36**, 595 (*synth*, *props*)
 Martin, R. *et al*, *Synthesis*, 1989, 25 (*propanoyl*)

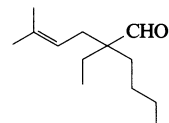
4-*tert*-Butyl-2,6-dinitrophenol **B-1-00420**
 4-(1,1-Dimethylethyl)-2,6-dinitrophenol, 9*CI*
 [4097-49-8]



$C_{10}H_{12}N_2O_5$ M 240.2
 Used in orange hair dyes. Mp 97–98° (85°).
Na salt: Yellow cryst.
Ca salt (2:1): Pale yellow cryst.
Guanidium salt: Brick red cryst. Mp 285°.
Me ether: 5-*tert*-Butyl-2-methoxy-1,3-dinitrobenzene
 $C_{11}H_{14}N_2O_5$ M 254.2 Yellow leaflets (EtOH). Mp 101–102°.
Et ether: 5-*tert*-Butyl-2-ethoxy-1,3-dinitrobenzene
 $C_{12}H_{16}N_2O_5$ M 268.2 Yellow leaflets. Mp 95–96°.

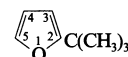
Henry, T.A. *et al*, *J.C.S.*, 1926, 2432 (*synth*)
 Schaaf, O.H., *J. Prakt. Chem.*, 1932, **133**, 173 (*synth*)
U.S. Pat., 2 192 197, (1936); *CA*, **34**, 4528d (*synth*)
 Dutton, G.S. *et al*, *Can. J. Chem.*, 1953, **31**, 685 (*deriv*)
 Hall, R.C. *et al*, *J. Agric. Food Chem.*, 1972, **20**, 546 (*synth*)
Ger. Pat., 3 825 163, (1990); *CA*, **113**, 217777v (*use*)

2-Butyl-2-ethyl-5-methyl-4-hexenal **B-1-00421**
Irisal
 [42023-59-6]



$C_{13}H_{24}O$ M 196.3
 Perfumery compd.
 Dieti, H.K. *et al*, *Tet. Lett.*, 1973, 1273 (*synth*)

2-*tert*-Butylfuran **B-1-00422**
 2-(1,1-Dimethylethyl)furan, 9*CI*
 [7040-43-9]

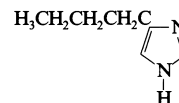


$C_8H_{12}O$ M 124.1
 Liq. Bp 120°.
 Magi, M. *et al*, *Org. Magn. Reson.*, 1977, **9**, 297 (*cmr*)
 Fitzpatrick, J.E. *et al*, *Synth. Commun.*, 1982, **12**, 489 (*synth*, *pmr*)
 Gribble, G.W. *et al*, *Magn. Reson. Chem.*, 1991, **29**, 422 (*synth*, *ir*, *pmr*)

3-*tert*-Butylfuran **B-1-00423**
 3-(1,1-Dimethylethyl)furan
 [7040-42-8]

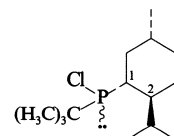
$C_8H_{12}O$ M 124.1
 Liq. Bp 123.5–124°, Bp_{60} 59–64°.
 Shiukin, N.I. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1967, 1618; *CA*, **68**, 95607u (*synth*, *ir*, *pmr*)
 Miller, D. *et al*, *J.C.S.(C)*, 1969, 12 (*synth*, *ir*, *pmr*)
 Kiewiet, A. *et al*, *Org. Magn. Reson.*, 1974, **6**, 461 (*cmr*)

4-Butyl-1*H*-imidazole **B-1-00424**
 [146953-86-8]



$C_7H_{12}N_2$ M 124.1
 Waxy solid. $Bp_{0.1}$ 110–115°.
 Keenan, R.M. *et al*, *J. Med. Chem.*, 1993, **36**, 1880 (*synth*, *pmr*)

tert*-Butyl(2-isopropyl-5-methylcyclohexyl)phosphinous chloride, 8*CI **B-1-00425**
 (1,1-Dimethylethyl)[5-methyl-2-(1-methylethyl)cyclohexyl]phosphinous chloride, 9*CI*



$C_{14}H_{28}ClP$ M 262.8
 (*1*R*,2*S*,5*R**)-form [92808-59-8]

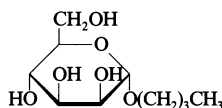
tert-Butylmethylphosphinous chloride. tert-Butylchloromethylphosphine
Liq. Bp_{0.9} 118°. Phosphorus epimers not recognisable spectroscopically because of rapid halogen exchange.

[104012-57-9, 104012-58-0]

Brandos, H. *et al*, *Z. Naturforsch.*, B, 1984, **39**, 1139 (*synth*)

Boese, R. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1985, **25**, 103 (*synth*, *pmr*, *cmr*, P-31 *nmr*)

Hägele, G. *et al*, *J.C.S. Dalton*, 1987, 795 (*synth*, *pmr*, *cmr*, P-31 *nmr*)

Butyl mannoside**B-1-00426** α -D-Pyranose-form

C₁₀H₂₀O₆ M 236.2

α -D-Pyranose-form [146453-36-3]

Constit. of the rhizomes of *Acanthopanax obovatus*. [α]_D²⁰ – 128.4 (c, 1.6 in MeOH).

2,3,4,6-Tetrabenzoyl: [146399-93-1].

C₃₈H₃₆O₁₀ M 652.6 Syrup. [α]_D²⁰ – 16.7 (c, 0.6 in CH₂Cl₂).

β -D-Pyranose-form [143289-25-2]

Syrup. [α]_D²⁰ – 26.2 (c, 0.7 in H₂O).

Meldal, M. *et al*, *Carbohydr. Res.*, 1992, **235**, 115 (α -D-pyr, tetrabenzoyl, *pmr*, *cmr*)

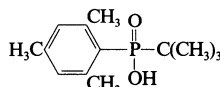
Taubken, N. *et al*, *Synthesis*, 1992, 517 (β -D-pyr, *pmr*, *cmr*)

Taubken, N. *et al*, *J. Carbohydr. Chem.*, 1993, **12**, 651; 1994, **13**, 343 (β -D-pyr, *pmr*, *cmr*)

Si, J. *et al*, *Zhiwu Xuebao*, 1993, **35**, 483 (*isol*)

tert-Butylmesitylphosphinic acid**B-1-00427**

(1,1-Dimethylethyl)(2,4,6-trimethylphenyl)phosphinic acid



C₁₃H₂₁O₂P M 240.2

Chloride: [147050-17-7].

C₁₃H₂₀ClOP M 258.7 Cryst. (petrol). Mp 90.5-92.5°.

Amide: [147050-19-9].

C₁₃H₂₂NOP M 239.2 Cryst. (toluene/petrol). Mp 157-158.5°.

Azide: [137248-25-0].

C₁₃H₂₀N₃OP M 265.2 Cryst. Mp 46-48°. Bp_{0.6} 140° (oven).

Harger, M.J.P. *et al*, *J.C.S. Perkin 1*, 1993, 227 (*synth*, *ms*, *ir*, P-31 *nmr*)

Butyl methyl disulfide, 9CI**B-1-00428**

[60779-24-0]



C₅H₁₂S₂ M 136.2

Liq. Bp₁₀ 58°. n_D^{24} 1.5008.

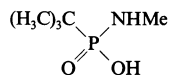
Armitage, D.A. *et al*, *J.C.S. Perkin 1*, 1972, 680 (*synth*)

Zwanenburg, B. *et al*, *Tetrahedron*, 1979, **35**, 169 (*synth*, *pmr*)

Metzner, P. *et al*, *Synthesis*, 1994, 761 (*synth*, *pmr*, *cmr*, *ms*)

P-tert-Butyl-N-**methylphosphonamidic acid****B-1-00429**

P-(1,1-Dimethylethyl)-N-methylphosphonamidic acid



C₅H₁₄NO₂P M 151.1

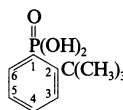
Me ester: [85656-10-6]. Methyl P-tert-butyl-N-methylphosphonamidate

C₆H₁₆NO₂P M 165.1 Solid with low Mp. Bp₁ 128-134° (oven).

Harger, M.J.P. *et al*, *Tetrahedron*, 1982, **38**, 3073 (*synth*, *ir*, *pmr*)

(2-tert-Butylphenyl)**phosphonic acid, 8CI****B-1-00430**

[2-(1,1-Dimethylethyl)phenyl]phosphonic acid, 9CI



C₁₀H₁₅O₃P M 214.2

Esters have yet only been synth. in isomer mixtures.

[72596-38-4, 124772-21-0]

Ohmori, H. *et al*, *J.C.S. Perkin 1*, 1979, 2023.

Romakhin, A.S. *et al*, *Electrochim. Acta*, 1989, **34**, 1417.

(3-tert-Butylphenyl)**phosphonic acid, 8CI****B-1-00431**

[3-(1,1-Dimethylethyl)phenyl]phosphonic acid, 9CI

C₁₀H₁₅O₃P M 214.2

Esters have yet only been synth. in isomer mixts.

[124772-18-5, 124772-25-4]

Romakhin, A.S. *et al*, *Electrochim. Acta*, 1989, **34**, 1417.

(4-tert-Butylphenyl)**phosphonic acid, 8CI****B-1-00432**

[4-(1,1-Dimethylethyl)phenyl]phosphonic acid [16839-07-9]

C₁₀H₁₅O₃P M 214.2

Cryst. (H₂O). Mp 193-194°.

Di-Et ester: [72596-31-7]. Diethyl (4-tert-butylphenyl)phosphonate

C₁₄H₂₃O₃P M 270.3 Liq. Bp_{0.4} 142-143°.

[100134-03-0]

Romakhin, A.S. *et al*, *Electrochim. Acta*, 1989, **34**, 1417.

Katritzky, A.R. *et al*, *Org. Prep. Proced. Int.*, 1990, **22**, 209 (*synth*, *pmr*, *cmr*)

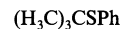
Yuan, C. *et al*, *Synthesis*, 1990, 140 (*synth*, P-31 *nmr*)

Hu, W. *et al*, *Chin. Chem. Lett.*, 1992, **3**, 579 (P-31 *nmr*)

Yuan, C. *et al*, *Heteroat. Chem.*, 1993, **4**, 23 (P-31 *nmr*)

tert-Butyl phenyl sulfide**B-1-00433**

[(1,1-Dimethylethylthio)benzene, 9CI. 2-Methyl-2-(phenylthio)propane [3019-19-0]



C₁₀H₁₄S M 166.2

d_4^{20} 0.990. Bp₁₀ 79-80°. n_D^{20} 1.5335.

S,S-Dioxide: [4170-72-3]. tert-Butyl phenyl sulfone

C₁₀H₁₄O₂S M 198.2 Needles. Mp 98-99°.

Ipatieff, V.N. *et al*, *J.A.C.S.*, 1938, **60**, 2731 (*synth*)

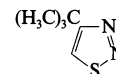
Iwao, M. *et al*, *J.O.C.*, 1989, **54**, 24 (*sulfone*)

Clayden, J. *et al*, *J.C.S. Perkin 1*, 1995, 7 (*synth*)

4-tert-Butyl-1,2,3-thiadiazole**B-1-00434**

4-(1,1-Dimethylethyl)-1,2,3-thiadiazole, 9CI

[40753-16-0]



C₆H₁₀N₂S M 142.2

Cryst. Mp 23°.

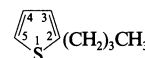
Seybold, G. *et al*, *Chem. Ber.*, 1977, **110**, 1225 (*synth*)

L'abbé, G. *et al*, *Bull. Soc. Chim. Belg.*, 1991, **100**, 623 (*cmr*)

L'abbé, G. *et al*, *J. Het. Chem.*, 1993, **30**, 301 (N-15 *nmr*)

2-Butylthiophene, 9CI**B-1-00435**

[1455-20-5]



C₈H₁₂S M 140.2

Liq. d_4^{20} 0.9537. Bp 182-184°. Bp₁₈ 97°. n_D^{20} 1.5004.

Pines, H. *et al*, *J.A.C.S.*, 1951, **73**, 5173 (*synth*)
Cagniant, P. *et al*, *Bull. Soc. Chim. Fr.*, 1955, 359 (*synth*)

Grey, T.F. *et al*, *J.C.S.*, 1960, 1502 (*synth*)

Suzuki, A. *et al*, *Bull. Soc. Chim. Fr.*, 1979, **52**, 1865 (*synth*, *ir*, *pmr*)

3-Butylthiophene, 9CI**B-1-00436**

[34722-01-5]

C₈H₁₂S M 140.2

Liq. Bp₇₃₉ 176-178°. Bp₁₅ 85°. n_D^{20} 1.5114.

Wynberg, H. *et al*, *J.A.C.S.*, 1957, **79**, 1972 (*synth*)

Suzuki, A. *et al*, *Bull. Chem. Soc. Jpn.*, 1981, **54**, 1587 (*synth*, *ir*, *pmr*)

Zimmer, H. *et al*, *Synth. Commun.*, 1986, **16**, 689 (*synth*, *pmr*)

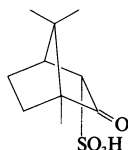
Budzikiewicz, H. *et al*, *Org. Mass Spectrom.*, 1994, **29**, 432 (*ms*)

Kirsch, G. *et al*, *Synth. Commun.*, 1994, **24**, 1721 (*synth*, *pmr*)

C

Camphor-3-sulfonic acid C-1-00001

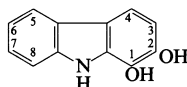
4,7,7-Trimethyl-3-oxobicyclo[2.2.1]heptane-2-sulfonic acid, 9CI. 2-Oxo-3-bornanesulfonic acid, 8CI. Camphor- α -sulfonic acid



$C_{10}H_{16}O_4S$ M 232.3
(*IRS,3SR*)-form [22555-64-2]
(\pm)-endo-form
Mp 250° dec. (as Na salt).
Chloride: [122437-11-0].
 $C_{10}H_{15}ClO_3S$ M 250.7 Mp 45-48°.
[46365-22-4, 50894-65-0, 122518-20-1]
Cremlyn, R.J. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1988, **39**, 165 (*synth, bibl*)

9H-Carbazole-1,2-diol C-1-00002

1,2-Dihydroxycarbazole



$C_{12}H_9NO_2$ M 199.2
Di-Me ether: 1,2-Dimethoxycarbazole
 $C_{14}H_{13}NO_2$ M 227.2 Cryst. (EtOH).
Mp 134°.
Loeffler, A. *et al*, *Nature (London)*, 1953, **172**, 820 (*synth, deriv*)

9H-Carbazole-1,4-diol, 9CI C-1-00003

1,4-Dihydroxycarbazole

$C_{12}H_9NO_2$ M 199.2
Di-Me ether: [100866-46-4]. 1,4-Dimethoxycarbazole, 9CI
 $C_{14}H_{13}NO_2$ M 227.2 Cryst. (EtOH aq.). Mp 111.5-113°.
Blackhall, A. *et al*, *J.C.S.*, 1954, 3916 (*synth, deriv*)
Smith, P.A.S. *et al*, *J.O.C.*, 1958, **23**, 524 (*synth, deriv*)
Parrick, J. *et al*, *J. Chem. Res., Synop.*, 1990, 1 (*synth, deriv*)

9H-Carbazole-2,7-diol, 9CI C-1-00004

2,7-Dihydroxycarbazole

$C_{12}H_9NO_2$ M 199.2
Di-Me ether: [61822-18-2]. 2,7-Dimethoxycarbazole, 9CI
 $C_{14}H_{13}NO_2$ M 227.2 Mp 272°.
Raj, K. *et al*, *Indian J. Chem., Sect. B*, 1976, **14**, 371.
Zelent, B. *et al*, *J. Photochem. Photobiol., A*, 1991, **56**, 165.

9H-Carbazole-3,6-diol C-1-00005

3,6-Dihydroxycarbazole

[15773-73-6]
 $C_{12}H_9NO_2$ M 199.2

Mp >300°.
Di-Ac: [15773-75-8].
 $C_{16}H_{13}NO_4$ M 283.2 Mp 212-214°.
Di-Me ether: 3,6-Dimethoxycarbazole
 $C_{14}H_{13}NO_2$ M 227.2 Needles. Mp 102-104°, Mp 178-180°.
Stepanova, L.A. *et al*, *CA*, 1967, **67**, 73475b (*synth*)
Hsieh, B.R. *et al*, *Macromolecules*, 1986, **19**, 516 (*di-Me ether*)

3-[(Carboxymethyl)thio]propanoic acid, 9CI C-1-00006

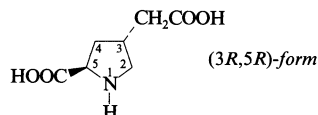
Danosteine, INN. 3-Thiahexanedioic acid [4938-00-5]



$C_5H_8O_4S$ M 164.1
Mucolytic agent. Reduces respiratory inflammation. Plates (C_6H_6). Mp 94°.
S-Benzylthiuronium salt: Cryst. (EtOH). Mp 156-157°.
Larsson, E. *et al*, *Ber.*, 1934, **67**, 757 (*synth*)
Schoeberl, A. *et al*, *Annalen*, 1956, **599**, 140 (*synth*)
Challenger, F. *et al*, *J.C.S.*, 1959, 61 (*synth*)
Laing, D.K. *et al*, *J.C.S. Dalton*, 1975, 2297 (*synth*)
Ger. Pat., 2 548 669, (1976) (*Joullie Internat*); *CA*, **85**, 104202 (*pharmacol*)
Gachon, F. *et al*, *Drug Metab. Dispos.*, 1988, **16**, 853 (*metab*)

5-Carboxy-3-pyrrolidineacetic acid, 9CI C-1-00007

4-(Carboxymethyl)-2-pyrrolidinecarboxylic acid. 4-(Carboxymethyl)proline

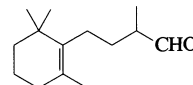


$C_7H_{11}NO_4$ M 173.1
(*3R,5R*)-form
(+)-*trans*-form
Solid. Mp 224-225°. $[\alpha]_D^{22} +66.8$ (c, 0.5 in H_2O).
(*3R,5S*)-form
(-)-*cis*-form
Solid. Mp 234-235°. $[\alpha]_D^{22} -33.4$ (c, 0.35 in H_2O).
(*3S,5R*)-form
(+)-*cis*-form
Solid. Mp 232-233°. $[\alpha]_D^{22} +34.2$ (c, 0.5 in H_2O).
(*3S,5S*)-form [147235-94-7]
(-)-*trans*-form
Solid. Mp 228-229°. $[\alpha]_D^{22} -69$ (c, 0.5 in H_2O) (-66.5).

Langlois, N. *et al*, *Tet. Lett.*, 1993, **34**, 2477 (*synth, pmr*)
Pellicciari, R. *et al*, *J.C.S. Perkin 1*, 1995, 1251 (*synth, pmr, cmr*)

Cetonal™ C-1-00008

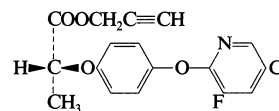
$\alpha,2,6,6$ -Tetramethyl-1-cyclohexene-1-butanal, 9CI. 2-Methyl-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)butanal. Luciferin aldehyde [84518-22-9]



$C_{14}H_{24}O$ M 208.3
Used in perfumery as blending agent.
(\pm)-form [28058-97-1]
Liq. with powerful woody-orris odour.
Bp₂ 90-100°, Bp_{1,6} 93.5°. n_D^{20} 1.4821.
Fracheboud, M.G. *et al*, *Tet. Lett.*, 1969, 3951.
Nakatsubo, F. *et al*, *Tet. Lett.*, 1970, 381.
Ireland, R.E. *et al*, *J.O.C.*, 1971, **36**, 1195 (*synth*)
Kawanobe, T. *et al*, *Agric. Biol. Chem.*, 1986, **50**, 1475.
Japan. Pat., 61 254 516, (1986); *CA*, **106**, 8999K.
Weyersahl, P. *et al*, *Annalen*, 1988, **6**, 507 (*synth, ir, pmr, cmr*)

CGA 184927 C-1-00009

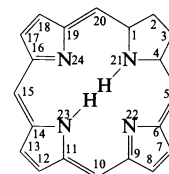
2-Propynyl 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]propanoate, 9CI [105511-96-4]



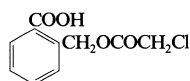
$C_{17}H_{13}ClFNO_4$ M 349.7
(*R*)-form [105512-06-9]
Herbicide. Inhibits lipid biosynth. Cryst. (EtOH). Mp 59.3° (55-56°).
▶ LD₅₀ (rat, orl) 1829 mg/kg.
Eur. Pat., 248 968, (1987); *CA*, **108**, 204504 (*synth, use*)
Cornes, D.W. *et al*, *Brighton Crop Prot. Conf. Pests Dis.*, 1989, 71, 729 (*use*)
Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A1256.

Chlorin C-1-00010

2,3-Dihydro-21H,23H-porphine, 9CI, 8CI [2683-84-3]



$C_{20}H_{16}N_4$ M 312.3
Eisner, U. *et al*, *J.C.S.*, 1955, 3742 (*synth, w*)
Renge, I., *J. Phys. Chem.*, 1993, **97**, 6582 (*w*)
Listead, R.D. *et al*, *Spec. Publ. - Chem. Soc.*, 1995, **3**, 83 (*rev, synth, w*)

2-(Chloroacetoxyethyl)benzoic acid C-1-00011

$C_{10}H_9ClO_4$ M 228.6
Protecting group for carbohydrates.

Chloride:
 $C_{10}H_8Cl_2O_3$ M 247.0 No phys. props. reported.

Ziegler, T. *et al*, *Annalen*, 1994, 659.

2-Chlorobenzenemethanethiol, 9CI C-1-00012

2-Chlorobenzyl mercaptan. 2-Chloro- α -mercaptotoluene. o-Chloro- α -toluenethiol [39718-00-8]



C_7H_7ClS M 158.6
Liq. Bp₂₅ 120-121°, Bp₁₃ 100-104°. n_D^{28} 1.5650. n_D^{20} 1.5904.

S-(3,5-Dinitrobenzoyl): Yellow cryst. Mp 112.5-113.5°.

S-Me: [57984-15-3]. 1-Chloro-2-[(methylthio)methyl]benzene, 9CI. 2-Chlorobenzyl methyl sulfide
 C_8H_9ClS M 172.6 Liq. Bp₂₀ 123-124°, Bp_{0.1} 52-62°.

Aldrich Library of FT-IR Spectra, 1st edn., 3, 1091A.

Speroni, G. *et al*, *Gazz. Chim. Ital.*, 1940, 70, 472 (synth)

Boenigk, J.W. *et al*, *J. Am. Pharm. Assoc.*, 1949, 38, 357 (synth)

Lewis, T.R. *et al*, *J.A.C.S.*, 1951, 73, 2109 (synth)

Tamura, Y. *et al*, *Synthesis*, 1975, 641 (S-Me, synth)

3-Chlorobenzenemethanethiol, 9CI C-1-00013

3-Chlorobenzyl mercaptan. m-Chloro- α -toluenethiol, 8CI [25697-57-8]

C_7H_7ClS M 158.6
Liq. Bp₁₉ 118°. n_D^{27} 1.5830.

S-Me: [35657-16-0]. 1-Chloro-3-[(methylthio)methyl]benzene, 9CI. 3-Chlorobenzyl methyl sulfide

C_8H_9ClS M 172.6 Liq. Bp₁₃ 117-118°.

Lombardino, J.G. *et al*, *J. Med. Chem.*, 1970, 13, 206 (synth)

4-Chlorobenzenemethanethiol, 9CI C-1-00014

p-Chloro- α -toluenethiol, 8CI. 4-Chlorobenzyl mercaptan. 1-Chloro-4-(mercaptomethyl)benzene. 4-Chloro- α -mercaptotoluene [6258-66-8]

C_7H_7ClS M 158.6
Liq. d 1.20. Mp 19-20°. Bp₁₇ 113-114°, Bp₁₀ 105°, Bp_{0.4} 66-67°. n_D^{20} 1.5893. Stench.

Na salt: [43170-85-0].
Solid.

S-(3,5-Dinitrobenzoyl): Yellow cryst. Mp 153.5-155°.

S-Me: [5925-82-6]. 1-Chloro-4-[(methylthio)methyl]benzene, 9CI. 4-Chlorobenzyl methyl sulfide

C_8H_9ClS M 172.6 Liq. Bp₂ 76-77°.

Aldrich Library of FT-IR Spectra, 1st edn., 3, 1095A.

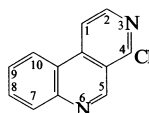
Aldrich Library of NMR Spectra, 2nd edn., 1, 986A.

Lewis, T.R. *et al*, *J.A.C.S.*, 1951, 73, 2109 (synth)

Kula, M. *et al*, *Can. J. Chem.*, 1956, 34, 1093 (synth)

Molina, P. *et al*, *Synthesis*, 1982, 472 (synth)

Olah, G.A. *et al*, *Synthesis*, 1994, 277 (S-Me, synth)

4-Chlorobenzo[c][2,7]naphthyridine C-1-00015

$C_{12}H_7ClN_2$ M 214.6
Cryst. (Et₂O/cyclohexane). Mp 176°.

Cochennec, C. *et al*, *J.C.S. Perkin I*, 1995, 979 (synth, ir, pmr)

6-Chloro-2H-1-benzopyran, 9CI, 8CI C-1-00016

6-Chloro-2H-chromene

[16336-27-9]

C_9H_7ClO M 166.6

Oil. Bp_{14.5} 120°, Bp₁ 68.5°. n_D^{20} 1.5995.

Maitte, P., *Ann. Chim. (Paris)*, 1954, 9, 431 (synth)

Iwai, I. *et al*, *Chem. Pharm. Bull.*, 1963, 11, 1042 (synth, uv)

Canalini, G. *et al*, *Ann. Chim. (Rome)*, 1967, 57, 1045 (synth, uv, pmr)

Andreev, N.A. *et al*, *Zh. Org. Khim.*, 1984, 20, 369; *J. Org. Chem. USSR (Engl. Transl.)*, 1984, 20, 331 (synth, pmr, ir)

7-Chloro-2H-1-benzopyran, 8CI C-1-00017

7-Chloro-2H-chromene

[18385-91-6]

C_9H_7ClO M 166.6

Oil. Bp_{0.4} 84-85°. n_D^{23} 1.6029.

Iwai, I. *et al*, *Chem. Pharm. Bull.*, 1963, 11, 1042 (synth, uv)

Canalini, G. *et al*, *Ann. Chim. (Rome)*, 1967, 57, 1045 (synth, uv, pmr)

8-Chloro-2H-1-benzopyran, 9CI, 8CI C-1-00018

8-Chloro-2H-chromene

[42969-79-9]

C_9H_7ClO M 166.6

Oil. Bp₁₂ 130°, Bp_{1.5} 85.5°. n_D^{20} 1.6005.

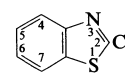
Iwai, I. *et al*, *Chem. Pharm. Bull.*, 1963, 11, 1042 (synth, uv)

Šarčević, N. *et al*, *Helv. Chim. Acta*, 1973, 56, 92 (synth, ir, uv, pmr, ms)

Andreev, N.A. *et al*, *Zh. Org. Khim.*, 1984, 20, 369; *J. Org. Chem. USSR (Engl. Transl.)*, 1984, 20, 331 (synth, pmr, ir)

2-Chlorobenzothiazole C-1-00019

[615-20-3]



C_7H_4ClNS M 169.6

Liq. d_4^{20} 1.30. Mp 21-23°. Bp₃₀ 141°, Bp₂₁ 132-134°, Bp₂ 70-73°. n_D^{20} 1.6380.

▶ DL3150000.

N-Me: see 2-Chloro-3-methylbenzothiazolium(I+), C-0-01997

Aldrich Library of FT-IR Spectra, 1st edn., 3, 1511D.

Aldrich Library of NMR Spectra, 2nd edn., 2, 574D.

Hofmann, A.F., *Ber.*, 1880, 13, 9.

Davidovics, G. *et al*, *J. Chim. Phys. Phys.-Chim. Biol.*, 1974, 71, 659 (ir, Raman)

Sawhney, S.N. *et al*, *J.O.C.*, 1979, 44, 1136 (cmr)

Czech. Pat., 233 447, (1983); *CA*, 106, 196439 (synth)

Shibata, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1992, 65, 3163 (synth, ir)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th edn., Van Nostrand Reinhold, 1984, 683.

4-Chlorobenzothiazole C-1-00020

[3048-45-1]

C_7H_4ClNS M 169.6

Solid (pentane). Mp 57°.

Taddei, F. *et al*, *Gazz. Chim. Ital.*, 1965, 95, 499 (synth, pmr)

5-Chlorobenzothiazole, 9CI C-1-00021

[2786-51-8]

C_7H_4ClNS M 169.6

Cryst. (EtOH). Mp 106°.

Lankelma, H.P. *et al*, *J.A.C.S.*, 1931, 53, 2654 (synth)

Metzger, J. *et al*, *Bull. Soc. Chim. Fr.*, 1964, 2857 (synth)

Taddei, F. *et al*, *Gazz. Chim. Ital.*, 1965, 95, 499 (pmr)

6-Chlorobenzothiazole, 9CI C-1-00022

[2942-10-1]

C_7H_4ClNS M 169.6

Cryst. Mp 41°. Bp₂ 111°.

Picrate: Bright yellow solid. Mp 136°.

Boggust, W.A. *et al*, *J.C.S.*, 1949, 355 (synth)

Takahashi, T. *et al*, *Yakugaku Zasshi*, 1960, 80, 260; *CA*, 54, 13103g (synth)

Taddei, F. *et al*, *Gazz. Chim. Ital.*, 1965, 95, 499 (pmr, synth)

Sawhney, S.N. *et al*, *J.O.C.*, 1979, 44, 1136 (cmr)

7-Chlorobenzothiazole C-1-00023

C_7H_4ClNS M 169.6

Solid (EtOH aq.). Mp 66°.

Taddei, F. *et al*, *Gazz. Chim. Ital.*, 1965, 95, 499 (synth, pmr)

 α -Chlorobenzylphosphonic acid C-1-00024

(Chlorophenylmethyl)phosphonic acid

PhCHClP(O)(OH)₂

C₇H₈ClO₃P M 206.5**(±)-form**

Di-Me ester: Dimethyl (α-chlorobenzyl) phosphonate. Dimethyl (chlorophenylmethyl)phosphonate

C₉H₁₂ClO₃P M 234.6 Liq. Bp_{0,7} 105°. n_D²⁵ 1.5276.

Di-Et ester: Diethyl (α-chlorobenzyl) phosphonate. Diethyl (chlorophenylmethyl) phosphonate

C₁₁H₁₆ClO₃P M 262.6 Liq. Bp_{0,4} 118-120°. n_D²⁰ 1.5116.

Dichloride: see (Chlorophenylmethyl) phosphonic dichloride, C-1-00153 [16965-75-6, 53378-80-6]

Seyforth, D. *et al*, *J.O.C.*, 1971, **36**, 1379 (*synth*, *ir*, *pmr*)Petrova, J. *et al*, *Synthesis*, 1975, 658 (*ester*, *synth*)Gajda, T., *Synthesis*, 1990, 717 (*di-Et ester*, *synth*, *ir*, *pmr*, *P-31 nmr*)**3-Chlorobicyclo[1.1.1]pentane-1-carboxylic acid, 9CI** C-1-00025

[156329-73-6]

C₆H₇ClO₂ M 146.5

Cryst. by subl. Mp 165-165.5°.

Me ester: [156329-71-4].C₇H₉ClO₂ M 160.6 Cryst. by subl. Mp 63-64°.Della, E.W. *et al*, *J.O.C.*, 1994, **59**, 2986 (*synth*, *ir*, *pmr*, *cmr*, *ms*)**1-Chloro-2,2-bis(chloromethyl) butane, 9CI** C-1-00026

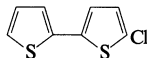
1,1,1-Tris(chloromethyl)propane [82925-88-0]

C₆H₁₁Cl₃ M 189.5

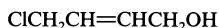
Cryst. (MeOH). Mp 43-44°.

U.S. Pat., 2 441 595, (1948); *CA*, **42**, 7323f (*synth*)Bolotov, A.A. *et al*, *Zh. Org. Khim.*, 1982, **18**, 2060; *CA*, **98**, 107261m (*synth*)**5-Chloro-2,2'-bithiophene, 9CI** C-1-00027*5-Chloro-2,2'-bithienyl*

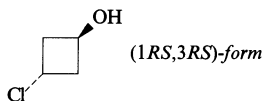
[3339-85-3]

C₈H₅ClS₂ M 200.7Oil. Bp_{0,05} 55°.Curtis, R.F. *et al*, *J.C.S.*, 1965, 5134 (*synth*, *wv*)**4-Chloro-2-buten-1-ol, 9CI** C-1-00028*4-Chlorocrotyl alcohol*

[7523-44-6]

C₄H₇ClO M 106.5**(E)-form** [1775-39-9]Liq. Bp₁₀ 75-78°. n_D²⁴ 1.4790.*Ac*: [34414-28-3].C₆H₉ClO₂ M 148.5 Liq. Bp₁₇ 87°.**(Z)-form** [1576-93-8]Liq. Bp₁₁ 79-81°. n_D²⁵ 1.4838.Colonge, J. *et al*, *Bull. Soc. Chim. Fr.*, 1955, 953 (*synth*)Thomas, D.A. *et al*, *J.C.S.*, 1965, 2988 (*synth*)Heasley, V.L. *et al*, *J.O.C.*, 1972, **37**, 2228 (*Ac*)Imai, T. *et al*, *Synthesis*, 1993, 395 (*synth*, *pmr*)**3-Chlorocyclobutanol**

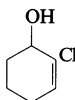
C-1-00029

C₄H₇ClO M 106.5Bp₂₀ 85-95°. *cis:trans* 60:40.**(1R,3R)-form** [152713-95-6]*trans-form**4-Methylbenzenesulfonyl*: [26505-67-9].

Solid. Mp 39.0-39.5°.

(1R,3SR)-form [152713-94-5]*cis-form*Liq. Sep. from *trans*-isomer by vpc.*4-Methylbenzenesulfonyl*: [26505-66-8].Cryst. (Et₂O/pentane). Mp 57.0-57.5°.Wiberg, K.B. *et al*, *J.A.C.S.*, 1993, **115**, 10645 (*synth*)**2-Chloro-2-cyclohexen-1-ol**

C-1-00030

C₆H₉ClO M 132.5**(±)-form** [109380-10-1]Liq. Bp₁₅ 86-87°. n_D²⁰ 1.5088.*Ac*: [109380-18-9].C₈H₁₁ClO₂ M 174.6 Liq. Bp₁₅ 106°.n_D²⁰ 1.4804.

[67820-31-9]

Mousseron, M. *et al*, *Bull. Soc. Chim. Fr.*, 1950, 648 (*synth*)Bergman, E., *J.O.C.*, 1963, **28**, 2210 (*synth*, *Ac*)Domnin, N.A. *et al*, *Zh. Obshch. Khim.*, 1964, **34**, 2848; *J. Gen. Chem. USSR (Engl. Transl.)*, 1964, **34**, 2881 (*synth*)Bentley, T.W. *et al*, *Annalen*, 1995, 599 (*synth*, *pmr*, *cmr*)**1-Chlorocyclooctene, 9CI**

C-1-00031

[1890-22-8]

C₈H₁₃Cl M 144.6**(E)-form** [86428-68-4]*cis-form*Oil. Bp₃₁ 86-86.8°. n_D²⁰ 1.4927.Kohler, E.P. *et al*, *J.A.C.S.*, 1939, **61**, 1057 (*synth*)Braude, E.A. *et al*, *J.C.S.*, 1957, 4711 (*synth*, *ir*)Brown, A.B. *et al*, *Synth. Commun.*, 1995, **25**, 485 (*synth*, *ir*, *pmr*, *cmr*)**3-Chlorocyclooctene, 9CI**

C-1-00032

[24618-80-2]

C₈H₁₃Cl M 144.6**(±)-(Z)-form**Liq. Bp₁₃ 71-72°. n_D²⁰ 1.4952.

[14796-70-4]

Henniger, P.W. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1966, **85**, 1177 (*synth*)Penman, K.G. *et al*, *J.C.S. Perkin 1*, 1991, 721 (*cmr*)**4-Chlorocyclooctene, 9CI**

C-1-00033

C₈H₁₃Cl M 144.6**(±)-(Z)-form**Liq. Bp₁₀ 67-69°. n_D²⁰ 1.4965.

[14987-71-4]

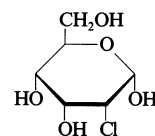
Henniger, P.W. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1966, **85**, 1177 (*synth*)Andrejević, V. *et al*, *J. Serb. Chem. Soc.*, 1989, **54**, 325 (*ir*, *pmr*, *ms*)**5-Chlorocyclooctene, 9CI**

C-1-00034

[1855-55-6]

C₈H₁₃Cl M 144.6**(±)-(Z)-form**Oil. Bp₁₀ 71-72°.Ashby, E.C. *et al*, *J.O.C.*, 1986, **51**, 3598 (*synth*, *pmr*)Bloodworth, A.J. *et al*, *J.C.S. Perkin 1*, 1990, 2957 (*synth*, *pmr*, *cmr*, *ms*)**2-Chloro-2-deoxyallose**

C-1-00035



α-D-Pyranose-form

C₆H₁₁ClO₅ M 198.6**α-D-Pyranose-form***Me glycoside: Methyl 2-chloro-2-deoxy-α-D-allopyranoside*C₇H₁₃ClO₅ M 212.6 Cryst. Mp 160-161°. [α]_D +111 (MeOH).*Me glycoside, 3,4-O-benzylidene (R-)*: [35775-03-2].C₁₄H₁₇ClO₅ M 300.7 Syrup. [α]_D²⁰ +20 (c, 3.0 in CHCl₃).*Me glycoside, 4,6-O-benzylidene*: [35775-02-1].C₁₄H₁₇ClO₅ M 300.7 Cryst. Mp 102-103.5°. [α]_D +88.4 (CHCl₃).*Me glycoside, 4,6-O-benzylidene, 3-Me*:

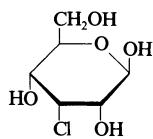
[19685-18-8].

C₁₈H₁₉ClO₅ M 314.7 Cryst.(Me₂CO/Et₂O/petrol). Mp 121-122°. [α]_D +68 (c, 0.82 in CHCl₃).*Me glycoside, 3,4-O-isopropylidene*:C₁₀H₁₇ClO₅ M 252.6 Mp 60°. [α]_D +75.9 (CHCl₃).**β-D-Pyranose-form***1,6-Anhydro, 3,4-di-Ac*:C₁₀H₁₃ClO₆ M 264.6 Cryst. Mp 90-91°. [α]_D -212 (CHCl₃).Newth, F.H. *et al*, *J.C.S.*, 1947, 10*(isopropylidene, β-D-deriv)*Richards, G.N. *et al*, *J.C.S.*, 1956, 496 (*4,6-benzylidene*)

Hanessian, S. *et al*, *J.O.C.*, 1969, **34**, 2163 (3-Me, pmr)

Inch, T.D. *et al*, *Carbohydr. Res.*, 1972, **21**, 37 (benzylidene)

3-Chloro-3-deoxyallose C-1-00036



β -D-Pyranose-form

$C_6H_{11}ClO_5$ M 198.6

β -D-Pyranose-form

Me glycoside: [4991-00-8].

$C_7H_{13}ClO_5$ M 212.6 Syrup. $[\alpha]_D^{23}$ -49 (c, 1.0 in H_2O), $[\alpha]_D$ +51 (c, 1.0 in MeOH). Widely varying $[\alpha]_D$ values in the literature.

Me glycoside, 4,6-O-benzylidene: [4990-99-2]. $C_{14}H_{17}ClO_5$ M 300.7 Cryst. (Et_2O). Mp 132-133° (125.5-127°). $[\alpha]_D$ +50.5 (c, 1.0 in $CHCl_3$), $[\alpha]_D^{25}$ -47 (c, 1.02 in $CHCl_3$). Widely varying $[\alpha]_D$ values in the literature.

Me glycoside, 4,6-O-benzylidene (R-), 2-Ac: [131474-43-6].

$C_{16}H_{19}ClO_6$ M 342.7 $[\alpha]_D$ -94 (c, 1.0 in CH_2Cl_2).

α -D-Furanose-form

1,2:5,6-Di-O-isopropylidene: [74925-18-1].

$C_{12}H_{19}ClO_5$ M 278.7 Cryst. Mp 52°. $[\alpha]_D^{25}$ +41 (c, 1.0 in $CHCl_3$).

Williams, E.H. *et al*, *Can. J. Chem.*, 1971, **49**, 796 (β -Me gly, benzylidene)

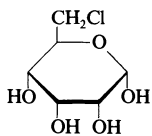
Arita, H. *et al*, *Bull. Chem. Soc. Jpn.*, 1972, **45**, 567 (benzylidene)

Szarek, W.A. *et al*, *Can. J. Chem.*, 1974, **52**, 3394 (benzylidene, cmr)

Kunz, H. *et al*, *Annalen*, 1982, 1245 (diisopropylidene)

Khan, R. *et al*, *Carbohydr. Res.*, 1990, **205**, 211 (β -Me gly deriv, pmr, cmr, ms)

6-Chloro-6-deoxyallose C-1-00037



$C_6H_{11}ClO_5$ M 198.6

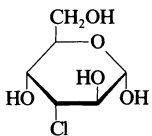
α -D-Pyranose-form

Me glycoside, 2,3-anhydro: [19685-17-7].

$C_7H_{11}ClO_4$ M 194.6 Cryst. (Et_2O /petrol). Mp 93-94°. $[\alpha]_D$ +155 (c, 0.59 in $CHCl_3$).

Hanessian, S. *et al*, *J.O.C.*, 1969, **34**, 2163 (anhydro, pmr)

3-Chloro-3-deoxyaltrose C-1-00038



α -D-Pyranose-form

$C_6H_{11}ClO_5$ M 198.6

α -D-Pyranose-form

Me glycoside:

$C_7H_{13}ClO_5$ M 212.6 Syrup. $[\alpha]_D^{20}$ +103.5 (c, 1.0 in $EtOH$).

Me glycoside, tri-Ac:

$C_{13}H_{19}ClO_8$ M 338.7 Cryst. ($EtOH$). Mp 98-99°. $[\alpha]_D^{20}$ +70.3 ($CHCl_3$), $[\alpha]_D^{20}$ +73 (c, 1.61 in $CHCl_3$).

Me glycoside, 4,6-O-benzylidene (R-):

[131613-80-4]. $C_{14}H_{17}ClO_5$ M 300.7 Syrup.

Me glycoside, 4,6-O-benzylidene, 2-Ac:

$C_{16}H_{19}ClO_6$ M 342.7 Cryst. ($EtOH$). Mp 126°. $[\alpha]_D^{17}$ +90 (c, 1.89 in $CHCl_3$).

β -D-Pyranose-form

Me glycoside: Cryst. ($EtOAc$). Mp 128-129°. $[\alpha]_D^{20}$ -111.8 (c, 0.33 in $EtOH$).

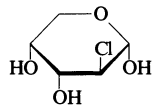
1,6-Anhydro, 2,4-di-Ac:

$C_{10}H_{13}ClO_6$ M 264.6 Cryst. ($EtOH$). Mp 114-115°. $[\alpha]_D^{19}$ -202 (c, 0.91 in $CHCl_3$).

Newth, F.H. *et al*, *J.C.S.*, 1953, 989 (α -Me gly, β -Me gly, anhydro)

Hughes, A.B. *et al*, *Aust. J. Chem.*, 1990, **43**, 1681 (benzylidene, pmr)

2-Chloro-2-deoxyarabinose C-1-00039



α -D-Pyranose-form

$C_5H_9ClO_4$ M 168.5

D-form

Mp 135°. $[\alpha]_D$ -126 (H_2O).

Diethyl dithioacetate:

$C_9H_{19}ClO_3S_2$ M 274.8 Mp 83° dec. $[\alpha]_D^{20}$ +67 (c, 2.0 in dioxan).

α -D-Pyranose-form

Me glycoside, 3,4-di-Ac:

$C_{10}H_{15}ClO_6$ M 266.6 Cryst. Mp 99-100°. $[\alpha]_D$ -59.6 ($CHCl_3$).

α -D-Furanose-form

Tri-Ac: [30589-74-3].

$C_{11}H_{15}ClO_7$ M 294.6 Bp_{0.2} 135°. $[\alpha]_D^{20}$ +28.1 (c, 1.0 in $CHCl_3$).

Me glycoside: [55735-87-0]. *Methyl 2-chloro-2-deoxy- α -D-arabinofuranoside*

$C_6H_{11}ClO_4$ M 182.6 Syrup.

Me glycoside, 3,5-di-Ac: [55735-88-1].

$C_{10}H_{15}ClO_6$ M 266.6 Syrup. Bp_{0.08} 100°. $[\alpha]_D^{20}$ +45.2 (c, 2.0 in $CHCl_3$).

Me glycoside, 3,5-dibenzyl: [55740-54-0].

$C_{20}H_{23}ClO_4$ M 362.8 Syrup.

Et glycoside, 3,5-di-Ac:

$C_{11}H_{17}ClO_6$ M 280.7 Bp_{0.02} 87°. $[\alpha]_D^{20}$ +25 (c, 2.0 in $CHCl_3$).

β -D-Pyranose-form

Me glycoside: Methyl 2-chloro-2-deoxy- β -D-arabinofuranoside

$C_6H_{11}ClO_4$ M 182.6 Syrup. $[\alpha]_D^{20}$ -95.1 (c, 2.0 in H_2O).

Me glycoside, 3,5-di-Ac: Cryst.

(C_6H_6 /petrol). Mp 74-76°. Bp_{0.2} 115-117°. $[\alpha]_D^{20}$ -122 (c, 2.0 in $CHCl_3$).

Vargha, L. *et al*, *Chem. Ber.*, 1963, **96**, 411 (D-form, α -Me pyr)

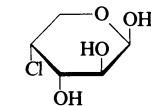
Kuszmanski, J. *et al*, *Chem. Ber.*, 1963, **96**, 2327 (D-form deriv, Me β -D-fur, α -Et fur)

Ritzmann, G. *et al*, *Carbohydr. Res.*, 1975, **39**, 227 (Me α -D-fur)

Kuszmanski, J. *et al*, *Carbohydr. Res.*, 1979, **14**, 415 (tri-Ac)

Ilicheva, I.A. *et al*, *Bioorg. Khim.*, 1989, **15**, 800; *Sov. J. Bioorg. Chem. (Engl. Transl.)*, 1989, **15**, 428 (conformn)

4-Chloro-4-deoxyarabinose C-1-00040



β -D-Pyranose-form

$C_5H_9ClO_4$ M 168.5

β -D-Pyranose-form

Me glycoside:

$C_6H_{11}ClO_4$ M 182.6 Needles ($EtOAc$). Mp 152°. $[\alpha]_D$ +237 (c, 0.96 in MeOH).

L-form

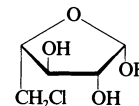
Cryst. ($EtOH$). Mp 150°. $[\alpha]_D$ +155 \rightarrow 119 (equilib.) (c, 0.4 in H_2O).

Phenylosazone: Yellow cryst. (MeOH aq.). Mp 123° dec.

Jennings, H.J. *et al*, *Can. J. Chem.*, 1962, **40**, 1408 (synth, L-form, Me gly)

Barnett, J.E.G., *Adv. Carbohydr. Chem.*, 1967, **22**, 177 (rev)

5-Chloro-5-deoxyarabinose C-1-00041



$C_5H_9ClO_4$ M 168.5

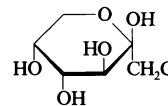
β -L-Furanose-form

1,2-O-Isopropylidene, 3-mesyl: [105953-27-3].

$C_6H_{15}ClO_6S$ M 286.7 Cryst. (diisopropyl ether). Mp 58-59°. $[\alpha]_D$ -4 (c, 0.50 in $CHCl_3$).

Hughes, N.A. *et al*, *J.C.S. Perkin 1*, 1986, 695 (isopropylidene deriv, pmr)

1-Chloro-1-deoxyfructose C-1-00042



β -D-Pyranose-form

$C_6H_{11}ClO_5$ M 198.6

D-form

[32785-93-6] Syrup. $[\alpha]_D^{22}$ -63 (c, 0.25 in H_2O), $[\alpha]_D$ -53.3 (c, 1.38 in H_2O).

Tetra-Ac:

$C_{14}H_{19}ClO_9$ M 366.7 Cryst. (Et_2O /petrol). Mp 77.5-78°. $[\alpha]_D$ +68 (c, 0.4 in $CHCl_3$).

β -D-Pyranose-form

2,3,4,5-Di-O-isopropylidene: [32785-90-3].

$C_{12}H_{19}ClO_5$ M 278.7 Cryst. (Et_2O /petrol). Mp 53-53.5°. $[\alpha]_D^{22}$ -29.5 (c, 0.19 in $CHCl_3$).

α -D-Furanose-form

Me glycoside: [82877-67-6]. *Methyl 1-chloro-1-deoxy- α -D-fructofuranoside*

$C_7H_{13}ClO_5$ M 212.6 Syrup. $[\alpha]_D^{25}$ +63.7 (MeOH).

Me glycoside, tri-Ac: [82877-49-4].

$C_{13}H_{17}ClO_8$ M 338.7 Cryst. ($CHCl_3$ /hexane). Mp 73.5-74.5°. $[\alpha]_D^{25}$ +113 ($CHCl_3$).

***β*-D-Furanose-form**

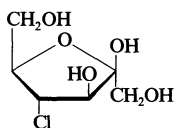
2,3-O-Isopropylidene: [83032-07-9].

C₉H₁₅ClO₅ M 238.6 Cryst.
(CHCl₃/hexane). Mp 94.5-95.5°. [α]_D²⁵
+ 12.4 (CHCl₃).*Me glycoside*: [82877-68-7]. *Methyl 1-chloro-1-deoxy-β-D-fructofuranoside*C₇H₁₃ClO₅ M 212.6 Hygroscopic
syrup. [α]_D²⁵ - 46.7 (MeOH).*Me glycoside, tri-Ac*: [82877-56-3].Syrup. [α]_D²⁵ - 30.7 (CHCl₃).***L*-form***Tetra-Ac*: [23261-13-4].Cryst. (Et₂O/petrol). Mp 76-77°. [α]_D²³ - 68
(c, 4.0 in CHCl₃).***DL*-form***Tetra-Ac*: [23261-14-5].

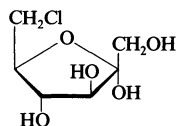
Cryst. Mp 101°.

Wolfrom, M.L. *et al*, *J.A.C.S.*, 1942, **64**, 1701

(D-tetra-Ac)

Humphlett, W.J., *Carbohydr. Res.*, 1968, **7**, 43
(L-tetra-Ac, DL-tetra-Ac)Haylock, C.R. *et al*, *Carbohydr. Res.*, 1971, **16**,375 (*synth*, D-form, diisopropylidene)Barnett, J.E.G. *et al*, *Carbohydr. Res.*, 1972, **25**,511 (*synth*, D-form, diisopropylidene)Guthrie, R.D. *et al*, *Aust. J. Chem.*, 1982, **35**,1003 (*isopropylidene*, α-*Me fur deriv*, β-*Me fur deriv*, *pmr*)Caldwell, G.W. *et al*, *Org. Mass Spectrom.*,1989, **24**, 1051 (*ms*)**4-Chloro-4-deoxyfructose****C-1-00043***β*-D-Furanose-formC₆H₁₁ClO₅ M 198.6***β*-D-Furanose-form**

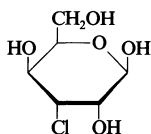
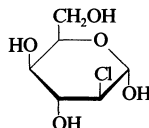
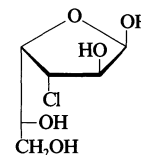
2,3-O-Isopropylidene, 1,6-ditosyl: [82064-04-8].

C₂₃H₂₇ClO₉S₂ M 547.0 Mp 99-99.5°.
[α]_D + 20 (c, 1.0 in CHCl₃).Guthrie, R.D. *et al*, *Carbohydr. Res.*, 1982, **103**,
1 (*isopropylidene*, *cmr*)**6-Chloro-6-deoxyfructose****C-1-00044***α*-D-Furanose-formC₆H₁₁ClO₅ M 198.6***D*-form** [66451-66-9]Potential use as a male contraceptive.
Exhibits anti-fertility activity in male rats.*Tetra-Ac*:C₁₄H₁₉ClO₉ M 366.7 Cryst. Mp 108°.
[α]_D + 45.3 (CHCl₃).***α*-D-Furanose-form***Me glycoside*: [70836-64-5]. *Methyl 6-chloro-6-deoxy-α-D-fructofuranoside*C₇H₁₃ClO₅ M 212.6 Cryst. (MeOH).
Mp 71-73° (70.6-71.5°). [α]_D + 40 (c, 0.5 in
MeOH), [α]_D²⁵ + 47 (MeOH).*Me glycoside, 1-tosyl*: [83031-91-8].Syrup. [α]_D²⁵ + 23.1 (CHCl₃).***β*-D-Furanose-form**

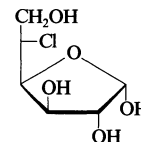
2,3-O-Isopropylidene: [83032-10-4].

C₉H₁₅ClO₅ M 238.6 Mp 73-74°. [α]_D²⁵
+ 4.9 (CHCl₃).

2,3-O-Isopropylidene, 1-tosyl: [82064-02-6].

Cryst. (MeOH). Mp 76°. [α]_D + 17 (c, 1.0
in CHCl₃).*Me glycoside*: [70836-65-6]. *Methyl 6-chloro-6-deoxy-β-D-fructofuranoside*C₇H₁₃ClO₅ M 212.6 Cryst. (MeOH).
Mp 98-99°. [α]_D²⁵ - 35 (CHCl₃).*Me glycoside, 1-tosyl*: [83031-82-7].Syrup. [α]_D²⁵ - 23.6 (CHCl₃).Pacsu, E. *et al*, *J.A.C.S.*, 1933, **55**, 3018 (D-
tetra-Ac)Ford, W.C.L., *Clin. Androl.*, 1980, **5**, 123; *CA*,
96, 174597x (*pharmacol*)Guthrie, R.D. *et al*, *Aust. J. Chem.*, 1982, **35**,
1003, 1019 (α-*Me fur*, α-*Me fur deriv*, β-*Me fur*,
β-*Me fur deriv*, *pmr*)Guthrie, R.D. *et al*, *Carbohydr. Res.*, 1982, **103**,
1 (β-*Me fur tosyl*, *pmr*, *cmr*, *ms*)**3-Chloro-3-deoxygulose****C-1-00045***β*-D-Pyranose-formC₆H₁₁ClO₅ M 198.6***α*-D-Pyranose-form***Me glycoside*: [101947-68-6].C₇H₁₃ClO₅ M 212.6 Prisms. Mp 142°
dec. [α]_D²⁴ + 114.5 (c, 1.2 in H₂O).***β*-D-Pyranose-form***Me glycoside, 4-(N,N-dimethylcarbamoyl)*,2,6-di-*Me*: [84730-46-1].C₁₂H₂₂ClNO₆ M 311.7 Prisms
(diisopropyl ether/pentane). Mp 58-60°.
[α]_D²² - 65 (CHCl₃).Buchanan, J.G., *J.C.S.*, 1958, 2511 (α-*Me pyr*)Copeland, C. *et al*, *Aust. J. Chem.*, 1982, **35**,
2257 (β-*Me pyr deriv*)Toufeili, I.A. *et al*, *Aust. J. Chem.*, 1985, **38**,
1425 (α-*Me pyr*, *cmr*)**2-Chloro-2-deoxyidose****C-1-00046**C₆H₁₁ClO₅ M 198.6***α*-D-Pyranose-form***Me glycoside*:C₇H₁₃ClO₅ M 212.6 Cryst. Mp 124-
126°. [α]_D + 86.6 (H₂O).*Me glycoside, 4,6-O-benzylidene*:C₁₄H₁₇ClO₅ M 300.7 Cryst. Mp 166°.
[α]_D + 64.8 (CHCl₃).Buchanan, J.G., *J.C.S.*, 1958, 995 (α-*Me gly*,
benzylidene)**3-Chloro-3-deoxyidose****C-1-00047**C₆H₁₁ClO₅ M 198.6***β*-D-Furanose-form**

1,2:5,6-Di-O-isopropylidene: [32785-97-0].

C₁₂H₁₉ClO₅ M 278.7 Cryst. (petrol).
Mp 108.5-110°. [α]_D + 24.7 (c, 0.65 in
cyclohexane).Haylock, C.R. *et al*, *Carbohydr. Res.*, 1971, **16**,
375 (*diisopropylidene*, *pmr*)**5-Chloro-5-deoxyidose****C-1-00048**C₆H₁₁ClO₅ M 198.6***β*-L-Furanose-form**

1,2-O-Isopropylidene: [69465-26-5].

C₉H₁₅ClO₅ M 238.6 Cryst.
(Et₂O/petrol). Mp 106-107°. [α]_D - 31 (c,
0.5 in MeOH).

1,2-O-Isopropylidene, 6-benzoyl, 3-Ac:

[118176-22-0].
C₁₈H₂₁ClO₇ M 384.8 Cryst. (Et₂O).
Mp 143-144°. [α]_D - 12 (c, 0.5 in CH₂Cl₂).1,2-O-Isopropylidene, 3,6-dibenzoyl: [118176-
23-1].C₂₃H₂₃ClO₇ M 446.8 Cryst.
(Et₂O/petrol). Mp 103-104°. [α]_D - 43 (c,
0.3 in CH₂Cl₂).

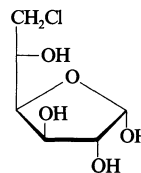
1,2-O-Isopropylidene, 6-(methoxymethyl):

[130619-46-4].
C₁₁H₁₉ClO₆ M 282.7 Syrup. [α]_D²⁰
+ 1.6 (c, 3.1 in CHCl₃).

1,2:3,6-Di-O-isopropylidene: [82893-17-2].

C₁₂H₁₉ClO₅ M 278.7 Syrup. [α]_D²²
+ 48.8 (c, 2.5 in CHCl₃).Klemer, A. *et al*, *Carbohydr. Res.*, 1979, **68**, 391
(*isopropylidene*)Kunz, H. *et al*, *Annalen*, 1982, 1245

(diisopropylidene)

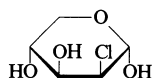
Lee, C.K., *Carbohydr. Res.*, 1988, **177**, 247(isopropylidene, *pmr*)Dax, R. *et al*, *J. Carbohydr. Chem.*, 1990, **2**, 479
(methoxymethyl)**6-Chloro-6-deoxyidose****C-1-00049**C₆H₁₁ClO₅ M 198.6***β*-L-Furanose-form**

1,2-O-Isopropylidene: [118176-24-2].

C₉H₁₅ClO₅ M 238.6 Cryst.
(Et₂O/petrol). Mp 106-107°. [α]_D - 31 (c,
0.5 in MeOH).

1,2-O-Isopropylidene, 5-benzoyl, 3-tosyl:
[28642-60-6].
C₂₃H₂₅ClO₈S M 496.9 Syrup. [α]_D²⁵
+9 (c, 1.1 in CHCl₃).

Chalk, R.C. *et al*, *Carbohydr. Res.*, 1971, **20**,
151 (*isopropylidene, pmr, cmr*)
Lee, C.K., *Carbohydr. Res.*, 1988, **177**, 247
(*isopropylidene deriv*)

2-Chloro-2-deoxylyxose C-1-00050

α-D-Pyranose-form

C₅H₉ClO₄ M 168.5

α-D-Pyranose-form [29217-61-6]

Cryst. (Me₂CO/Et₂O). Mp 157-159°. [α]_D
-0.5 → -15.5 (equilib.) (c, 1.03 in
MeOH).

Me glycoside, di-Ac: [51385-06-9].

C₁₀H₁₅ClO₆ M 266.6 Syrup. [α]_D²⁵ + 8
(c, 1.71 in CHCl₃).

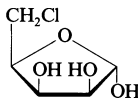
β-D-Pyranose-form

Me glycoside: [29217-60-5].

C₆H₁₁ClO₄ M 182.6 Syrup. [α]_D²¹ - 96
(c, 1.3 in CHCl₃).

Jennings, H.J. *et al*, *Can. J. Chem.*, 1970, **48**,
1834 (*synth, β-Me pyr*)

Van Es, T., *J. S. Afr. Chem. Inst.*, 1973, **26**, 152
(*α-Me pyr deriv, pmr*)

5-Chloro-5-deoxylyxose C-1-00051

C₅H₉ClO₄ M 168.5

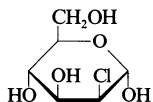
α-D-Furanose-form

Me glycoside:

C₆H₁₁ClO₄ M 182.6 Known as a
cyclic phosphonate deriv.

[90213-32-4]

Koroteev, M.P. *et al*, *Zh. Obshch. Khim.*, 1984,
54, 279; *J. Gen. Chem. USSR (Engl. Transl.)*,
1984, **54**, 245 (*Me gly deriv, pmr*)

2-Chloro-2-deoxymannose C-1-00052

α-D-Pyranose-form

C₆H₁₁ClO₅ M 198.6

α-D-Pyranose-form

3,4,6-Tri-Ac: [50603-56-0].

C₁₂H₁₇ClO₈ M 324.7 Amorph. [α]_D²⁰
+ 19 (c, 2.5 in CHCl₃).

Tetra-Ac: [50603-57-1].

C₁₄H₁₉ClO₉ M 366.7 Cryst.
(Et₂O/petrol). Mp 97°. [α]_D²⁰ + 6.8 (c, 0.9
in CHCl₃).

1-Benzoyl, tri-Ac: [23259-30-5].

C₁₉H₂₁ClO₉ M 428.8 Cryst. (EtOH).
Mp 169-170°. [α]_D²⁸ + 79.3 (c, 0.52 in
CHCl₃).

Me glycoside: [20512-21-4]. *Methyl 2-chloro-*
2-deoxy-α-D-mannopyranoside

C₇H₁₃ClO₅ M 212.6 Syrup. [α]_D²⁴
+ 81.1 (c, 0.95 in MeOH).

Me glycoside, tri-Ac: [22931-82-4].

C₁₃H₁₉ClO₈ M 338.7 Syrup. [α]_D²⁴
+ 45.1 (c, 1.02 in CHCl₃), [α]_D²³ + 37.4
(CHCl₃).

Me glycoside, 4,6-O-benzylidene (R-):

[131564-58-4].

C₁₄H₁₇ClO₅ M 300.7 Cryst.
(Et₂O/petrol). Mp 89°. [α]_D + 39 (c, 1.0 in
CH₂Cl₂).

Me glycoside, 4,6-O-benzylidene (R-), 3-

benzoyl: [131564-59-5].

C₂₁H₂₁ClO₆ M 404.8 Syrup. [α]_D
+ 99.5 (c, 1.0 in CHCl₃).

β-D-Pyranose-form

Me glycoside: [20513-88-6]. *Methyl 2-chloro-*
2-deoxy-β-D-mannopyranoside

C₇H₁₃ClO₅ M 212.6 Plates (EtOAc).
Mp 134-134.5°. [α]_D²⁴ - 78.6 (c, 1.05 in
MeOH).

Me glycoside, tri-Ac: [20512-22-5].

Cryst. Mp 120.5-121°. [α]_D^{22.5} - 86.9
(CHCl₃).

Igarashi, K. *et al*, *Tet. Lett.*, 1968, 755 (*α-Me*
gly, β-Me gly)

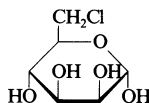
Hall, L.D. *et al*, *Can. J. Chem.*, 1969, **47**, 379

(*1-benzoyl*)

Igarashi, K. *et al*, *J.O.C.*, 1970, **35**, 610 (*α-Me*
gly, β-Me gly)

Boullanger, P. *et al*, *Bull. Soc. Chim. Fr.*, 1973,
2149 (*Ac derivs, pmr*)

Khan, R. *et al*, *Carbohydr. Res.*, 1990, **205**, 211
(*benzylidene deriv, pmr, cmr*)

6-Chloro-6-deoxymannose C-1-00053

α-D-Pyranose-form

C₆H₁₁ClO₅ M 198.6

D-form [4990-81-2]

Syrup.

α-D-Pyranose-form

Me glycoside: [4990-80-1].

C₇H₁₃ClO₅ M 212.6 Cryst.
(propanol). Mp 75°. [α]_D³⁰ + 60 (c, 1.0 in
H₂O).

Me glycoside, 4-benzoyl, 2,3-di-Ac: [52290-42-
3].

C₁₈H₂₁ClO₈ M 400.8 Cryst. Mp 120-
121°. [α]_D²⁵ + 21 (c, 1.09 in CHCl₃).

Me glycoside, tribenzoyl:

C₂₈H₂₅ClO₈ M 524.9 Cryst. (MeOH).
Mp 181-182°. [α]_D - 115 (c, 0.4 in CHCl₃).

Me glycoside, 2,3-O-isopropylidene, 4-brosyl:
[22932-32-7].

Cryst. (EtOH). Mp 121-122°. [α]_D²⁴ - 8.6
(c, 1.38 in MeOH).

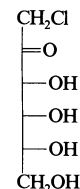
Evans, M.E. *et al*, *J.O.C.*, 1968, **33**, 1074 (*α-Me*
pyr)

Stevens, C.L. *et al*, *J.O.C.*, 1970, **35**, 592

(*brosyl, ms*)

Castro, B. *et al*, *Bull. Soc. Chim. Fr.*, 1973, 3034
(*α-Me pyr*)

Mathlouthi, M. *et al*, *Carbohydr. Res.*, 1986,
152, 47 (*D-form*)

1-Chloro-1-deoxypsicosose C-1-00054

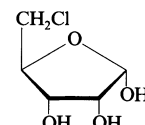
C₆H₁₁ClO₅ M 198.6

D-form

Tetra-Ac:

C₁₄H₁₉ClO₉ M 366.7 Cryst. Mp 89-
91°. [α]_D - 26 (CHCl₃).

Wolfrom, D. *et al*, *J.A.C.S.*, 1945, **67**, 1793
(*tetra-Ac*)

5-Chloro-5-deoxyribose C-1-00055

α-D-Furanose-form

C₅H₉ClO₄ M 168.5

α-D-Furanose-form

Me glycoside: Methyl 5-chloro-5-deoxy-α-D-
ribofuranoside

C₆H₁₁ClO₄ M 182.6 Liq. Bp_{0.3} 99-
112°. [α]_D - 19 (c, 1.0 in CHCl₃).

Me glycoside, 2,3-bis(chlorosulfate): [55053-
19-5].

Cryst. Mp 115-116°. [α]_D + 88 (c, 1.0 in
CHCl₃).

β-D-Furanose-form

Me glycoside: Methyl 5-chloro-5-deoxy-β-D-
ribofuranoside

C₆H₁₁ClO₄ M 182.6 Cryst. Mp 69.5-
70.5°. [α]_D - 65 (c, 1.0 in CHCl₃).

Me glycoside, 2,3-bis(chlorosulfate): [55053-
21-9].

Cryst. Mp 78.5-79.5°. [α]_D + 36 (c, 1.0 in
CHCl₃).

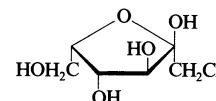
Me glycoside, 2,3-O-isopropylidene: [38838-
07-2].

C₉H₁₅ClO₄ M 222.6 Liq. [α]_D²⁵ - 93
(c, 2.04 in CHCl₃).

Hanessian, S. *et al*, *Carbohydr. Res.*, 1972, **24**,
45 (*β-Me gly deriv*)

Rabello, J.J. *et al*, *Carbohydr. Res.*, 1973, **30**,
381 (*β-Me gly deriv*)

Achmatowicz, B. *et al*, *Carbohydr. Res.*, 1974,
36, C14 (*α-Me gly, β-Me gly*)

1-Chloro-1-deoxysorbose C-1-00056

α-L-Furanose-form

C₆H₁₁ClO₅ M 198.6

L-form [32785-89-0]

Syrup. Mp 95.5-97°. [α]_D - 34.5 (c, 1.2 in
H₂O).

α-L-Furanose-form

2,3-O-Isopropylidene: [32785-88-9].

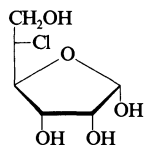
C₉H₁₅ClO₅ M 238.6 Cryst.
(EtOAc/petrol). Mp 71-72°. [α]_D + 1.9 (c,
1.56 in H₂O).

2,3:4,6-Di-O-Isopropylidene: [32785-87-8].

$C_{12}H_{19}ClO_5$ M 278.7 Cryst. (petrol).
Mp 56-58°. Bp_{0.05} 83-86°. $[\alpha]_D -22.3$ (c, 0.71 in $CHCl_3$).

Haylock, C.R. *et al*, *Carbohydr. Res.*, 1971, **16**, 375 (*synth*, L-form, α -L-fur derivs, pmr)
Beaupere, D. *et al*, *J. Carbohydr. Chem.*, 1989, **8**, 159 (*synth*, L-form)

5-Chloro-5-deoxytalose C-1-00057



β -L-Furanose-form

$C_6H_{11}ClO_5$ M 198.6

D-form [124729-12-0]
Syrup.

β -L-Furanose-form

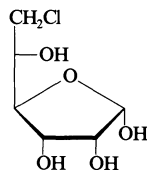
1,2-O-Isopropylidene, 3-benzoyl, 6-Ac:
[131289-38-8].

$C_{18}H_{21}ClO_7$ M 384.8 Syrup. $[\alpha]_D +66$
(c, 0.8 in Me_2CO).

Pat. Coop. Treaty (WIPO), 89 07 602, (1989);
CA, **112**, 99132k (*D*-form)

Lee, C.K., *Carbohydr. Res.*, 1990, **205**, 203 (β -L-fur deriv)

6-Chloro-6-deoxytalose C-1-00058



$C_6H_{11}ClO_5$ M 198.6

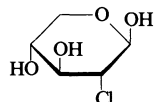
β -L-Furanose-form

1,2-O-Isopropylidene: [131289-41-3].

$C_9H_{15}ClO_5$ M 238.6 Cryst. Mp 146-148°. $[\alpha]_D +74$ (c, 0.15 in EtOH).

Lee, C.K., *Carbohydr. Res.*, 1990, **205**, 203
(isopropylidene, pmr)

2-Chloro-2-deoxyxylose C-1-00059



β -D-Pyranose-form

$C_5H_9ClO_4$ M 168.5

***D*-Pyranose-form [29217-64-9]**

Syrup. $[\alpha]_D +103.5 \rightarrow +163$ (equilib.) (c, 1.0 in MeOH).

3,4-Di-Ac:

$C_9H_{13}ClO_6$ M 252.6 Mp 126°. $[\alpha]_D +49.9$ ($CHCl_3$).

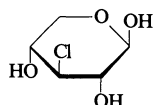
β -D-Pyranose-form

Me glycoside: [29217-63-8].

$C_6H_{11}ClO_4$ M 182.6 Cryst.
($CHCl_3$ /petrol). Mp 136-137°. $[\alpha]_D^{21} -21$
(c, 1.5 in MeOH).

Gakhokidze, A.M., *J. Gen. Chem. USSR (Engl. Transl.)*, 1945, **15**, 530; *CA*, **40**, 4673 (*di-Ac*)
Jennings, H.J., *Can. J. Chem.*, 1970, **48**, 1834
(β -Me gly)

3-Chloro-3-deoxyxylose C-1-00060



β -D-Pyranose-form

$C_5H_9ClO_4$ M 168.5

β -D-Pyranose-form

Me glycoside: [18417-47-5].

$C_6H_{11}ClO_4$ M 182.6 Syrup. Bp_{0.008} 135-140°. $[\alpha]_D -24.3$ ($CHCl_3$).

Me glycoside, di-Ac: [18417-48-6].

$C_{10}H_{15}ClO_6$ M 266.6 Cryst. (EtOH aq.). Mp 116-117°. $[\alpha]_D -50$ (c, 1.2 in $CHCl_3$).

α -D-Furanose-form

Me glycoside, 5-trityl: [40147-76-0].

$C_{25}H_{25}ClO_4$ M 424.9 Oil.

Me glycoside, 5-trityl, 2-(4-nitrobenzoyl):
[40147-77-1].

Cryst. Mp 169-171°. $[\alpha]_D^{25} +90$ (c, 1.0 in $CHCl_3$).

β -D-Furanose-form

Me glycoside, 5-trityl: [40147-71-5].

Glass.

Me glycoside, 5-trityl, 2-benzoyl: [40147-72-6].

$C_{32}H_{29}ClO_5$ M 529.0 Cryst.

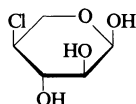
(C_6H_6 /Et₂O/petrol). Mp 163-165°. $[\alpha]_D -10$ (c, 1.0 in $CHCl_3$).

Allerton, R. *et al*, *J.C.S.*, 1951, 1480 (*Me pyr*)

Ali, S.S. *et al*, *Carbohydr. Res.*, 1967, **5**, 118
(*Me pyr*)

Jenkins, S.R. *et al*, *Carbohydr. Res.*, 1973, **26**,
71 (*Me fur*, pmr)

4-Chloro-4-deoxyxylose C-1-00061



α -L-Pyranose-form

$C_5H_9ClO_4$ M 168.5

α -L-Pyranose-form

Me glycoside, 2-mesyl: [18417-51-1].

$C_7H_{13}ClO_6S$ M 260.6 Cryst. (MeOH).
Mp 119-120°. $[\alpha]_D -74$ (c, 3.25 in $CHCl_3$).

Me glycoside, 2-mesyl, 3-chlorosulfate:

[18417-50-0].

$C_7H_{12}Cl_2O_8S_2$ M 359.2 Cryst.
(MeOH). Mp 99-100°. $[\alpha]_D^{20} -38$ (c, 5.4 in $CHCl_3$).

Me glycoside, 2,3-anhydro:

$C_6H_9ClO_3$ M 164.5 Syrup. Bp₁₅ 40°. $[\alpha]_D -84$ (c, 4.2 in $CHCl_3$).

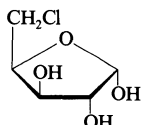
β -L-Pyranose-form

Mp 128-131°. $[\alpha]_D +57 \rightarrow 0$ (MeOH).

Jones, J.K.N. *et al*, *Can. J. Chem.*, 1959, **37**,
1412; 1960, **38**, 1122 (β -L-pyr)

Ali, S.S. *et al*, *Carbohydr. Res.*, 1967, **5**, 118 (α -L-pyr derivs, ir)

5-Chloro-5-deoxyxylose C-1-00062



α -D-Furanose-form

$C_5H_9ClO_4$ M 168.5

α -D-Furanose-form

1,2-O-Isopropylidene: [105953-29-5].

$C_9H_{13}ClO_4$ M 208.6 Cryst.
(diisopropyl ether/petrol). Mp 93-94° (91-92°).

1,2-O-Isopropylidene, 3-Ac: [61207-43-0].

$C_{10}H_{15}ClO_5$ M 250.6 Syrup.

1,2-O-Isopropylidene, 3-mesyl: [105953-28-4].

$C_9H_{15}ClO_6S$ M 286.7 Cryst.

(diisopropyl ether). Mp 68-69°. $[\alpha]_D -77$
(c, 1.0 in $CHCl_3$).

1,2-O-Isopropylidene, 3-chlorosulfate:

$C_8H_{12}Cl_2O_6S$ M 307.1 Cryst. Mp
96.5-97.5° (Et₂O/petrol). $[\alpha]_D -76$ (c, 1.76
in $CHCl_3$).

Me glycoside: Methyl 5-chloro-5-deoxy- α -D-xylofuranoside

$C_6H_{11}ClO_4$ M 182.6 Cryst. Mp 73.5-74°. $[\alpha]_D +24$ (c, 1.0 in MeOH).

Me glycoside, di-Ac: [56570-74-2].

$C_{10}H_{15}ClO_6$ M 266.6 Oil.

Me glycoside, dichlorosulfate:

$C_8H_9Cl_3O_6S_2$ M 379.6 Cryst. Mp
73.5-74.5°. $[\alpha]_D -15$ (c, 1.0 in $CHCl_3$).

β -D-Furanose-form

1,2-Di-Ac, 3-chlorosulfate:

$C_9H_{13}Cl_2O_6S$ M 351.1 Cryst.

(Et₂O/petrol). Mp 81.5-82°. $[\alpha]_D -105$ (c, 1.2 in $CHCl_3$).

Me glycoside: Methyl 5-chloro-5-deoxy- β -D-xylofuranoside

$C_6H_{11}ClO_4$ M 182.6 Syrup. $[\alpha]_D$

-102 (c, 1.0 in MeOH).

Me glycoside, di-Ac: [56570-75-3].

$C_{10}H_{15}ClO_6$ M 266.6 Oil.

Achmatowicz, B. *et al*, *Carbohydr. Res.*, 1974,

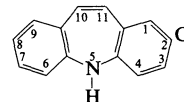
36, C14 (α -Me fur, β -Me fur, dichlorosulfate)
Hollenberg, D.H. *et al*, *Carbohydr. Res.*, 1975,
42, 241 (*di-Ac*, pmr)

Hughes, N.A. *et al*, *J.C.S. Perkin 1*, 1986, 695
(isopropylidene)

Naidoo, N.T. *et al*, *S. Afr. J. Chem.*, 1986, **39**,
208; 1987, **40**, 100 (3-chlorosulfate, ir, pmr,
ms)

2-Chloro-5H-dibenz[b,f]azepine C-1-00063

[22684-29-3]



$C_{14}H_{10}ClN$ M 227.6

Yellow plates (EtOH). Mp 168-170°.

Varma, R.S. *et al*, *J. Med. Chem.*, 1969, **12**, 913
(*synth*)

Molock, F.F. *et al*, *J. Het. Chem.*, 1983, **20**, 109
(*cmr*)

Tokmakov, G.P. *et al*, *Tetrahedron*, 1995, **51**,
2091 (*synth*, uv, pmr)

3-Chloro-5H-dibenz[b,f]azepine C-1-00064

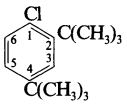
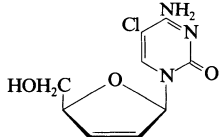
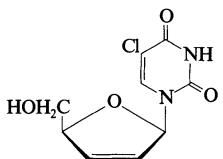
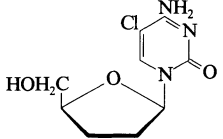
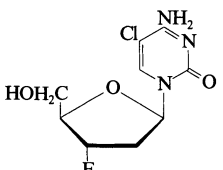
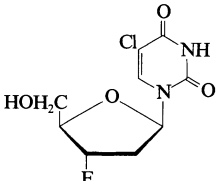
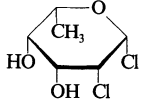

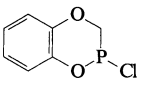
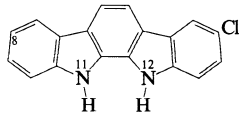
[39607-90-4]

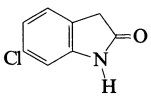
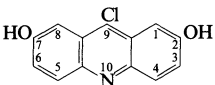

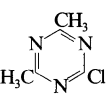
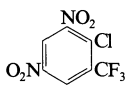
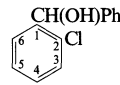

$C_{14}H_{10}ClN$ M 227.6

Orange-yellow plates (C_6H_6). Mp 213-214°
(208-209°).

Craig, P.N. *et al*, *J.O.C.*, 1961, **26**, 135 (*synth*,
uv, ir)

Kohegyi, I. *et al*, *J. Chem. Res., Synop.*, 1994,
270 (*synth*, pmr, ms)

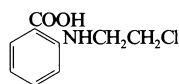
- 10-Chloro-5*H*-dibenz[*b,f*]azepine** C-1-00065
[59691-00-8]
C₁₄H₁₀ClN M 227.6
Ger. Pat., 2 542 335, (1976); *CA*, **85**, 32888s
(*synth*)
- 1-Chloro-2,4-di-*tert*-butylbenzene** C-1-00066
1-Chloro-2,4-bis(1,1-dimethylethyl)benzene
[80438-65-9]

C₁₄H₂₁Cl M 224.7
Oil. Bp_{0.5} 80°.
de Konig, A.J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1981, **100**, 421; 1982, **101**, 385
(*synth*, *pmr*)
Dehmlo, E.V. *et al*, *Tetrahedron*, 1995, **51**, 3755 (*synth*)
- 1-Chloro-3,5-di-*tert*-butylbenzene** C-1-00067
1-Chloro-3,5-bis(1,1-dimethylethyl)benzene
[80438-67-1]
C₁₄H₂₁Cl M 224.7
Cryst. Mp 54-55°.
de Konig, A.J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1981, **100**, 421; 1982, **101**, 385
(*synth*, *pmr*)
- 2-Chloro-1,3-di-*tert*-butylbenzene** C-1-00068
2-Chloro-1,3-bis(1,1-dimethylethyl)benzene
[84363-20-2]
C₁₄H₂₁Cl M 224.7
Oil.
de Konig, A.J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1981, **100**, 421; 1982, **101**, 385
(*synth*, *pmr*)
- 5-Chloro-2',3'-didehydro-2',3'-dideoxycytidine, 9CI** C-1-00069
[124743-30-2]

C₉H₁₀ClN₃O₃ M 243.6
Cryst. (MeOH/Et₂O). Mp 144-145°.
Van Aerschot, A. *et al*, *J. Med. Chem.*, 1990, **33**, 1833 (*synth*, *uv*, *pmr*, *cmr*, *ms*)
- 5-Chloro-2',3'-dideoxy-2',3'-dideoxycytidine, 9CI** C-1-00070
[120815-05-6]

C₉H₉ClN₃O₄ M 244.6
Cryst. (MeOH/Et₂O). Mp 140-142° dec.
Van Aerschot, A. *et al*, *J. Med. Chem.*, 1990, **33**, 1833 (*synth*, *uv*, *ms*, *pmr*, *cmr*)
- 5-Chloro-2',3'-dideoxycytidine, 9CI** C-1-00071
[124743-31-3]

C₉H₁₂ClN₃O₃ M 245.6
Cryst. Mp 172°.
Van Aerschot, A. *et al*, *J. Med. Chem.*, 1990, **33**, 1833 (*synth*, *uv*, *pmr*, *ms*, *cmr*)
- 5-Chloro-2',3'-dideoxy-3'-fluorocytidine, 9CI** C-1-00072
[127492-32-4]

C₉H₁₁ClFN₃O₃ M 263.6
Cryst. (MeOH/Me₂CO). Mp 184-185°.
Van Aerschot, A. *et al*, *J. Med. Chem.*, 1990, **33**, 1833 (*synth*, *uv*, *pmr*, *cmr*, *ms*)
- 5-Chloro-2',3'-dideoxy-3'-fluorouridine, 9CI** C-1-00073
[119644-22-3]

C₉H₁₀ClFN₂O₄ M 264.6
Selective inhibitor of HIV-1 and HIV-2 replication. Cryst. (Me₂CO/hexane). Mp 181° dec. (*exp.*)
Van Aerschot, A. *et al*, *J. Med. Chem.*, 1989, **32**, 1743; 1990, **33**, 1833 (*synth*, *uv*, *ms*, *pmr*, *cmr*, *cryst struct*)
- 2-Chloro-2,6-dideoxytalopyranosyl chloride** C-1-00074

C₆H₁₀Cl₂O₃ M 201.0
β-L-form
Di-Ac: [103321-23-9].
C₁₀H₁₄Cl₂O₅ M 285.1 Syrup. [α]_D²³ +4
(c, 0.4 in CH₂Cl₂).
Horton, D. *et al*, *J.O.C.*, 1986, **51**, 3479 (*di-Ac*, *ir*, *ms*, *pmr*, *cmr*)
- 2-Chloro-3,4-difluorobenzoic acid** C-1-00075

C₇H₃ClF₂O₂ M 192.5
Cryst. solid (heptane/Et₂O). Mp 159-160°.
Bennetau, B. *et al*, *J.C.S. Perkin 1*, 1995, 1265
(*synth*, *pmr*, *cmr*)
- 3-Chloro-2,4-difluorobenzoic acid** C-1-00076
C₇H₃ClF₂O₂ M 192.5
Cryst. solid (heptane/Et₂O). Mp 169-171°.
Bennetau, B. *et al*, *J.C.S. Perkin 1*, 1995, 1265
(*synth*, *pmr*)
- 2-Chloro-2,3-dihydro-1,4,2-benzodioxaphosphorin, 9CI** C-1-00077
[124167-64-2]

C₇H₆ClO₂P M 188.5
Liq. d₄²⁰ 1.39. Bp₄ 105-106°. n_D²⁰ 1.5990.
2-Oxide: [110606-92-3].
C₇H₆ClO₃P M 204.5 Liq. d₄²⁰ 1.48.
Bp_{1.5} 123-124°. n_D²⁰ 1.5568.
2-Sulfide: [124167-63-1].
C₇H₆ClO₂PS M 220.6 Liq. d₄²⁰ 1.61.
Bp₁ 102-103°. n_D²⁰ 1.4316.
Tsvetkov, E.N. *et al*, *Zh. Obshch. Khim.*, 1986, **56**, 2542; *J. Gen. Chem. USSR (Engl. Transl.)*, 1986, **56**, 2249 (*oxide*)
Degtyarev, A.N. *et al*, *Zh. Obshch. Khim.*, 1988, **58**, 2226; *J. Gen. Chem. USSR (Engl. Transl.)*, 1988, **58**, 1982 (*synth*, *pmr*, *P-31 nmr*)
- 3-Chloro-11,12-dihydroindolo[2,3-*a*]carbazole, 9CI** C-1-00078
Tjipanazole 1
[139083-26-4]


- $C_{18}H_{11}ClN_2$ M 290.7
Minor alkaloid from the blue-green alga *Tolypothrix tjipanasensis*.
Tolypothrix tjipanasensis.
 N^{11} -(6-Deoxy- β -D-gulopyranosyl): **Tjipanazole C1**
 $C_{24}H_{21}ClN_2O_4$ M 436.8 Minor alkaloid from blue-green alga *Tolypothrix tjipanasensis*. $[\alpha]_D +18.1$ (c, 1.1 in $CHCl_3$). Opt. rotn. refers to a mixt. with other Tjipanazole C components.
- N^{11} - α -L-Rhamnopyranosyl: **Tjipanazole C3**
 $C_{24}H_{21}ClN_2O_4$ M 436.8 Minor constit. of *T. tjipanasensis*.
- N^{11} - β -D-Xylopyranosyl: **Tjipanazole F1**
 $C_{23}H_{19}ClN_2O_4$ M 422.8 Minor alkaloid from *T. tjipanasensis*. $[\alpha]_D +14.9$ (c, 1.0 in $CHCl_3/MeOH$ 1:1). Opt. rotn. refers to a mixt. with F2.
- N^{12} - β -D-Xylopyranosyl: **Tjipanazole F2**
 $C_{23}H_{19}ClN_2O_4$ M 422.8 Minor alkaloid from *T. tjipanasensis*.
- N^{12} -(6-Deoxy- β -D-gulopyranosyl): **Tjipanazole C2**
 $C_{24}H_{21}ClN_2O_4$ M 436.8 Minor constit. of *T. tjipanasensis*.
- N^{12} - α -L-Rhamnopyranosyl: **Tjipanazole C4**
 $C_{24}H_{21}ClN_2O_4$ M 436.8 Minor constit. of *T. tjipanasensis*.
- Bonjouklian, R. *et al*, *Tetrahedron*, 1991, **47**, 7739 (*isol, uv, pmr, struct*)
- 6-Chloro-1,3-dihydro-2H-indol-2-one, 9CI** C-1-00079
6-Chlorooxindole. 6-Chloro-2-indolinone
[56341-37-8]
- 
- C_8H_6ClNO M 167.5
Cryst. Mp 196-198° (189-192°).
- Quallich, G.J. *et al*, *Synthesis*, 1993, 51 (*synth, pmr*)
- 9-Chloro-2,7-dihydroxyacridine** C-1-00080
9-Chloro-2,7-acridinediol, 9CI
[156644-26-7]
- 
- $C_{13}H_8ClNO_2$ M 245.6
Solid. Mp >300°.
- Vichet, A. *et al*, *J.O.C.*, 1994, **59**, 5156 (*synth, pmr*)
- 4-Chloro-3,5-dihydroxybenzaldehyde** C-1-00081
 $C_7H_5ClO_3$ M 172.5
Di-Me ether: [56518-48-0]. *4-Chloro-3,5-dimethoxybenzaldehyde*
 $C_9H_9ClO_3$ M 200.6 *Isol.* from the mycelium of *Hericium erinaceum*. Exhibits antibacterial activity. Cryst. Mp 165-167° (118-120°).
- Kompis, I. *et al*, *Helv. Chim. Acta*, 1977, **60**, 3025 (*synth*)
Okamoto, K. *et al*, *Phytochemistry*, 1993, **34**, 1445 (*isol*)
- 1-Chloro-2,4-diiodobenzene** C-1-00082
[31928-48-0]
- 
- $C_6H_3ClI_2$ M 364.3
Bp₂ 129°.
- Bunnett, J.F. *et al*, *J.A.C.S.*, 1971, **93**, 1183 (*synth*)
- 1-Chloro-3,5-diiodobenzene** C-1-00083
 $C_6H_3ClI_2$ M 364.3
Needles (EtOH). Mp 101°.
- Dains, F.B. *et al*, *J.A.C.S.*, 1930, **52**, 1572 (*synth*)
- 2-Chloro-1,3-diiodobenzene** C-1-00084
 $C_6H_3ClI_2$ M 364.3
Cryst. (EtOH). Mp 82°.
- Körner, G. *et al*, *Atti Accad. Naz. Lincei, Cl. Sci. Fis., Mat. Nat., Rend.*, 1913, **22**, 832 (*synth*)
- 2-Chloro-1,4-diiodobenzene** C-1-00085
[79887-23-3]
 $C_6H_3ClI_2$ M 364.3
Cryst. (EtOH). Mp 51°.
- Körner, G. *et al*, *Atti Accad. Naz. Lincei, Cl. Sci. Fis., Mat. Nat., Rend.*, 1913, **22**, 832 (*synth*)
Adomenas, P. *et al*, *CA*, 1981, **95**, 219871e.
- 4-Chloro-1,2-diiodobenzene, 9CI** C-1-00086
[1608-45-3]
 $C_6H_3ClI_2$ M 364.3
Slightly yellow cryst. (hexanes). Mp 34-35°, Mp 39-40.5°.
- Bunnett, J.F. *et al*, *J.A.C.S.*, 1930, **52**, 1572 (*synth*)
Perry, R.J. *et al*, *J.O.C.*, 1991, **56**, 6573 (*synth, pmr, ir*)
- 2-Chloro-4,6-dimethyl-1,3,5-triazine, 9CI** C-1-00087
[30894-84-9]
- 
- $C_5H_6ClN_3$ M 143.5
Cryst. (petrol). Mp 64°.
- Schroeder, H. *et al*, *J.A.C.S.*, 1956, **78**, 2447 (*synth*)
- 2-Chloro-1,5-dinitro-3-(trifluoromethyl)benzene, 9CI** C-1-00088
2-Chloro- α,α,α -trifluoro-3,5-nitrotoluene, 8CI. 2-Chloro-3,5-dinitrobenzotrifluoride
[392-95-0]
- 
- $C_7H_2ClF_3N_2O_4$ M 270.5
Cryst. (EtOH). Mp 62-64° (58°).
[82668-92-6]
- U.S. Pat., 2 257 093, (1940); *CA*, **36**, 664a (*synth*)
Yagupolskii, L.M. *et al*, *CA*, 1955, **49**, 8866i (*synth*)
- 2-Chlorodiphenylmethanol** C-1-00089
2-Chloro- α -phenylbenzenemethanol, 9CI. 2-Chlorobenzhydrol, 8CI
[6954-45-6]
- 
- $C_{13}H_{11}ClO$ M 218.6
(+)-*form*
 $[\alpha]_D +21.3$ (c, 0.5 in Me_2CO) (ee 100%).
(-)-*form*
Mp 65-66°. $[\alpha]_D^{20} -19.9$ (c, 0.52 in Me_2CO) (ee >95%).
(\pm)-*form* [134236-27-4]
Needles (petrol). Mp 65°.
[16071-25-3, 16071-26-4]
- Koopal, S.A., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1915, **34**, 8, 158 (*synth*)
Balfé, M.P. *et al*, *J.C.S.*, 1946, 797 (*resoln*)
Bachmann, W.E. *et al*, *J.O.C.*, 1948, **13**, 916 (*synth*)
Wang, J.-T. *et al*, *Synthesis*, 1989, 291 (*synth, ir, pmr*)
Brown, E. *et al*, *Tetrahedron: Asymmetry*, 1991, **2**, 339 (*synth*)
- 3-Chlorodiphenylmethanol** C-1-00090
3-Chloro- α -phenylbenzenemethanol, 9CI. 3-Chlorobenzhydrol, 8CI
[63012-03-3]
 $C_{13}H_{11}ClO$ M 218.6
(+)-*form* [123436-12-4]
Mp 40-41°. $[\alpha]_D^{20} +30.3$ (c, 1.12 in Me_2CO) (>95% ee).
(\pm)-*form* [134172-63-7]
Cryst. (petrol). Mp 40°.
- Koopal, S.A., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1915, **34**, 8, 158 (*synth*)
Bachmann, W.E. *et al*, *J.O.C.*, 1948, **13**, 916 (*synth*)
Wang, J.-T. *et al*, *Synthesis*, 1989, 291 (*synth, ir, pmr*)
- 1-Chloro-2,3-diphenyl-1H-phosphirene** C-1-00091
[123120-23-0]
- 

$C_{14}H_{10}ClP$ M 244.6
Cryst. Mp 91°. Bp_{0.002} 200° (oven).
Deschamps, B. *et al*, *Nouv. J. Chim.*, 1988, **12**,
755 (*formn*)
Schmurr, W. *et al*, *Tet. Lett.*, 1989, **30**, 3951
(*synth, cmr, P-31 nmr*)

2-[(2-Chloroethyl)amino] benzoic acid C-1-00092

N-(2-Chloroethyl)anthranilic acid



$C_9H_{10}ClNO_2$ M 199.6
Platelets (petrol). Mp 115-116°.

Me ester:

$C_{10}H_{12}ClNO_2$ M 213.6 Platelets
(pentane). Mp 35°.

Amide: [88267-60-1].

$C_9H_{11}ClN_2O$ M 198.6 Needles (2-
propanol/diisopropyl ether). Mp 126-127°.

Everett, J.L. *et al*, *J.C.S.*, 1953, 2386 (*synth, Me
ester*)

Yamada, Y. *et al*, *Chem. Pharm. Bull.*, 1983, **31**,
2234 (*amide*)

4-[(2-Chloroethyl)amino] benzoic acid C-1-00093

[2045-23-0]

$C_9H_{10}ClNO_2$ M 199.6
Cryst. Mp 175° dec.

Hydrochloride: Needles (Me₂CO). Mp 215°.

Et ester:

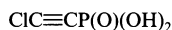
$C_{11}H_{14}ClNO_2$ M 227.6 Cryst. Mp
69°.

Bardos, T.J. *et al*, *J. Med. Chem.*, 1965, **8**, 167
(*synth*)

Lee, M. *et al*, *Synth. Commun.*, 1994, **24**, 3129
(*synth, pmr, cmr, ir*)

(Chloroethyl)phosphonic acid C-1-00094

Chloroacetylenephosphonic acid



$C_2H_2ClO_3P$ M 140.4

Di-Me ester: Dimethyl
chloroethylphosphonate

$C_4H_6ClO_3P$ M 168.5 Liq. Bp₂ 55°. n_D^{20}
1.4550.

Di-Et ester: Diethyl chloroethylphosphonate
 $C_6H_{10}ClO_3P$ M 196.5 Liq. d_4^{20} 1.15.
Bp_{2.5} 88.5-89.5°. n_D^{20} 1.4473.

Dipropyl ester: [72571-70-1]. Dipropyl
chloroethylphosphonate

$C_8H_{14}ClO_3P$ M 224.6 Liq. d_4^{20} 1.10.
Bp₁ 98-99°. n_D^{20} 1.4566.

Diisopropyl ester: [41459-62-5]. Bis(1-
methylethyl) chloroethylphosphonate
Sl. yellow liq. n_D^{20} 1.417.

Inonin, B.I. *et al*, *Zh. Obshch. Khim.*, 1965, **35**,
1917; *J. Gen. Chem. USSR (Engl. Transl.)*,
1965, **35**, 1910 (*synth*)

Seyferth, D. *et al*, *J.O.C.*, 1969, **34**, 1483 (*synth*,
ir, pmr)

Maier, L., *Phosphorus Relat. Group V Elem.*,
1973, **2**, 229 (*synth, pmr, P-31 nmr*)

Kruglov, S.V. *et al*, *Zh. Obshch. Khim.*, 1973,
43, 1480; *J. Gen. Chem. USSR (Engl.
Transl.)*, 1973, **43**, 1470 (*synth, pmr*)

Garabina, V.A. *et al*, *Zh. Obshch. Khim.*, 1979,
49, 1964; 1985, **55**, 1994; *J. Gen. Chem.
USSR (Engl. Transl.)*, 1979, **49**, 1728; 1985,
55, 1771 (*ir, cmr, ms, P-31 nmr, props*)

2'-Chloro-4'- fluoroacetophenone, 8CI C-1-00095

1-(2-Chloro-4-fluorophenyl)ethanone, 9CI. 1-
Acetyl-2-chloro-4-fluorobenzene

[700-35-6]



C_8H_6ClFO M 172.5
Bp₁₉ 110°. n_D^{24} 1.5310.

Oxime:

$C_8H_7ClFNNO$ M 187.6 Needles. Mp
131°.

2,4-Dinitrophenylhydrazone: Red needles
(AcOH). Mp 167°.

Semicarbazone: Prisms (EtOH). Mp 193°.

Diep, B.K. *et al*, *J.C.S.*, 1963, 2784 (*synth, ir*)

3'-Chloro-4'- fluoroacetophenone C-1-00096

1-(3-Chloro-4-fluorophenyl)ethanone. 4-Acetyl-
2-chloro-1-fluorobenzene

[2923-66-2]

C_8H_6ClFO M 172.5

Flat prisms (pentane). Mp 41-42°. Bp 226°,
Bp₁₅ 126-128°.

Oxime:

$C_8H_7ClFNNO$ M 187.6 Cryst. (EtOH).
Mp 97°.

Phenylhydrazone: Mp 116-119°.

2,4-Dinitrophenylhydrazone: Red prisms
(AcOH). Mp 238°.

Semicarbazone: Cryst. (EtOH). Mp 212-
213.5°.

Baltzly, R. *et al*, *J.O.C.*, 1961, **26**, 2353 (*synth*)

Diep, B.K. *et al*, *J.C.S.*, 1963, 2784 (*synth, ir*)

2-Chloro-3-fluorobenzoic acid C-1-00097

$C_7H_4ClFO_2$ M 174.5

Cryst. solid (heptane/Et₂O). Mp 169-171°.

Bennetau, B. *et al*, *J.C.S. Perkin 1*, 1995, 1265
(*synth, pmr, F-19 nmr, cmr*)

2-Chloro-3- furancarboxaldehyde C-1-00098

2-Chloro-3-furaldehyde, 8CI. 2-Chloro-3-
formylfuran

[31491-42-6]



$C_5H_3ClO_2$ M 130.5
Liq. Bp₂₀ 64°.

Roques, B. *et al*, *Bull. Soc. Chim. Fr.*, 1971, 242
(*synth, pmr*)

4-Chloro-2- furancarboxaldehyde, 9CI C-1-00099

4-Chlorofurfural. 4-Chloro-2-formylfuran
[57500-47-7]

$C_5H_3ClO_2$ M 130.5

Cryst. (petrol). Mp 27-29°.

Oxime: [57635-14-0].

$C_6H_4ClNO_2$ M 145.5 Cryst. (EtOH).
Mp 135°.

2,4-Dinitrophenylhydrazone: [57635-17-3].

Red cryst. (EtOH). Mp 229°.

Semicarbazone: [57635-15-1].
Mp 222°.

Belen'kii, L.I. *et al*, *Khim. Geterotsykl. Soedin.*,
1975, 1464; *Chem. Heterocycl. Compd. (Engl.
Transl.)*, 1975, 1249 (*synth, pmr*)

Nazarova, Z.N. *et al*, *Zh. Org. Khim.*, 1975, **11**,
1955; *J. Org. Chem. USSR (Engl. Transl.)*,
1975, **11**, 1974 (*synth, derivs, pmr, uv, ir*)

5-Chloro-2- furancarboxaldehyde, 9CI C-1-00100

5-Chlorofurfural. 2-Chloro-5-formylfuran

[21508-19-0]

$C_5H_3ClO_2$ M 130.5

Cryst. (hexane). Mp 35-36° (30.5-31°). Bp₇₅₅
180°.

Oxime:

$C_6H_4ClNO_2$ M 145.5 Cryst. (EtOH
aq.). Mp 84°.

Semicarbazone: [42899-89-8].

Cryst. (2-propanol). Mp 199-201°.

Gilman, H. *et al*, *Rec. Trav. Chim. (J. R. Neth.
Chem. Soc.)*, 1931, **50**, 833 (*synth, oxime*)

Chute, W.J. *et al*, *J.O.C.*, 1945, **10**, 541 (*synth*)

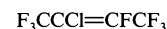
Nazarova, Z.N. *et al*, *Zh. Obshch. Khim.*, 1962,
32, 723; *J. Gen. Chem. USSR (Engl. Transl.)*,
1962, **32**, 721 (*synth, oxime*)

Snyder, H.R. *et al*, *J. Het. Chem.*, 1973, **10**, 385
(*synth, pmr, ir*)

D'Auria, M. *et al*, *Synthesis*, 1995, 248 (*synth*)

2-Chloro-1,1,1,3,4,4,4- heptafluoro-2-butene C-1-00101

[434-41-3]



C_4ClF_7 M 216.4

d 1.55. Bp 32°. n_D^{20} 1.2946.

[5953-44-6, 5954-49-4]

Henne, A.L. *et al*, *J.A.C.S.*, 1948, **70**, 130
(*synth*)

U.S. Pat., 2 436 357, (1948); *CA*, **42**, 5465e.

Saloutina, L.V. *et al*, *Izv. Akad. Nauk SSSR,
Ser. Khim.*, 1968, **6**, 1360; *Bull. Acad. Sci.
USSR, Div. Chem. Sci. (Engl. Transl.)*, 1988,
6, 1196 (*synth, F-19 nmr, ir*)

4-Chloro-1,1,2,3,3,4,4- heptafluoro-1-butene C-1-00102

[378-81-4]



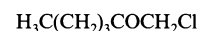
C_4ClF_7 M 216.4

Bp 29-35°. n_D^{20} 1.299.

U.S. Pat., 2 886 607, (1959); *CA*, **53**, 17903b.

1-Chloro-2-hexanone C-1-00103

[20261-68-1]



$C_6H_{11}ClO$ M 134.6

Liq. Bp₁₂ 68-70°. n_D^{24} 1.4360.

Bunnett, J.F. *et al*, *J.A.C.S.*, 1945, **67**, 1944
(*synth*)

Archer, D. *et al*, *J.A.C.S.*, 1956, **78**, 6182

(*synth*)

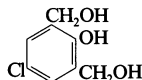
Cadman, M.L.F. *et al*, *J.C.S. Perkin I*, 1995, 1397 (*synth, ir, pmr*)

5-Chloro-2-hydroxy-1,3-benzenedimethanol, 9CI **C-1-00104**

5-Chloro-2-hydroxy-m-xylene- α,α' -diol, 8CI.
4-Chloro-2,6-bis(hydroxymethyl)phenol.

Ferriphene

[17026-49-2]



$C_8H_9ClO_3$ M 188.6

Reagent for detn. of iron. Cryst. (H₂O). Mp 164°.

Foster, H.M. *et al*, *J.O.C.*, 1961, **26**, 2539

(*synth*)

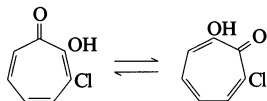
Rodia, J.S., *J.O.C.*, 1961, **26**, 2966 (*synth*)

Chen, Z. *et al*, *Huaxue Xuebao*, 1982, **40**, 135; *CA*, **97**, 16255a (*synth, use*)

3-Chloro-2-hydroxy-2,4,6-cycloheptatrien-1-one **C-1-00105**

2-Chloro-7-hydroxy-2,4,6-cycloheptatrien-1-one. 3-Chlorotropolone

[824-29-3]



$C_7H_5ClO_2$ M 156.5

Needles or prisms (EtOH). Mp 103-104° (100-102°), Mp 112-113°.

Nozoe, T. *et al*, *CA*, 1955, **49**, 8240f (*synth*)

Takase, K., *Bull. Chem. Soc. Jpn.*, 1964, **37**, 1288 (*synth, w*)

Tsujii, T. *et al*, *Acta Cryst. C*, 1991, **47**, 2428 (*cryst struct*)

4-Chloro-2-hydroxy-2,4,6-cycloheptatrien-1-one **C-1-00106**

6-Chloro-2-hydroxy-2,4,6-cycloheptatrien-1-one. 4-Chlorotropolone

[698-48-6]

$C_7H_5ClO_2$ M 156.5

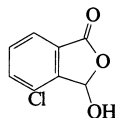
Needles (EtOH). Mp 79-80°.

Sato, T., *Nippon Kagaku Kaishi*, 1959, **80**, 1171;

CA, **55**, 4389d (*synth*)

Takase, K., *Bull. Chem. Soc. Jpn.*, 1964, **37**, 1298 (*synth*)

4-Chloro-3-hydroxy-3H-isobenzofuran-1-one **C-1-00107**



$C_8H_5ClO_3$ M 184.5

(\pm)-*form*

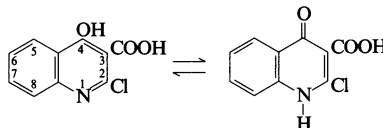
Cryst. solid (heptane/Et₂O). Mp 124-126°.

Bennetau, B. *et al*, *J.C.S. Perkin I*, 1995, 1265 (*synth, pmr, cmr*)

2-Chloro-4-hydroxy-3-quinolinecarboxylic acid **C-1-00108**

2-Chloro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid

[99429-63-7]



$C_{10}H_6ClNO_3$ M 223.6

CAS no. refers to the oxo-tautomer. Mp 196°.

Brown, R.F.C. *et al*, *Aust. J. Chem.*, 1954, **7**, 348.

6-Chloro-4-hydroxy-3-quinolinecarboxylic acid **C-1-00109**

6-Chloro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid

[35973-14-9]

$C_{10}H_6ClNO_3$ M 223.6

Cryst. (PhNO₂). Mp 277° (261° dec.).

Et ester: [70271-77-1].

$C_{12}H_{10}ClNO_3$ M 251.6 Cryst. (PhNO₂). Mp 293°.

[53977-19-8]

Riegel, B. *et al*, *J.A.C.S.*, 1946, **68**, 1264.

Duffin, G.F. *et al*, *J.C.S.*, 1948, 893.

Roberts, R., *J.O.C.*, 1951, **14**, 285.

7-Chloro-4-hydroxy-3-quinolinecarboxylic acid **C-1-00110**

7-Chloro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid

[57278-46-3]

$C_{10}H_6ClNO_3$ M 223.6

CAS no. refers to the oxo-tautomer. Needles (EtOH). Mp 274° dec.

Et ester: [16600-22-9].

$C_{12}H_{10}ClNO_3$ M 251.6 Cryst. (Py). Mp 297°.

[86-47-5]

Price, C.C. *et al*, *J.A.C.S.*, 1946, **68**, 1204.

Duffin, G.F. *et al*, *J.C.S.*, 1948, 893.

Roberts, R., *J.O.C.*, 1951, **14**, 285.

8-Chloro-4-hydroxy-3-quinolinecarboxylic acid **C-1-00111**

8-Chloro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid

[35966-16-6]

$C_{10}H_6ClNO_3$ M 223.6

Mp 258° dec.

[35975-71-4]

Roberts, R., *J.O.C.*, 1951, **14**, 285.

3-Chloroindolizine, 9CI **C-1-00112**

[63359-55-7]



C_8H_6ClN M 151.5

Liq. Unstable; turns black within 1h.

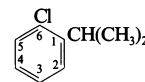
Berg-Nielsen, K., *Acta Chem. Scand., Ser. B*, 1977, **31**, 224 (*synth, uv, pmr, ms*)

Bonneau, R. *et al*, *Chem. Comm.*, 1994, 509 (*synth, pmr*)

1-Chloro-2-isopropylbenzene **C-1-00113**

1-Chloro-2-(1-methylethyl)benzene, 9CI. 2-Chlorocumene, 8CI

[2077-13-6]



$C_9H_{11}Cl$ M 154.6

Liq. Bp₇₄₆ 193°.

Kiersznicki, T. *et al*, *CA*, 1968, **68**, 12579n

(*synth*)

Smith, K. *et al*, *Synthesis*, 1985, 1155, 1157

(*synth*)

Adv. Chem. Ser., 1955, **15**, 148 (*props*)

1-Chloro-3-isopropylbenzene **C-1-00114**

1-Chloro-3-(1-methylethyl)benzene, 9CI. m-Chlorocumene, 8CI

[7073-93-0]

$C_9H_{11}Cl$ M 154.6

Liq. Bp₇₄₆ 193-194°.

Kiersznicki, T. *et al*, *CA*, 1968, **68**, 12579n

(*synth*)

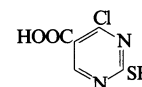
Reetz, M.T. *et al*, *Chem. Ber.*, 1987, **120**, 123

(*synth*)

Katayama, T. *et al*, *Chem. Lett.*, 1991, 2073

(*synth*)

4-Chloro-2-mercapto-5-pyrimidinecarboxylic acid, 9CI **C-1-00115**



$C_5H_3ClN_2O_2S$ M 190.6

Parent compd. unknown (1994). Two NH tautomers also possible.

S-Me, Me ester: [38275-39-7].

$C_7H_7ClN_2O_2S$ M 218.6 Cryst.

(MeOH aq.). Mp 76-78°.

S-Me, Et ester: [5909-24-0].

$C_8H_9ClN_2O_2S$ M 232.6 Cryst.

(petrol). Mp 60-63°.

► Mild vesicant.

S-Me, nitrile: [33089-15-5]. 4-Chloro-5-cyano-

2-(methylthio)pyrimidine

$C_6H_4ClN_2S$ M 185.6 Cryst.

(pentane). Mp 61-63°.

S-Me, anhydride: [62094-69-3].

$C_{12}H_8Cl_2N_4O_3S_2$ M 391.2 Cryst.

(hexane). Mp 117-118°.

Todd, C.W. *et al*, *J.A.C.S.*, 1943, **65**, 352

(*synth*)

Shadbolt, R.S. *et al*, *J.C.S.(C)*, 1967, 1172

(*synth*)

Santilli, A.A. *et al*, *J. Het. Chem.*, 1971, **8**, 445

(*nitrile*)

Budesinsky, Z. *et al*, *Coll. Czech. Chem. Comm.*,

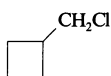
1972, **37**, 1721 (*synth, Me ester*)

Kimura, Y. *et al*, *Chem. Pharm. Bull.*, 1976, **24**,

2637 (*anhydride*)

(Chloromethyl)cyclobutane
Cyclobutylmethyl chloride

C-1-00116

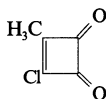


C_5H_9Cl M 104.5
Bp 109-111°. n_D^{21} 1.448.

Richey, H.G. *et al*, *J.O.C.*, 1964, **29**, 421.
Beckwith, A.L.J. *et al*, *J.C.S. Perkin 2*, 1980, 1083.

3-Chloro-4-methyl-3-cyclobutene-1,2-dione, 9CI
[75966-10-8]

C-1-00117

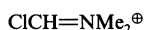


$C_5H_3ClO_2$ M 130.5
Yellow oil or cryst. (Et₂O/hexane). Mp 31-32°. Bp₁₈ 80-88° (Bp_{0.5} 75-80°).

Bellus, D. *et al*, *Helv. Chim. Acta*, 1980, **65**, 1130 (*synth*, *w*, *ir*, *pmr*)
Liebeskind, L.S. *et al*, *J.A.C.S.*, 1993, **115**, 9048 (*synth*, *ir*, *pmr*)

(Chloromethylene) dimethylammonium(1+)

C-1-00118



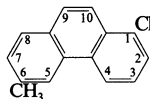
$C_3H_7ClN^{\oplus}$ M 92.5 (ion)

Chloride: Dimethylformamide chloride
 $C_3H_7Cl_2N$ M 128.0 Obt. from Dimethylformamide, D-0-09491 + phosgene, SOCl₂ or PCl₅. Cryst. Mp 140-145°. V. hygroscopic, hydrol. by H₂O. Stable under N₂ at least 1 month.

Bosshard, H.H. *et al*, *Helv. Chim. Acta*, 1959, **42**, 1653.

1-Chloro-6-methylphenanthrene, 9CI
[84194-40-1]

C-1-00119



$C_{15}H_{11}Cl$ M 226.7
Cryst. (petrol). Mp 99.6-100.2°.

Mallory, F.B. *et al*, *J.O.C.*, 1983, **48**, 526 (*synth*)

9-Chloro-10-methylphenanthrene, 9CI
[52979-77-8]

C-1-00120

$C_{15}H_{11}Cl$ M 226.7
Pale beige needles (EtOH). Mp 120-121°.

Washburn, L.C. *et al*, *J. Med. Chem.*, 1974, **17**, 676 (*synth*)

Pearson, D.E. *et al*, *Synthesis*, 1976, 621 (*synth*)

2-Chloro-4-methyl-6-phenylpyrimidine, 9CI
[32785-40-3]

C-1-00121



$C_{11}H_9ClN_2$ M 204.6
Cryst. Mp 53° (50-51°).

Merkatz, A.V., *Ber.*, 1919, **52**, 869 (*synth*)
Elmoghayar, M.R.H. *et al*, *Acta Chem. Scand., Ser. B*, 1983, **37**, 109 (*synth*, *pmr*, *ms*)

4-Chloro-2-methyl-6-phenylpyrimidine, 9CI
[2915-15-3]

C-1-00122

$C_{11}H_9ClN_2$ M 204.6
Cryst. (petrol). Mp 59°.

Streef, J.W. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1969, **88**, 1391 (*synth*)
Marsura, A. *et al*, *Synthesis*, 1993, 478 (*synth*, *pmr*, *ms*)

4-Chloro-6-methyl-2-phenylpyrimidine, 9CI
6-Chloro-4-methyl-2-phenylpyrimidine
[29509-92-0]

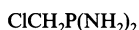
C-1-00123

$C_{11}H_9ClN_2$ M 204.6
Cryst. (hexane or petrol). Mp 73-74°.

Crenshaw, R.R. *et al*, *J. Het. Chem.*, 1970, **7**, 871 (*synth*)
Kato, T. *et al*, *Org. Mass Spectrom.*, 1974, **9**, 981 (*ms*)
Honma, Y. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 4314 (*synth*, *ms*)

P-(Chloromethyl)phosphonous diamide, 9CI

C-1-00124



CH_6ClN_2P M 112.4

N,N,N',N'-Tetra-Et: [100548-25-2]. P-(Chloromethyl)-N,N,N',N'-tetraethylphosphonous diamide. (Chloromethyl)phosphonous bis(diethylamide)

$C_9H_{22}ClN_2P$ M 224.7 Oil.

N,N,N',N'-Tetraisopropyl: [124862-12-0]. P-(Chloromethyl)-N,N,N',N'-tetraisopropylphosphonous diamide. (Chloromethyl)phosphonous bis(diisopropylamide)

$C_{13}H_{30}ClN_2P$ M 280.8 Cryst. Mp 61° (31°).

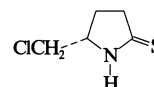
Prishchenko, A.A. *et al*, *Zh. Obshch. Khim.*, 1985, **55**, 1194; *J. Gen. Chem. USSR (Engl. Transl.)*, 1985, **55**, 1065 (*tetraethyl*, *synth*, *pmr*, *P-31 nmr*)

Kolodyazhnyi, O.I. *et al*, *Tet. Lett.*, 1989, **30**, 2445 (*tetraisopropyl*, *synth*, *pmr*, *cmr*, *P-31 nmr*)

Kolodyazhnyi, O.I., *Zh. Obshch. Khim.*, 1990, **60**, 1727; *J. Gen. Chem. USSR (Engl. Transl.)*, 1990, **60**, 1541 (*tetraisopropyl*, *synth*, *P-31 nmr*)

5-(Chloromethyl)-2-pyrrolidinthione, 9CI

C-1-00125



C_5H_8ClNS M 149.6

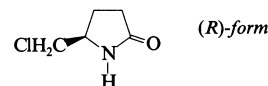
(S)-form [163230-53-3]

Cryst. solid (CHCl₃/hexane). Mp 126-128°. $[\alpha]_D$ -36.2 (c, 0.051 in CHCl₃).

Smith, D.C. *et al*, *J.O.C.*, 1995, **60**, 2692 (*synth*, *ir*, *pmr*, *ms*)

5-(Chloromethyl)-2-pyrrolidinone
[99382-20-4]

C-1-00126



C_5H_8ClNO M 133.5

(R)-form [138541-53-4]

Solid. Mp 35° approx. Bp_{0.1} 128°. $[\alpha]_D^{20}$ +1.6 (c, 2.5 in EtOH).

(S)-form [72479-04-0]

Solid. Mp 53-55°. Bp_{0.15} 106.5-107°. $[\alpha]_D^{20}$ -18 (c, 2.5 in EtOH).

Silverman, R.B. *et al*, *J.O.C.*, 1980, **45**, 815 (*synth*)

Valasinas, A. *et al*, *J.O.C.*, 1992, **57**, 2158 (*synth*)

1-(Chloromethyl)-4-(trifluoromethyl)benzene

C-1-00127

α' -Chloro- α,α,α -trifluoro-p-xylene. p-Trifluoromethylbenzyl chloride
[939-99-1]

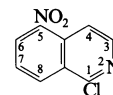
$C_8H_6ClF_3$ M 194.5
Mp 19°. Bp₁₂ 68°. n_D^{22} 1.4622.

Streitwieser, A. *et al*, *J.A.C.S.*, 1964, **86**, 4938.

1-Chloro-5-nitroisoquinoline, 9CI

C-1-00128

[58142-97-5]



$C_9H_6ClN_2O_2$ M 208.6
Cryst. Mp 187°.

Elpern, B. *et al*, *J.A.C.S.*, 1946, **68**, 1436 (*synth*)
Robinson, R.A. *et al*, *J.A.C.S.*, 1947, **69**, 1939 (*synth*)

3-Chloro-5-nitroisoquinoline, 9CI
[10296-47-6]

C-1-00129

$C_9H_6ClN_2O_2$ M 208.6
Pale yellow needles (C₆H₆/hexane). Mp 163-165°.

Hall, C.E. *et al*, *Can. J. Chem.*, 1966, **44**, 2473 (*synth*)

4-Chloro-3-nitroisoquinoline C-1-00130

$C_9H_5ClN_2O_2$ M 208.6
Yellow needles (EtOH). Mp 108-109°.
Ikehara, M. *et al*, *Chem. Pharm. Bull.*, 1959, 7, 501 (*synth*)

4-Chloro-5-nitroisoquinoline, C-1-00131
9Cl

[53599-88-5]
 $C_9H_5ClN_2O_2$ M 208.6
Pale yellow needles (EtOH aq.). Mp 180-182°.
Uff, B.C. *et al*, *J.C.S. Perkin I*, 1974, 1146 (*synth*, *ir*, *pmr*)

5-Chloro-8-nitroisoquinoline, C-1-00132
9Cl

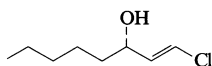
[58142-95-3]
 $C_9H_5ClN_2O_2$ M 208.6
Cryst. Mp 134-135°.
Manske, R.H.F. *et al*, *Can. J. Res., Sect. B*, 1949, 27, 161; *CA*, 43, 5783i (*synth*)

7-Chloro-8-nitroisoquinoline, C-1-00133
9Cl

[78104-31-1]
 $C_9H_5ClN_2O_2$ M 208.6
Cryst. Mp 146-147°.
Manske, R.H.F. *et al*, *Can. J. Res., Sect. B*, 1949, 27, 161; *CA*, 43, 5783i (*synth*)

8-Chloro-5-nitroisoquinoline, C-1-00134
9Cl

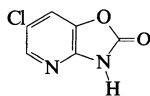
$C_9H_5ClN_2O_2$ M 208.6
Light yellow needles (MeOH). Mp 122-124°.
N-Oxide:
 $C_9H_5ClN_2O_3$ M 224.6 Yellow needles. Mp 250-252° subl.
Wozniak, M. *et al*, *Annalen*, 1994, 355 (*synth*, *pmr*)

1-Chloro-1-octen-3-ol, 9Cl C-1-00135

$C_9H_{15}ClO$ M 162.6
(S)-(E)-form [116500-94-8]
Liq. $[\alpha]_D$ -4.8 (c, 4 in $CHCl_3$).
[67550-01-0, 116414-89-2, 132015-84-0, 168254-30-6]
Kitano, Y. *et al*, *Tet. Lett.*, 1987, 28, 6351 (*synth*)
Yadav, J.S. *et al*, *Tet. Lett.*, 1990, 31, 4495 (*synth*)
Yadav, J.S. *et al*, *Tetrahedron*, 1992, 48, 4465 (*synth*, *pmr*)

6-Chlorooxazolo[4,5-b]pyridin-2(3H)-one, 9Cl C-1-00136

[35570-68-4]



$C_6H_3ClN_2O_2$ M 170.5

Cryst. (EtOH aq.). Mp 188-189°.
Rüfenacht, K. *et al*, *Helv. Chim. Acta*, 1976, 59, 1593 (*synth*)

Chloropentafluorobenzene, C-1-00137
9Cl, 8Cl

[344-07-0] (C_6F_5)Cl
 C_6ClF_5 M 202.5
Liq. d_4^{25} 1.568. Bp₇₅₀ 122-123°.
Mcbee, E.T. *et al*, *Ind. Eng. Chem.*, 1947, 39, 378 (*synth*, *props*)
Florin, R.E. *et al*, *J. Res. Natl. Bur. Stand. (U.S.)*, 1959, 62, 1191 (*synth*)
Smithson, L.D. *et al*, *Org. Mass Spectrom.*, 1970, 4, 1 (*ms*)
Oboronravov, P.W.D. *et al*, *Zh. Org. Khim.*, 1977, 13, 1679; *J. Org. Chem. USSR (Engl. Transl.)*, 1977, 13, 1553 (*form*)
Bardin, V.V. *et al*, *J. Fluorine Chem.*, 1983, 23, 67 (*synth*, F-19 *nmr*)
Kinkead, E.R. *et al*, *Toxicol. Ind. Health*, 1990, 6, 533; *CA*, 115, 43966e (*tox*)
Zhukov, A.P. *et al*, *CA*, 1991, 115, 268930p (*Cl-35 nqr*, *struct*)

2-Chloropentanal, 9Cl C-1-00138

[41718-47-2] $H_3CCH_2CH_2CHClCHO$
 C_5H_9ClO M 120.5
(±)-form
Liq. Bp 126-130° (95% pure).
White, R.E. *et al*, *J.O.C.*, 1973, 38, 3902 (*synth*, *ir*, *pmr*)
De Kimpe, N. *et al*, *Bull. Soc. Chim. Belg.*, 1992, 101, 237 (*synth*)

4-Chloropentanal, 9Cl C-1-00139

4-Chlorovaleraldehyde, 8Cl
[17408-13-8] $H_3CCHClCH_2CH_2CHO$

2-Chloro-3-pentanone, 9Cl C-1-00140

C_5H_9ClO M 120.5
(±)-form
Liq. Bp₁₆ 70-71°.
Helferich, B. *et al*, *Ber.*, 1920, 53, 2009 (*synth*)
Friederang, A.W. *et al*, *J.O.C.*, 1968, 33, 3797 (*synth*, *ir*, *pmr*)

2-Chloro-3-pentanone, 9Cl C-1-00140

[17042-21-6] $H_3CCH_2COCHClCH_3$
 C_5H_9ClO M 120.5
(±)-form [117139-60-3]
Liq. Bp₅₃ 60-61°, Bp₇ 32-33°. n_D^{20} 1.4286.
Asinger, F. *et al*, *Annalen*, 1960, 634, 164 (*synth*)
Wyman, D.P. *et al*, *J.O.C.*, 1964, 29, 1956 (*synth*, *pmr*)
Ogloblin, K.A. *et al*, *Zh. Obshch. Khim.*, 1964, 34, 1525; *J. Gen. Chem. USSR (Engl. Transl.)*, 1964, 34, 1533 (*synth*, *ir*)
Gough, T.E. *et al*, *Can. J. Chem.*, 1967, 45, 2529 (*synth*, *pmr*)
Föhlisch, B. *et al*, *Chem. Ber.*, 1986, 119, 1661 (*cmr*, *ms*)
De Buyck, L. *et al*, *Bull. Soc. Chim. Belg.*, 1994, 103, 21 (*pmr*, *cmr*)

3-Chloro-2-pentanone, 9Cl C-1-00141
[13280-00-7]

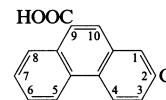
$H_3CCH_2CHClCOCH_3$
 C_5H_9ClO M 120.5
(±)-form
Liq. Bp₇₄₅ 130-132°, Bp₁₂ 36-38°. n_D^{20} 1.4280.
Oxime: [14352-56-8].
 $C_5H_{10}ClNO$ M 135.5 Liq. Bp₁₀ 75°.
► Lachrymator.
Buchman, E.R. *et al*, *J.A.C.S.*, 1945, 67, 395 (*synth*)
Borrows, E.T. *et al*, *J.C.S.*, 1946, 1083 (*synth*)
Searles, S. *et al*, *J.O.C.*, 1957, 22, 919 (*synth*)
Ogloblin, K.A. *et al*, *Zh. Obshch. Khim.*, 1964, 34, 1525; *J. Gen. Chem. USSR (Engl. Transl.)*, 1964, 34, 1533 (*synth*, *ir*)
Hart, H. *et al*, *J.A.C.S.*, 1968, 90, 5189 (*synth*, *ir*, *ms*, *pmr*)
De Kimpe, N. *et al*, *Synthesis*, 1990, 595 (*synth*)

4-Chloro-2-pentanone, 9Cl C-1-00142
[26386-83-4]

$H_3CCHClCH_2COCH_3$
 C_5H_9ClO M 120.5
(±)-form
Oil. Bp 159-160°, Bp₁₅ 48°.
Brown, E. *et al*, *Bull. Soc. Chim. Fr.*, 1972, 212 (*synth*, *pmr*, *ir*)

2-Chloro-9-phenanthrenecarboxylic acid C-1-00143

[56988-39-7]



$C_{15}H_9ClO_2$ M 256.6
Leaflets (EtOH aq.). Mp 240-242° (233-234°).
Schofield, K. *et al*, *J.C.S.*, 1949, 2393 (*synth*)
Wassmundt, F.W. *et al*, *J.O.C.*, 1995, 60, 196 (*synth*, *ir*, *pmr*)

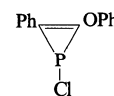
6-Chloro-9-phenanthrenecarboxylic acid C-1-00144

[56988-42-2]

$C_{15}H_9ClO_2$ M 256.6
Needles (AcOH). Mp 301.5-302.5°.
Et ester:
 $C_{17}H_{13}ClO_2$ M 284.7 Needles (EtOH). Mp 94.5-95°.
Nyler, P., *Ber.*, 1920, 53, 158 (*synth*, *deriv*)
Wassmundt, F.W. *et al*, *J.O.C.*, 1995, 60, 196 (*synth*, *pmr*, *ir*)

1-Chloro-2-phenoxy-3-phenyl-1H-phosphirene C-1-00145

[124946-31-2]

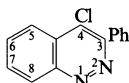


$C_{14}H_{10}ClOP$ M 260.6

Oil. Bp_{0.002} 150° (oven).

Schnurr, W. *et al*, *Tet. Lett.*, 1989, **30**, 3951
(*synth*, *cmr*, P-31 *nmr*)

4-Chloro-3-phenylcinnoline C-1-00146
[13109-11-0]



C₁₄H₉ClN₂ M 240.6

Orange cryst. (Et₂O/petrol). Mp 119-120°.

Schofield, K. *et al*, *J.C.S.*, 1949, 2393 (*synth*)
Lowrie, H.S. *et al*, *J. Med. Chem.*, 1966, **9**, 670
(*synth*)

Vasilevsky, S.F. *et al*, *Synth. Commun.*, 1994, **24**, 1733 (*synth*)

6-Chloro-4-phenylcinnoline, C-1-00147
9CI

[21039-78-1]

C₁₄H₉ClN₂ M 240.6

Pale yellow needles (Et₂O/petrol). Mp 141-142°.

1-Oxide: [60794-31-2].

C₁₄H₉ClN₂O M 256.6 Yellowish
cryst. (CH₂Cl₂/petrol). Mp 195-197°.

2-Oxide: [60794-30-1].

C₁₄H₉ClN₂O M 256.6 Pale yellow
needles (CH₂Cl₂/MeOH). Mp 165-167°.

Bannore, S.N. *et al*, *Indian J. Chem.*, 1969, **7**,
654; 1973, **11**, 631 (*synth*, *ms*)

Walser, A. *et al*, *J. Het. Chem.*, 1976, **13**, 907
(*oxides*)

2-Chloro-3-phenyl-2-cyclobuten-1-one, 9CI C-1-00148

[91391-31-0]



C₁₀H₇ClO M 178.6

Long needles (petrol). Mp 67.8-69.2°.

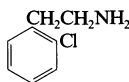
Manatt, S.L. *et al*, *J.A.C.S.*, 1964, **86**, 2645
(*synth*)

Wiberg, K.B. *et al*, *J.A.C.S.*, 1993, **115**, 10645
(*synth*)

2-(2-Chlorophenyl)ethylamine C-1-00149

2-Chlorobenzeneethanamine, 9CI. 2-Chlorophenethylamine

[13078-80-3]



C₈H₁₀ClN M 155.6

d 1.106. Bp₁₅ 120°, Bp₃ 94-95°. n_D²⁰ 1.5516.

Hydrochloride: [18970-81-5].

Cryst. (MeOH/Et₂O). Mp 214-216°.

Aldrich Library of FT-IR Spectra, 1st edn., **1**,
1282C.

Aldrich Library of NMR Spectra, **2**, 595C.

Price, R. *et al*, *Ann. Appl. Biol.*, 1978, **89**, 479
(*synth*)

Eur. Pat., 69 622, (1983); *CA*, **99**, 53332K.

Bompart, J. *et al*, *Ann. Pharm. Fr.*, 1987, **45**,
379 (*synth*)

2-(3-Chlorophenyl)ethylamine C-1-00150

3-Chlorobenzeneethanamine, 9CI. 3-Chlorophenethylamine

[13078-79-0]

C₈H₁₀ClN M 155.6

Used in synthesis of Ca²⁺ entry blockers.

Exhibits plant growth regulatory props.

Liq. d 1.119. Bp₁₂ 111-113°. n_D²⁰ 1.5490.

Hydrochloride: [89042-13-7].

Cryst. (MeOH/Et₂O). Mp 157-160° dec.

Aldrich Library of FT-NMR Spectra, **2**, 601A.

Price, R. *et al*, *Ann. Appl. Biol.*, 1978, **89**, 479
(*synth*)

Hocquaux, M. *et al*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1983, **18**, 319; *CA*, **100**, 121427m
(*synth*)

Carson, J.R. *et al*, *J. Med. Chem.*, 1988, **31**, 630
(*use*)

2-(4-Chlorophenyl)ethylamine C-1-00151

4-Chlorobenzeneethanamine, 9CI. 4-Chlorophenethylamine

[156-41-2]

C₈H₁₀ClN M 155.6

Used in stimulation of sexual receptivity in
the female rat. Liq. d 1.112. Bp₁₆ 115-
118°, Bp₁₂ 124-129°. n_D²⁰ 1.5480.

Hydrochloride: [2492-83-3].

Cryst. (MeOH/Et₂O). Mp 240-243° dec.

Aldrich Library of FT-IR Spectra, 1st edn., **3**,
1172C.

Aldrich Library of NMR Spectra, 2nd edn., **1**,
1092C.

Wilson, C.A. *et al*, *Pharmacol., Biochem.*

Behav., 1982, **16**, 777; *CA*, **96**, 211162z
(*pharmacol*)

Martin, I.L. *et al*, *Acta Cryst. B*, 1978, **34**, 2176
(*cryst struct*)

Price, R. *et al*, *Ann. Appl. Biol.*, 1978, **89**, 479
(*synth*)

Bennington, F. *et al*, *J.O.C.*, 1979, **23**, 1958
(*synth*)

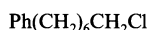
Vejdelek, Z. *et al*, *Coll. Czech. Chem. Comm.*,
1990, **55**, 2345 (*synth*)

Caldwell, G.W. *et al*, *Org. Mass Spectrom.*,
1990, **25**, 317 (*ms*)

1-Chloro-7-phenylheptane C-1-00152

(7-Chloroheptyl)benzene, 9CI

[54636-29-2]



C₁₃H₁₉Cl M 210.7

Liq. Bp₂ 129-132°.

Covant, J.B. *et al*, *J.A.C.S.*, 1924, **46**, 232
(*synth*)

Rossander, S.S. *et al*, *J.A.C.S.*, 1928, **50**, 1491
(*synth*)

Forth, M.A. *et al*, *J.O.C.*, 1994, **59**, 2616 (*synth*,
pmr)

(Chlorophenylmethyl) phosphonic dichloride C-1-00153

α-Chlorobenzylphosphonic dichloride

[55691-59-3]



C₇H₆Cl₃OP M 243.4

(±)-*form*

d₄⁴⁰ 1.45. Mp 60-61° (48°). Bp₂ 124-126°,

Bp_{0.3} 109°. n_D⁴⁰ 1.5666.

Kabachnik, M.I. *et al*, *Dokl. Akad. Nauk SSSR*,
Ser. Khim., 1950, **75**, 219; *CA*, **45**, 6569
(*synth*)

Kinnear, A.M. *et al*, *J.C.S.*, 1952, 3437 (*synth*)

Miller, J.A. *et al*, *J.C.S. Perkin 1*, 1976, 535

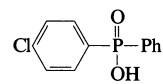
(*synth*, *ir*, *pmr*)

Haiger, M.J.P. *et al*, *J.C.S. Perkin 1*, 1989, 563

(*pmr*, P-31 *nmr*)

(4-Chlorophenyl) phenylphosphinic acid C-1-00154

[13118-97-3]



C₁₂H₁₀ClO₂P M 252.6

Solid. Mp 152-154°, Mp 158-160°.

2-Bromoethyl ester: [149794-62-7]. 2-

Bromoethyl (4-chlorophenyl)

phenylphosphinate

Cryst. (hexane). Mp 78°.

Butyl ester: [41044-95-5]. Butyl (4-

chlorophenyl)phenylphosphinate

C₁₆H₁₈ClO₂P M 308.7 Oil. d₄²⁰ 1.18.
n_D²⁰ 1.5642.

Chloride: [32395-30-5].

C₁₂H₉Cl₂OP M 271.0 Liq. Bp_{0.3} 155-
157°. n_D²⁰ 1.6169.

Azide:

C₁₂H₉ClN₃OP M 277.6 Liq. Bp_{0.01}
143-146°. n_D²⁰ 1.6120.

Petrov, K.A. *et al*, *Zh. Obshch. Khim.*, 1973, **43**,
37; *J. Gen. Chem. USSR (Engl. Transl.)*,
1973, **43**, 34 (*ester*, *acid*, *synth*)

Weissbach, F. *et al*, *J. Prakt. Chem.*, 1975, **317**,
394 (*chloride*, *azide*)

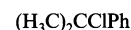
Harger, M.I.P. *et al*, *J.C.S. Perkin 1*, 1985, 1787
(*synth*, *chloride*)

Neidlein, R. *et al*, *Monatsh. Chem.*, 1993, **124**,
309 (*synth*, *ms*, *ir*, *w*, *pmr*)

2-Chloro-2-phenylpropane C-1-00155

(1-Chloro-1-methylethyl)benzene, 9CI. α-Chlorocumene, 8CI

[934-53-2]



C₉H₁₁Cl M 154.6

Oil. Bp_{0.05} 37°. Dec. on distillation. n_D²⁰
1.5210.

Ross, H. *et al*, *Chem. Ber.*, 1956, **89**, 2641
(*synth*)

Jacot-Guillarmod, A., *Helv. Chim. Acta*, 1957,
40, 1639 (*synth*)

Parham, W.E. *et al*, *J.O.C.*, 1981, **46**, 4804
(*synth*, *pmr*)

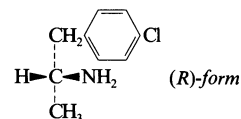
Gurudutt, K.N. *et al*, *Indian J. Chem., Sect. B*,
1993, **32**, 468 (*synth*, *pmr*)

Nölke, M. *et al*, *Annalen*, 1995, 41 (*synth*, *pmr*)

1-(4-Chlorophenyl)-2-propylamine C-1-00156

4-Chloro-α-methylbenzeneethanamine, 9CI. p-Chloro-α-methylphenethylamine. 4-Chloroamphetamine

[64-12-0]



C₉H₁₂ClN M 169.6

Causes reversible short-term redn. in levels of 5-hydroxytryptamine and 5-hydroxyindoleacetic acid in brain conc.

(R)-form [405-47-0]

Hydrochloride: [16064-31-6].
[α]_D²⁵ – 22 (c, 2.16 in H₂O).

(S)-form [405-46-9]

Hydrochloride: [16064-30-5].
[α]_D²⁵ + 22.0 (c, 2.1 in H₂O), [α]_D²⁵ – 8.6 (c, 2.1 in 2-propanol).

(±)-form [2275-84-5]

Bp_{0.2} 72°.

Hydrochloride: [3706-38-5].
Cryst. (EtOH/EtOAc/Et₂O). Mp 164-165°.

[25356-95-0]

Cavallini, G. *et al*, *Farmaco, Ed. Sci.*, 1956, **11**, 805 (*synth*)

Nielsen, C.K. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **170**, 428 (*pharmacol*)

Smith, H.E. *et al*, *J. Med. Chem.*, 1974, **17**, 416 (*synth*)

Smith, H.E. *et al*, *J.O.C.*, 1975, **40**, 1562 (*synth, abs config*)

Foye, W.O. *et al*, *J. Pharm. Sci.*, 1979, **68**, 591 (*synth*)

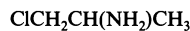
Ames, M.M. *et al*, *Biochem. Pharmacol.*, 1982, **31**, 5 (*metab*)

Smith, H.E. *et al*, *J.A.C.S.*, 1983, **105**, 1578 (*synth, uv*)

Fuller, R.W., *Neurochem. Res.*, 1992, **17**, 449 (*rev*)

1-Chloro-2-propylamine C-1-00157

1-Chloro-2-propanamine, 9Cl. 2-Chloro-1-methylethylamine, 8Cl. β-Chloroisopropylamine
[37143-56-9]



C₃H₈ClN M 93.5

(±)-form

Hydrochloride: Cryst. Mp 74-75°.

Coleman, G.H. *et al*, *J.A.C.S.*, 1928, **50**, 2739 (*synth*)

Minoura, Y. *et al*, *J.A.C.S.*, 1959, **81**, 4689 (*synth*)

2-Chloro-1-propylamine, 8Cl C-1-00158

2-Chloro-1-propanamine, 9Cl. 1-Amino-2-chloropropane
[14753-25-4]



C₃H₈ClN M 93.5

(±)-form

Hydrochloride: [6266-35-9].

Cryst. (EtOH). Mp 187-190° (180-181°).

[138373-82-7]

Jones, G.D. *et al*, *J.O.C.*, 1944, **9**, 125 (*synth*)

Schaefer, F.C. *et al*, *J.A.C.S.*, 1955, **77**, 5928 (*synth*)

Akerfeldt, S., *Acta Chem. Scand.*, 1966, **20**, 1783 (*synth*)

2-Chloro-2-propylphosphonic acid C-1-00159

(1-Chloro-1-methylethyl)phosphonic acid. α-Chloroisopropylphosphonic acid



C₃H₈ClO₃P M 158.5

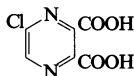
Mono-Me ester: [110520-78-0].

C₄H₁₀ClO₃P M 172.5 Solid (as anilinium salt). Mp 152-154° (anilinium salt).

Dichloride: [66794-41-0].

C₃H₆Cl₂OP M 195.4 Solid. Mp 80° approx. Subl._{1.5} 70°.

Harger, M.J.P. *et al*, *J.C.S. Perkin 1*, 1986, 1681 (*synth, ir, ms, pmr*)

5-Chloro-2,3-pyrazinedicarboxylic acid, 9Cl C-1-00160

C₆H₃ClN₂O₄ M 202.5

Cryst. (dil. HCl) (as hydrochloride). Mp 199-202° dec. (hydrochloride).

Dinitrile: [72111-57-0]. *5-Chloro-2,3-dicyanopyrazine*

C₆HClN₄ M 164.5 Mp 89-90°.

Nakonwra, A. *et al*, *Agric. Biol. Chem.*, 1983, **47**, 2923 (*synth, nitrile*)

Obafemi, C.A. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1549 (*synth, uv, pmr, cmr*)

2-Chloro-4-pyridinecarboxaldehyde, 9Cl C-1-00161

2-Chloro-4-formylpyridine
[101066-61-9]



C₆H₄ClNO M 141.5

Eur. Pat., 183 369, (1986) (*Beecham*); *CA*, **105**, 97347r (*synth*)

4-Chloro-2-pyridinecarboxaldehyde, 9Cl C-1-00162

4-Chloro-2-formylpyridine
[63071-13-6]

C₆H₄ClNO M 141.5

Mp 35-36°. Bp_{0.5} 46°.

Furukawa, S., *J. Phys. Soc. Jpn.*, 1957, **77**, 11; *CA*, **51**, 8745g.

Schulz, O.E. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1977, **310**, 128.

6-Chloro-3-pyridinecarboxaldehyde, 9Cl C-1-00163

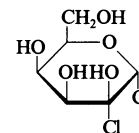
2-Chloro-5-formylpyridine. 6-Chloronicotinaldehyde
[23100-12-1]

C₆H₄ClNO M 141.5

Mp 71°.

Ziegler, F.E. *et al*, *Tet. Lett.*, 1969, 1097 (*synth*)

Vögtle, F. *et al*, *Synthesis*, 1994, 87 (*synth, pmr, ms, ir*)

2-C-Chlorotalopyranosyl chloride C-1-00164

C₆H₁₀Cl₂O₅ M 233.0

α-D-form

Tetrabenzoyl: [55628-80-3].

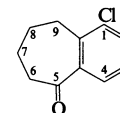
C₃₄H₂₆Cl₂O₉ M 649.4 Syrup. [α]_D²⁵ + 85.5 (c, 8.5 in CHCl₃).

Lundt, I. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 70 (*tetrabenzoyl, cmr, pmr*)

1-Chloro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, 9Cl C-1-00165

6-Chloro-1-benzosuberone

[21413-75-2]



C₁₁H₁₁ClO M 194.6

Liq. Bp₁₅ 162-165°. n_D²⁰ 1.5764.

Oxime: [21413-76-3].

C₁₁H₁₂ClNO M 209.6 Mp 136-138°.

Granger, R. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1961, **252**, 1478 (*synth*)

U.S. Pat., 3 632 853, (1972); *CA*, **77**, 5444x (*synth*)

2-Chloro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one C-1-00166

7-Chloro-1-benzosuberone

[24127-36-4]

C₁₁H₁₁ClO M 194.6

Liq. Bp_{0.35} 110-113°.

Oxime: [24127-37-5].

C₁₁H₁₂ClNO M 209.6 Needles (EtOH). Mp 128-131°.

Jones, D.H. *et al*, *J.C.S.(C)*, 1969, 2176 (*synth*)

3-Chloro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, 9Cl C-1-00167

8-Chloro-1-benzosuberone

[21413-77-4]

C₁₁H₁₁ClO M 194.6

Mp 36-40°. Bp_{2.9} 143-146°.

Oxime: [21413-78-5].

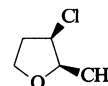
C₁₁H₁₂ClNO M 209.6 Mp 139-141°.

Jones, D.H. *et al*, *J.C.S.(C)*, 1969, 2176 (*synth*)

U.S. Pat., 3 632 853, (1972); *CA*, **77**, 5444x (*synth*)

3-Chlorotetrahydro-2-methylfuran C-1-00168

3-Chloro-2-methyltetrahydrofuran



(2*RS*,3*RS*)-form

C₅H₉ClO M 120.5

(2*RS*,3*RS*)-form

(±)-*cis*-form
Bp 146-147°.

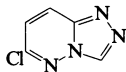
(2*RS*,3*SR*)-form

Bp 132-134°.

Crombie, L. *et al*, *J.C.S. Perkin I*, 1985, 1971;
1994, 673.

6-Chloro[1,2,4]triazolo[4,3-*b*]pyridazine

[28593-24-0]



C₅H₃ClN₄ M 154.5
Needles. Mp 204-205°.

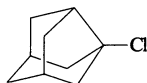
Sunder, S. *et al*, *J. Het. Chem.*, 1980, 17, 1527
(*synth*)

Holyer, W. *et al*, *J. Het. Chem.*, 1995, 32, 1341
(*synth*, *pmr*, *cmr*)

3-Chlorotricyclo[3.3.1.0^{3,7}]nonane

3-Chloronoradamantane. 3a-Chlorooctahydro-2,5-methanopentalene, 9CI

[151697-49-3]

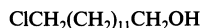


C₉H₁₃Cl M 156.6
Cryst. Mp 121°.

Olah, G.A. *et al*, *J.A.C.S.*, 1993, 115, 10728
(*synth*, *ms*, *pmr*, *cmr*)

13-Chloro-1-tridecanol

[72848-19-2]

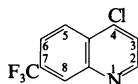


C₁₃H₂₇ClO M 234.8
Mp 47-48°.

Zakharkin, L.I. *et al*, *Zh. Org. Khim.*, 1981, 17,
755; *J. Org. Chem. USSR (Engl. Transl.)*,
1981, 17, 658 (*synth*)

4-Chloro-7-(trifluoromethyl)quinoline, 9CI

[346-55-4]



C₁₀H₆ClF₃N M 231.6
Stabiliser for enzyme assay reagents. Cryst.
(MeOH). Mp 71-72°.

N-Oxide: [55121-98-7].

C₁₀H₅ClF₃NO M 247.6 Syrup.

Aldrich Library of FT-IR Spectra, 1st edn., 3,
1568B.

Aldrich Library of NMR Spectra, 2nd edn., 2,
733C.

Snyder, H.R. *et al*, *J.A.C.S.*, 1947, 69, 371
(*synth*)

Ger. Pat., 2 428 194, (1975); *CA*, 82, 171059y
(*oxide*)

4-Chloro-8-(trifluoromethyl)quinoline, 9CI, 8CI

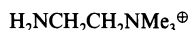
[23779-97-7]

C₁₀H₅ClF₃N M 231.6
Cryst. (petrol). Mp 80-82° (78°).

Aldrich Library of FT-NMR Spectra, 3, 427B.
Ger. Pat., 1 925 607, (1971); *CA*, 74, 76341k.

Cholamine

2-Amino-N,N,N-trimethylethanaminium(1+), 9CI
[38170-37-5]

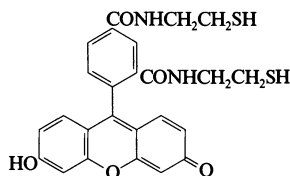


C₅H₁₅N₂[⊕] M 103.1 (ion)
[10256-43-6, 53759-29-8, 130150-78-6]

Gabriel, S., *Ber.*, 1920, 53, 1985 (*synth*)

Crabescien

4-(6-Hydroxy-3-oxo-3H-xanthen-9-yl)-N,N'-bis(2-mercaptoethyl)-1,3-benzenedicarboxamide, 9CI
[102072-98-0]



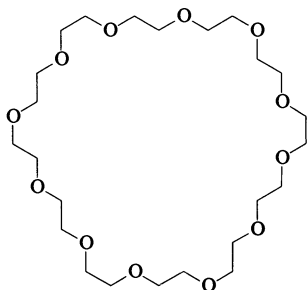
C₂₅H₂₂N₂O₅S₂ M 494.5
Labelling reagent. Links fluorescein to
proteins across a disulfide bridge.

Packard, B. *et al*, *Biochemistry*, 1986, 25, 3548
(*synth*, *uv*, *pmr*, *activity*)

Eur. Pat., 224 120, (1987) (*John Hopkins Univ*);
CA, 108, 18858 (*synth*, *use*)

36-Crown-12

1,4,7,10,13,16,19,22,25,28,31,34-Dodecaoxacyclohexatriacontane, 9CI
[71092-59-6]

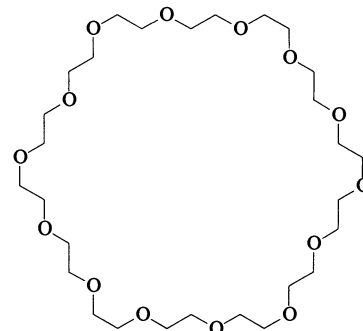


C₂₄H₄₈O₁₂ M 528.6
Cryst. (EtOH at -20°). Mp 54.5-57°.

Gibson, H.W. *et al*, *J.O.C.*, 1994, 59, 2186
(*synth*, *ir*, *pmr*, *cmr*, *ms*)

42-Crown-14

1,4,7,10,13,16,19,22,25,28,31,34,37,40-Tetradecaoxacyclodotetracontane, 9CI
[71092-60-9]

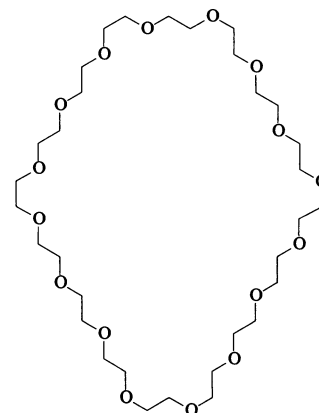


C₂₈H₅₆O₁₄ M 616.7
Cryst. (Me₂CO). Mp 55-57°.

Gibson, H.W. *et al*, *J.O.C.*, 1994, 59, 2186
(*synth*, *ir*, *pmr*, *cmr*, *ms*)

48-Crown-16

1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46-Hexadecaoxacyclooctatetracontane, 9CI
[71092-61-0]



C₃₂H₆₄O₁₆ M 704.8
Cryst. (Me₂CO). Mp 49.5-51°.

Gibson, H.W. *et al*, *J.O.C.*, 1994, 59, 2186
(*synth*, *ir*, *pmr*, *cmr*, *ms*)

60-Crown-20

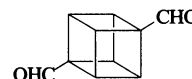
1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46,49,52,55,58-Eicosaacyclohexacontane, 9CI
[71092-63-2]

C₄₀H₈₀O₂₀ M 881.0
Cryst. (Me₂CO). Mp 57-58°.

Gibson, H.W. *et al*, *J.O.C.*, 1994, 59, 2186
(*synth*, *ir*, *pmr*, *cmr*, *ms*)

1,4-Cubanedicarboxaldehyde

1,4-Diformylcubane



C₁₀H₈O₂ M 160.1
Cryst. (hexane). Mp 133-135°.

Eaton, P.E. *et al*, *J.A.C.S.*, 1994, 116, 7588
(*synth*, *pmr*, *cmr*)

Cyanodithioformic acid, 8CI C-1-00181

Carbonocyanidodithioic acid, 9CI
[38093-84-4]

NCC(S)SH

C₂HNS₂ M 103.1

Grey cryst. (H₂O). Mp 110° dec. Turns brown on standing.

Me ester: [17008-22-9]. Methyl cyanodithioformate

C₃H₃NS₂ M 117.1 Undergoes ene reactions with alkenes. Deep purple liq. Bp₁ 50-60°.

Bähr, G. *et al*, *Ber.*, 1957, **90**, 438 (*synth*)

Simmons, H.E. *et al*, *J.A.C.S.*, 1962, **84**, 4786 (*Me ester*)

Vyas, D.M. *et al*, *Can. J. Chem.*, 1971, **49**, 3755.

Bray, J. *et al*, *Inorg. Synth.*, 1971, **13**, 187 (*synth*)

Vyas, D.M. *et al*, *J.C.S. Perkin 1*, 1975, 180.

Snider, B.B. *et al*, *J.A.C.S.*, 1976, **98**, 7115.

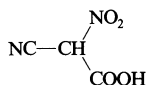
Fieser and Fieser's Reagents for Organic

Synthesis, Wiley, 1979, **7**, 237.

Kibbel, H.U. *et al*, *Z. Chem.*, 1981, **21**, 121 (*rev. synth, derivs*)

Cyanonitroacetic acid, 9CI C-1-00182

[166526-77-8]



C₃H₂N₂O₄ M 130.0

Salts exist in *aci*-nitro-form.

Di-Na salt: Disodium cyano-*aci*-nitroacetate

Pale yellow solid. Mp >300°.

Diammonium salt: Diammonium cyano-*aci*-nitroacetate

Pale yellow solid. Mp 120-137°.

Et ester:

C₅H₆N₂O₄ M 158.1 Cryst. (as K salt). Mp 240° (K salt).

Conrad, M. *et al*, *Ber.*, 1909, **42**, 735 (*ester*)

Nishiwaki, N. *et al*, *J. Het. Chem.*, 1995, **32**, 473 (*salts*)

P-Cyano-N,N,N',N'-tetraisopropylphosphonous diamide C-1-00183

P-Cyano-N,N,N',N'-tetrakis(1-methylethyl) phosphonous diamide
[97135-49-4]

[(H₃C)₂CH₂N]₂PCN

C₁₃H₂₈N₃P M 257.3

Solid. Mp 105°. Bp_{0.01} 80-85°.

Igau, A. *et al*, *J.A.C.S.*, 1988, **110**, 6463 (*synth, pmr, P-31 nmr*)

Roques, C. *et al*, *J.O.C.*, 1989, **54**, 5535 (*synth, ms, pmr, P-31 nmr*)

Cyazone C-1-00184

Cyanoacetic acid 1-methylethylidene hydrazide, 9CI. Cyanoacetic acid isopropylidenehydrazide, 8CI
[4974-42-9]

(H₃C)₂C=NNHCOCH₂CN

C₆H₉N₃O M 139.1

Used in control of Dictyocaulus in sheep.

Needles (Me₂CO). Mp 147-148°.

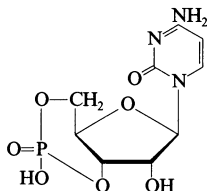
Zommer, S., *Acta Pol. Pharm.*, 1971, **28**, 14

(*synth, uv*)

Hamad, M.M., *Arch. Pharm. (Weinheim, Ger.)*, 1990, **323**, 595 (*synth*)

Cyclic CMP C-1-00185

Cytidine cyclic 3',5'-(hydrogen phosphate), 9CI. Cyclic 3',5'-cytidylic acid
[3616-08-8]



C₉H₁₂N₃O₇P M 305.1

λ_{max} 279 (ε 12430) (pH 2), 272 nm (9340) (H₂O, pH 7).

Na salt: [54925-33-6].

Solid + H₂O. λ_{max} 280 (ε 13650) (H₂O, pH 2), 272 nm (9550) (pH 7).

Ammonium salt: [55727-00-9].

Solid.

[108464-51-3]

Smith, M.S. *et al*, *J.A.C.S.*, 1961, **83**, 698

(*synth, uv*)

Ito, M. *et al*, *Agric. Biol. Chem.*, 1974, **38**, 2081

(*synth*)

Kainosho, M. *et al*, *J.A.C.S.*, 1975, **97**, 6839

(*conformn, pmr*)

Wierenga, W. *et al*, *J. Carbohydr., Nucleosides, Nucleotides*, 1977, **4**, 189 (*synth, uv, deriv*)

Baraniak, J. *et al*, *Pol. J. Chem. (Rocz. Chem.)*, 1982, **56**, 441 (*synth, pmr*)

Beres, J. *et al*, *J. Med. Chem.*, 1985, **28**, 418

(*synth*)

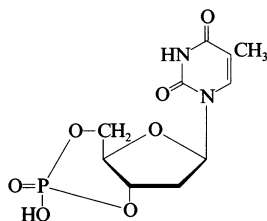
Baraniak, J. *et al*, *J.C.S. Perkin 1*, 1987, 1645

(*synth*)

Newton, R.P. *et al*, *Nucleosides Nucleotides*, 1990, **9**, 365 (*ms*)

Cyclic TMP C-1-00186

Thymidine cyclic 3',5'-(hydrogen phosphate), 9CI. Cyclic 3',5'-thymidylic acid
[6453-60-7]



C₁₀H₁₃N₂O₇P M 304.1

λ_{max} 260 nm (ε 10000) (H₂O, pH 7).

Na salt: [76567-90-3].

Solid.

Ammonium salt: [119999-00-7].

Solid.

Me ester: [120056-31-7]. Thymidine cyclic 3',5'-(methylphosphate)

C₁₁H₁₅N₂O₇P M 318.2 Solid. Mp 92-102°.

[120056-30-6]

Tener, G.M. *et al*, *J.A.C.S.*, 1958, **80**, 6223

(*synth, uv*)

Furusawa, K. *et al*, *J.C.S. Perkin 1*, 1976, 1711

(*synth, uv*)

Kainosho, M., *Org. Magn. Reson.*, 1979, **12**,

548 (*cmr*)

Japan. Pat., 80 120 793, (1980); *CA*, **94**, 137816f (*manuf*)

Ramos, D.L. *et al*, *J. Chromatogr.*, 1983, **261**,

83 (*hplc*)

Bentrude, W.G. *et al*, *J.A.C.S.*, 1989, **111**, 3981

(*synth*)

Broeders, N.L.H.L. *et al*, *J.A.C.S.*, 1990, **112**,

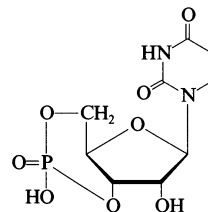
7475 (*synth, P-31 nmr, deriv*)

Newton, R.P. *et al*, *Nucleosides Nucleotides*,

1990, **9**, 365 (*ms*)

Cyclic UMP C-1-00187

Uridine cyclic 3',5'-(hydrogen phosphate), 9CI. Cyclic-3',5'-uridylic acid
[4004-57-3]



C₉H₁₁N₂O₈P M 306.1

λ_{max} 260 nm (ε 10000) (H₂O, pH 7).

Ammonium salt: Solid + 2H₂O.

Triethylammonium salt: Cryst. (EtOH/Et₂O or MeOH). Mp 220-223° dec. λ_{max} 261 (ε 9940) (pH 7), 260 nm (7740) (H₂O, pH 12).

Me ester: [56883-43-3].

C₁₀H₁₃N₂O₈P M 320.1 Powder

(dioxan).

Benzyl ester: [56942-15-5].

C₁₆H₁₇N₂O₈P M 396.2 Powder.

2'-Ac: [7390-55-8].

C₁₁H₁₃N₂O₉P M 348.2 Cryst. (EtOH) (as triethylammonium salt). Mp 245° dec. (triethylammonium salt).

2'-Benzoyl: [52301-27-6].

C₁₆H₁₅N₂O₉P M 410.2 λ_{max} 262 nm (MeOH).

[56942-13-3]

Smith, J. *et al*, *J.A.C.S.*, 1961, **83**, 698; 1959, **81**, 2911 (*synth, uv, deriv*)

Cozzone, P.J. *et al*, *Biochemistry*, 1976, **15**, 4853

(*P-31 nmr*)

Engels, J. *et al*, *Chem. Ber.*, 1977, **110**, 2 (*synth, pmr, deriv*)

(*P-31 nmr*)

Uesugi, S. *et al*, *Org. Magn. Reson.*, 1979, **12**,

143 (*cmr*)

Wang, X. *et al*, *CA*, 1980, **94**, 140088a (*synth*)

Zheng, Q. *et al*, *CA*, 1981, **30**, 1369 (*cryst struct*)

Baraniak, J. *et al*, *J.C.S. Perkin 1*, 1987, 1645

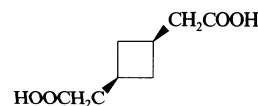
(*benzoyl*)

Newton, R.P. *et al*, *Nucleosides Nucleotides*,

1990, **9**, 365 (*ms*)

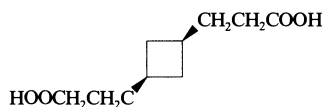
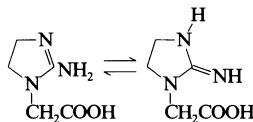
Perrett, D. *et al*, *Biomed. Chromatogr.*, 1991, **5**,

207; *CA*, **115**, 251308u (*hplc*)

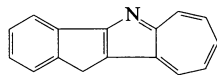
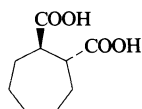
1,3-Cyclobutanediactic acid C-1-00188

C₈H₁₂O₄ M 172.1

(1*RS*,3*SR*)-form
cis-form

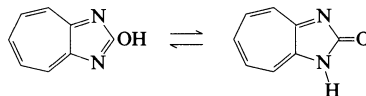
Plates (H₂O). Mp 154.5-155.5°.Paquette, L.A. *et al.*, *J.O.C.*, 1994, **59**, 5700
(*synth, ir, pmr, cmr*)**1,3-Cyclobutanedipropanoic acid C-1-00189 acid**C₁₀H₁₆O₄ M 200.2**(1*RS*,3*SR*)-form***cis*-formFlakes (H₂O). Mp 112.0-112.5°.*Di-Me ester*:C₁₂H₂₀O₄ M 228.2 Oil.Paquette, L.A. *et al.*, *J.O.C.*, 1994, **59**, 5700
(*synth, ir, pmr, cmr*)**Cyclocreatine C-1-00190**2-Amino-4,5-dihydro-1*H*-imidazole-1-acetic acid, 9*CI*. 2-Imino-1-imidazolidineacetic acid. 1-(Carboxymethyl)-2-iminoimidazolidine [35404-50-3]C₅H₉N₃O₂ M 143.1Substrate for creatine kinase *in vitro*.

3-Phosphate: [61839-19-8]. 1-(Carboxymethyl)-2-imino-3-phosphonoimidazolidine

C₅H₁₀N₃O₅P M 223.1 Source of high energy phosphate. Stored in muscle, heart and brain.Aldrich Library of ¹³C and ¹H FT NMR Spectra, **1**, 1329B (*nmr*)Struve, G.E. *et al.*, *J.O.C.*, 1977, **42**, 4035 (*synth, cmr, struct*)Woznicki, D.T. *et al.*, *J. Neurochem.*, 1979, **33**, 75 (*formn*)Phillips, G.N. *et al.*, *J.A.C.S.*, 1979, **101**, 7120 (*bibl, cryst struct, phosphate*)Roberts, J.J. *et al.*, *Arch. Biochem. Biophys.*, 1983, **220**, 563 (*activity*)**11*H*-Cyclohepta[*b*]indeno[2,1-*d*]pyrrole C-1-00191**C₁₆H₁₁N M 217.2Reddish-violet needles. Mp 184-185°. p*K*_a 6.2 (MeCN/ aq. buffer).Nitta, M. *et al.*, *J.C.S. Perkin 1*, 1994, 2721 (*synth, pmr, cmr*)**1,2-Cycloheptanedicarboxylic acid, 9*CI* C-1-00192**(1*RS*,2*RS*)-formC₉H₁₄O₄ M 186.2(1*RS*,2*RS*)-form [6070-46-8](±)-*trans*-formCryst. (MeCN). Mp 158°. p*K*_{a1} 4.30; p*K*_{a2} 6.18 (25°).*Di-Me ester*: [38312-28-6].C₁₁H₁₈O₄ M 214.2 Bp₁₀ 140-141°, Bp_{0.5} 78°.*Di-Et ester*:C₁₃H₂₂O₄ M 242.3 Bp₉ 149-150°, Bp_{0.2} 80°.*Dinitrile*: 1,2-DicyanocycloheptaneC₉H₁₂N₂ M 148.2 Bp_{0.7} 126-130°.(1*RS*,2*SR*)-form [3603-86-9]*cis*-formCryst. (Et₂O/methylcyclohexane). Mp 133-135°. p*K*_a 3.87 and 7.60 (25°).*Di-Me ester*: [38312-27-5].Bp_{0.4} 85°, Bp₁₅ 143-144°.*Anhydride*: [4432-22-8]. Hexahydro-1*H*-cyclohepta[c]furan-1,3-(3*aH*)-dione, 9*CI*C₉H₁₂O₃ M 168.1 Cryst. (hexane/Et₂O). Mp 50-52°. Bp_{0.5} 126-127°, Bp_{0.25} 94°.Ayres, D.C. *et al.*, *J.C.S.*, 1958, 1779 (*synth, resoln*)Sicher, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1961, **26**, 262 (*synth*)Brannock, K.C. *et al.*, *J.O.C.*, 1963, **28**, 1464 (*synth*)Svendsen, A. *et al.*, *Tetrahedron*, 1973, **29**, 4251 (*synth*)**2(1*H*)-Cycloheptimidazolone, C-1-00193**9*CI*, 8*CI*

2-Hydroxycycloheptimidazolone. 2-Cycloheptimidazolol. 2-Hydroxy-1,3-diazazulene

[2132-33-4]

C₈H₆N₂O M 146.1

Pale yellow needles (EtOH). Mp 245°.

NH-form*N*-Benzyl: [363-13-3]. 1-(Phenylmethyl)-2(1*H*)-cycloheptimidazolone, 9*CI*. 1-Benzyl-2(1*H*)-cycloheptimidazolone, 8*CI*.**Benhepazone**, INN, JAN. *RCH* 314 C₁₅H₁₂N₂O M 236.2 Analgesic. Antipyretic, antiinflammatory agent. Never marketed. Pale yellow cryst. (MeOH). Mp 181°.▶ LD₅₀ (mus, orl) 358 mg/kg. LD₅₀ (mus, ipr) 119 mg/kg. GU4670500.Nozoe, T. *et al.*, *J.A.C.S.*, 1954, **76**, 3352 (*synth*)
Murata, I., *Bull. Chem. Soc. Jpn.*, 1960, **33**, 56 (*synth*)Minakami, H. *et al.*, *Life Sci.*, 1964, **3**, 305 (*pharmacol*)Soma, N. *et al.*, *Chem. Pharm. Bull.*, 1965, **13**, 819 (*benzyl*)Murata, H. *et al.*, *Chem. Pharm. Bull.*, 1967, **15**, 1906 (*anal*)Takeshita, H. *et al.*, *Heterocycles*, 1979, **12**, 653 (*cmr*)Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BEH000.**2,4-Cyclohexadien-1-ol, 9*CI* C-1-00194***Benzene hydrate*

[66542-65-2]

C₆H₈O M 96.1Liq. Bp₂ 36-37°. Undergoes violent dec. on contact with acid, giving C₆H₆ and H₂O. Can be stored at -15° for several weeks.

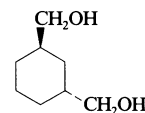
▶ Potentially violent dec.

[77165-50-5]

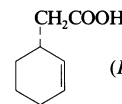
Stavascik, J. *et al.*, *J.A.C.S.*, 1971, **93**, 3046 (*synth, ir*)Rao, S.N. *et al.*, *J.A.C.S.*, 1993, **115**, 5458 (*synth, uv, pmr, cmr*)**1,3-Cyclohexanedimethanol, C-1-00195**9*CI*

1,3-Bis(hydroxymethyl)cyclohexane

[3971-28-6]

(1*RS*,3*RS*)-formC₈H₁₆O₂ M 144.2(1*RS*,3*RS*)-form [13022-98-5](±)-*trans*-formLiq. Bp_{0.1} 112-114°.(1*RS*,3*SR*)-form [5059-76-7]*cis*-formCryst. (Et₂O). Mp 58°.Haggis, G.A. *et al.*, *J.C.S.*, 1953, 399 (*synth*)Bridges, A.J. *et al.*, *J.A.C.S.*, 1984, **106**, 1461 (*synth, pmr*)**2-Cyclohexene-1-acetic acid, C-1-00196**9*CI*

[3675-31-8]



(R)-form

C₈H₁₂O₂ M 140.1

(R)-form [133775-37-8]

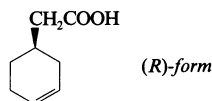
Oil. Bp_{0.6} 89-91°. [α]_D²⁵ -51.1 (c, 0.52 in MeOH).

(S)-form [137174-05-1]

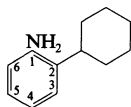
Oil. [α]_D²⁷ +84.4 (c, 2.57 in CHCl₃).

(±)-form [125973-24-2]

Oil. Mp 11°. Bp₂₄ 150-152°. n_D²⁵ 1.4787.*Nitrile*: [82700-05-8]. 3-(Cyanomethyl)cyclohexeneC₈H₁₁N M 121.1 Bp₁₅ 97°.Mousseron, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1946, 604 (*synth, nitrile*)Blomquist, A.T. *et al.*, *J.A.C.S.*, 1957, **79**, 4976 (*synth*)Rosenmund, K.W. *et al.*, *Chem. Ber.*, 1959, **92**, 486 (*synth*)Takano, S. *et al.*, *Synthesis*, 1994, 592 (*S*-form, *synth, ir, pmr, ms*)

3-Cyclohexene-1-acetic acid, C-1-00197
9CI
[10468-32-3]

$C_8H_{12}O_2$ M 140.1
(R)-form [61362-44-5]
Liq. Bp_{0.3} 92-94°. $[\alpha]_D^{26} +39.2$ (neat).
Me ester: [67976-61-8].
 $C_9H_{14}O_2$ M 154.2 Liq. Bp₇ 72-75°. $[\alpha]_D^{26} +28.3$ (neat).
Chloride:
 $C_8H_{11}ClO$ M 158.6 Liq. Bp₂₀ 95-96°. $[\alpha]_D^{21.5} +27.4$ (c, 1.71 in CCl_4).
(±)-form
Liq. Bp₂₅ 145-150°, Bp_{0.1} 72°.
Me ester: Liq. Bp₂₀ 90-05°.
Nitrile: 4-(Cyanomethyl)cyclohexene
 $C_8H_{11}N$ M 121.1 Liq. Bp_{1.5} 62-64°.
Klein, J., *Isr. J. Chem.*, 1963, 1, 385 (synth, Me ester, nitrile)
Doering, W. von E. et al, *J.A.C.S.*, 1972, 94, 3833 (synth, Me ester, chloride)

2-Cyclohexylaniline C-1-00198
2-Aminophenylcyclohexane. 2-Amino-1',2',3',4',5',6'-hexahydrobiphenyl
[4806-81-9]

$C_{12}H_{17}N$ M 175.2
Oil. Mp 13°. Bp₃ 132-134°.
Hydrochloride: Needles (Et₂O). Mp 107.8°, Mp 172°.
N-Ac:
 $C_{14}H_{19}NO$ M 217.3 Needles. Mp 101.2-102.0°.
Neunhoffer, O. et al, *J. Prakt. Chem.*, 1931, 133, 95 (synth)
McGuine, T.H. et al, *J.A.C.S.*, 1947, 69, 1469 (synth)
Rhoads, S.J. et al, *J.O.C.*, 1957, 22, 321 (synth, N-Ac)
Harmata, M. et al, *Synthesis*, 1994, 142 (ir, pmr, cmr)

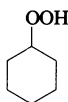
3-Cyclohexylaniline C-1-00199
3-Aminophenylcyclohexane. 3-Amino-1',2',3',4',5',6'-hexahydrobiphenyl
[5369-21-1]

$C_{12}H_{17}N$ M 175.2
Bp_{1.5} 123-125°.
Rhoads, S.J. et al, *J.O.C.*, 1957, 22, 321 (synth)

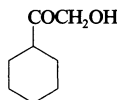
4-Cyclohexylaniline C-1-00200
4-Aminophenylcyclohexane. 4-Amino-1',2',3',4',5',6'-hexahydrobiphenyl
[6373-50-8]

$C_{12}H_{17}N$ M 175.2
Plates (EtOH aq.). Mp 55° (50.8-52.4°). Bp_{0.3} 110-114°.
N-Ac: [29030-57-7]. N-(4-Cyclohexylphenyl)acetamide, 9CI

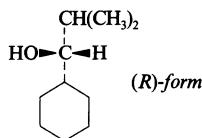
$C_{14}H_{19}NO$ M 217.3 Mp 131.4-131.9° (129°).
Mayes, H.A. et al, *J.C.S.*, 1929, 500 (synth, N-Ac)
Rhoads, S.J. et al, *J.O.C.*, 1957, 22, 321 (synth, N-Ac)
Erickson, E.H. et al, *J. Med. Chem.*, 1979, 22, 816 (synth)

Cyclohexyl hydroperoxide, C-1-00201
9CI, 8CI
Hydroperoxycyclohexane
[766-07-4]

$C_6H_{12}O_2$ M 116.1
Bp_{0.08} 39-40°.
▶ Potentially explosive.
Aganov, A.V. et al, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1982, 271 (cmr)
Pryor, W.A. et al, *J.O.C.*, 1985, 50, 185 (synth)
Chernov, P.P. et al, *Zh. Org. Khim.*, 1986, 22, 1883; *J. Org. Chem. USSR (Engl. Transl.)*, 1986, 22, 1691 (cmr, conformn)
Brown, H.C. et al, *Tetrahedron*, 1987, 43, 4059 (synth)
Druliner, J.D. et al, *J.O.C.*, 1988, 53, 700 (synth)

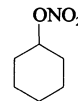
1-Cyclohexyl-2-hydroxyethanone, 9CI C-1-00202
(Hydroxyacetyl)cyclohexane
[6004-53-1]

$C_8H_{14}O_2$ M 142.1
Oil. Bp₄ 115-116°.
Matsumoto, T. et al, *J.O.C.*, 1985, 50, 603 (synth, ir, pmr, cmr)
Fetizon, M. et al, *Tet. Lett.*, 1985, 26, 3453 (synth, ir, pmr, cmr)
Ogawa, K. et al, *Chem. Pharm. Bull.*, 1987, 35, 2426 (synth, pmr)

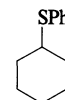
1-Cyclohexyl-2-methyl-1-propanol C-1-00203
 α -(1-Methylethyl)cyclohexanemethanol, 9CI.
 α -Isopropylcyclohexanemethanol, 8CI.
Cimepanol, INN. Bilidia
[29474-12-2]

$C_{10}H_{20}O$ M 156.2
Sedative, analgesic, choleric agent.
(R)-form [156569-67-4]
Bp₁₆ 98-101°. $[\alpha]_D^{24} -8.41$ (neat).
Cram, D.J. et al, *J.A.C.S.*, 1959, 81, 2737 (synth)
Burrows, E.P. et al, *J.A.C.S.*, 1960, 82, 880 (synth)

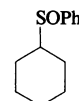
Ota, M., *Yuki Gosei Kagaku Kyokaiishi*, 1970, 28, 762; *CA*, 73, 98458 (synth)
Baldwin, J.E. et al, *Chem. Comm.*, 1984, 22 (synth)
Markó, I.E. et al, *Tetrahedron: Asymmetry*, 1994, 5, 569 (synth)

Cyclohexyl nitrate C-1-00204
[2108-66-9]

$C_6H_{11}NO_3$ M 145.1
Liq. d_4^{24} 1.0908. Bp 171°, Bp₃ 52-53°. n_D^{19} 1.4565.
Kornblum, N. et al, *J.A.C.S.*, 1952, 74, 3076 (synth)
Klochov, V.V. et al, *Zh. Obshch. Khim.*, 1989, 59, 1693; *J. Gen. Chem. USSR (Engl. Transl.)*, 1989, 59, 1506 (synth, conformn, cmr, ms)
Olah, G.A. et al, *Synthesis*, 1993, 207 (synth, cmr)

Cyclohexyl phenyl sulfide, 8CI C-1-00205
(Cyclohexylthio)benzene, 9CI
[7570-92-5]

$C_{12}H_{16}S$ M 192.3
Oil. Bp₁₂ 150-152°.
S-Oxide: see Cyclohexyl phenyl sulfoxide, C-1-00206
S,S-Dioxide: [6947-57-5]. Cyclohexyl phenyl sulfone, 8CI. (Cyclohexylsulfonyl)benzene, 9CI
 $C_{12}H_{16}O_2S$ M 224.3 Cubes (MeOH); tablets (AcOH). Mp 76° (74°).
Cunneen, J.I., *J.C.S.*, 1947, 36 (synth, dioxide)
Weibull, B., *Ark. Kemi*, 1951, 3, 171 (dioxide, synth)
Eliel, E.L. et al, *J.A.C.S.*, 1957, 79, 5995 (synth)
Duddeck, H. et al, *Magn. Reson. Chem.*, 1986, 24, 792 (pmr, cmr, ir, ms)
Fuchs, P.L. et al, *Synth. Commun.*, 1991, 21, 1675 (dioxide, synth)
Olah, G.A. et al, *Synthesis*, 1992, 465 (synth, cmr, ms)

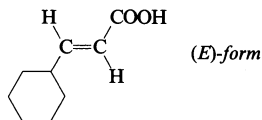
Cyclohexyl phenyl sulfoxide, C-1-00206
8CI
(Cyclohexylsulfanyl)benzene, 9CI
[3324-82-1]

$C_{12}H_{16}OS$ M 208.3
(±)-form [94405-89-7]
Cryst. (petrol). Mp 64-65° (57.5-58.5°).
Opt.-active forms not well descr.
Weibull, B., *Ark. Kemi*, 1951, 3, 171 (synth)
Eliel, E.L. et al, *J.O.C.*, 1965, 30, 855 (synth)
Kice, J.L. et al, *J.O.C.*, 1967, 32, 1631 (synth)

Duddeck, H. *et al*, *Magn. Reson. Chem.*, 1986, **24**, 792 (*pmr, cmr, ir, ms*)
 Ghelfi, F. *et al*, *Synth. Commun.*, 1993, **23**, 1759; 1994, **24**, 2393 (*synth, pmr*)

3-Cyclohexyl-2-propenoic acid, 9CI C-1-00207

Cyclohexaneacrylic acid, 8CI
 [4484-35-9]



$C_9H_{14}O_2$ M 154.2

(*E*)-form [56453-86-2]
 Cryst. (hexane). Mp 57-58°. Bp₁₁ 153-154°, Bp_{0.3} 75°.

Me ester: [26429-99-2].
 $C_{10}H_{16}O_2$ M 168.2 Bp₁₅ 92-93°, Bp_{0.3} 75°.

Et ester: [17343-88-3].
 $C_{11}H_{18}O_2$ M 182.2 Bp₁₁ 119°, Bp₂ 57-58°.

Chloride: [52331-62-1].
 $C_9H_{13}ClO$ M 172.6 Bp₁₂ 142°.

Nitrile: [22031-57-8]. 1-Cyano-2-cyclohexylethylene
 $C_9H_{13}N$ M 135.2 Bp₄ 85-86°.

(*Z*)-form

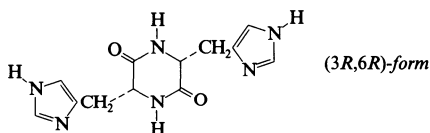
Nitrile: [78978-70-8].
 Bp₇ 110°.

[6048-09-5]

Sircar, S.S.G., *J.C.S.*, 1928, 54.
 Linstead, R.P. *et al*, *J.C.S.*, 1937, 1136.
 Bestmann, H.J. *et al*, *Chem. Ber.*, 1970, **103**, 685 (*E*-form, *Me ester, ir*)
 Larock, R.C., *J.O.C.*, 1975, **40**, 3236 (*E*-form, *Me ester*)
 Outurquin, F. *et al*, *Synthesis*, 1989, 690 (*synth*)

Cyclo(histidylhistidyl) C-1-00208

3,6-Bis(1*H*-imidazol-4-ylmethyl)-2,5-piperazinedione, 9CI, 8CI
 [6858-59-9]



$C_{12}H_{14}N_6O_2$ M 274.2

(3*R*,6*R*)-form [118139-79-0]

(+)-*cis*-form

Mp 288-292°. [α]_D +60 (c, 0.4 in 2*M* HCl).

(3*S*,6*S*)-form [16944-59-5]

(-)-*cis*-form

Cryst. (H₂O). Mp 299-300° dec. [α]_D²⁰ -60.5 (c, 1 in 1*M* HCl).

(3*R*,6*S*)-form [116051-89-9]

(±)-*trans*-form

Mp >280°. p*K*_{a1} 6.531; p*K*_{a2} 5.491.

Ziauddin, K.D. *et al*, *Tet. Lett.*, 1972, 483 (*pmr, uv*)

Oku, J. *et al*, *Makromol. Chem.*, 1979, **180**, 1089; 1982, **183**, 579 (*synth*)

Kojima, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1985, **58**, 409 (*cryst struct, pmr*)

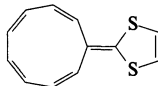
Arena, G. *et al*, *Inorg. Chem.*, 1987, **26**, 795 (*synth*)

Jackson, W.R. *et al*, *Aust. J. Chem.*, 1988, **41**, 203 (*synth, pmr*)

Benedetti, E. *et al*, *Int. J. Pept. Protein Res.*, 1988, **31**, 220 (*trans, synth, uv, pmr, cryst struct*)

2-(2,4,6,8-Cyclononatetraen-1-ylidene)-1,3-dithiole C-1-00209

1,4-Dithianonapentafulvalene

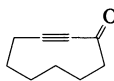


$C_{12}H_{10}S_2$ M 218.3

Yellow oil.

Chai, S. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1377 (*synth, uv, pmr, cmr, ms*)

2-Cyclononyn-1-one C-1-00210



$C_9H_{12}O$ M 136.1

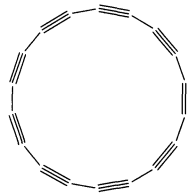
Liq. Bp_{0.6} 120°.

Gleiter, R. *et al*, *Synthesis*, 1995, 969 (*synth, pmr, cmr, ir*)

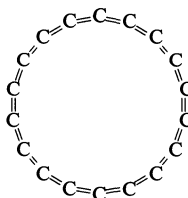
Cyclooctadecanonayne C-1-00211

Cyclo[18]carbon. Cyclooctadecaoctadecaene

[126487-09-0]



or



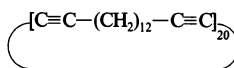
C_{18} M 216.1

Not yet known. 3 synthetic approaches tried.

Representative of the unknown class of cyclo[*n*]carbon carbon valence isomers. Not known whether the ground state will be cyclopolyalkyne or cycloallene.

Diederich, F. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1441.

1,3,25,27,49,51,73,75, 97,99,121,123,145,147, 169,171,193,195,217,241, 243,265,267-Cyclooctaocta-contadohectatetracosayne C-1-00212

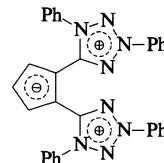


$C_{288}H_{480}$ M 3942.9

Conts. largest ring currently characterised (1995). Mp 112.5-115.5° (sinters at 111.5°).

Schill, G. *et al*, *Chem. Ber.*, 1978, **111**, 2901.

5,5'-(1,3-Cyclopentadiene-1,2-diy)bis[1,3-diphenyl-1*H*-tetrazolium](1+), 9CI C-1-00213



$C_{31}H_{23}N_8^{\oplus}$ M 507.5 (ion)

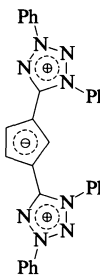
Tripolar mesoionic compd.

Trifluoromethanesulfonate: [170663-71-5].

$C_{32}H_{23}F_3N_8O_3S$ M 656.6 Red cryst. (EtOH/Et₂O). Mp 177°.

Araki, S. *et al*, *J.C.S. Perkin I*, 1995, 1989 (*synth, ir, uv, cmr, pmr*)

5,5'-(1,3-Cyclopentadiene-1,3-diy)bis[1,3-diphenyl-1*H*-tetrazolium](1+), 9CI C-1-00214



$C_{31}H_{23}N_8^{\oplus}$ M 507.5 (ion)

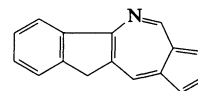
Tripolar mesoionic compd.

Trifluoromethanesulfonate: [170663-73-7].

$C_{32}H_{23}F_3N_8O_3S$ M 656.6 Yellow powder. Mp 145°.

Araki, S. *et al*, *J.C.S. Perkin I*, 1995, 1989 (*synth, uv, ir, pmr, cmr*)

11*H*-Cyclopenta[*e*]indeno[1,2-*b*]azepine C-1-00215



$C_{16}H_{11}N$ M 217.2

Violet needles (EtOH). Mp 190°.

Nitta, M. *et al*, *J.C.S. Perkin I*, 1995, 1001 (*synth, pmr, cmr, ir*)

3-Cyclopenten-1-amine, 9CI C-1-00216

3-Aminocyclopentene

[27721-59-1]



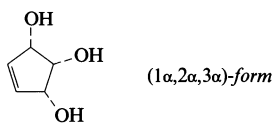
C_5H_9N M 83.1

Hydrochloride: [91469-55-5].

Cryst. (EtOH/Et₂O). Mp 219-221° (211-213°). Hygroscopic.

Murdock, K.C. *et al*, *J.O.C.*, 1962, 27, 2395
(*synth*)
Elliot, R.D. *et al*, *J. Med. Chem.*, 1994, 37, 739
(*synth*, *pmr*)

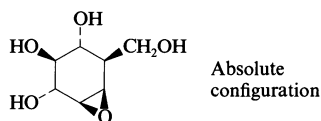
4-Cyclopentene-1,2,3-triol C-1-00217
[56772-30-6]



$C_5H_8O_3$ M 116.1
3 Stereoisomers possible.
(1 α ,2 α ,3 α)-*form* [29782-84-1]
Needles (EtOAc). Mp 64-66°. *Meso*-
Tribenzoyl:
 $C_{26}H_{20}O_6$ M 428.4 Cryst. (EtOH).
Mp 75°.
(1 α ,2 β ,3 α)-*form* [29782-82-9]
Constit. of *Ceratosicyos laevis*. Prisms
(Me₂CO). Mp 111°. *Meso*-
Tribenzoyl: [4157-20-4].
Cryst. (EtOH). Mp 98°.
(1 α ,2 α ,3 β)-*form* [30276-77-8]
Prisms (petrol). Mp 67-68°. *Racemate*.
Tribenzoyl: [30276-78-9].
Cryst. (EtOH). Mp 76-77°.
Gaoni, Y. *et al*, *Bull. Soc. Chim. Fr.*, 1959, 705
(*synth*)
Wolczunowicz, G. *et al*, *Helv. Chim. Acta*, 1970,
53, 1511, 2275; 1971, 54, 1676 (*synth*, *pmr*)
Singy, G.A. *et al*, *Helv. Chim. Acta*, 1974, 57,
1158 (*ms*)
Jensen, S.R. *et al*, *Phytochemistry*, 1986, 25,
2349 (*isol*)
Begley, M.J. *et al*, *J.C.S. Perkin I*, 1992, 57
(*synth*, *pmr*)

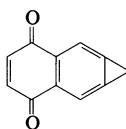
Cyclophellitol C-1-00218

3,4,5-Trihydroxy-7-oxabicyclo[4.1.0]heptane-
2-methanol. 2,3-Epoxy-4,5,6-trihydroxy-1-
cyclohexanemethanol. 1,2-Anhydro-3-deoxy-3-
(hydroxymethyl)-D-myo-inositol
[126661-83-4]



$C_7H_{12}O_5$ M 176.1
Isol. from a mushroom, *Phellinus* sp. β -
Glucosidase inhibitor. Plates (H₂O). Mp
149-151°. $[\alpha]_D^{27} + 103$ (c, 0.5 in H₂O).
Atsumi, S. *et al*, *J. Antibiot.*, 1990, 43, 49, 1579
(*isol*, *pmr*, *cmr*, *cryst struct*, *props*)
Tatsuta, K. *et al*, *Tet. Lett.*, 1990, 31, 1171
(*synth*)
Tatsuta, K. *et al*, *J. Antibiot.*, 1991, 44, 456
(*synth*, *props*)
Moritz, V. *et al*, *Tet. Lett.*, 1992, 33, 5243
(*synth*)
Akiyama, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1993,
66, 3760 (*synth*)
Shing, T.K.M. *et al*, *J.C.S. Perkin I*, 1994, 2017
(*synth*, *pmr*)
McDevitt, R.E. *et al*, *J.O.C.*, 1994, 59, 3250
(*synth*)

1H-Cyclopropa[b]naphthalene-3,6-dione, 9CI C-1-00219
[153202-81-4]



$C_{11}H_6O_2$ M 170.1
First stable cyclopropaquinone. Bright
yellow needles (CH₂Cl₂/hexanes at -40°).
Mp 130-132° dec.
Halton, B. *et al*, *J.C.S. Perkin I*, 1993, 2239
(*synth*, *pmr*, *cmr*)

1,1-Cyclopropanediol, 9CI, 8CI C-1-00220

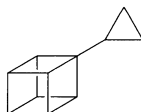
Cyclopropanone hydrate
[15144-65-7]



$C_3H_6O_2$ M 74.0
Mp 82-84°. *Di-Ac*: [14743-57-8].
 $C_7H_{10}O_4$ M 158.1 Cryst. (petrol). Mp
62-63°.
Grewe, R. *et al*, *Ber.*, 1963, 96, 2819 (*synth*)
Schaafsma, S.E. *et al*, *Rec. Trav. Chim. (J. R.*
Neth. Chem. Soc.), 1967, 86, 651 (*synth*)
van Tilborg, W.J.M. *et al*, *Rec. Trav. Chim. (J.*
R. Neth. Chem. Soc.), 1974, 93, 290 (*synth*)

Cyclopropylcubane C-1-00221

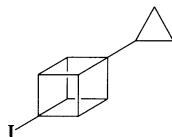
*Cyclopropylpentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]
octane, 9CI*
[134857-56-0]



$C_{11}H_{12}$ M 144.2
Oil. Mp -31°.
Eaton, P.E. *et al*, *J.O.C.*, 1995, 60, 966 (*synth*,
pmr, *cmr*)

1-Cyclopropyl-4-iodocubane C-1-00222

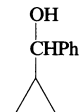
*1-Cyclopropyl-4-iodopentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]
octane, 9CI*
[161088-19-3]



$C_{11}H_{11}I$ M 270.1
Cryst. powder. Mp 76.5-77.5°.
Eaton, P.E. *et al*, *J.O.C.*, 1995, 60, 766 (*synth*,
pmr, *cmr*)

Cyclopropylphenylmethanol C-1-00223

α -Cyclopropylbenzenemethanol, 9CI. α -
Cyclopropylbenzyl alcohol, 8CI.
Cyclopropylphenylcarbinol
[1007-03-0]



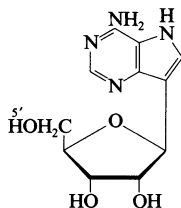
$C_{10}H_{12}O$ M 148.2
Bp₁₂ 121°. (\pm) -*form* [63226-80-2]
Me ether: [5558-08-7].
Cyclopropylmethoxyphenylmethane
 $C_{11}H_{14}O$ M 162.2 Bp₃₃ 106-115°,
Bp₁₄ 94-95°. [110548-55-5, 110548-56-6]
Olah, G.A. *et al*, *J.A.C.S.*, 1974, 96, 3548 (*cmr*)
Baldry, P.J., *J.C.S. Perkin I*, 1975, 1913 (*synth*,
ir, *pmr*)
Hall, S.S. *et al*, *Chem. Ind. (London)*, 1976, 216
(*synth*, *pmr*, *ms*)
Pirkle, W.H. *et al*, *J.O.C.*, 1981, 46, 2935
(*resoln*)
Dallinga, J.W. *et al*, *Org. Mass Spectrom.*, 1981,
16, 183 (*ms*)
Leeper, F.J. *et al*, *Tet. Lett.*, 1989, 30, 5017.

D

9-Deazaadenosine

D-1-00001

1-C-(4-Amino-5H-pyrrolo[3,2-d]pyrimidin-7-yl)-1,4-dihydro-D-ribitol, 9CI
[77691-03-3]



$C_{11}H_{14}N_4O_4$ M 266.2

Isol. from the cyanobacterium *Anabaena affinis*. Cytotoxic agent.

Hydrochloride: [77699-40-2].

Cryst. (EtOH). Mp 179-183°.

5'-O- α -D-Glucopyranoside: [146445-11-6].

$C_{17}H_{24}N_4O_9$ M 428.3 Isol. from *A. affinis*. $[\alpha]_D^{25} + 21.9$ (c, 0.05 in H_2O).

[77699-39-9]

Lim, M.-I. *et al*, *Tet. Lett.*, 1981, **22**, 25 (*synth, pmr*)

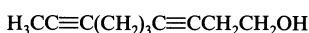
Chu, M.Y. *et al*, *Biochem. Pharmacol.*, 1984, **33**, 1229 (*props*)

Namikoshi, M. *et al*, *J.A.C.S.*, 1993, **115**, 2504 (*isol, struct*)

3,8-Decadiyn-1-ol

D-1-00002

[160109-64-8]



$C_{10}H_{14}O$ M 150.2

Oil.

Bao, J. *et al*, *J.A.C.S.*, 1994, **116**, 7616 (*synth, ir, pmr, cmr, ms*)

Decafluorobiphenyl

D-1-00003

Perfluorobiphenyl

[434-90-2]



$C_{12}F_{10}$ M 334.1

Cryst. (C_6H_6). Mp 68-70°. Bp 206°, Bp₂₀ 110°.

Nield, E. *et al*, *J.C.S.*, 1959, 166 (*synth*)

Brooke, G.M. *et al*, *J.C.S.*, 1964, 729 (*synth*)

Weidenbruch, M. *et al*, *Chem. Ber.*, 1972, **105**, 173 (*synth*)

Gleason, W.B. *et al*, *Cryst. Struct. Commun.*, 1976, **5**, 483 (*cryst struct*)

Arthur, J.W. *et al*, *J. Raman Spectrosc.*, 1976, **4**, 353 (*Raman*)

Matsumoto, H. *et al*, *J.O.C.*, 1983, **48**, 840 (*synth*)

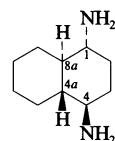
Aroney, M.J. *et al*, *J. Mol. Struct.*, 1985, **127**, 175 (*conformn*)

Decahydro-1,4-

naphthalenediamine, 9CI

1,4-Diaminodecalin. 1,4-Decalindiamine

D-1-00004



(1*RS*,4*RS*,4*aRS*,8*aRS*)-form

$C_{10}H_{20}N_2$ M 168.2

(1*RS*,4*RS*,4*aRS*,8*aRS*)-form [20616-59-5]

(1*α*,4*β*,4*aβ*,8*aα*)-form

d^{20} 1.01. Mp 32-33.5°. Bp 90°. n_D^{20} 1.5201.

N,N'-Di-Ac: [20616-73-3].

$C_{14}H_{24}N_2O_2$ M 252.3 Mp 317-318°.

N,N'-Dibenzoyl: [20616-69-7].

$C_{24}H_{28}N_2O_2$ M 376.4 Mp 312-313°.

(1*RS*,4*SR*,4*aRS*,8*aSR*)-form [20616-62-0]

(1*α*,4*α*,4*aβ*,8*aβ*)-form

d^{20} 1.02. Mp 2-3°. Bp 88-90°. n_D^{20} 1.5218.

N,N'-Dibenzoyl: [20616-71-1].

Mp 218-219°.

(1*RS*,4*SR*,4*aSR*,8*aRS*)-form [20616-63-1]

(1*α*,4*β*,4*aα*,8*aα*)-form

d^{20} 1.02. Mp 39-40°. Bp 102-105°. n_D^{20} 1.523.

N,N'-Di-Ac: [20616-75-5].

Mp 328°.

N,N'-Dibenzoyl: [20616-72-2].

Mp 353-354°.

(1*RS*,4*SR*,4*aSR*,8*aSR*)-form [20616-61-9]

(1*α*,4*β*,4*aα*,8*aβ*)-form

d^{20} 0.99. Mp 26-27°. Bp 102° (approx.). n_D^{23} 1.5138.

N,N'-Di-Ac: [20616-74-4].

Mp 405-410°.

N,N'-Dibenzoyl: [21906-73-0].

Mp > 360°.

(1*RS*,4*SR*,4*aSR*,8*aSR*)-form [20616-60-8]

d^{20} 1.00. Bp 100° (approx.). n_D^{20} 1.5157.

N,N'-Dibenzoyl: [20616-70-0].

Mp 228°.

Feltkamp, H. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1986, **301**, 374 (*synth*)

Decahydro-1,5-

naphthalenediamine

1,5-Diaminodecalin. 1,5-Decalindiamine

D-1-00005

[40015-87-0]

$C_{10}H_{20}N_2$ M 168.2

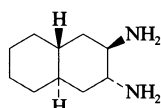
Ger. Pat., 2 132 547, (1973); CA, **78**, 97193m.

Decahydro-2,3-

naphthalenediamine

2,3-Diaminodecalin. 2,3-Decalindiamine

D-1-00006



(2*RS*,3*RS*,4*aRS*,8*aRS*)-form

$C_{10}H_{20}N_2$ M 168.2

(2*RS*,3*RS*,4*aRS*,8*aRS*)-form [55338-70-0]

(2*α*,3*β*,4*aβ*,8*aα*)-form

Isol. as dihydrochloride.

Hydrochloride (1:2): [41627-96-7].

Mp 265-270°.

(2*RS*,3*RS*,4*aSR*,8*aSR*)-form [54933-08-3]

(2*α*,3*β*,4*aα*,8*aβ*)-form

Isol. as dihydrochloride.

Hydrochloride (1:2): [41597-42-6].

Mp 197-230° dec.

(2*RS*,3*SR*,4*aSR*,8*aSR*)-form [54933-09-4]

(2*α*,3*α*,4*α*,8*β*)-form

Isol. as dihydrochloride.

Hydrochloride (1:2): [41597-35-7].

Mp > 254°.

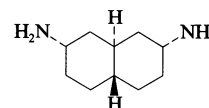
Yano, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 985 (*synth, nmr*)

Decahydro-2,7-

naphthalenediamine

2,7-Diaminodecalin. 2,7-Decalindiamine

D-1-00007



$C_{10}H_{20}N_2$ M 168.2

(2*RS*,4*aRS*,7*SR*,8*aRS*)-form

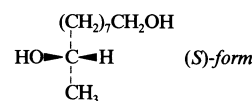
(2*α*,4*aβ*,7*α*,8*aα*)-form

Yellow needles (as picrate salt). Mp 243° (picrate).

Gross, R. *et al*, *Annalen*, 1994, 205.

1,9-Decanediol

D-1-00008



$C_{10}H_{22}O_2$ M 174.2

(*S*)-form [128705-94-2]

Viscous oil; cryst. (Et_2O). Mp 28.5-30°.

Bp₁ 130°. $[\alpha]_D^{20} + 7.5$ (c, 1.614 in $CHCl_3$).

(\pm)-form [3208-05-7]

Cryst. (Et_2O). Mp 31.5-32.5°.

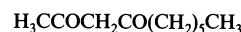
Quinkert, G. *et al*, *Helv. Chim. Acta*, 1989, **72**, 1753 (*synth, pmr, ir*)

Neeland, E.G. *et al*, *J.O.C.*, 1994, **59**, 7383 (*synth, pmr*)

2,4-Decanedione, 9CI

D-1-00009

[13329-78-7]



$C_{10}H_{18}O_2$ M 170.2

Oil. Bp₁₇ 148-150°.

Yamauchi, M. *et al*, *Synthesis*, 1988, 178 (*synth, pmr*)

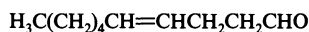
Ballini, R. *et al*, *Synthesis*, 1993, 965 (*synth, ir, pmr*)

Goosen, A. *et al*, *J.C.S. Perkin 2*, 1994, 557 (*synth, pmr, ms*)

4-Decenal

D-1-00010

[30390-50-2]

C₁₀H₁₈O M 154.2**(E)-form** [65405-70-1]

Used in perfumery. Pale yellow liq. with persistent green-aldehydic-floral odour. d 0.84. Bp₅ 90°.

2,4-Dinitrophenylhydrazine: Mp 101-103°.

(Z)-form [21662-09-9]Bp₁₀ 78-80°.

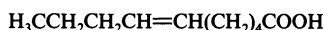
Ger. Pat., 2 018 898, (1970); CA, 74, 12612s. Nikishin, G.I. et al, *Synthesis*, 1972, 376 (*synth, spectra*)

Bestmann, H.J. et al, *Annalen*, 1981, 1705 (*synth*)

6-Decenoic acid, 9CI

D-1-00011

[85392-04-7]

C₁₀H₁₈O₂ M 170.2**(E)-form**

Liq. (?) with intense milky odour. Not yet found in nature (1986).

[86503-02-8, 86503-03-9, 86503-04-0, 118426-11-2]

Tulloch, A.P. et al, *Chem. Phys. Lipids*, 1985, 37, 197 (*cmr, Me ester*)

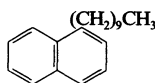
Shirakawa, T. et al, *Dev. Food Sci.*, 1988, 18, 915 (*synth, occur*)

1-Decylnaphthalene

D-1-00012

1-(1-Naphthalenyl)decane

[26438-27-7]

C₂₀H₂₈ M 268.4d₄²⁰ 0.932. Fp 15°. Bp 387°, Bp₁ 168°. n_D²⁰ 1.5435.Adv. Chem. Ser., 1955, 15, 232 (*props*)

2-Decylnaphthalene

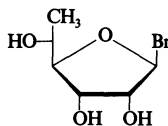
D-1-00013

1-(2-Naphthalenyl)decane

[14188-79-5]

C₂₀H₂₈ M 268.4d₄²⁰ 0.925. Fp 20°. Bp 387°, Bp₁ 168°. n_D²⁰ 1.5413.Adv. Chem. Ser., 1955, 15, 233 (*props*)

6-Deoxyallofuranosyl bromide D-1-00014

C₆H₁₁BrO₄ M 227.0**β-D-form**

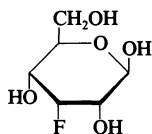
Tris(4-nitrobenzoyl): [80851-28-1].

Cryst. (CH₂Cl₂/hexane). Mp 118° (some dec. at 113°).

El-Khadem, H.S. et al, *Carbohydr. Res.*, 1981, 98, 195 (*nitrobenzoyl, ir*)

3-Deoxy-3-fluoroallose

D-1-00015



β-D-Pyranose-form

C₆H₁₁FO₅ M 182.1**β-D-Pyranose-form**

Me glycoside: [87585-98-6].

C₇H₁₃FO₅ M 196.1 Solid. Mp 124-125°.

Me glycoside, 6-pivaloyl: [87586-03-6].

Cryst. (Et₂O). Mp 104.5-106°. [α]_D²⁰ -48.8 (c, 1.0 in CHCl₃).

Me glycoside, 6-trityl: [87585-97-5].

Solid. Mp 84-86°.

Me glycoside, 4,6-O-isopropylidene: [87585-99-7].

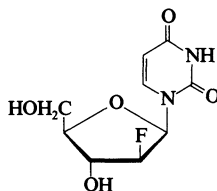
C₁₀H₁₇FO₅ M 236.2 Solid (Et₂O/hexane). Mp 84.5-87.5°.

Card, P.J. et al, *J.O.C.*, 1983, 48, 4734 (*Me gly deriv, pmr, F-19 nmr*)

1-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)uracil

D-1-00016

1-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)-2,4(1H,3H)-pyrimidinedione, 9CI [69123-94-0]

C₉H₁₁FN₂O₅ M 246.1

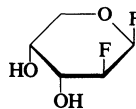
Cryst. (2-propanol/Et₂O). Mp 162° (156-157°).

Watanabe, K.A. et al, *J. Med. Chem.*, 1979, 22, 21 (*synth*)

Sterzycki, R.Z. et al, *J. Med. Chem.*, 1990, 33, 2150 (*synth, pmr, cmr*)

2-Deoxy-2-fluoroarabinopyranosyl fluoride

D-1-00017

C₅H₈F₂O₃ M 154.1**β-D-form**

Di-Ac: [30591-80-1].

C₉H₁₂F₂O₅ M 238.1 Cryst.(Et₂O/petrol). Mp 75-76°. Bp_{0.5} 72-76°(bath). [α]_D²² -191.6 (c, 1.0 in CHCl₃), [α]_D²³ -176 (c, 0.4 in CHCl₃).Dwek, R.A. et al, *Tet. Lett.*, 1970, 2987 (*synth*)

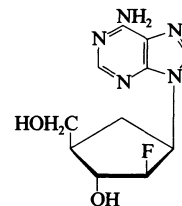
Albano, E.L. et al, *Carbohydr. Res.*, 1971, 19, 63 (*di-Ac, pmr*)

Kent, P.W. et al, *Tetrahedron*, 1971, 27, 3887 (*di-Ac, pmr, F-19 nmr*)

2'-Deoxy-2'-fluoro-ara-
aristeromycin

D-1-00018

Carbocyclic 2'-ara-fluoroadenosine

C₁₁H₁₄FN₅O₂ M 267.2

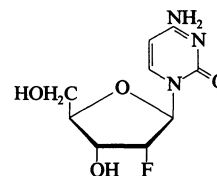
Powerful antiviral agent. Displays potent antiherpes activity *in vitro* and *in vivo*. Mp 109-113°. [α]_D²² +81 (H₂O).

Biggadike, K. et al, *Chem. Comm.*, 1988, 898 (*synth*)

2'-Deoxy-2'-fluorocytidine, 9CI

D-1-00019

[10212-20-1]

C₉H₁₂FN₃O₄ M 245.2

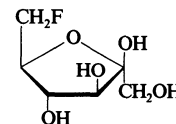
Needles (H₂O). Mp 171-173°. [α]_D²⁶ +87 (c, 0.1 in H₂O).

Doerr, I.L. et al, *J.O.C.*, 1967, 32, 1462 (*synth, uv*)

Kawasaki, A.M. et al, *J. Med. Chem.*, 1993, 36, 831 (*synth, pmr, cmr*)

6-Deoxy-6-fluorofructose

D-1-00020

C₆H₁₁FO₅ M 182.1**β-D-Furanose-form** [99281-35-3]

Syrup.

2,3-O-Isopropylidene, 1-tosyl: [83031-99-6].

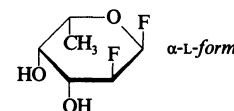
Cryst. (MeOH). Mp 124-125°. [α]_D²⁵ +15.5 (CHCl₃).

Guthrie, R.D. et al, *Aust. J. Chem.*, 1982, 35, 1003 (*isopropylidene, pmr*)

Card, P.J. et al, *J.A.C.S.*, 1986, 108, 158 (β-D-fur)

2-Deoxy-2-fluorofucopyranosyl fluoride

D-1-00021

C₆H₁₀F₂O₃ M 168.1**α-L-form** [84449-12-7]

Cryst. (Et₂O/petrol). Mp 120° dec. [α]_D²² -135 (c, 1.0 in MeOH).

Di-Ac: [74554-10-2].

$C_{10}H_{14}F_2O_5$ M 252.2 Cryst. Mp 46.5-49° (46°). $[\alpha]_D^{22} - 187.6$ (–182) (c, 0.5 in $CHCl_3$).

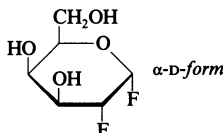
 β -L-form

Di-Ac: [84449-11-6].

Cryst. (Et_2O /petrol). Mp 85-86°. $[\alpha]_D^{22} - 110$ (c, 0.1 in $CHCl_3$).

Butchard, C.G. *et al*, *Tet. Lett.*, 1979, **35**, 2551 (*di-Ac*)

Korytnyk, W. *et al*, *Tetrahedron*, 1982, **38**, 2547 (*synth*, *pmr*, *F-19 nmr*)

2-Deoxy-2-fluorogalactopyranosyl fluoride

$C_6H_{10}F_2O_4$ M 184.1

 α -D-form

$C_6H_{10}F_2O_4$ M 184.1

Cryst. (Et_2O , 2-propanol). Mp 163°. $[\alpha]_D^{22} + 105$ (c, 1.0 in MeOH).

Tri-Ac: [28876-43-9].

$C_{12}H_{16}F_2O_7$ M 310.2 Cryst. (Et_2O /petrol). Mp 71-72° (68-70°). $[\alpha]_D + 148.5$ (c, 1.0 in $CHCl_3$).

 β -D-form

Tri-Ac: [75414-44-7].

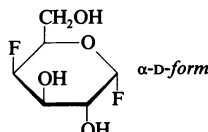
Needles (Et_2O /petrol). Mp 79.5-80°. $[\alpha]_D^{22} + 84.5$ (c, 1.0 in $CHCl_3$).

Adamson, J. *et al*, *Carbohydr. Res.*, 1970, **13**, 314; 1972, **22**, 257 (*tri-Ac*, *pmr*)

Dwek, R.A. *et al*, *Tet. Lett.*, 1970, 2987 (*tri-Ac*, *F-19 nmr*)

Korytnyk, W. *et al*, *Tetrahedron*, 1982, **38**, 2547 (*synth*, *pmr*)

Diksic, M. *et al*, *J. Carbohydr. Chem.*, 1985, **4**, 265 (*synth*, *F-19 nmr*)

4-Deoxy-4-fluorogalactopyranosyl fluoride

$C_6H_{10}F_2O_4$ M 184.1

 α -D-form

Tri-Ac: [40010-23-9].

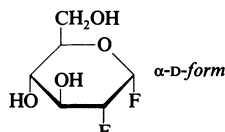
$C_{12}H_{16}F_2O_7$ M 310.2 Cryst. (Et_2O /petrol). Mp 92-93°. $[\alpha]_D + 112$ (c, 1.0 in $CHCl_3$).

 β -D-form

Tri-Ac: [40010-24-0].

Cryst. (Et_2O /petrol). Mp 88-89°. $[\alpha]_D + 11$ (c, 1.0 in $CHCl_3$).

Foster, A.B. *et al*, *Carbohydr. Res.*, 1972, **25**, 228 (*tri-Ac*, *pmr*)

2-Deoxy-2-fluoroglucopyranosyl fluoride

$C_6H_{10}F_2O_4$ M 184.1

 α -D-form [75414-45-8]

Syrup. $[\alpha]_D^{20} + 91.7$ (c, 2.0 in MeOH).

Tri-Ac: [24679-90-1].

$C_{12}H_{16}F_2O_7$ M 310.2 Cryst. (Et_2O /petrol). Mp 91-92° (69-70°). $[\alpha]_D^{20} + 135$ (c, 1.0 in $CHCl_3$).

 β -D-form [103960-04-9]

Tri-Ac: [29069-93-0].

Cryst. (Et_2O /petrol). Mp 104-105° (99-101°). $[\alpha]_D^{20} + 82$ (c, 1.0 in $CDCl_3$) (+75).

Adamson, J. *et al*, *Carbohydr. Res.*, 1970, **15**, 351 (*α -tri-Ac*, *pmr*)

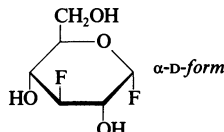
Hall, L.D. *et al*, *Can. J. Chem.*, 1971, **49**, 118 (*β -tri-Ac*, *F-19 nmr*, *pmr*)

Ido, T. *et al*, *J.O.C.*, 1977, **42**, 2341 (*α -tri-Ac*, *pmr*)

Korytnyk, W. *et al*, *Tetrahedron*, 1982, **38**, 2547 (*synth*, *α -form*)

Diksic, M. *et al*, *J. Carbohydr. Chem.*, 1985, **4**, 265 (*synth*, *F-19 nmr*)

Withers, S.G. *et al*, *J. Biol. Chem.*, 1988, **263**, 7929 (*F-19 nmr*)

3-Deoxy-3-fluoroglucopyranosyl fluoride

$C_6H_{10}F_2O_4$ M 184.1

 α -D-form

Cryst. (MeCN). Mp 232° dec. $[\alpha]_D^{22} + 99.8$ (c, 2.0 in MeOH).

Tri-Ac: [31505-09-6].

$C_{12}H_{16}F_2O_7$ M 310.2 Syrup. Bp_{0.1} 155-165° (bath). $[\alpha]_D^{23} + 76$ (c, 1.0 in $CHCl_3$).

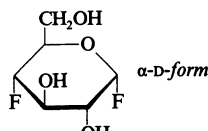
 β -D-form

Tri-Ac: [31505-10-9].

Cryst. ($EtOH$ /petrol). Mp 79.5-80°. $[\alpha]_D^{25} + 6$ (c, 1.0 in $CHCl_3$).

Hall, L.D. *et al*, *Can. J. Chem.*, 1971, **49**, 236 (*tri-Ac*, *pmr*, *F-19 nmr*)

Klemm, G.H. *et al*, *Tet. Lett.*, 1982, 2927 (*tri-Ac*, *pmr*)

4-Deoxy-4-fluoroglucopyranosyl fluoride

$C_6H_{10}F_2O_4$ M 184.1

D-1-00024 **α -D-form**

Tri-Ac: [33557-16-3].

$C_{12}H_{16}F_2O_7$ M 310.2 Syrup. Bp_{0.15} 145-155° (bath). $[\alpha]_D + 54$ (c, 1.0 in $CHCl_3$).

 β -D-form

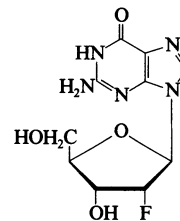
Tri-Ac: [33557-17-4].

Cryst. (Et_2O /petrol). $[\alpha]_D - 26$ (c, 1.0 in $CHCl_3$).

Barford, A.D. *et al*, *Carbohydr. Res.*, 1971, **19**, 49 (*tri-Ac*, *pmr*, *F-19 nmr*)

2'-Deoxy-2'-fluoroguanosine, 9CI

[78842-13-4]



$C_{10}H_{12}FN_5O_4$ M 285.2

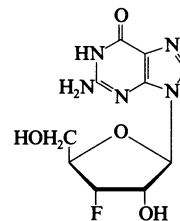
Needles (H_2O). Mp 240° dec.

Ikehara, M. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 3281 (*synth*, *uv*, *pmr*, *cmr*)

Kawasaki, A.M. *et al*, *J. Med. Chem.*, 1993, **36**, 831 (*synth*, *pmr*, *cmr*)

D-1-00025**3'-Deoxy-3'-fluoroguanosine, D-1-00028 9CI**

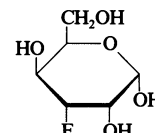
9-(3-Deoxy-3-fluoro- β -D-ribofuranosyl)guanine [123402-21-1]



$C_{10}H_{12}FN_5O_4$ M 285.2

Potent antiviral agent. Cryst. (H_2O). Mp 275-277°.

Puech, F. *et al*, *Chem. Comm.*, 1989, 955 (*synth*, *use*)

3-Deoxy-3-fluorogulose**D-1-00029**

$C_6H_{11}FO_5$ M 182.1

 α -D-Pyranose-form

Me glycoside: [32587-58-9]. *Methyl 3-deoxy-3-fluoro- α -D-gulopyranoside, 9CI*

$C_7H_{13}FO_5$ M 196.1 Cryst. Mp 123°. $[\alpha]_D^{28} + 146$ (c, 0.3 in MeOH).

Kent, P.W. *et al*, *Biochem. J.*, 1971, **121**, 10P (*Me gly*)

Kent, P.W. *et al*, *Tetrahedron*, 1971, **27**, 3887 (*Me gly*, *pmr*, *F-19 nmr*)

3-Deoxy-3-fluoroidose

D-1-00030

$C_{12}H_{16}F_2O_7$ M 310.2 Cryst.
(Et₂O/petrol). Mp 89-90°. $[\alpha]_D^{25} + 27$
(CHCl₃).

***β*-D-form**

Tri-Ac: [24679-92-3].
Mp 114-115° (109-111°). $[\alpha]_D - 2.5$
(CHCl₃).

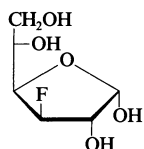
Hall, L.D. *et al*, *Can. J. Chem.*, 1971, **49**, 118
(*α*-*tri-Ac*, *pmr*, *F-19 nmr*)

Ido, T. *et al*, *J.O.C.*, 1977, **42**, 2341 (*β*-*tri-Ac*,
pmr)

Korytnyk, W. *et al*, *Tetrahedron*, 1982, **38**, 2547
(*β*-*tri-Ac*)

Diksic, M. *et al*, *J. Carbohydr. Chem.*, 1985, **4**,
265 (*synth*, *F-19 nmr*)

Withers, S.G. *et al*, *Can. J. Chem.*, 1986, **64**,
232 (*synth*, *conformn*, *pmr*, *cryst struct*)

*β*-L-Furanose-form

$C_6H_{11}FO_5$ M 182.1

***L*-form** [35520-88-8]

Syrup. $[\alpha]_D - 21$ (H₂O).

***β*-L-Furanose-form**

1,2-O-Isopropylidene: [35520-87-7].

$C_9H_{13}FO_5$ M 222.2 Cryst.
(Et₂O/hexane). Mp 105-106°.

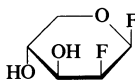
1,2-O-Isopropylidene, 6-benzoyl: [35521-30-3].

$C_{16}H_{19}FO_6$ M 326.3 Cryst.
(Et₂O/hexane). Mp 111-112°. $[\alpha]_D - 8.5$ (c,
1.0 in CHCl₃).

Brimacombe, J.S. *et al*, *Carbohydr. Res.*, 1972,
21, 297 (*derivs*, *pmr*, *F-19 nmr*)

2-Deoxy-2-fluoroxypyranosyl fluoride

D-1-00031



$C_5H_8F_2O_3$ M 154.1

***β*-D-form** [34050-69-6]

Cryst. (EtOH/Et₂O). Mp 114°. $[\alpha]_D^{24} - 142$
(c, 0.22 in EtOH).

Di-Ac: [30591-78-7].

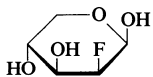
$C_9H_{12}F_2O_5$ M 238.1 Cryst. Mp 109-
111°. $[\alpha]_D^{25} - 114$ (c, 0.5 in CHCl₃).

Butchard, C.G. *et al*, *Tetrahedron*, 1971, **27**,
3457 (*synth*, *pmr*)

Kent, P.W. *et al*, *Tetrahedron*, 1971, **27**, 3887
(*di-Ac*, *pmr*, *F-19 nmr*)

2-Deoxy-2-fluorolixose

D-1-00032

*β*-D-Pyranose-form

$C_5H_9FO_4$ M 152.1

***D*-Pyranose-form** [33983-50-5]

Cryst. (EtOH). Mp 124-126°. $[\alpha]_D^{24} - 11.5$
(c, 0.56 in H₂O).

***β*-D-Pyranose-form**

Trifluoromethyl glycoside, di-Ac: [30591-79-8].

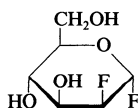
$C_{10}H_{12}F_4O_6$ M 304.1 Syrup. $[\alpha]_D^{24}$
 $- 120$ (c, 0.4 in CHCl₃).

Butchard, C.G. *et al*, *Tetrahedron*, 1971, **27**,
3457 (*synth*, *pmr*, *F-19 nmr*)

Kent, P.W. *et al*, *Tetrahedron*, 1971, **27**, 3887
(*deriv*, *pmr*, *F-19 nmr*)

2-Deoxy-2-fluoromannopyranosyl fluoride

D-1-00033

*α*-D-form

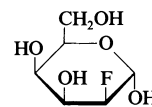
$C_6H_{10}F_2O_4$ M 184.1

***α*-D-form**

Tri-Ac: [29209-98-1].

2-Deoxy-2-fluorotalose

D-1-00037

*α*-D-Pyranose-form

$C_6H_{11}FO_5$ M 182.1

***α*-D-Pyranose-form** [98856-45-2]

Syrup.

***β*-D-Pyranose-form** [98856-46-3]

Syrup.

Trifluoromethyl glycoside, tri-Ac: [35526-12-
6].

$C_{13}H_{16}F_4O_8$ M 376.2 Bp_{0.15} 148-150°.
 $[\alpha]_D + 1.9$ (c, 3.0 in CHCl₃).

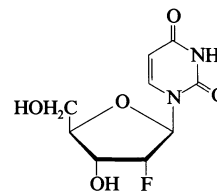
Adamson, J. *et al*, *Carbohydr. Res.*, 1972, **22**,
257 (*deriv*, *pmr*, *F-19 nmr*)

Diksic, M. *et al*, *J. Carbohydr. Chem.*, 1985, **4**,
265 (*synth*, *F-19 nmr*)

2'-Deoxy-2'-fluorouridine, 9CI

D-1-00038

[784-71-4]



$C_9H_{11}FN_2O_5$ M 246.1

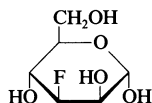
Cryst. (EtOH). Mp 150-151°. $[\alpha]_D^{20} + 52$ (c,
0.3 in H₂O).

Codington, J.F. *et al*, *J.O.C.*, 1964, **29**, 558
(*synth*)

Kawasaki, A.M. *et al*, *J. Med. Chem.*, 1993, **36**,
361 (*synth*, *pmr*, *cmr*)

3-Deoxy-3-fluoromannose

D-1-00034

*α*-D-Pyranose-form

$C_6H_{11}FO_5$ M 182.1

***D*-form** [87764-46-3]

Needles (EtOH). Mp 173-175°. $[\alpha]_D + 32$
 $\rightarrow + 23$ (c, 1.4 in H₂O).

Tetra-Ac: [88198-26-9].

$C_{14}H_{19}FO_9$ M 350.2 Cryst. Mp 116-
117°. $[\alpha]_D + 22$ (c, 1.4 in CHCl₃).

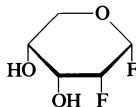
[86258-31-3, 86334-54-5]

Rasmussen, J.R. *et al*, *Carbohydr. Res.*, 1983,
116, 21 (*synth*, *cmr*)

Cerny, M. *et al*, *Coll. Czech. Chem. Comm.*,
1983, **48**, 2693 (*synth*, *tetra-Ac*, *pmr*, *F-19*
nmr)

2-Deoxy-2-fluororibopyranosyl fluoride

D-1-00035



$C_5H_8F_2O_3$ M 154.1

***α*-D-form**

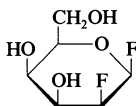
Di-Ac: [33557-18-5].

$C_9H_{12}F_2O_5$ M 238.1 Cryst. Mp 87-
88°. $[\alpha]_D^{22} + 82.8$ (c, 0.9 in CHCl₃).

Albano, E.L. *et al*, *Carbohydr. Res.*, 1971, **19**,
63 (*di-Ac*, *pmr*, *F-19 nmr*)

2-Deoxy-2-fluorotalopyranosyl fluoride

D-1-00036



$C_6H_{10}F_2O_4$ M 184.1

***β*-D-form**

Tri-Ac: [35526-13-7].

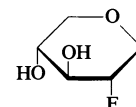
$C_{12}H_{16}F_2O_7$ M 310.2 Syrup. Bp_{0.17}
168-170°. $[\alpha]_D + 19$ (CHCl₃).

Adamson, J. *et al*, *Carbohydr. Res.*, 1972, **22**,
257 (*tri-Ac*)

Korytnyk, W. *et al*, *Tetrahedron*, 1982, **38**, 2547
(*tri-Ac*, *pmr*)

2-Deoxy-2-fluoroxypyranosyl fluoride

D-1-00039



$C_5H_8F_2O_3$ M 154.1

***α*-D-form**

Di-Ac: [30591-82-3].

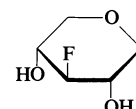
$C_9H_{12}F_2O_5$ M 238.1 Syrup.

Dwek, R.A. *et al*, *Tet. Lett.*, 1970, 2987 (*di-Ac*,
F-19 nmr)

Kent, P.W. *et al*, *Tetrahedron*, 1971, **27**, 3887
(*di-Ac*, *config*, *F-19 nmr*)

3-Deoxy-3-fluoroxypyranosyl fluoride

D-1-00040



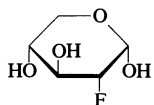
$C_5H_8F_2O_3$ M 154.1

***β*-D-form**

Di-Ac: [31505-11-0].

$C_9H_{12}F_2O_5$ M 238.1 Cryst.
(CHCl₃/petrol). Mp 58°. $[\alpha]_D^{20} - 67$ (c, 1.0
in CHCl₃).

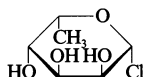
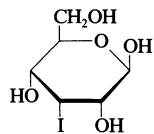
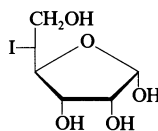
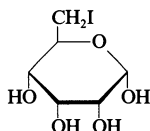
Hall, L.D. *et al*, *Can. J. Chem.*, 1971, **49**, 236
(*di-Ac*, *F-19 nmr*, *pmr*)

2-Deoxy-2-fluoroxyllose **D-1-00041** α -D-Pyranose-form $C_5H_9FO_4$ M 152.1 **β -D-Form** [28867-50-7]Syrup. $[\alpha]_D^{23} + 69$ (15 min.) $\rightarrow +32$ (1h) (c, 0.9 in EtOH). **α -D-Pyranose-form** [129939-84-0]*Trifluoromethyl glycoside, di-Ac*: [30591-83-4]. $C_{10}H_{12}F_4O_6$ M 304.1 Cryst. (Et₂O/petrol). Mp 150°. $[\alpha]_D^{24} + 130$ (c, 0.37 in CHCl₃). **β -D-Pyranose-form** [129939-83-9]

Syrup.

 β -D-Furanose-form*Me glycoside*: [28867-49-4]. $C_6H_{11}FO_4$ M 166.1 Oil. $[\alpha]_D^{23} - 102$ (c, 1.4 in EtOH).*Me glycoside, 3-benzoyl, 5-benzyl*: [28867-51-8]. $C_{20}H_{21}FO_5$ M 360.3 Syrup. $[\alpha]_D^{23} - 63$ (c, 1.2 in EtOH).*Me glycoside, 5-benzyl*: [28867-48-3]. $C_{13}H_{17}FO_4$ M 256.2 Pale yellow syrup. $[\alpha]_D^{23} - 42$ (c, 0.9 in EtOH).Wright, J.A. *et al*, *Carbohydr. Res.*, 1970, **13**,297 (D-form, β -Me fur, β -Me fur derivs, pmr)Kent, P.W. *et al*, *Tetrahedron*, 1971, **27**, 3457,3887 (α -D-pyr deriv, pmr, F-19 nmr)Bols, M. *et al*, *Acta Chem. Scand.*, 1990, **44**, 252

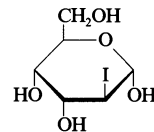
(synth, pmr)

6-Deoxygulopyranosyl chloride **D-1-00042** $C_6H_{11}ClO_4$ M 182.6 **β -L-Form***2,3-O-Isopropylidene, 4-Me*: [65904-40-7]. $C_{10}H_{17}ClO_4$ M 236.6 Oil. Bp_{0.015} 65°. $[\alpha]_D^{23} + 45.3$ (c, 1.23 in CHCl₃).Ireland, R.E. *et al*, *J.O.C.*, 1978, **43**, 786; 1980, **45**, 48 (*isopropylidene deriv*, pmr)**3-Deoxy-3-iodoaltrose** **D-1-00043** β -D-Pyranose-form $C_6H_{11}IO_5$ M 290.0 **β -D-Pyranose-form***Me glycoside, 4,6-O-benzylidene*: [117605-32-0]. $C_{14}H_{17}IO_5$ M 392.1 Cryst. Mp 151-152°. $[\alpha]_D^{22} + 1.62$ (c, 2.22 in CHCl₃).*Me glycoside, 4,6-O-(4-methoxybenzylidene)*: [117605-33-1].Syrup. $[\alpha]_D^{22} - 27$ (c, 0.89 in CHCl₃). **α -D-Furanose-form***1,2-O-Isopropylidene*: [114192-72-2]. $C_9H_{15}IO_5$ M 330.1 Oil.*1,2-O-Isopropylidene, 5,6-dimesyl*: [114192-73-3]. $C_{11}H_{19}IO_5S_2$ M 486.3 Cryst. (EtOAc/petrol). Mp 146°. $[\alpha]_D + 69$ (c, 0.7 in CHCl₃).*1,2:5,6-Di-O-isopropylidene*: [67337-61-5]. $C_{12}H_{19}IO_5$ M 370.1 Mp 55-56°. $[\alpha]_D^{22} + 64$ (c, 2.0 in CHCl₃), $[\alpha]_D + 79.5$ (c, 0.6 in C₆H₆).Kunz, H. *et al*, *Annalen*, 1982, 1245(*diisopropylidene*)Gurjar, M.K. *et al*, *Carbohydr. Res.*, 1987, **165**,313 (*dimesyl*)Classon, B. *et al*, *J.O.C.*, 1988, **53**, 6126 (β -Me*gly deriv*, pmr, cmr)Russell, R.N. *et al*, *Carbohydr. Res.*, 1990, **201**,95 (*diisopropylidene*, pmr, cmr)Marco-Contelles, J.L. *et al*, *Synlett*, 1990, 167(*isopropylidene*)**5-Deoxy-5-iodoaltrose** **D-1-00044** $C_6H_{11}IO_5$ M 290.0 **α -D-Furanose-form***1,2-O-Isopropylidene, 3,6-dibenzoyl*: [55085-26-2]. $C_{22}H_{23}IO_7$ M 538.3 Cryst. (EtOH).Mp 65-67°. $[\alpha]_D^{20} + 60$ (c, 0.3 in CH₂Cl₂).Serge, D. *et al*, *C. R. Hebd. Seances Acad. Sci.**Ser. C*, 1974, **279**, 651 (*isopropylidene deriv*)Serge, D. *et al*, *Carbohydr. Res.*, 1979, **77**, 79(*isopropylidene deriv*)**6-Deoxy-6-iodoaltrose** **D-1-00045** α -D-Pyranose-form $C_6H_{11}IO_5$ M 290.0 **α -D-Pyranose-form***Me glycoside*: [56571-02-9]. *Methyl 6-deoxy-6-iodo- α -D-allopyranoside* $C_7H_{13}IO_5$ M 304.0 Cryst.(EtOAc/hexane). Mp 81°. $[\alpha]_D^{22} + 85.3$ (c, 1.75 in CHCl₃).*Me glycoside, tri-Ac*: [56570-98-0]. $C_{13}H_{19}IO_8$ M 430.1 Cryst.(Et₂O/hexane). Mp 75°. $[\alpha]_D^{22} + 72.2$ (c, 1.4 in CHCl₃).*Me glycoside, 2,3-dibenzoyl, 4-Ac*: [109681-64-3]. $C_{22}H_{23}IO_8$ M 554.3 Amorph. powder. $[\alpha]_D^{22} + 46.3$ (c, 1.31 in CHCl₃).*Me glycoside, 3-(tetrahydropyran-2-yl), 2-Ac*:

[107599-43-9].

Oil. $[\alpha]_D^{20} + 34.7$ (c, 3.0 in CHCl₃). **β -D-Pyranose-form***Me glycoside*: [56571-03-0]. *Methyl 6-deoxy-6-iodo- β -D-allopyranoside* $C_7H_{13}IO_5$ M 304.0 Cryst.(EtOAc/MeOH). Mp 72°. $[\alpha]_D^{22} - 38.8$ (c, 2.0 in CH₃OH).*Me glycoside, tri-Ac*: [56570-99-1].Cryst. (hexane). Mp 85°. $[\alpha]_D^{22} - 33.8$ (c,1.0 in CHCl₃).

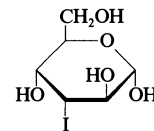
[114925-88-1, 114925-89-2]

Lehmann, J. *et al*, *Carbohydr. Res.*, 1975, **42**,275 (α -Me gly, β -Me gly, tri-Ac)Mori, M. *et al*, *Chem. Pharm. Bull.*, 1986, **34**,4037 (*4-Ac deriv*, ir, pmr)Nicolaou, K.C. *et al*, *J.A.C.S.*, 1987, **109**, 2821;1988, **110**, 4696 (*tetrahydropyranyl*, ir, pmr)**2-Deoxy-2-iodoaltrose** **D-1-00046** α -D-Pyranose-form $C_6H_{11}IO_5$ M 290.0 **α -D-Pyranose-form***Me glycoside*: [71019-18-6]. $C_7H_{13}IO_5$ M 304.0 Needles (Me₂CO).Mp 134° dec. $[\alpha]_D^{22} + 44$ (c, 1.0 in H₂O).

Unstable to heat and light.

Me glycoside, tri-Ac: [106023-34-1]. $C_{13}H_{19}IO_8$ M 430.1 Oil. $[\alpha]_D^{20} + 21.7$ (c, 2.0 in CHCl₃).*Me glycoside, 3,4-O-benzylidene (R)*: [35775-00-9]. $C_{14}H_{17}IO_5$ M 392.1 Syrup.*Me glycoside, 3,4-O-benzylidene (S)*: [35775-04-3]. $C_{14}H_{17}IO_5$ M 392.1 Cryst. (petrol).Mp 100°. $[\alpha]_D^{20} + 35$ (c, 1.0 in CHCl₃).*Me glycoside, 4,6-O-benzylidene*: [14125-73-6]. $C_{14}H_{17}IO_5$ M 392.1 Cryst.(Et₂O/hexane or EtOH). Mp 105-106°. $[\alpha]_D^{20} + 41$ (c, 1.5 in CHCl₃), $[\alpha]_D^{25} + 35$ (c,2.0 in CHCl₃). **β -D-Pyranose-form***Me glycoside, 4,6-O-benzylidene*: [18968-73-5].Cryst. (EtOH). Mp 175-176°. $[\alpha]_D^{25} - 91$ (c,2.8 in CHCl₃).*Me glycoside, 4,6-O-benzylidene, 3-Ac*:

[18968-74-6].

 $C_{16}H_{19}IO_6$ M 434.2 Needles. Mp 123-123.5°. $[\alpha]_D^{25} - 109$ (c, 3.0 in CHCl₃).Lemieux, R.U. *et al*, *Can. J. Chem.*, 1968, **46**,61 (α -Me gly deriv, β -Me gly deriv)Inch, T.D. *et al*, *Carbohydr. Res.*, 1972, **21**, 37(*3,4-benzylidene*)Guthrie, R.D. *et al*, *Carbohydr. Res.*, 1979, **72**,285 (α -Me gly)Furstner, A. *et al*, *J.O.C.*, 1989, **54**, 2307 (*4,6-**benzylidene*, pmr)**3-Deoxy-3-iodoaltrose** **D-1-00047** $C_6H_{11}IO_5$ M 290.0 **α -D-Pyranose-form***Me glycoside, 4,6-O-benzylidene*: [56981-10-3]. $C_{14}H_{17}IO_5$ M 392.1 Rods (EtOAc).Mp 163.5-164.5°. $[\alpha]_D^{23} + 117$ (+111) (c,4.0 in CHCl₃).

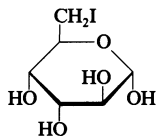
Me glycoside, 4,6-O-benzylidene, 2-tosyl: Cryst. (EtOH). Mp 128-129°. $[\alpha]_D^{23} + 46.4$ (CHCl₃) (+37.5). Unstable at r.t., dec. to a dark tar.

Richards, G.N. *et al*, *J.C.S.*, 1954, 4511; 1956, 496 (*benzylidene*)

Lemieux, R.U. *et al*, *Can. J. Chem.*, 1968, 46, 61 (*2-tosyl*)

Hicks, D.R. *et al*, *Can. J. Chem.*, 1975, 53, 2017 (*benzylidene*)

6-Deoxy-6-iodoaltrose D-1-00048



C₆H₁₁IO₅ M 290.0

α -D-Pyranose-form

Me glycoside:

C₇H₁₃IO₅ M 304.0 Cryst. Mp 105-106°. $[\alpha]_D + 91.4$ (CHCl₃).

Me glycoside, tribenzoyl:

C₂₈H₂₅IO₈ M 616.4 Cryst. Mp 143-145°. $[\alpha]_D + 2.5$ (CHCl₃).

Me glycoside, 2,3-dibenzyl: [118068-39-6].

C₂₁H₂₅IO₅ M 484.3 Syrup. $[\alpha]_D^{27} + 51$ (c, 1.0 in CHCl₃).

Me glycoside, 2,3-dibenzyl, 4-Ac: [127213-05-2].

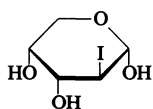
C₂₃H₂₇IO₆ M 526.3 Syrup. $[\alpha]_D^{27} + 21$ (c, 0.25 in CHCl₃).

Rosenfeld, D.A. *et al*, *J.A.C.S.*, 1948, 70, 2204 (*Me gly*)

Noritaka, C. *et al*, *Bull. Chem. Soc. Jpn.*, 1991, 64, 2118 (*4-Ac, pmr, ir*)

Chida, N. *et al*, *J.O.C.*, 1991, 56, 2976 (*dibenzyl, ir, pmr*)

2-Deoxy-2-iodoarabinose D-1-00049



α -D-Pyranose-form

C₅H₉IO₄ M 260.0

α -D-Pyranose-form

Me glycoside, 3,4-di-Ac: [131337-13-8].

C₁₆H₁₅IO₆ M 358.1 Cryst. (Et₂O/hexane). Mp 100-101°. $[\alpha]_D^{20} - 51.2$ (c, 1.0 in CHCl₃).

α -L-Pyranose-form

Me glycoside, 3,4-di-Ac: [26528-48-3].

C₁₀H₁₅IO₆ M 358.1 Cryst. (Et₂O/petrol). Mp 100-101.5°.

β -L-Pyranose-form

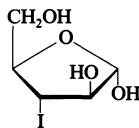
Me glycoside, 4-benzoyl: [26528-17-6].

C₁₃H₁₅IO₅ M 378.1 Cryst. (EtOH). Mp 96-97°. $[\alpha]_D^{25} + 144$ (c, 2.32 in CHCl₃).

Lemieux, R.U. *et al*, *Can. J. Chem.*, 1969, 47, 4413, 4427 (α -L-Me gly deriv, β -L-Me gly deriv, pmr)

Horton, D. *et al*, *Carbohydr. Res.*, 1990, 205, 71 (α -D-Me gly deriv, pmr)

3-Deoxy-3-iodoarabinose D-1-00050



C₅H₉IO₄ M 260.0

α -D-Furanose-form

Me glycoside, 5-benzoyl: [26532-12-7].

C₁₃H₁₅IO₅ M 378.1 Syrup. $[\alpha]_D^{25} + 73.1$ (c, 1.58 in CHCl₃).

Me glycoside, 5-(4-nitrobenzoyl): [53081-37-1].

Pale yellow needles (Et₂O/petrol). Mp 101-102°. $[\alpha]_D^{22} + 79.5$ (c, 1.0 in CHCl₃).

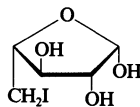
Me glycoside, 2,5-bis-(4-nitrobenzoyl): [53081-38-2].

Pale yellow needles (CH₂Cl₂/hexane). Mp 185°. $[\alpha]_D^{22} - 1.09$ (c, 1.0 in CH₂Cl₂).

Lemieux, R.U. *et al*, *Can. J. Chem.*, 1969, 47, 4413 (*benzoyl*)

El Khadem, H.S. *et al*, *Carbohydr. Res.*, 1974, 33, 329 (*nitrobenzoyl, ir, pmr*)

5-Deoxy-5-iodoarabinose D-1-00051



β -L-Furanose-form

C₅H₉IO₄ M 260.0

L-form

Ethylene dithioacetal, 2,3,4-tri-Ac: [17073-62-0].

C₁₃H₁₉IO₆S₂ M 462.3 Cryst. (EtOH). Mp 110-110.5°.

β -L-Furanose-form

1,2-O-Isopropylidene: [84936-06-1].

C₉H₁₃IO₄ M 300.0 Needles (EtOAc/petrol). Mp 66-67°. $[\alpha]_D^{27} + 6.86$ (CHCl₃).

1,2-O-Isopropylidene, 3-Ac: [20853-30-9].

C₁₀H₁₅IO₅ M 342.1 Syrup.

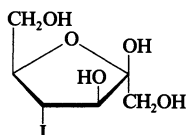
Levene, P.A. *et al*, *J. Biol. Chem.*, 1936, 116, 189 (β -L-fur deriv)

Fernandez-Bolanos, J. *et al*, *An. R. Soc. Esp. Fis. Quim., Ser. B*, 1966, 62, 1069; *CA*, 67, 82339n (*dithioacetal*)

Hough, L. *et al*, *Adv. Chem. Ser.*, 1968, 120; *CA*, 69, 97035a (β -L-fur deriv)

Binkley, R.W. *et al*, *J. Carbohydr. Chem.*, 1982, 1, 213 (β -L-fur deriv)

4-Deoxy-4-iodofructose D-1-00052



C₆H₁₁IO₅ M 290.0

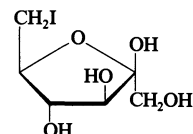
β -D-Furanose-form

Me glycoside, tri-Ac: [82078-04-4].

C₁₃H₁₉IO₈ M 430.1 Syrup. $[\alpha]_D - 52$ (c, 1.0 in CHCl₃).

Guthrie, R.D. *et al*, *Carbohydr. Res.*, 1982, 103, 1 (*tri-Ac, cmr*)

6-Deoxy-6-iodofructose D-1-00053



β -D-Furanose-form

C₆H₁₁IO₅ M 290.0

β -D-Furanose-form

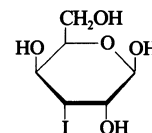
2,3-O-Isopropylidene, 1-tosyl: [83032-12-6].

Cryst. (CHCl₃/hexane). Mp 124-125°. $[\alpha]_D^{25} + 5.6$ (CHCl₃), $[\alpha]_D + 7.5$ (c, 3.2 in MeOH).

Morgan, W.T.J. *et al*, *Helv. Chim. Acta*, 1938, 21, 1023 (*deriv*)

Guthrie, R.D. *et al*, *Aust. J. Chem.*, 1982, 35, 1003 (*deriv, pmr*)

3-Deoxy-3-iodogulose D-1-00054



C₆H₁₁IO₅ M 290.0

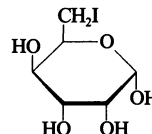
β -D-Pyranose-form

Me glycoside, tribenzoyl: [124314-31-4].

C₂₈H₂₅IO₈ M 616.4 Glass. $[\alpha]_D^{25} + 61$ (c, 0.6 in CHCl₃).

Lin, T.-H. *et al*, *Carbohydr. Res.*, 1989, 188, 228 (*tribenzoyl, cmr*)

6-Deoxy-6-iodogulose D-1-00055



C₆H₁₁IO₅ M 290.0

α -D-Pyranose-form

Me glycoside, 3-benzyl, 2-tosyl: [96691-86-0].

C₂₁H₂₅IO₇S M 548.3 Syrup. $[\alpha]_D + 143$ (c, 1.0 in CHCl₃).

Me glycoside, 3-benzyl, 4-benzoyl, 2-tosyl: [96691-87-1].

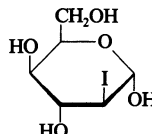
C₂₈H₂₉IO₈S M 652.5 Syrup. $[\alpha]_D + 54$ (c, 1.0 in CHCl₃).

Me glycoside, 3,4-dibenzyl, 2-tosyl: [96691-88-2].

C₂₈H₃₁IO₇S M 638.5 Syrup. $[\alpha]_D + 25$ (CHCl₃).

Ferrier, R.J. *et al*, *J.C.S. Perkin 1*, 1985, 301 (*Me gly deriv, pmr*)

2-Deoxy-2-iodoidose D-1-00056



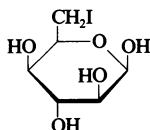
C₆H₁₁IO₅ M 290.0

α -D-Pyranose-form

Me glycoside, 4,6-O-benzylidene: [18968-77-9].

C₁₄H₁₇IO₅ M 392.1 Needles (EtOH). Mp 162-163°. $[\alpha]_D^{25} + 28$ (c, 1.2 in CHCl₃).

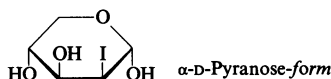
Me glycoside, 4,6-O-benzylidene, 3-Ac:
[18968-82-6].
 $C_{16}H_{19}IO_6$ M 434.2 Cubes. Mp 174-175°. $[\alpha]_D^{25} - 28$ (c, 2.4 in $CHCl_3$).
Lemieux, R.U. *et al*, *Can. J. Chem.*, 1968, **46**, 61 (*Me gly deriv*)

6-Deoxy-6-iodoiodose D-1-00057

$C_6H_{11}IO_5$ M 290.0

 β -D-Pyranose-form

Me glycoside, 3-Me, 2,4-ditosyl:
 $C_{22}H_{27}IO_9S_2$ M 626.4 Syrup.
Fischer, R. *et al*, *Helv. Chim. Acta*, 1954, **37**, 6 (*Me gly deriv*)

2-Deoxy-2-iodoloxose D-1-00058

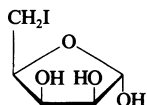
$C_5H_9IO_4$ M 260.0

 α -D-Pyranose-form

Me glycoside, di-Ac: [51385-07-0].
 $C_{10}H_{15}IO_6$ M 358.1 Cryst. Mp 116°. $[\alpha]_D^{25} - 17$ (c, 1.65 in $CHCl_3$). Dec. when stored at r.t.

 α -L-Pyranose-form

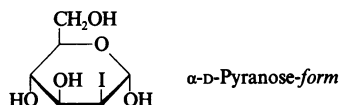
Me glycoside, di-Ac: [131267-50-0].
Cryst. (Et_2O /hexane). Mp 115-117°. $[\alpha]_D^{20} + 14.9$ (c, 1.0 in $CHCl_3$).
Van Es, T., *J. S. Afr. Chem. Inst.*, 1973, **26**, 152 (*D-Me gly deriv, pmr*)
Horton, D. *et al*, *Carbohydr. Res.*, 1990, **205**, 71 (*L-Me gly deriv, pmr*)

5-Deoxy-5-iodoloxose D-1-00059

$C_5H_9IO_4$ M 260.0

 α -D-Furanose-form

Me glycoside, 2,3-O-isopropylidene: [63087-96-7].
 $C_9H_{13}IO_4$ M 314.1 Oil. $[\alpha]_D^{20} + 75.4$ (c, 9.0 in CH_2Cl_2), $[\alpha]_D^{24} + 72.6$ (c, 2.88 in MeOH).
Fuersther, A. *et al*, *J.O.C.*, 1991, **56**, 2213 (*Me gly deriv, pmr*)

2-Deoxy-2-iodomannose D-1-00060

$C_6H_{11}IO_5$ M 290.0

D-form

Syrup.

 α -D-Pyranose-form

3,4,6-Tri-Ac: [53008-86-9].

$C_{12}H_{17}IO_8$ M 416.1 Syrup. $[\alpha]_D^{35} - 18.8$ (c, 1.4 in $CHCl_3$).

1-Benzoyl, 3,4,6-tri-Ac: [20846-99-5].
 $C_{19}H_{21}IO_9$ M 520.2 Cryst. Mp 160-161°. $[\alpha]_D + 45.3$ (c, 2.0 in $CHCl_3$).

Me glycoside: [10226-88-7]. *Methyl 2-deoxy-2-iodo- α -D-mannopyranoside*
 $C_7H_{13}IO_5$ M 304.0 Cryst. Mp 145-146°. $[\alpha]_D + 49.2$ (c, 1.0 in MeOH).

Me glycoside, tri-Ac: [20701-50-2].
 $C_{13}H_{19}IO_8$ M 430.1 Syrup. $[\alpha]_D + 44.9$ ($CHCl_3$).

 β -D-Pyranose-form

Me glycoside: [53008-76-7]. *Methyl 2-deoxy-2-iodo- β -D-mannopyranoside*
 $C_7H_{13}IO_5$ M 304.0 Needles (MeOH/ Et_2O). Mp 147-148°. $[\alpha]_D^{28} - 6.3$ (c, 0.7 in MeOH).

Me glycoside, tri-Ac: [53008-74-5].
Cryst. (Et_2O /hexane). Mp 118-118.5°. $[\alpha]_D^{27} - 97.8$ (c, 1.9 in $CHCl_3$).

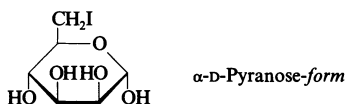
Lemieux, R.U. *et al*, *Can. J. Chem.*, 1962, **40**, 1926 (*α -Me gly*)

Hall, L.D. *et al*, *Can. J. Chem.*, 1969, **47**, 361 (*1-benzoyl*)

Honda, S. *et al*, *Carbohydr. Res.*, 1974, **34**, 45

(*D-form, α -tri-Ac, α -Me gly, β -Me gly*)

Horton, D. *et al*, *Carbohydr. Res.*, 1990, **205**, 71 (*α -tri-Ac*)

6-Deoxy-6-iodomannose D-1-00061

$C_6H_{11}IO_5$ M 290.0

 α -D-Pyranose-form

Me glycoside: [52290-43-4]. *Methyl 6-deoxy-6-iodo- α -D-mannopyranoside*
 $C_7H_{13}IO_5$ M 304.0 Cryst. Mp 120-122°. $[\alpha]_D + 55$ (H_2O).

Me glycoside, tri-Ac: [50692-55-2].
 $C_{13}H_{19}IO_8$ M 430.1 Cryst. ($EtOH$).
Mp 91-92°. $[\alpha]_D^{22} + 48$ (c, 1.2 in $CHCl_3$).

Me glycoside, 2,3-dimesyl: [118360-72-8].
 $C_9H_{17}IO_9S_2$ M 460.2 Amorph. solid.
 $[\alpha]_D^{31} + 29$ (c, 0.6 in $CHCl_3$).

Me glycoside, 2,3-O-isopropylidene: [22932-34-9].

$C_{10}H_{17}IO_5$ M 344.1 Cryst. Mp 111-112° (109-110°). $[\alpha]_D^{25} + 44.2$ (c, 1.0 in MeOH), $[\alpha]_D^{20} + 46$ (c, 1.3 in $CHCl_3$).

Me glycoside, 2,3-O-isopropylidene, 4-benzoyl: [122805-35-0].
 $C_{17}H_{21}IO_6$ M 448.2 Cryst. ($EtOH$).
Mp 159-161°. $[\alpha]_D^{22} + 10.5$ (c, 1.85 in $CHCl_3$).

Me glycoside, 2,3-O-isopropylidene, 4-mesyl: [22932-31-6].
 $C_{11}H_{19}IO_7S$ M 422.2 Cryst. Mp 84.5-85°. Subl. 80° (bath). $[\alpha]_D^{23} + 23.9$ (c, 1.03 in $CHCl_3$).

Me glycoside, 2,3-O-isopropylidene, 4-brosyl: [22932-33-8].

$C_{16}H_{20}BrIO_7S$ M 563.2 Needles ($EtOH$ / Et_2O). Mp 86-87.5°. $[\alpha]_D^{24} + 2.4$ (c, 1.0 in MeOH).

 β -D-Pyranose-form

Me glycoside: [56571-01-8]. *Methyl 6-deoxy-6-iodo- β -D-mannopyranoside*
 $C_7H_{13}IO_5$ M 304.0 Cryst. ($EtOAc$).
Mp 127°. $[\alpha]_D^{22} - 26.2$ (c, 1.9 in MeOH).

Me glycoside, tri-Ac: [56570-97-9].
Cryst. (Et_2O /hexane). Mp 120°. $[\alpha]_D^{22} - 16$ (c, 1.0 in $CHCl_3$).

Lehmann, J. *et al*, *J.A.C.S.*, 1964, **86**, 4496 (*α -Me pyr*)

Stevens, C.L. *et al*, *J.O.C.*, 1970, **35**, 592 (*isopropylidene, 4-mesyl, 4-brosyl*)

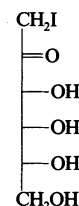
Lehmann, J. *et al*, *Carbohydr. Res.*, 1975, **42**, 275 (*β -Me pyr deriv*)

Tatsuta, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1988, **61**, 2525 (*dimesyl*)

Bundle, D.R. *et al*, *Carbohydr. Res.*, 1988, **174**, 239 (*isopropylidene, pmr*)

Classon, B. *et al*, *J.O.C.*, 1988, **53**, 6126 (*tri-Ac*)

Tsvetkov, Y.E. *et al*, *Biorg. Khim.*, 1989, **15**, 231; *Sov. J. Biorg. Chem. (Engl. Transl.)*, 1989, **15**, 126 (*4-benzoyl, pmr*)

1-Deoxy-1-iodopsicose D-1-00062

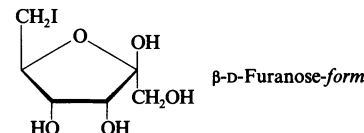
$C_6H_{11}IO_5$ M 290.0

D-form**Tetra-Ac:**

$C_{14}H_{19}IO_9$ M 458.2 Cryst. Mp 64-65°. $[\alpha]_D + 6.8$ ($CHCl_3$).

Wolfrom, M.L. *et al*, *J.A.C.S.*, 1945, **67**, 1793 (*tetra-Ac*)

Vanek, T. *et al*, *Coll. Czech. Chem. Comm.*, 1979, **44**, 1339 (*tetra-Ac*)

6-Deoxy-6-iodopsicose D-1-00063

$C_6H_{11}IO_5$ M 290.0

D-Furanose-form [58463-06-2]

Cryst. (Me_2CO / $CHCl_3$). Mp 80.5-81°. $[\alpha]_D^{23} + 14.6$ (c, 1 in H_2O).

Tetrabenzoyl: [58463-07-3].

$C_{34}H_{27}IO_9$ M 706.4 Foam.

Tetrakis(p-nitrobenzoyl): [58463-08-4].
Cryst. ($CHCl_3$ /hexane). Mp 173-174°.

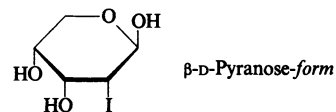
 β -D-Furanose-form

1,2:3,4-Di-O-isopropylidene: [38084-06-9].

$C_{12}H_{19}IO_5$ M 370.1 Cryst. (MeOH aq. or hexane). Mp 46-47° (44-44.5°). $[\alpha]_D^{23} - 74.3$ (c, 0.5 in $CHCl_3$).

James, K. *et al*, *Aust. J. Chem.*, 1972, **25**, 1967 (*diisopropylidene, pmr*)

Prisbe, E.J. *et al*, *J.O.C.*, 1976, **41**, 1836 (*synth, deriv, pmr, cmr*)

2-Deoxy-2-iodoribose D-1-00064

$C_5H_9IO_4$ M 260.0

 β -D-Pyranose-form

***β*-D-Pyranose-form**

Me glycoside, 3,4-di-Ac: [131267-52-2].

$C_{16}H_{15}IO_6$ M 358.1 Syrup. Bp_{0.04} 90°. $[\alpha]_D^{20} + 10.7$ (c, 1 in $CHCl_3$).

Me glycoside, 1-benzoyl, 3,4-di-Ac: [22854-36-0].
 $C_{16}H_{17}IO_7$ M 448.2 Cryst. Mp 129-130° (EtOH aq.). $[\alpha]_D^{27} - 26.5$ (c, 1.46 in $CHCl_3$).

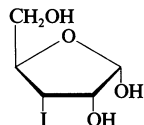
***β*-D-Furanose-form** [125155-50-2]

Syrup.

Hall, L.D. *et al*, *Can. J. Chem.*, 1969, **47**, 361 (*β*-pyr deriv)

Ilicheva, I.A. *et al*, *Bioorg. Khim.*, 1989, **15**, 800; *Sov. J. Bioorg. Chem. (Engl. Transl.)*, 1989, **15**, 428 (*conformn, anal*)

Horton, D. *et al*, *Carbohydr. Res.*, 1990, **205**, 71 (*β*-pyr deriv, pmr)

3-Deoxy-3-iodoribose**D-1-00065***α*-D-Furanose-form $C_5H_9IO_4$ M 260.0***α*-D-Furanose-form**

1,2-O-Isopropylidene, 5-methoxycarbonyl: [136317-52-7].

$C_{10}H_{15}IO_6$ M 358.1 Cryst. (hexane). Mp 106-106.5°.

***β*-L-Pyranose-form**

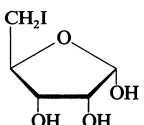
Me glycoside, 2,4-dibenzoyl:

$C_{20}H_{19}IO_6$ M 482.2 Leaflets (EtOH). Mp 143-144°. $[\alpha]_D^{25} + 55$ (c, 1.64 in $CHCl_3$).

Lemieux, R.U. *et al*, *Can. J. Chem.*, 1969, **47**, 4413 (*β*-pyr deriv)

Japan. Pat., 62 149 697, (1987); *CA*, **108**, 6351k (*deriv*)

Branchaud, B.P. *et al*, *Organometallics*, 1991, **10**, 3795 (*α*-fur deriv)

5-Deoxy-5-iodoribose**D-1-00066***α*-D-Furanose-form $C_5H_9IO_4$ M 260.0***α*-D-Furanose-form**

1,2-O-Isopropylidene: [84258-15-1].

$C_8H_{13}IO_4$ M 300.0 Cryst. (EtOAc/hexane). Mp 84-85°. $[\alpha]_D^{25} + 20.6$ (c, 0.5 in $CHCl_3$).

1,2-O-Isopropylidene, 3-benzyl: [89702-28-3].
 $C_{15}H_{19}IO_4$ M 390.2 Oil. $[\alpha]_D^{20} + 84.9$ (c, 4.7 in CH_2Cl_2).

1-(Dihydrogen phosphate): [100752-90-7].

$C_5H_{10}IO_7P$ M 340.0 Syrup.

***β*-D-Furanose-form**

Tri-Ac:

$C_{11}H_{15}IO_7$ M 386.1 Cryst. Mp 86-88°. $[\alpha]_D - 39$ (EtOH).

2,3-Dibenzoyl, 1-Ac: [19945-76-7].

$C_{21}H_{19}IO_7$ M 510.2 Cryst. Mp 112-113°. $[\alpha]_D^{21} + 20.4$ (c, 2.0 in $CHCl_3$).

2,3-O-Isopropylidene, 1-Ac: [111570-90-2].

$C_{10}H_{15}IO_5$ M 342.1 Cryst. Mp 38°. $[\alpha]_D^{22} - 65.8$ (c, 0.3 in MeOH).

Me glycoside, 2,3-O-isopropylidene: [38838-06-1].

$C_9H_{15}IO_4$ M 314.1 Syrup. Bp_{0.1} 75-80° (78-79°). $[\alpha]_D^{22} - 71$ (c, 1.0 in $CHCl_3$), $[\alpha]_D^{25} - 68$ ($CHCl_3$).

Me glycoside, 2,3-O-benzylidene: [33208-38-7].

$C_{13}H_{15}IO_4$ M 362.1 Syrup. $[\alpha]_D^{25} - 42.5$ (c, 0.8 in $CHCl_3$).

Pischel, H. *et al*, *Z. Chem.*, 1968, **8**, 178 (*β*-dibenzoyl)

Prystas, M. *et al*, *Coll. Czech. Chem. Comm.*, 1971, **36**, 1448 (*β*-Me gly)

Hanessian, S. *et al*, *Carbohydr. Res.*, 1972, **24**, 45 (*β*-Me gly)

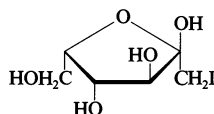
Kiss, J. *et al*, *Helv. Chim. Acta*, 1982, **65**, 1522 (*α*-isopropylidene)

Ohrui, H. *et al*, *Agric. Biol. Chem.*, 1987, **51**, 625 (*β*-isopropylidene)

Choi, H.S. *et al*, *CA*, 1991, **114**, 177971r

(*phosphate, synth, metab*)

Furstner, A. *et al*, *J.O.C.*, 1991, **56**, 2213 (*α*-isopropylidene)

1-Deoxy-1-iodosorbose**D-1-00067** $C_6H_{11}IO_5$ M 290.0***α*-L-Furanose-form**

2,3-O-Isopropylidene: [38084-09-2].

$C_9H_{15}IO_5$ M 330.1 Cryst. (Et_2O /pentane). Mp 112-113°. $[\alpha]_D^{18} - 3.1$ (c, 1 in $CHCl_3$).

2,3,4,6-Di-O-isopropylidene: [38084-00-3].

$C_{12}H_{19}IO_5$ M 370.1 Cryst. (heptane). Mp 82-83°. $[\alpha]_D^{22} - 24.5$ (c, 1 in $CHCl_3$).

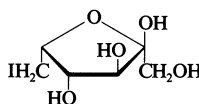
Gardner, T.S. *et al*, *J.O.C.*, 1947, **12**, 733

(*diisopropylidene*)

James, K. *et al*, *Aust. J. Chem.*, 1972, **25**, 1967

(*α*-L-fur derivs, pmr)

Fuerstner, A. *et al*, *J. Carbohydr. Chem.*, 1990, **9**, 561 (*props, use*)

6-Deoxy-6-iodosorbose**D-1-00068***α*-L-Furanose-form $C_6H_{11}IO_5$ M 290.0***L*-Furanose-form**

2,3-O-Isopropylidene, 1-tosyl:

$C_{16}H_{21}IO_7S$ M 484.3 Mp 130-140°. $[\alpha]_D + 25$ (EtOH).

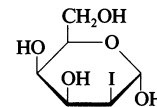
***α*-L-Furanose-form**

2,3-O-Isopropylidene, 1-Ac: [58238-55-4].

$C_{11}H_{17}IO_6$ M 372.1 Cryst. (Et_2O /petrol). Mp 106°. $[\alpha]_D^{20} + 35.8$ (c, 1 in $CHCl_3$).

Muller, H. *et al*, *Helv. Chim. Acta*, 1938, **21**, 263 (*tosyl*)

Heyns, K. *et al*, *Chem. Ber.*, 1975, **108**, 3619 (*Ac*)

2-Deoxy-2-iodotalose**D-1-00069** $C_6H_{11}IO_5$ M 290.0***α*-D-Pyranose-form**

Me glycoside: [53008-83-6].

$C_7H_{13}IO_5$ M 304.0 Syrup.

Me glycoside, tri-Ac: [53008-81-4].

$C_{13}H_{19}IO_8$ M 430.1 Syrup.

Benzyl glycoside, 4,6-O-benzylidene (S-): [75810-26-3].

$C_{20}H_{21}IO_5$ M 468.2 Cryst. (EtOAc/hexane). Mp 138.8°. $[\alpha]_D^{20} + 110.7$ (c, 1 in $CHCl_3$).

Honda, S. *et al*, *Carbohydr. Res.*, 1974, **34**, 45

(*α*-Me gly, pmr)

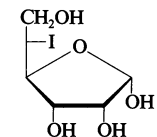
Thiem, J. *et al*, *Chem. Ber.*, 1980, **113**, 3067

(*benzyl gly deriv*)

Korth, H.G. *et al*, *J.C.S. Perkin 2*, 1986, 1461

(*conformn*)

Chen, S.H. *et al*, *J.O.C.*, 1991, **56**, 5834 (*α*-Me gly tri-Ac, ir, pmr, ms)

5-Deoxy-5-iodotalose**D-1-00070** $C_6H_{11}IO_5$ M 290.0***β*-L-Furanose-form**

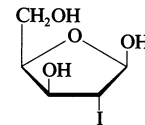
1,2-O-Isopropylidene, 3,5-dibenzoyl: [55085-27-3].

$C_{23}H_{23}IO_7$ M 538.3 Cryst. (EtOH). Mp 122-124°. $[\alpha]_D^{20} + 70$ (c, 0.6 in CH_2Cl_2).

Serge, D. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1974, **279**, 651 (*isopropylidene deriv*)

Serge, D. *et al*, *Chem. Ber.*, 1979, **77**, 79

(*isopropylidene deriv, pmr*)

2-Deoxy-2-iodoxylose**D-1-00071***β*-D-Furanose-form $C_5H_9IO_4$ M 260.0***β*-D-Furanose-form**

Me glycoside, 3-tosyl, 5-Ac: [26528-13-2].

$C_{15}H_{19}IO_7S$ M 470.2 Cryst. (EtOH). Mp 118-119°. $[\alpha]_D^{25} - 80.7$ (c, 3.4 in $CHCl_3$).

***β*-L-Pyranose-form**

Me glycoside, di-Ac: [131267-51-1].

$C_{10}H_{15}IO_6$ M 358.1 Cryst. (Et_2O /hexane). Mp 110-112°. $[\alpha]_D^{20} - 49.2$ (c, 1.0 in $CHCl_3$).

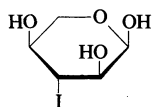
Lemieux, R.U. *et al*, *Can. J. Chem.*, 1969, **47**, 4413 (*Me fur deriv*)

Horton, D. *et al*, *Carbohydr. Res.*, 1990, **205**, 71

(*Me pyr deriv, pmr*)

3-Deoxy-3-iodoxylose

D-1-00072

 α -L-Pyranose-form $C_5H_9IO_4$ M 260.0 α -L-Pyranose-form

Me glycoside, 4-Ac: [26528-31-4].

 $C_8H_{13}IO_5$ M 316.0 Cryst. (EtOH).
Mp 125-126°. $[\alpha]_D^{25}$ -109 (c, 2.2 in $CHCl_3$).Me glycoside, 4-Ac, 2-tosyl: [26532-18-3].
Cryst. (EtOH). Mp 116-117°. $[\alpha]_D^{25}$ -60 (c, 2.5 in $CHCl_3$).Me glycoside, di-Ac: [26528-32-5].
 $C_{10}H_{15}IO_6$ M 358.1 Cryst. Mp 89.5-90.5°. β -L-Pyranose-form

Me glycoside, 4-Ac: [26528-20-1].

Cryst. (EtOH). Mp 145-145.5°. $[\alpha]_D^{25}$ +10.7 (c, 3.28 in $CHCl_3$).

Me glycoside, 4-Ac, 2-tosyl: [26532-15-0].

Cryst. (EtOH). Mp 131-132.5°. $[\alpha]_D^{25}$ -60 (c, 2.51 in $CHCl_3$).

Me glycoside, di-Ac: [26528-21-2].

Leaflets. Mp 141-141.5°. $[\alpha]_D^{25}$ +39.4 (c, 3.2 in $CHCl_3$).

Me glycoside, 4-benzoyl: [26528-16-5].

 $C_{13}H_{15}IO_5$ M 378.1 Needles (EtOH).
Mp 158-159°. $[\alpha]_D^{25}$ +113 (c, 1.44 in $CHCl_3$).

Me glycoside, 4-Me: [26528-25-6].

 $C_7H_{13}IO_4$ M 288.0 Cryst. (EtOH).
Mp 94.5-95.5°.

Me glycoside, 4-Me, 2-Ac: [26528-26-7].

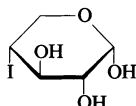
 $C_9H_{15}IO_5$ M 330.1 Cryst. (EtOH).
Mp 125.5-126.5°.

Benzyl glycoside: [128843-81-2].

 $C_{12}H_{15}IO_4$ M 350.1 Cryst.
(EtOAc/heptane or $CHCl_3$ /heptane). Mp
67-70°. $[\alpha]_D^{25}$ -7.6 (c, 1.1 in $CHCl_3$).Lemieux, R.U. et al, *Can. J. Chem.*, 1969, 47,
4413 (Me gly derivs)Rehnberg, N. et al, *J.O.C.*, 1990, 55, 5467
(benzyl gly)

4-Deoxy-4-iodoxylose

D-1-00073

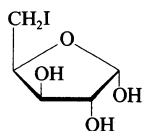
 $C_5H_9IO_4$ M 260.0 α -D-Pyranose-form

Benzyl glycoside, 2-benzyl: [50908-55-9].

 $C_{19}H_{21}IO_4$ M 440.2 Cryst. Mp 89-91°.
 $[\alpha]_D$ +130 (c, 1.34 in $CHCl_3$).Ritchie, R. et al, *Chem. Comm.*, 1973, 686
(benzyl gly deriv, pmr)

5-Deoxy-5-iodoxylose

D-1-00074

 α -D-Furanose-form $C_5H_9IO_4$ M 260.0 α -D-Furanose-form

1,2-O-Isopropylidene: [50600-39-0].

 $C_9H_{13}IO_4$ M 300.0 Powder. $[\alpha]_D^{20}$ -38
(c, 1.07 in $CHCl_3$).

1,2-O-Isopropylidene, 3-Ac: [20853-29-6].

 $C_{10}H_{15}IO_5$ M 342.1 Syrup.

1,2-O-Isopropylidene, 3-benzoyl: [41164-24-3].

 $C_{15}H_{17}IO_5$ M 404.2 Syrup. $[\alpha]_D^{25}$
-50.8 (c, 1.02 in $CHCl_3$).

1,2-O-Isopropylidene, 3-tosyl: [29873-56-1].

 $C_{15}H_{19}IO_6S$ M 454.2 Pale yellow
syrup. $[\alpha]_D^{23}$ -65.5 (c, 2.0 in $CHCl_3$).

1,2-O-Isopropylidene, 3-benzyl: [29580-99-2].

 $C_{15}H_{19}IO_4$ M 390.2 Needles (EtOH).
Mp 74-75°. $[\alpha]_D^{23}$ -81.5 (c, 0.68 in $CHCl_3$).

1,2-O-Isopropylidene, 3-trimethylsilyl: [16749-52-3].

 $C_{11}H_{21}IO_4Si$ M 372.2 Oil. Bp_{0.006} 72-74°. n_D^{25} 1.4861.Hedgeley, E.J. et al, *J.C.S.(C)*, 1967, 888

(trimethylsilyl)

Ando, H. et al, *Bull. Chem. Soc. Jpn.*, 1970, 43,
2966 (tosyl)Young, R.C. et al, *Tetrahedron*, 1970, 26, 3983
(benzyl)Culbertson, T.P., *J.O.C.*, 1973, 38, 3624

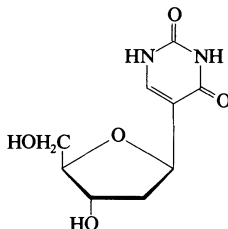
(benzoyl, pmr)

Rahman, A.U. et al, *J. Chem. Soc. Pak.*, 1986,
8, 397 (Ac, pmr)Achab, S. et al, *J.C.S. Perkin I*, 1990, 2863

(isopropylidene, pmr)

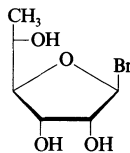
2'-Deoxypseudouridine

D-1-00075

5-(2-Deoxy- β -D-erythro-pentofuranosyl)-2,4(1H,3H)-pyrimidinedione, 9CI. 2'-Deoxy- ψ -
uridine
[39967-60-7] $C_9H_{12}N_2O_5$ M 228.2
Cryst. (EtOH). Mp 219-221°.Matsuda, A. et al, *J.O.C.*, 1981, 46, 3603 (synth,
w)Pankiewicz, K. et al, *J.O.C.*, 1982, 47, 485
(synth, pmr)Zhang, H.-C. et al, *J.O.C.*, 1992, 57, 4690
(synth)

6-Deoxytalofuranosyl bromide

D-1-00076

 $C_6H_{11}BrO_4$ M 227.0 α -L-form

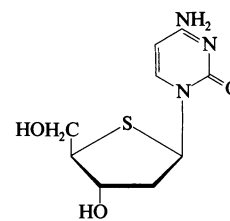
Tris(4-nitrobenzoyl): [80851-32-7].

Yellowish-white cryst. (CH_2Cl_2 /hexane).
Mp 149° dec.El Khadem, H.S. et al, *Carbohydr. Res.*, 1981,
98, 195 (nitrobenzoyl, ir)

2'-Deoxy-4'-thiocytidine, 9CI

D-1-00077

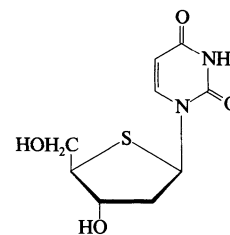
[134111-30-1]

 $C_9H_{13}N_3O_3S$ M 243.2
Amorph. powder (EtOH). Mp 129-132°.
Hygroscopic.Secrist, J.A. et al, *J. Med. Chem.*, 1991, 34, 2361
(synth, pmr, cmr)

2'-Deoxy-4'-thiouridine, 9CI

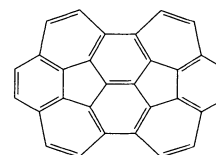
D-1-00078

[134111-32-3]

 $C_9H_{12}N_2O_4S$ M 244.2
Cryst. (EtOH). Mp 186-188°.Secrist, J.A. et al, *J. Med. Chem.*, 1991, 34, 2361
(synth, uv, pmr, cmr)

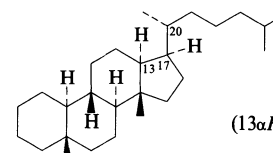
Diacenaphtho[3,2,1,8-cdefg:3',2',1',8'-lmnop]chrysene

D-1-00079

Semibuckminsterfullerene
[158013-82-2] $C_{30}H_{12}$ M 372.4Bowl-shaped molecule representing half of
the skeleton of Fullerene- C_{60} , F-0-01305.
Yellow needles. Mp >300° dec.Rabideau, P.W. et al, *J.A.C.S.*, 1994, 116, 7891
(synth, pmr, cmr)

Diacholestane

D-1-00080

(13 α H,17 α H,20R)-form $C_{27}H_{48}$ M 372.6(13 α H,17 α H,20R)-form
Cryst. Mp 85°.(13 α H,17 β H,20R)-form

Constit. of petroleum. Oil.

(13 α H,17 β H,20S)-form

Constit. of petroleum. Oil.

(13βH,17αH,20R)-form

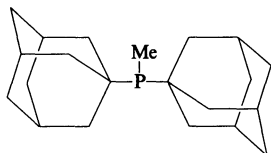
Constit. of petroleum. Oil.

(13βH,17αH,20S)-form

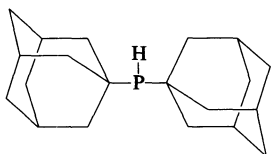
Constit. of petroleum. Cryst. Mp 83.5°.

(13βH,17βH,20R)-form

Oil.

Sieskind, O. *et al*, *Tetrahedron*, 1995, **51**, 2009
(*isol, synth, cryst struct, pmr, cmr*)**Di-1-adamantylmethylphosphine D-1-00081***Methyl[bis(tricyclo[3.3.1.1^{3,7}]dec-1-yl)]phosphine*
[105944-81-8] $C_{21}H_{33}P$ M 316.4
Characterised as the oxide.

Oxide: [154147-28-1].

 $C_{21}H_{33}OP$ M 332.4 Solid. Mp 155° dec.Goerlich, J.R. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1993, **81**, 141 (*synth, deriv, ms, pmr, P-31 nmr*)**Di-1-adamantylphosphine D-1-00082***Bis(bicyclo[3.3.1.1^{3,7}]dec-1-yl)phosphine*
[131211-27-3] $C_{20}H_{31}P$ M 302.4
Ligand for Ni, Fe, Cr, Mo and W. Cryst. (MeCN/Et₂O). Mp 134-137°, Mp 174-176°.*Methiodide: Di-1-adamantyl(methyl)phosphonium iodide* $C_{21}H_{34}IP$ M 444.3 Solid. Mp >240°.

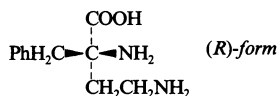
Oxide: [131266-79-0].

 $C_{20}H_{31}OP$ M 318.4 Cryst. (Et₂O). Mp 255-258° (251°).

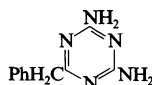
Sulfide: [154147-23-6].

 $C_{20}H_{31}PS$ M 334.5 Golden brown cryst. Mp 142°.

Selenide: [154147-25-8].

 $C_{20}H_{31}PSe$ M 381.3 Solid. Mp 241°.No, B.I. *et al*, *Zh. Obshch. Khim.*, 1990, **60**, 1795; *J. Gen. Chem. USSR (Engl. Transl.)*, 1990, **60**, 1603 (*synth, oxide*)Goerlich, J.R. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1993, **81**, 141 (*synth, deriv, ms, pmr, P-31 nmr*)Goerlich, J.R. *et al*, *Polyhedron*, 1993, **12**, 2279 (*complexes*)Goerlich, J.R. *et al*, *Z. Naturforsch., B*, 1994, **49**, 801 (*oxide*)Lavrova, E.A. *et al*, *Zh. Obshch. Khim.*, 1994, **64**, 1556; *J. Gen. Chem. USSR (Engl. Transl.)*, 1994, **64**, 1393 (*synth, P-31 nmr*)**2,4-Diamino-2-benzylbutanoic acid D-1-00083***α-(2-Aminoethyl)phenylalanine, 9CI* $C_{11}H_{16}N_2O_2$ M 208.2**(R)-form** [159801-69-1]*D-form**Dihydrochloride*: Cryst. (EtOH/dioxan). Mp 154° dec.Cheng, H. *et al*, *J.O.C.*, 1994, **59**, 7671 (*synth, ir, pmr*)**2,4-Diamino-6-benzyl-1,3,5-triazine D-1-00084***6-(Phenylmethyl)-1,3,5-triazine-2,4-diamine, 9CI. 6-Benzylguanamine. Phenylacetoguanamine*

[1853-88-9]

 $C_{10}H_{11}N_5$ M 201.2

Flame retardant, stabiliser of aq. formaldehyde solns. and urethane polymer coatings. Cryst. (EtOH). Mp 245° (238-299°).

Hydrochloride: Cryst. (EtOH/Et₂O). Mp 215°.*Sulfate (1:1)*: Cryst. Mp 193-203°.*Sulfate (2:1)*: Cryst. + 2H₂O. Mp 254° (178-183°).*Picrate*: Yellow cryst. Mp 267-268° (235° dec.).

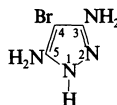
N-Ac:

 $C_{12}H_{13}N_5O$ M 243.2 Cryst. (EtOH). Mp 248° (239-240°).

2N,4N-Di-Ac:

 $C_{14}H_{15}N_5O_2$ M 285.3 Yellow cryst. (EtOAc). Mp 145°.Ostrogovich, A.E. *et al*, *Gazz. Chim. Ital.*, 1930, **60**, 648 (*synth*)*Ger. Pat.*, 965 489, (1957); *CA*, **53**, 14010b(*synth, deriv*)*U.S. Pat.*, 2 792 395, (1957); *CA*, **51**, 14837h(*synth, deriv*)*Italian Pat.*, 805 928, (1968); *CA*, **71**, 38350t(*use*)*Japan. Pat.*, 6 909 828, (1969); *CA*, **71**, 114302w(*use*)*Eur. Pat.*, 14 463, (1980); *CA*, **93**, 221539e (*use*)**3,5-Diamino-4-bromo-1H-pyrazole D-1-00085***4-Bromo-1H-pyrazole-3,5-diamine*

[16675-36-8]

 $C_3H_5BrN_4$ M 177.0Cryst. (EtOH/Et₂O). Mp 135-136° dec.Settepani, J.A. *et al*, *J.O.C.*, 1968, **33**, 2606 (*synth, ir, uv*)**1,4-Diamino-2-butanone, 9CI, D-1-00086**

8CI

 $C_4H_{10}N_2O$ M 102.1

Inhibitor of pea diamine oxidase.

Hydrochloride (1:2): [3660-09-1].

Cryst. (EtOH). Mp 220-221° (215-216°) dec.

Hydrobromide (1:2): Cryst. Mp 230-231° dec.*Picrate*: Yellow cryst. Mp 212° dec.

N,N'-Diphtalimido:

 $C_{20}H_{14}N_2O_5$ M 362.3 Plates (AcOH). Mp 248-249°.*Aldrich Library of FT-IR Spectra, 1st edn.*, **1**, 460B.*Aldrich Library of NMR Spectra, 2nd edn.*, **1**, 384D.Pyman, L., *J.O.C.*, 1930, 99 (*synth*)Fraser, M.R. *et al*, *J.C.S.*, 1952, 226 (*synth*)Korobitsyana, I.K. *et al*, *Zh. Obshch. Khim.*, 1956, **26**, 1660; *J. Gen. Chem. USSR (Engl. Transl.)*, 1956, **26**, 1861 (*deriv*)Vitali, T. *et al*, *CA*, 1984, **100**, 97196n (*synth*)Macholan, L. *et al*, *Coll. Czech. Chem. Comm.*, 1991, **56**, 1545 (*biochem*)**2,3-Diamino-4-chloropyridine D-1-00087***4-Chloro-2,3-pyridinediamine*

[24484-98-8]

 $C_5H_6ClN_3$ M 143.5Needles (H₂O). Mp 158-159°.De Roos, K.B. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1969, **88**, 1263 (*synth, ir, uv*)**2,3-Diamino-5-chloropyridine D-1-00088***5-Chloro-2,3-pyridinediamine, 9CI*

[25710-20-7]

 $C_5H_6ClN_3$ M 143.5Needles (H₂O). Mp 174-176°.Vaughan, J.R. *et al*, *J.A.C.S.*, 1949, **71**, 1885(*synth*)Ziegler, J.B., *J.A.C.S.*, 1949, **71**, 1891 (*synth*)Takahashi, T. *et al*, *Chem. Pharm. Bull.*, 1958, **6**, 443 (*synth*)**2,3-Diamino-6-chloropyridine D-1-00089***6-Chloro-2,3-pyridinediamine, 9CI*

[40851-95-4]

 $C_5H_6ClN_3$ M 143.5Needles (H₂O or C₆H₆). Mp 132-133°.

[40851-88-5]

Tschitschibabin, A.E. *et al*, *Ber.*, 1927, **60**, 766 (*synth*)**2,6-Diamino-4-chloropyridine D-1-00090***4-Chloro-2,6-pyridinediamine, 9CI*

[6309-00-8]

 $C_5H_6ClN_3$ M 143.5Cryst. (C₆H₆). Mp 102.5°.Markees, D.G. *et al*, *J.A.C.S.*, 1956, **78**, 4130 (*synth*)

3,4-Diamino-2-chloropyridine D-1-00091

2-Chloro-3,4-pyridinediamine, 9CI

[39217-08-8]

C₅H₆ClN₃ M 143.5

Cryst. (EtOH). Mp 155°.

Dihydrochloride: Cryst. Mp 175-177°.

Talík, Z. *et al*, *Rocz. Chem.*, 1956, **30**, 1139

(synth)

Rousseau, R.J. *et al*, *J. Het. Chem.*, 1965, **2**, 196

(synth)

Dvorakova, H. *et al*, *Coll. Czech. Chem.**Comm.*, 1993, **58**, 629 (synth)**3,5-Diamino-2-chloropyridine D-1-00092**

2-Chloro-3,5-pyridinediamine

C₅H₆ClN₃ M 143.5

Cryst. Mp 101-103°.

Tomasik, P. *et al*, *Rocz. Chem.*, 1965, **39**, 1671

(synth)

4,5-Diamino-2-chloropyridine D-1-00093

6-Chloro-3,4-pyridinediamine

C₅H₆ClN₃ M 143.5Cryst. (C₆H₆). Mp 146°.Hydrochloride: Cryst. (EtOH/Et₂O). Mp 238-239°.Talík, Z. *et al*, *Rocz. Chem.*, 1956, **30**, 1139

(synth)

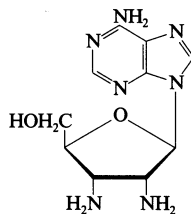
Albert, A. *et al*, *J.C.S.*, 1963, 5156 (synth)Rousseau, R.J. *et al*, *J. Het. Chem.*, 1965, **2**, 196

(synth)

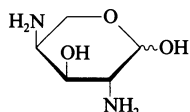
2',3'-Diamino-2',3'-dideoxyadenosine, 9CI D-1-00094

9-(2,3-Diamino-2,3-dideoxy-β-D-ribofuranosyl) adenine

[90362-10-0]

C₁₀H₁₅N₇O₂ M 265.2Needles (MeOH/Et₂O). Mp ca. 175° (softens at ca. 155°).Chen, Y.-C.J. *et al*, *J.O.C.*, 1991, **56**, 3410

(synth, pmr, ms)

2,4-Diamino-2,4-dideoxyarabinose D-1-00095

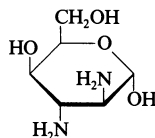
L-Pyranose-form

C₅H₁₂N₂O₃ M 148.1

L-form [135221-06-6]

Pt complexes used as antitumour agents.

Inhibits mice leukaemia (L-1210). Syrup.

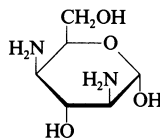
Japan. Pat., 90 223 591, (1990); *CA*, **115**, 84232f (activity)**2,3-Diamino-2,3-dideoxyidose D-1-00096**C₆H₁₄N₂O₄ M 178.1

α-D-Pyranose-form

Me glycoside, 2N,3N-di-Ac: [88261-56-7].

C₁₁H₂₀N₂O₆ M 276.2 Cryst. (EtOH). Mp 220-221°. [α]_D²⁰ + 74 (c, 1 in H₂O).

Me glycoside, 4,6-O-benzylidene, 2N,3N-di-Ac: [52885-53-7].

C₁₈H₂₄N₂O₆ M 364.3 Cryst. Mp 304-305°. [α]_D²⁰ + 39 (c, 0.7 in CHCl₃).Guthrie, R.D. *et al*, *J.C.S. Perkin 1*, 1974, 650 (α-Me pyr benzylidene)Knivel, Y.A. *et al*, *Carbohydr. Res.*, 1983, **122**, 181 (α-Me pyr, di-Ac, cmr)**2,4-Diamino-2,4-dideoxyidose D-1-00097**C₆H₁₄N₂O₄ M 178.1

α-D-Pyranose-form

Me glycoside: [58645-30-0].

C₇H₁₆N₂O₄ M 192.2 Syrup. [α]_D²⁰ + 74 (c, 5.4 in H₂O).

Me glycoside, 2N,4N-di-Ac: [29788-86-1].

C₁₁H₂₀N₂O₆ M 276.2 Cryst. (EtOH). Mp 242-244°. [α]_D²² + 61 (c, 0.2 in H₂O).

Me glycoside, 2N,3,4N,6-tetra-Ac: [29788-85-0].

C₁₅H₂₄N₂O₈ M 360.3 Cryst. (EtOH). Mp 245-247°. [α]_D²² + 80 (c, 1 in H₂O).

Me glycoside, 2N,3,4N,4N,6-penta-Ac: [58645-26-4].

C₁₇H₂₆N₂O₉ M 402.4 Syrup. [α]_D²⁰ + 24 (c, 2 in MeOH).

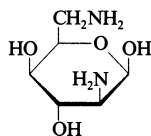
Me glycoside, 3,6-dibenzoyl, 2N,4N-di-Ac: [58645-24-2].

C₂₅H₂₈N₂O₈ M 484.5 Cryst. (EtOH). Mp 263-265°. [α]_D²⁰ + 52 (c, 2 in CHCl₃).

Me glycoside, 2N,3,4N,6-tetrabenzoyl, 2N,4N-di-Ac:

C₃₉H₃₆N₂O₁₀ M 692.7 Cryst.

Me glycoside, 3,6-di-Me, 2N,4N-di-Ac: [58645-32-2].

C₁₃H₂₄N₂O₆ M 304.3 Cryst. (EtOH). Mp 248-250°. [α]_D²⁰ + 91 (c, 4 in MeOH).Suami, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1970, **43**, 2948 (Me gly derivs)Paulsen, H. *et al*, *Carbohydr. Res.*, 1975, **45**, 205 (Me gly derivs, pmr, conformn)Luger, P. *et al*, *Acta Cryst. B*, 1978, **34**, 1254 (tetrabenzoyl, cryst struct)**2,6-Diamino-2,6-dideoxyidose D-1-00098**

β-D-Pyranose-form

C₆H₁₄N₂O₄ M 178.1

D-form

Hydrochloride: [51250-07-8].

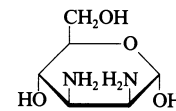
Syrup.

β-D-Pyranose-form

Me glycoside, 2N-Ac: [59150-47-9].

C₉H₁₇N₂O₅ M 233.2 Cryst. (EtOAc/petrol). Mp 149-153°. [α]_D²⁰ - 108 (c, 1.0 in H₂O).

Me glycoside, 2N,3,4-tri-Ac: [59150-46-8].

C₁₃H₂₁N₂O₇ M 317.3 Cryst. (EtOAc/petrol). Mp 140-144°. [α]_D²⁰ - 37 (c, 1.0 in CHCl₃).Perry, M.B. *et al*, *Can. J. Biochem.*, 1973, **51**, 1335 (D-form, chromatogr)Jaroslavi, S. *et al*, *Coll. Czech. Chem. Comm.*, 1975, **40**, 3698 (β-Me pyr deriv, pmr)**2,3-Diamino-2,3-dideoxymannose D-1-00099**

α-D-Pyranose-form

C₆H₁₄N₂O₄ M 178.1

Pt complexes exhibit antitumour activity.

D-Pyranose-form

Hydrochloride: [21871-07-8].

Cryst. (EtOH/EtOAc). [α]_D²⁰ + 1 (2 min.) → -3 (1h) (c, 0.6 in H₂O).

α-D-Pyranose-form

Me glycoside, 2N,3N-di-Ac: [53840-71-4].

C₁₁H₂₀N₂O₆ M 276.2 Cryst. Mp 248-250°. [α]_D²⁰ + 4.8 (c, 0.4 in H₂O).

Me glycoside, 2N,3N,4,6-tetra-Ac: [6386-22-7].

C₁₅H₂₄N₂O₈ M 360.3 Cryst. (C₆H₆/petrol). Mp 200-202°. [α]_D²⁰ + 89.2 (CHCl₃).

Me glycoside, 4,6-O-benzylidene, 2N,3N-di-Ac: [3150-18-3].

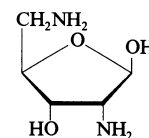
C₁₈H₂₄N₂O₆ M 364.3 Cryst. Mp 310-311°. [α]_D²⁰ - 36.2 (DMF).

β-D-Pyranose-form

Me glycoside: [21871-05-6].

C₇H₁₆N₂O₄ M 192.2 Cryst. + 0.66 2-propanol (MeOH/2-propanol) (as dihydrochloride). Mp 180° dec. (browns) (dihydrochloride). [α]_D²⁰ - 46.7 (c, 1 in H₂O). CAS no. refers to dihydrochloride.

Me glycoside, 2N,3N-di-Ac: [21871-06-7].

Cryst. Mp 116-135°. [α]_D²⁰ - 108 (c, 0.6 in H₂O).Guthrie, R.D. *et al*, *Chem. Ind. (London)*, 1962, 1473 (α-Me pyr benzylidene di-Ac)Baer, H.H. *et al*, *J.O.C.*, 1969, **34**, 3848 (synth, β-Me pyr derivs, ir)Baer, H.H. *et al*, *Can. J. Chem.*, 1974, **52**, 2257 (α-Me pyr acetates, ir)Tsubomura, T. *et al*, *Chem. Comm.*, 1986, 459 (Pt complexes, pharmacol)**2,5-Diamino-2,5-dideoxyribose D-1-00100**

β-D-Furanose-form

C₅H₁₂N₂O₃ M 148.1

D-Furanose-form

2N,5N-Di-Ac: [86258-84-6].

C₉H₁₆N₂O₅ M 232.2 Needles. Mp 151-153°. [α]_D²⁰ – 16 (c, 0.5 in MeOH). **β -D-Furanose-form**

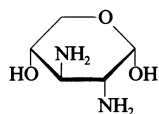
Benzyl glycoside, 2N,5N-di-Ac: [74593-06-9].

C₁₆H₂₂N₂O₅ M 322.3 Cryst. Mp 135°. [α]_D²⁰ – 52 (c, 0.5 in MeOH).

Benzyl glycoside, 2N,3,5N-tri-Ac: [74593-07-0].

C₁₈H₂₄N₂O₆ M 364.3 Needles. Mp 160°. [α]_D²⁰ – 48 (c, 0.2 in MeOH).

[86258-85-7]

Hasegawa, A. *et al*, *Carbohydr. Res.*, 1980, **81**, 23 (D-fur deriv, β -D-fur deriv, ir, pmr)**2,3-Diamino-2,3-dideoxyxylose****D-1-00101** α -D-Pyranose-formC₅H₁₂N₂O₃ M 148.1**D-Pyranose-form**

2N,3N-Di-Ac: [79974-86-0].

C₉H₁₆N₂O₅ M 232.2 Syrup. [α]_D²⁰ – 81.22 (c, 0.25 in H₂O).

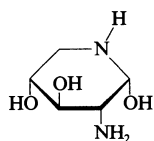
1,2N,3N,4-Tetra-Ac: [79974-87-1].

C₁₃H₂₀N₂O₇ M 316.3 Syrup. [α]_D²⁰ + 20 (c, 0.1 in CHCl₃). **α -D-Pyranose-form**

Benzyl pyranoside, 4-benzyl, 2N,3N-di-Ac: [79974-85-9].

C₂₃H₂₈N₂O₅ M 412.4 Cryst. (CHCl₃/petrol). Mp 256.5°. [α]_D²⁰ + 62.5 (c, 0.5 in CHCl₃).

[79974-96-2, 79974-97-3]

Paulsen, H. *et al*, *Annalen*, 1981, 1633 (D-pyr deriv, α -D-pyr deriv, pmr)**2,5-Diamino-2,5-dideoxyxylose****D-1-00102** α -D-Pyranose-formC₅H₁₂N₂O₃ M 148.1 **α -D-Pyranose-form**

2N,5N-Di-Ac: [86204-37-7].

C₉H₁₆N₂O₅ M 232.2 Needles (MeOH). Mp 190-192° dec. [α]_D²⁰ + 17 (c, 0.38 in MeOH).

1,2N,3,4,5N-Penta-Ac: [86204-38-8].

C₁₅H₂₂N₂O₈ M 358.3 Prisms. Mp 178-179°. [α]_D²⁰ + 30 (c, 0.25 in CHCl₃).**D-Furanose-form**

2N,5N-Di-Ac: [86258-82-4].

Needles (EtOH/Et₂O). Mp 171°. [α]_D²⁶ + 64 (c, 0.5 in MeOH). **α -D-Furanose-form**

1,2N,3,5N-Tetra-Ac:

C₁₃H₂₀N₂O₇ M 316.3 Needles. Mp 198-200° dec. [α]_D²⁰ + 108 (c, 0.3 in MeOH). **β -D-Furanose-form**

Benzyl glycoside, 2N,5N-di-Ac: [74593-38-7].

C₁₆H₂₂N₂O₅ M 322.3 Needles (EtOH). Mp 249° dec. [α]_D²⁰ – 62 (c, 0.3 in MeOH).

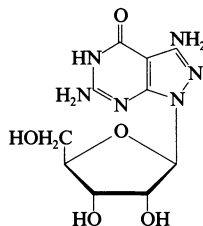
Benzyl glycoside, 2N,3,5N-tri-Ac:

C₁₈H₂₄N₂O₆ M 364.3 Cryst. (Et₂O). Mp 182-183°. [α]_D²⁰ – 43 (c, 0.3 in MeOH).

[86286-44-4]

Hasegawa, A. *et al*, *Carbohydr. Res.*, 1980, **81**, 23 (α -D-fur deriv, benzyl β -D-fur deriv, ir, pmr)Okumura, H. *et al*, *Agric. Biol. Chem.*, 1983, **47**, 839 (D-fur deriv, α -D-pyr deriv, ir, pmr)**3,6-Diamino-1,5-dihydro-1- β -D-ribofuranosyl-4H-pyrazolo[3,4-d]pyrimidin-4-one, 9CI****D-1-00103**

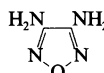
[127820-69-3]

C₁₀H₁₄N₆O₅ M 298.2

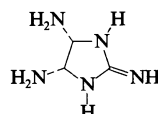
Solid. Mp 180° dec.

Bontems, R.J. *et al*, *J. Med. Chem.*, 1990, **33**, 2174 (*synth*, *uv*, *pmr*)**Diaminofurazan****D-1-00104**

Furazandiamine

C₂H₄N₄O M 100.0

Needles. Mp 180°.

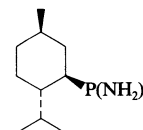
Gunasekaran, A. *et al*, *J. Het. Chem.*, 1995, **32**, 1405 (*synth*, *pmr*, *cmr*)**4,5-Diamino-2-iminoimidazoline****D-1-00105**C₃H₉N₅ M 115.1**(4R,5S)-form**

cis-form

Cryst. (as trihydrochloride). Mp 215° dec. (trihydrochloride). Discolours above 195° (trihydrochloride).

Dagley, I.J. *et al*, *Aust. J. Chem.*, 1994, **47**, 2033 (*synth*, *ir*, *pmr*, *cmr*, *cryst struct*)**3-(Diaminophosphinoyl)-p-menthane****D-1-00106**

P-[5-Methyl-2-(1-methylethyl)cyclohexyl]phosphonous diamide, 9CI. P-(2-Isopropyl-5-methylcyclohexyl)phosphonous diamide

C₁₀H₂₃N₂P M 202.2**(1R,2S,5R)-form**

P-Menthylphosphonous diamide

N,N,N',N'-Tetra-Me: [83021-28-7]. P-(2-Isopropyl-5-methylcyclohexyl)-N,N,N',N'-tetramethylphosphonous diamide. P-(L-Menthyl)-N,N,N',N'-tetramethylphosphonous diamide

C₁₄H₃₁N₂P M 258.3 Liq. Bp_{0.01} 81°. [α]_D – 96.6 (c, 15.23 in C₆H₆).

N,N,N',N'-Tetra-Et: [123973-39-7].

C₁₈H₃₉N₂P M 314.4 Ligand for Cr, Mo, W. Liq. Bp_{0.005} 105-108°.

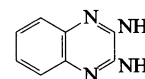
N,N,N',N'-Tetra-butyl: [131369-80-7].

N,N,N',N'-Tetra-butyl-P-(2-isopropyl-5-methylcyclohexyl)phosphonous diamide. N,N,N',N'-Tetra-butyl-P-(L-menthyl)phosphonous diamide

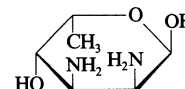
C₂₆H₅₅N₂P M 426.7 Liq. Bp_{0.005} 160°. [α] – 33.03 (c, 30 in C₆H₆).Hidai, M. *et al*, *J. Organomet. Chem.*, 1982, **232**, 89 (*tetra-Me*, *synth*, *pmr*)Diemert, K. *et al*, *J. Organomet. Chem.*, 1989, **378**, 17 (*synth*, *ms*, *P-31 nmr*, *complexes*)Diemert, K., *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1990, **53**, 339 (*synth*, *ms*, *P-31 nmr*)**2,3-Diaminoquinoxaline****D-1-00107**

2,3-Quinoxalinediamine

[6640-47-7]

C₈H₈N₄ M 160.1

Fine cryst. Mp 331°, Mp > 340°.

Obafemi, C.A. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1549 (*synth*, *uv*, *pmr*)**2,3-Diamino-2,3,6-trideoxygulose****D-1-00108**C₆H₁₄N₂O₃ M 162.1 **α -L-Pyranose-form**

Me glycoside: [81905-75-1].

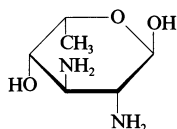
C₇H₁₆N₂O₃ M 176.2 Cryst. Mp 221-222°. [α]_D – 97 (c, 1.2 in MeOH).

Me glycoside, 3N-benzyl: [81905-73-9].

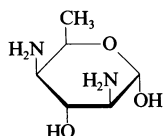
C₁₄H₂₂N₂O₃ M 266.3 Needles (EtOAc/petrol). Mp 130-131°. [α]_D – 93 (c, 1.75 in CHCl₃).Hajivarnava, G.S. *et al*, *J.C.S. Perkin 1*, 1982, 205 (α -Me pyr deriv, *ir*, *pmr*)

2,3-Diamino-2,3,6-trideoxyidose

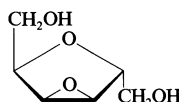
D-1-00109

C₆H₁₄N₂O₃ M 162.1***α*-L-Pyranose-form***Me glycoside*: [81905-74-0].C₇H₁₆N₂O₃ M 176.2 Needles. Mp 199-200°. [α]_D²⁰ –96 (c, 0.9 in MeOH).*Me glycoside*, 3*N*-benzyl: [81905-72-8].C₁₄H₂₂N₂O₃ M 266.3 Syrup. [α]_D²⁰ –87 (c, 1.15 in CHCl₃).*Me glycoside*, 3*N*-*Me*: [81905-77-3].C₈H₁₈N₂O₃ M 190.2 Syrup. [α]_D²⁰ –100 (c, 1.5 in CHCl₃).Hajivarnava, G.S. *et al*, *J.C.S. Perkin 1*, 1982, 205 (*α*-*Me* pyr deriv, ir, pmr)**2,4-Diamino-2,4,6-trideoxyidose**

D-1-00110

*α*-D-Pyranose-formC₆H₁₄N₂O₃ M 162.1***α*-D-Pyranose-form***Me glycoside*: [58394-13-1].C₇H₁₆N₂O₃ M 176.2 Syrup. [α]_D²⁰ +91 (c, 2.4 in MeOH).*Me glycoside*, hydrochloride (1:2): [58394-17-5].Amorph. solid. [α]_D²⁰ +65 (c, 2 in H₂O).*Me glycoside*, 3-*Ac*: [58394-19-7].C₉H₁₈N₂O₄ M 218.2 Syrup (as dihydrochloride). [α]_D²⁰ +49 (c, 2 in H₂O). CAS no. refers to dihydrochloride.*Me glycoside*, 2*N*,4*N*-*di*-*Ac*: [58394-14-2].C₁₁H₂₀N₂O₅ M 260.2 Cryst. (EtOH). Mp 251°. [α]_D²⁰ +65 (c, 2 in MeOH).*Me glycoside*, 2*N*,3,4*N*-*tri*-*Ac*: [58394-10-8].C₁₃H₂₂N₂O₆ M 302.3 Cryst. (EtOH). Mp 246-248°. [α]_D²⁰ +38 (c, 2 in MeOH).***L*-Pyranose-form**2*N*,4*N*-*Di*-*Ac*: [50611-21-7].C₁₀H₁₈N₂O₅ M 246.2 Cryst. (EtOH/petrol). Mp 172-174°. [α]_D²⁵ –45 (c, 0.87 in H₂O).***α*-L-Pyranose-form***Me glycoside*, 2*N*,3,4*N*-*tri*-*Ac*: [34388-74-4]. Needles (EtOAc). Mp 261° dec. [α]_D²⁵ –60 (c, 0.38 in CHCl₃).***β*-L-Pyranose-form***Benzyl glycoside*, 2*N*,4*N*-*di*-*Ac*: [50611-17-1].C₁₇H₂₄N₂O₅ M 336.3 Cryst. (Me₂CO/petrol). Mp 232-233°. [α]_D²⁵ +105 (c, 1.1 in MeOH).*Benzyl glycoside*, 2*N*,3,4*N*-*tri*-*Ac*: [50611-15-9].C₁₉H₂₆N₂O₆ M 378.4 Cryst. (Me₂CO/petrol). Mp 193-194°. [α]_D²⁵ +70 (c, 1.1 in CHCl₃).*Benzyl glycoside*, 3-*mesyl*, 2*N*,4*N*-*di*-*Ac*: [50611-18-2].C₁₈H₂₆N₂O₇S M 414.4 Cryst. (EtOH/petrol). Mp 248°. [α]_D²⁵ +28 (c, 0.7 in CHCl₃).Zehavi, U. *et al*, *J.O.C.*, 1972, 37, 2145 (*α*-*L*-pyr deriv)Liav, A. *et al*, *Carbohydr. Res.*, 1973, 30, 109 (*L*-pyr deriv, *β*-*L*-pyr deriv, pmr)Paulsen, H. *et al*, *Chem. Ber.*, 1976, 109, 90 (*α*-*D*-pyr deriv)Capek, K. *et al*, *Coll. Czech. Chem. Comm.*, 1987, 52, 2248 (*α*-*D*-*Me* pyr di-*Ac*, pmr)**2,5:3,4-Dianhydroaltritol**

D-1-00111

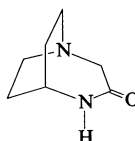
*D*-formC₆H₁₀O₄ M 146.1*D*-form [84518-62-7]Cryst. (EtOH/Et₂O). Mp 91.5-93°. [α]_D²⁴ –76.3 (c, 2.73 in MeOH).1,6-*Di*-*Ac*: [84447-11-0].C₁₀H₁₄O₆ M 230.2 Oil. [α]_D²⁵ –53.5 (in CHCl₃). Incorrectly named as a *D*-allitol deriv. in the lit.1,6-*Dibenzoyl*: [91318-12-6].C₂₀H₁₈O₆ M 354.3 Cryst. (pentane). Mp 73-74°. [α]_D²⁴ –70.9 (c, 1.92 in CHCl₃).***L*-form**Syrup. [α]_D²⁰ +85.6 (c, 0.9 in EtOH).***DL*-form [128899-69-4]**

Syrup.

Guthrie, R.D. *et al*, *Aust. J. Chem.*, 1982, 35, 2169 (*di*-*Ac*, *cmr*)Otero, D.A. *et al*, *Carbohydr. Res.*, 1984, 128, 79 (*synth*, *D*-form, *dibenzyl*)Bock, K. *et al*, *Acta Chem. Scand.*, 1989, 43, 264 (*synth*, *L*-form, pmr)Kammerer, J. *et al*, *Angew. Chem., Int. Ed.*, 1990, 29, 1038 (*DL*-form)Gabriel Garcia, J. *et al*, *Acta Cryst. C*, 1992, 48, 1692 (*cryst struct*)**1,4-Diazabicyclo[3.2.2]nonan-3-one, 9CI**

D-1-00112

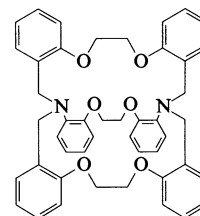
[53619-11-7]

C₇H₁₂N₂O M 140.1**(±)-form**

Cryst. (2-propanol). Mp 218-219° (209-211°).

Rubstov, M.V. *et al*, *Zh. Obshch. Khim.*, 1964, 34, 2222; *J. Gen. Chem. USSR (Engl. Transl.)*, 1964, 34, 2232 (*synth*)Mikhlina, E.E. *et al*, *Zh. Org. Khim.*, 1965, 1, 1336; *J. Org. Chem. USSR (Engl. Transl.)*, 1965, 1, 1352.de Costa, B.R. *et al*, *J. Med. Chem.*, 1993, 36, 2311 (*synth*, pmr)**1,20-Diaza-9,17,28,31,45,48-hexaoxonacyclo [18.18.18.0^{3,8}.0^{13,18}.0^{22,27}.0^{32,37}.0^{39,44}.0^{49,54}]**

D-1-00113

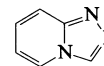
hexatetraconta-3,5,7,13,15,17,22,24,26,32,34,36,39,41,43,49,51,53-octadecaeneC₄₆H₄₄N₂O₆ M 720.8

Microcryst. solid.

Atkinson, I.M. *et al*, *Aust. J. Chem.*, 1994, 47, 1155 (*synth*, pmr, *cmr*, *cryst struct*)**1,4,2-Diazaphospholo[4,5-*a*]pyridine**

D-1-00114

[107700-34-5]

C₆H₅N₂P M 136.0

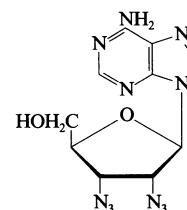
Pale yellow microcryst. powder with naphthalene-like odour. Mp 44-46°. Reactive to protic nucleophiles.

Karaghiosoff, K. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1986, 28, 289 (*synth*, *P*-31 nmr, *reaction*)Litvinov, A. *et al*, *Heteroat. Chem.*, 1991, 2, 369 (*synth*, pmr, *cmr*, *P*-31 nmr, *props*)Wrackmeyer, B. *et al*, *Magn. Reson. Chem.*, 1991, 29, 1045 (*cmr*, *N*-15 nmr, *P*-31 nmr)**2',3'-Diazaido-2',3'-dideoxyadenosine, 9CI**

D-1-00115

9-(2,3-Diazaido-2,3-dideoxy-*β*-*D*-ribofuranosyl) adenine

[119644-21-2]

C₁₀H₁₁N₁₁O₂ M 317.2

Granular solid. Mp 171-172° dec.

Chen, Y.-C.J. *et al*, *J.O.C.*, 1991, 56, 3410 (*synth*, *uv*, pmr, ms)**3-Diazo-2-butanone, 9CI**

D-1-00116

Azibutanone

[14088-58-5]

C₄H₆N₂O M 98.1Yellow oil. Bp₉₀ 87-89°.

Diels, O. *et al*, *Ber.*, 1915, **58**, 223 (*synth*)
 Taber, D.F. *et al*, *J.O.C.*, 1995, **60**, 2283 (*synth*,
pmr, *cmr*, *ir*)

Diazo(diethoxyphosphinyl) acetic acid **D-1-00117**

[108764-27-8]



$\text{C}_6\text{H}_{11}\text{N}_2\text{O}_5\text{P}$ M 222.1

Me ester: [96854-79-4]. *Methyl*

diazo(diethoxyphosphinyl)acetate

$\text{C}_7\text{H}_{13}\text{N}_2\text{O}_5\text{P}$ M 236.1 Yellowish oil.
 d_4^{20} 1.20. Bp_1 98-99°. n_D^{20} 1.4477.

Et ester: [17507-56-1]. *Triethyl*

diazophosphonoacetate

$\text{C}_8\text{H}_{15}\text{N}_2\text{O}_5\text{P}$ M 250.1 Yellow oil. d_4^{20}
 1.18. Bp_1 104-106°, $\text{Bp}_{0.05}$ 76-80°. n_D^{20}
 1.4584.

Amide: *Diazo(diethoxyphosphinyl)acetamide*

$\text{C}_6\text{H}_{12}\text{N}_3\text{O}_4\text{P}$ M 221.1 Stable, yellow
 liq. d_4^{20} 1.24. n_D^{20} 1.4748.

Nitrile: *Diazo(diethoxyphosphinyl)acetonitrile*

$\text{C}_6\text{H}_{10}\text{N}_3\text{O}_3\text{P}$ M 203.1 Yellow oil. d_4^{20}
 1.21. n_D^{20} 1.4680.

tert-Butyl ester: [86394-47-0]. *tert-Butyl*

diazo(diethoxyphosphinyl)acetate

$\text{C}_{10}\text{H}_{19}\text{N}_2\text{O}_5\text{P}$ M 278.2 Red-brown
 oil.

Petzold, G. *et al*, *Naturwissenschaften*, 1967, **54**,
 469 (*synth*)

Khokhlov, P.S. *et al*, *Zh. Obshch. Khim.*, 1984,
54, 2641, 2785; 1985, **55**, 2254; *J. Gen. Chem.*

USSR (Engl. Transl.), 1984, **54**, 2359, 2495;
 1985, **55**, 2002 (*synth*, *ir*, *w*, *pmr*)

Shiraki, C. *et al*, *Synthesis*, 1988, 399 (*tert-butyl*
ester, *synth*, *ir*, *pmr*, *use*)

Ben Alloum, A. *et al*, *Synth. Commun.*, 1989,
19, 2567 (*Et ester*, *synth*, *ir*)

Khare, A.B. *et al*, *Synthesis*, 1991, 405 (*Me*
ester, *synth*, *ir*, *pmr*, *cmr*, *P-31 nmr*)

Moody, C.J. *et al*, *Tetrahedron*, 1992, **48**, 3991
(Et ester, *use*)

Diazo(dimethoxyphosphinyl) acetic acid **D-1-00118**



$\text{C}_4\text{H}_7\text{N}_2\text{O}_5\text{P}$ M 194.0

Me ester: [60190-78-5]. *Trimethyl*

diazophosphonoacetate

$\text{C}_5\text{H}_9\text{N}_2\text{O}_5\text{P}$ M 208.1 Yellow oil.
 $\text{Bp}_{0.002}$ 65-69°.

Nitrile: *Diazo(dimethoxyphosphinyl)*

acetonitrile

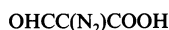
$\text{C}_4\text{H}_6\text{N}_3\text{O}_3\text{P}$ M 175.0 Yellow oil. d_4^{20}
 1.26. n_D^{20} 1.4710.

Khokhlov, P.S. *et al*, *Zh. Obshch. Khim.*, 1984,
54, 2641; *J. Gen. Chem. USSR (Engl.*

Transl.), 1984, **54**, 2359 (*nitrile*)

Khare, A.B. *et al*, *Synthesis*, 1991, 405 (*Me*
ester, *ir*, *pmr*, *cmr*, *P-31 nmr*)

Diazoformylacetic acid **D-1-00119**



$\text{C}_3\text{H}_2\text{N}_2\text{O}_3$ M 114.0

Et ester: [14762-48-2]. *Ethyl*

diazomalonaldehyde, 9CI

$\text{C}_5\text{H}_6\text{N}_2\text{O}_3$ M 142.1 Used in synthesis
 of heterocycles. Yellow liq. $\text{Bp}_{0.7}$ 35-36°.
 n_D^{20} 1.4792.

Stojanovic, F.M. *et al*, *Coll. Czech. Chem.*

Comm., 1967, **32**, 2155 (*synth*, *w*)

Connell, R.D. *et al*, *Tetrahedron*, 1993, **49**, 5445
(synth, *ir*, *pmr*, *cmr*)

(Diazomethylene) bisphosphonic acid, 9CI **D-1-00120**

Diazomethanebisphosphonic acid



$\text{CH}_4\text{N}_2\text{O}_6\text{P}_2$ M 202.0

Tetra-Me ester: [54148-00-4]. *Tetramethyl*

(diazomethylene)bisphosphonate

$\text{C}_5\text{H}_{12}\text{N}_2\text{O}_6\text{P}_2$ M 258.1 Cryst.
(petrol).

Tetra-Et ester: [19734-17-9]. *Tetraethyl*

(diazomethylene)bisphosphonate

$\text{C}_9\text{H}_{20}\text{N}_2\text{O}_6\text{P}_2$ M 314.2 Liq. $\text{Bp}_{0.3}$
 131-133°.

Regitz, M. *et al*, *Tet. Lett.*, 1968, 3171 (*tetra-Et*
ester)

Khare, A.B. *et al*, *Synthesis*, 1991, 405 (*esters*,
synth, *ir*, *pmr*, *cmr*, *P-31 nmr*)

Gross, H. *et al*, *Phosphorus, Sulfur, Silicon*
Relat. Elem., 1993, **83**, 203 (*use*)

Cox, G.G. *et al*, *Tetrahedron*, 1994, **50**, 3195
(use)

P-(Diazomethylene) bis(phosphonous diamide), 9CI **D-1-00121**



$\text{CH}_8\text{N}_6\text{P}_2$ M 166.0

Octaisopropyl: [105309-80-6].

(Diazomethylene)bis[phosphonous

bis(diisopropylamide)]. *P-(Diazomethylene)-*

N,N,N',N',N'',N'',N''',N'''-

octaisopropylbis(phosphonous diamide)

$\text{C}_{25}\text{H}_{56}\text{N}_6\text{P}_2$ M 502.7 Air-stable
 orange cryst. ($\text{MeCN}/\text{C}_6\text{H}_6$). Mp 70-80°
 dec.

Octacyclohexyl: [141958-14-7]. *P-*

(Diazomethylene)-

N,N,N',N',N'',N'',N''',N'''-

octacyclohexylbis(phosphonous diamide)

$\text{C}_{40}\text{H}_{88}\text{N}_6\text{P}_2$ M 823.2 Orange cryst.

(pentane at -20°). Mp 139-140°.

Bacereido, A. *et al*, *J.A.C.S.*, 1986, **108**, 7868
(synth, *ir*)

Sicard, G. *et al*, *J.A.C.S.*, 1988, **110**, 2663

(synth, *reactions*)

Menu, M.J. *et al*, *J. Organomet. Chem.*, 1989,

372, 201 (*synth*, *pmr*, *P-31 nmr*, *cryst struct*)

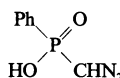
von Locquenghien, K.H. *et al*, *Chem. Comm.*,

1991, 1192 (*cmr*, *N-14 nmr*)

Réau, R. *et al*, *J.A.C.S.*, 1992, **114**, 6059 (*synth*,
ir, *cmr*, *P-31 nmr*)

(Diazomethyl) phenylphosphinic acid **D-1-00122**

[89815-66-7]



$\text{C}_7\text{H}_7\text{N}_2\text{O}_2\text{P}$ M 182.1

Golden-yellow cryst. (as *tert-butylammonium*

salt). Mp 157° dec. (*tert-butylammonium*

salt). CAS no. refers to salt. Li salt also

known.

Me ester: [56641-67-9].

$\text{C}_8\text{H}_9\text{N}_2\text{O}_2\text{P}$ M 196.1 Yellow oil.

Felcht, U. *et al*, *Chem. Ber.*, 1975, **108**, 2040

(ester, *synth*, *ir*, *w*, *pmr*)

Hoffmann, K.-L. *et al*, *Chem. Ber.*, 1985, **118**,
 3700 (*Li salt*)

Regitz, M. *et al*, *Tetrahedron*, 1985, **41**, 819

(deriv, *ir*, *pmr*)

P-(Diazomethyl)phosphonous diamide, 9CI, 8CI **D-1-00123**



$\text{CH}_5\text{N}_4\text{P}$ M 104.0

N,N,N',N'-Tetraisopropyl: [97135-54-1]. *P-*

(Diazomethyl)-N,N,N',N'-

tetraisopropylphosphonous diamide.

(Diazomethyl)phosphonous

bis(diisopropylamide)

$\text{C}_{13}\text{H}_{29}\text{N}_4\text{P}$ M 272.3 Red oil.

Thermally unstable.

Bacereido, A. *et al*, *J.A.C.S.*, 1985, **107**, 4781

(tetraisopropyl, *synth*, *ir*, *pmr*, *P-31 nmr*,
props)

Bacereido, A. *et al*, *Phosphorus Sulfur Relat.*

Elem., 1986, **26**, 57 (*synth*)

Igau, A. *et al*, *J.A.C.S.*, 1988, **110**, 6463

(tetraisopropyl, *synth*, *ir*, *pmr*, *cmr*, *P-31 nmr*)

von Locquenghien, K.K. *et al*, *Chem. Comm.*,

1991, 1192 (*cmr*, *N-14 nmr*)

Sotiropoulos, J.M. *et al*, *Bull. Soc. Chim. Fr.*,

1992, **129**, 367 (*synth*, *ir*, *pmr*, *cmr*, *P-31 nmr*)

1a,6[1',2']:7,11b[1',2']-Dibenzenodibenzo[3,4:7,8] **D-1-00124**

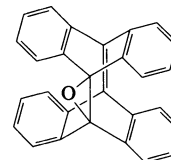
cyclooct[1,2-*b*]oxirene, 9CI

Tetrahydrodianthracene monoepoxide.

5,12:6,11-Di[1,2]benzenodibenzo[a,e]

cyclooctene monoepoxide

[157528-69-3]



$\text{C}_{20}\text{H}_{16}\text{O}$ M 368.4

White or pale yellow powder. Mp 276° dec.

Obt. ca. 80% pure.

Herges, R. *et al*, *Angew. Chem., Int. Ed.*, 1994,

33, 993 (*synth*, *ir*, *pmr*, *cmr*)

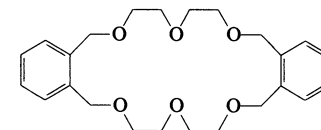
Dibenzo-22-crown-6 **D-1-00125**

5,7,8,10,11,13,18,20,21,23,24,26-

Dodecahydrodibenzo[i,t][1,4,7,12,15,18]

hexaoxacyclodocasin, 9CI

[60985-77-5]



$\text{C}_{24}\text{H}_{32}\text{O}_6$ M 416.5

Cryst. (Me_2CO). Mp 85-86°.

Reinhoudt, D.N. *et al*, *Tetrahedron*, 1976, **32**,

1161 (*synth*, *pmr*, *cmr*)

Gray, R.T. *et al*, *J.C.S. Perkin 2*, 1977, 206 (*ms*)

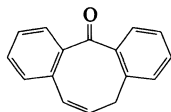
Weber, E. *et al*, *Bull. Chem. Soc. Jpn.*, 1990, **63**,

3670 (*synth*, *ir*, *pmr*)

Ouchi, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1993, **66**,

2309 (*cryst struct*)

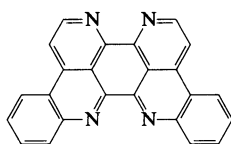
Dibenzo[*a,d*]cycloocten-12(5*H*)-one, 9CI **D-1-00126**
[149622-30-0]



$C_{16}H_{12}O$ M 220.2
Oil.

Kobayashi, K. *et al*, *J.C.S. Perkin I*, 1993, 825
(*synth, ir, pmr*)

Dibenzo[*b,j*]dipyrido[4,3,2-*de*:2',3',4'-*gh*][1,10]phenanthroline, 9CI **D-1-00127**
Eilatrin
[120154-96-3]



$C_{24}H_{12}N_4$ M 356.3
Alkaloid from the Red Sea tunicate
Eudistoma sp. Bright yellow cryst.
($CHCl_3/MeOH/H_2O$). Mp > 310°.

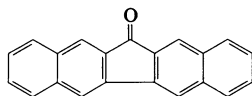
Rudi, A. *et al*, *Tet. Lett.*, 1988, 29, 6655 (*w, ir, pmr, cmr, ms, cryst struct*)

Rudi, A. *et al*, *J.O.C.*, 1989, 54, 5331 (*isol, w, ir, pmr, cmr, ms*)

Nakahara, S. *et al*, *Heterocycles*, 1993, 36, 1139
(*synth*)

Gellerman, G. *et al*, *Tet. Lett.*, 1993, 34, 1827
(*synth*)

12*H*-Dibenzo[*b,h*]fluoren-12-one, 9CI **D-1-00128**
2,3;6,7-Dibenzofluorenone
[53223-75-9]

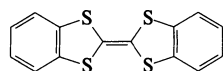


$C_{21}H_{12}O$ M 280.3
Bright yellow needles by subl., plates (C_6H_6).
Mp 282.5-283.5° (275-276°).

Martin, R.H., *J.C.S.*, 1941, 679 (*synth*)

Morris, J.L. *et al*, *J.O.C.*, 1994, 59, 6484 (*synth, pmr, ir*)

Dibenzotetrathiafulvalene **D-1-00129**
2-(1,3-Benzodithiol-2-ylidene)-1,3-benzodithiole, 9CI. *DBTTF*
[24648-13-3]



$C_{14}H_8S_4$ M 304.4
Electron donor for conducting charge-transfer salts. Yellow cryst. (C_6H_6). Mp 242.5-243° (235-237°).

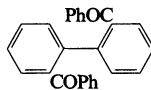
Hurtley, W.R.H. *et al*, *J.C.S.*, 1926, 2263
(*synth*)

Hünig, S. *et al*, *Annalen*, 1973, 310 (*synth, w*)

Nakayama, J. *et al*, *Bull. Chem. Soc. Jpn.*, 1976, 49, 3567 (*synth*)

Emge, T.J. *et al*, *Mol. Cryst. Liq. Cryst.*, 1982, 87, 137 (*cryst struct*)
Park, K.L. *et al*, *Magn. Reson. Chem.*, 1986, 24, 831 (*pmr*)

2,2'-Dibenzoylbiphenyl **D-1-00130**
[1,1'-Biphenyl]-2,2'-diylbis[phenylmethanone], 9CI
[24018-00-6]



$C_{26}H_{18}O_2$ M 362.4
Cryst. (EtOH or EtOH/Me₂CO). Mp 172-173° (165-168°).

Dioxime: [106569-09-9].

$C_{26}H_{20}N_2O_2$ M 392.4 Cryst. (Et₂O).
Mp 185-186°.

Mono(ethylene ketal): [106568-95-0].

$C_{28}H_{22}O_3$ M 406.4 Cryst. (Et₂O). Mp 157-159°.

Bis(ethylene ketal): [106569-08-8].

$C_{30}H_{26}O_4$ M 450.5 Cryst. (Et₂O). Mp 147-149°.

Tschitschibabin, A.E. *et al*, *Ber.*, 1926, 59, 654
(*synth*)

De Tar, D.F. *et al*, *J.A.C.S.*, 1950, 72, 965
(*synth*)

Ames, D.E. *et al*, *Tetrahedron*, 1984, 40, 1919
(*synth*)

Weitzberg, M. *et al*, *J.O.C.*, 1987, 52, 529 (*deriv, synth, ir, pmr, ms*)

4,4'-Dibenzoylbiphenyl **D-1-00131**
[1,1'-Biphenyl]-4,4'-diylbis[phenylmethanone], 9CI
[33090-29-8]

$C_{26}H_{18}O_2$ M 362.4
Mp 218°.

Dioxime:

$C_{26}H_{20}N_2O_2$ M 392.4 Cryst.
(EtOH/Py). Mp 247°.

de Milt, C. *et al*, *J.A.C.S.*, 1940, 62, 1952
(*synth, dioxime*)

Long, L.M. *et al*, *J.A.C.S.*, 1941, 63, 1939
(*synth*)

Doesburg, H.M. *et al*, *Cryst. Struct. Commun.*, 1979, 8, 377 (*cryst struct*)

Dibenzyl carbonate **D-1-00132**
Bis(phenylmethyl) carbonate, 9CI
[3459-92-5]



$C_{15}H_{14}O_3$ M 242.2
Selective benzylating reagent. Solid. Mp 27.3-29.1°. Bp₁₂ 197-198°, Bp_{1.1} 157°. n_D^{28} 1.5448.

Bowden, S.T., *J.C.S.*, 1939, 310 (*synth*)

Overberger, G.C. *et al*, *J.A.C.S.*, 1955, 77, 4100
(*synth*)

Lissel, M. *et al*, *Chem. Ber.*, 1981, 114, 1210
(*synth*)

Mizuno, T. *et al*, *Synthesis*, 1989, 636 (*synth, ir, pmr*)

Selva, M. *et al*, *J.C.S. Perkin I*, 1995, 1889
(*synth, pmr, use*)

2,3-Dibenzylloxirane **D-1-00133**
2,3-Epoxy-1,4-diphenylbutene. 2,3-Bis(phenylmethyl)oxirane, 9CI



(1*RS*,2*RS*)-form

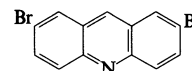
$C_{16}H_{16}O$ M 224.3
(1*RS*,2*RS*)-form [92695-14-2]
(±)-*trans*-form
Liq.

(1*RS*,2*SR*)-form [92695-13-1]
cis-form
Solid. Mp 31-33°.

Crotti, P. *et al*, *J.O.C.*, 1984, 49, 4706 (*synth, pmr*)

Boehm, J.C. *et al*, *J. Med. Chem.*, 1993, 36, 3333 (*synth, pmr*)

2,7-Dibromoacridine, 9CI **D-1-00134**
[1211-37-6]



$C_{13}H_7Br_2N$ M 337.0
Yellow leaflets. Mp 252°.

Acheson, R.M. *et al*, *J.C.S.*, 1954, 4142 (*synth*)
Kliegl, A. *et al*, *Chem. Ber.*, 1957, 90, 60 (*synth*)

Budyka, M.F. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1989, 309, 1126; *CA*, 112, 178638h (*synth*)

2,4-Dibromobenzyl alcohol **D-1-00135**



$C_7H_6Br_2O$ M 265.9
Needles (CS₂). Mp 81-81.5°.

Olivier, S.C.J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1926, 45, 296 (*synth*)

2,5-Dibromobenzyl alcohol **D-1-00136**
2,5-Dibromobenzenemethanol, 9CI
[147034-01-3]

$C_7H_6Br_2O$ M 265.9
Cryst. (toluene). Mp 100.5-101°.

Shimura, Y. *et al*, *Synthesis*, 1993, 43 (*synth, ir, cmr, pmr*)

2,6-Dibromobenzyl alcohol **D-1-00137**
 $C_7H_6Br_2O$ M 265.9
Needles (CS₂). Mp 110-110.5°.

Olivier, S.C.J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1926, 45, 296 (*synth*)

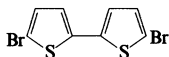
3,5-Dibromobenzyl alcohol **D-1-00138**
3,5-Dibromobenzenemethanol, 9CI
[145691-59-4]

$C_7H_6Br_2O$ M 265.9
Needles (CS₂ or H₂O). Mp 107-107.5°.

Olivier, S.C.J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1926, 45, 296 (*synth*)

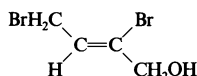
Eur. Pat., 538 016, (1992); *CA*, 119, 138977
(*synth*)

5,5'-Dibromo-2,2'-bithiophene, D-1-00139
9CI
[4805-22-5]



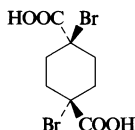
$C_8H_4Br_2S_2$ M 324.0
Plates (Me₂CO); prisms (MeOH/THF). Mp 146° (143°).
Steinkopf, W. *et al*, *Annalen*, 1930, **482**, 251 (*synth*)
Kellogg, R.M. *et al*, *J.A.C.S.*, 1969, **34**, 343 (*synth*, *pmr*)
Fernando, Q. *et al*, *Acta Cryst. C*, 1988, **44**, 562 (*cryst struct*)
Zimmer, H. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1989, **46**, 153 (*synth*, *pmr*, *uv*)
Bäuerle, P. *et al*, *Synthesis*, 1993, 1099 (*synth*, *pmr*)

2,4-Dibromo-2-buten-1-ol D-1-00140



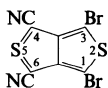
$C_4H_6Br_2O$ M 229.8
(*Z*)-*form*
Needles (hexane). Mp 39.2-40°.
Me ether: 2,4-Dibromo-1-methoxy-2-butene, 9CI
 $C_5H_8Br_2O$ M 243.9 Oil. Bp_{0.03} 70-80°.
[81447-08-7]
Seebach, D. *et al*, *Annalen*, 1994, 701 (*synth*, *cmr*, *pmr*)

1,4-Dibromo-1,4-cyclohexanedicarboxylic acid D-1-00141



$C_8H_{10}Br_2O_4$ M 329.9
Mp 304° dec.
(*1RS,4RS*)-*form*
trans-form
Dinitrile: 1,4-Dibromo-1,4-dicyanobenzene
 $C_8H_8Br_2N_2$ M 291.9 Cryst. (C₆H₆). Mp 206°.
Barón, M. *et al*, *J. Mol. Struct.*, 1975, **24**, 432 (*synth*)
Echeverria, G. *et al*, *Acta Cryst. C*, 1995, **51**, 1023 (*cryst struct*, *dinitrile*)

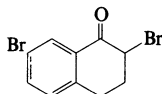
1,3-Dibromo-4,6-dicyanothieno[3,4-c]thiophene D-1-00142
1,3-Dibromothieno[3,4-c]thiophene-5-S^{IV}-4,6-dicarbonitrile
[155632-47-6]



$C_8Br_2N_2S_2$ M 348.0

Dark purple cryst. Mp >360° dec. Stable in air.
Beye, N. *et al*, *J.O.C.*, 1994, **59**, 2223 (*synth*, *ir*, *cmr*, *uv*, *ms*)

2,7-Dibromo-3,4-dihydro-1(2H)-naphthalenone, 9CI D-1-00143
2,7-Dibromo-1-tetralone
[148378-71-6]



$C_{10}H_8Br_2O$ M 303.9
Brown cryst. Mp 76-77°.
Eur. Pat., 517 065, (1992); *CA*, **118**, 168890u (*synth*, *pmr*)

5,6-Dibromo-3,4-dihydro-1(2H)-naphthalenone D-1-00144
5,6-Dibromo-1-tetralone
 $C_{10}H_8Br_2O$ M 303.9
Off-white solid. Mp 81-82°.

Combs, D.W. *et al*, *Synth. Commun.*, 1994, **24**, 2777 (*synth*, *pmr*)

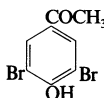
5,7-Dibromo-3,4-dihydro-1(2H)-naphthalenone D-1-00145
5,7-Dibromo-1-tetralone
 $C_{10}H_8Br_2O$ M 303.9
Light yellow prisms (hexane). Mp 60-61°.
Combs, D.W. *et al*, *Synth. Commun.*, 1994, **24**, 2777 (*synth*, *pmr*)

6,7-Dibromo-3,4-dihydro-1(2H)-naphthalenone D-1-00146
6,7-Dibromo-1-tetralone
 $C_{10}H_8Br_2O$ M 303.9
Off-white solid. Mp 144-146°.
Combs, D.W. *et al*, *Synth. Commun.*, 1994, **24**, 2777 (*synth*, *pmr*)

2,2-Dibromoheptane D-1-00147
[156181-23-6]
 $H_3C(CH_2)_4CBr_2CH_3$

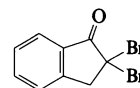
$C_7H_{14}Br_2$ M 257.9
Yellow liq. Bp₁ 50-55°.
Kropp, P.J. *et al*, *J.O.C.*, 1994, **59**, 3102 (*synth*, *pmr*, *cmr*)

3,5-Dibromo-4-hydroxyacetophenone D-1-00148
4-Acetyl-2,6-dibromophenol
[2887-72-1]



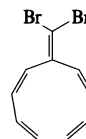
$C_8H_6Br_2O_2$ M 293.9
Cryst. (C₆H₆). Mp 181-183°.
Phenylhydrazone: Mp 147°.
Me ether: 3',5'-Dibromo-4'-methoxyacetophenone
 $C_9H_8Br_2O_2$ M 307.9 Mp 78°.
Priestly, H.M. *et al*, *J.O.C.*, 1941, **5**, 358.

2,2-Dibromo-1-indanone D-1-00149
2,2-Dibromo-2,3-dihydro-1H-inden-1-one, 9CI
[7749-02-2]



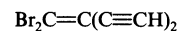
$C_9H_6Br_2O$ M 289.9
Cubes (EtOH). Mp 133-134°.
House, H.O. *et al*, *J.O.C.*, 1960, **82**, 1452 (*synth*)
Boger, D.L. *et al*, *J.O.C.*, 1994, **59**, 3453 (*synth*, *pmr*, *cmr*, *ir*)

9-(Dibromomethylene)-1,3,5,7-cyclononatetraene D-1-00150
10,10-Dibromononafulvene



$C_{10}H_8Br_2$ M 287.9
Pale yellow cryst. (Et₂O/pentane at -70°).
Chai, S. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1377 (*synth*, *pmr*, *cmr*)

3-(Dibromomethylene)-1,4-pentadiyne, 9CI D-1-00151
3-(Dibromomethylidene)-1,4-pentadiyne
[133968-82-8]



$C_6H_2Br_2$ M 233.8
Highly volatile cryst. Mp >35°.
Anthony, J. *et al*, *Helv. Chim. Acta*, 1995, **78**, 13.

1-(Dibromomethyl)-3-fluorobenzene, 9CI D-1-00152
α,α-Dibromo-m-fluorotoluene, 8CI. m-Fluorobenzal bromide
[455-34-5]



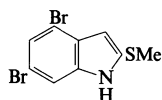
$C_7H_5Br_2F$ M 267.9
Bp₈ 108-110°. *n*_D²⁵ 1.5847.
Varma, P.S. *et al*, *J. Indian Chem. Soc.*, 1944, **21**, 112 (*synth*)
Sheppard, W.A. *et al*, *Tetrahedron*, 1971, **27**, 945 (*nmr*)

1-(Dibromomethyl)-4-fluorobenzene, 9CI D-1-00153
α,α-Dibromo-p-fluorotoluene. p-Fluorobenzal bromide
[6425-24-7]

$C_7H_5Br_2F$ M 267.9
Bp_{2.4} 80°. *n*_D²⁵ 1.5849.
Kerfanto, M. *et al*, *Bull. Soc. Chim. Fr.*, 1965, 3544.
Sheppard, W.A. *et al*, *Tetrahedron*, 1971, **27**, 945 (*synth*, *nmr*)

4,6-Dibromo-2-methylthio-1H-indole D-1-00154

[128351-88-2]

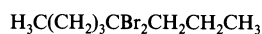


$C_9H_7Br_2NS$ M 321.0
Alkaloid from the Okinawan red alga
Laurencia brongniartii. Cryst.
(hexane/ CCl_4). Mp 59-61°.

Tanaka, J. *et al*, *Tetrahedron*, 1989, **45**, 7301
(*isol*, *ir*, *pmr*, *ms*, *struct*)

4,4-Dibromooctane D-1-00155

[156181-22-5]

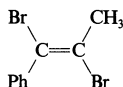


$C_8H_{16}Br_2$ M 272.0
Liq.

Kropp, P.J. *et al*, *J.O.C.*, 1994, **59**, 3102 (*synth*,
pmr, *cmr*)

1,2-Dibromo-1-phenyl-1-propene D-1-00156

(1,2-Dibromo-1-propenyl)benzene, 9CI



$C_9H_8Br_2$ M 275.9

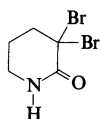
(*E*)-form [67824-63-9]
Yellow liq.

Vemura, S. *et al*, *J.C.S. Perkin 1*, 1978, 1278
(*synth*, *pmr*)

Kropp, P.J. *et al*, *J.O.C.*, 1994, **59**, 3102 (*synth*,
pmr)

3,3-Dibromo-2-piperidinone, 9CI D-1-00157

[26228-95-5]



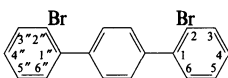
$C_5H_7Br_2NO$ M 256.9

Cryst. (EtOAc). Mp 177-179° (172-172°).

Uchikawa, O. *et al*, *J. Het. Chem.*, 1994, **31**,
1545.

2,2'-Dibromo-1,1':4',1''-terphenyl, 9CI D-1-00158

[95918-92-6]



$C_{18}H_{12}Br_2$ M 388.1
Needles (EtOH). Mp 137.5°.

Fujioka, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1984,
57, 3494 (*synth*)

3,3''-Dibromo-1,1':4',1''-terphenyl, 9CI D-1-00159

[95918-94-8]

$C_{18}H_{12}Br_2$ M 388.1
Plates (C_6H_6). Mp 149.8°.

Fujioka, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1984,
47, 3494 (*synth*)

4,4''-Dibromo-1,1':4',1''-terphenyl, 9CI D-1-00160

[17788-94-2]

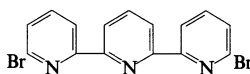
$C_{18}H_{12}Br_2$ M 388.1
Prisms ($PhNO_2$). Mp 309-311°.

France, H. *et al*, *J.C.S.*, 1938, 1364 (*synth*)
Colonge, J. *et al*, *Bull. Soc. Chim. Fr.*, 1967,
4370 (*synth*, *uv*)

Lapkin, I.I. *et al*, *Zh. Obshch. Khim.*, 1979, **49**,
167; *J. Gen. Chem. USSR (Engl. Transl.)*,
1979, **49**, 146 (*synth*, *uv*)

6,6''-Dibromo-2,2':6',2''-terpyridine, 9CI D-1-00161

[100366-66-3]



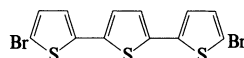
$C_{15}H_9Br_2N_3$ M 391.0
Needles or plates (toluene or $CHCl_3$). Mp
263-264° (248°).

Burstall, F.H., *J.C.S.*, 1938, 1662 (*synth*)
Newkome, G.R. *et al*, *J.O.C.*, 1986, **51**, 850
(*synth*, *pmr*)

Constable, E.C. *et al*, *J.C.S. Dalton*, 1987, 5
(*synth*, *ir*, *pmr*, *ms*)
Uchida, Y. *et al*, *Synthesis*, 1995, 939 (*synth*,
ms)

5,5''-Dibromo-2,2':5',2''-terthiophene, 9CI D-1-00162

[98057-08-0]

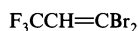


$C_{12}H_6Br_2S_3$ M 406.1
Gold-yellow cryst. (MeOH/THF). Mp 159-
160° (154-155°).

Morand, P. *et al*, *Tetrahedron*, 1988, **44**, 2403
(*synth*, *pmr*, *cmr*, *ms*)

Zimmer, H. *et al*, *Phosphorus Sulfur Relat.*
Elem., 1989, **46**, 153 (*synth*, *ms*)

Bäuerle, P. *et al*, *Synthesis*, 1993, 1099 (*synth*,
pmr)

1,1-Dibromo-3,3,3-trifluoropropene D-1-00163

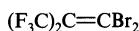
$C_3HBr_2F_3$ M 253.8

Bp₉₅₋₁₀₀ 41-55°.

Morken, P.A. *et al*, *J.A.C.S.*, 1993, **115**, 5430.

1,1-Dibromo-3,3,3-trifluoro-2-(trifluoromethyl)propene D-1-00164

1,1-Dibromo-2,2-bis(trifluoromethyl)ethylene



$C_3Br_2F_6$ M 321.8

Liq. Bp 56-61°, Bp 120-125°.

Morken, P.A. *et al*, *J.A.C.S.*, 1993, **115**, 5430.

Dibutoxymethane, 8CI D-1-00165

1,1'-[Methylenebis(oxy)]bisbutane, 9CI.
Formaldehyde dibutyl acetal. Butylal
[2568-90-3]



$C_9H_{20}O_2$ M 160.2

Liq. Bp₁₂ 74-78°.

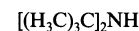
Fisher, C.L. *et al*, *J.A.C.S.*, 1989, **111**, 7379
(*synth*, *pmr*)

Wang, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1993, **66**,
2149 (*synth*)

Di-tert-butylamine D-1-00166

N-(1,1-Dimethylethyl)-2-methyl-2-propanamine, 9CI

[21981-37-3]



$C_8H_{19}N$ M 129.2

Liq. Bp 119-120°.

Hydrochloride: [63819-66-9].

Cryst. ($CHCl_3$ /Et₂O). Mp 258-260° subl.

Kornblum, N. *et al*, *J.O.C.*, 1972, **37**, 2050
(*synth*, *pmr*, *ms*)

Kostyanovsky, R.G. *et al*, *Org. Mass Spectrom.*,
1972, **6**, 1199 (*ms*)

Back, T.G. *et al*, *J.C.S. Perkin 1*, 1977, 924
(*synth*)

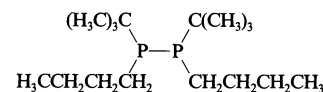
Fjeldberg, T. *et al*, *J. Mol. Struct.*, 1986, **140**,
209 (*gas-phase struct*)

Schwartz, M.A. *et al*, *Tet. Lett.*, 1992, **33**, 1689
(*synth*, *pmr*, *cmr*)

1,2-Dibutyl-1,2-di-tert-butylidiphosphine D-1-00167

1,2-Dibutyl-1,2-bis(1,1-dimethylethyl)diphosphine

[82718-72-7]



$C_{16}H_{36}P_2$ M 290.4

Presumably stereoisomer mixt. Visc. liquid.
Bp_{0.5} 110-112°. n_D^{20} 1.5039.

Monoxide: [72170-78-6].

$C_{16}H_{36}OP_2$ M 306.4 Solid. Mp 107-
110°. Bp_{0.1} 118-123°.

Monosulfide: [82718-62-5].

$C_{16}H_{36}P_2S$ M 322.4 In equil. (56%)
with the tautomeric thioanhydride RR'-P-
S-PRR' (44%).

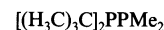
[74757-21-4, 74757-51-0]

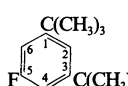
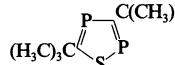
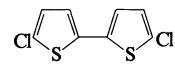
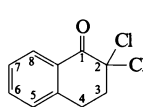

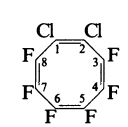
Foss, V.L. *et al*, *Zh. Obshch. Khim.*, 1979, **49**,
1724; 1982, **52**, 1054, 1063; *J. Gen. Chem.*
USSR (Engl. Transl.), 1979, **49**, 1510; 1982,
52, 916, 924 (*synth*, *derivs*, *props*, *P-31 nmr*)

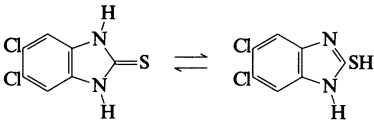

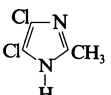
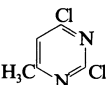
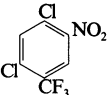
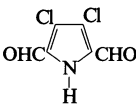
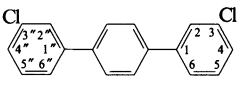
1,1-Di-tert-butyl-2,2-dimethyldiphosphine D-1-00168

1,1-Bis(1,1-dimethylethyl)-2,2-dimethyldiphosphine, 9CI

[57409-22-0]



- $C_{10}H_{24}P_2$ M 206.2
Harris, R.K. *et al*, *J.C.S. Dalton*, 1979, 826
(*synth*, P-31 *nmr*, *struct*)
McFarlane, H.C.E. *et al*, *J.C.S. Dalton*, 1980,
240 (*pmr*, P-31 *nmr*, *struct*)
Ali, A.A.M. *et al*, *J.C.S. Dalton*, 1988, 2775
(*cmr*, P-31 *nmr*)
- 1,2-Di-*tert*-butyl-1,2-diphenyldiphosphine, 8CI** **D-1-00169**
1,2-Bis(1,1-dimethylethyl)-1,2-diphenyldiphosphine, 9CI
[55793-26-5]
 $(H_3C)_3CPPh-PPhC(CH_3)_3$
- $C_{20}H_{28}P_2$ M 330.3
Presumable mixt. of stereoisomers. Solid.
Mp 114°.
Monoxide: [72170-79-7].
 $C_{20}H_{28}OP_2$ M 346.3 Solid. Mp 148-151°.
1,2-Dioxide: [18351-72-9].
 $C_{20}H_{28}O_2P_2$ M 362.3 Cryst. (C_6H_6 or Me_2CO), Mp 228-229°.
[96254-44-3, 96254-45-4]
Brown, A.D. *et al*, *J.C.S.(C)*, 1968, 839 (*dioxide*, *pmr*, *ir*)
Schumann, H. *et al*, *J. Organomet. Chem.*, 1975, 88, C13 (*synth*, *pmr*, P-31 *nmr*)
Dinritriev, V.I. *et al*, *Zh. Obshch. Khim.*, 1978, 48, 1533; *J. Gen. Chem. USSR (Engl. Transl.)*, 1978, 48, 1405 (*dioxide*)
Foss, V.L. *et al*, *Zh. Obshch. Khim.*, 1979, 49, 1724; *J. Gen. Chem. USSR (Engl. Transl.)*, 1979, 49, 1510 (*monoxide*, *synth*, P-31 *nmr*)
- Dibutyl diselenide, 9CI** **D-1-00170**
Butyl diselenide, 8CI
[20333-40-8]
 $H_3C(CH_2)_3SeSe(CH_2)_3CH_3$
- $C_8H_{18}Se_2$ M 272.1
Orange oil with offensive odour. Bp₁₃ 129-130°. n_D^{20} 1.5402.
Backer, H.J. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1935, 54, 531 (*synth*)
Stoner, G.G. *et al*, *J.A.C.S.*, 1948, 70, 1113 (*synth*)
Bergson, G. *et al*, *Acta Chem. Scand.*, 1962, 16, 1159 (*uv*)
Allum, K.G. *et al*, *Spectrochim. Acta A*, 1968, 24, 927 (*ir*, *Raman*)
Agenäs, L.-B., *Ark. Kemi*, 1969, 30, 497 (*ms*)
Sisler, H.H. *et al*, *J.O.C.*, 1971, 36, 1700 (*synth*)
Anderson, J.A. *et al*, *Organometallics*, 1988, 7, 267 (*cmr*)
Korchevin, N.A. *et al*, *Zh. Org. Khim.*, 1989, 59, 1788; *J. Gen. Chem. USSR (Engl. Transl.)*, 1989, 59, 1592 (*synth*)
Ping, L. *et al*, *Synth. Commun.*, 1993, 23, 1721 (*synth*, *pmr*)
- 1,3-Di-*tert*-butyl-5-fluorobenzene** **D-1-00171**
1,3-Bis(1,1-dimethylethyl)-5-fluorobenzene, 9CI
[38764-30-6]
- 
- $C_{14}H_{21}F$ M 208.3
Brownlee, R.T.C. *et al*, *J.A.C.S.*, 1972, 94, 7208 (*F-19 nmr*)
- 2,4-Di-*tert*-butyl-1-fluorobenzene** **D-1-00172**
2,4-Bis(1,1-dimethylethyl)-1-fluorobenzene
[65130-67-8]
 $C_{14}H_{21}F$ M 208.3
Oil. Bp_{0.2} 55°.
Tashiro, M. *et al*, *Org. Prep. Proced. Int.*, 1977, 9, 151 (*synth*)
Dehmloew, E.V. *et al*, *Tetrahedron*, 1995, 51, 3755 (*synth*, *pmr*)
- 3,5-Di-*tert*-butyl-1,2,4-thiadiphosphole** **D-1-00173**
3,5-Bis(1,1-dimethylethyl)-1,2,4-thiadiphosphole
[151961-31-8]
- 
- $C_{10}H_{18}P_2S$ M 232.2
Mp 10°.
Lindner, E. *et al*, *Angew. Chem., Int. Ed.*, 1993, 32, 1424 (*synth*, *cmr*, P-31 *nmr*)
Lindner, E. *et al*, *J. Organomet. Chem.*, 1994, 464, C31 (*synth*, *ms*, P-31 *nmr*)
- 5,5'-Dichloro-2,2'-bithiophene, D-1-00174**
9CI
5,5'-Dichloro-2,2'-bithienyl
[18494-75-2]
- 
- $C_8H_4Cl_2S_2$ M 235.1
Leaflets (EtOH). Mp 109°.
Uhlenbroeck, J.H. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1960, 79, 1181 (*synth*)
Veracini, C.A. *et al*, *J.C.S. Perkin 2*, 1973, 751 (*conformn*, *pmr*)
Abu-Eittah, R. *et al*, *Bull. Chem. Soc. Jpn.*, 1985, 58, 2126 (*w*)
- 2,2-Dichloro-3,4-dihydro-1(2H)-naphthalenone, 9CI** **D-1-00175**
2,2-Dichloro-α-tetralone
[19221-36-4]
- 
- $C_{10}H_8Cl_2O$ M 215.0
Pale yellow cryst. (Et_2O /petrol). Mp 76°.
Stevens, C.L. *et al*, *J.A.C.S.*, 1955, 77, 4590 (*synth*)
Nefedov, V.A., *Zh. Obshch. Khim.*, 1973, 43, 2016; *J. Gen. Chem. USSR (Engl. Transl.)*, 1973, 43, 2002 (*synth*, *ir*)
De Kimpe, N. *et al*, *Synth. Commun.*, 1978, 8, 75 (*synth*, *pmr*)
- 5,6-Dichloro-3,4-dihydro-1(2H)-naphthalenone, 9CI** **D-1-00176**
5,6-Dichloro-1-tetralone
[57915-84-1]
 $C_{10}H_8Cl_2O$ M 215.0
Yellow cryst. (95% EtOH). Mp 89-92°.
Oxime: [153788-13-7].
- $C_{10}H_9Cl_2NO$ M 230.0 Cryst. ($CHCl_3$). Mp 138-140°.
U.S. Pat., 3 919 316, (1975); *CA*, 84, 43707n (*synth*)
Macchia, B. *et al*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1993, 28, 735 (*synth*, *pmr*)
- 6,7-Dichloro-3,4-dihydro-1(2H)-naphthalenone, 9CI** **D-1-00177**
6,7-Dichloro-1-tetralone
[25095-57-2]
 $C_{10}H_8Cl_2O$ M 215.0
Cryst. ($EtOH$ aq.). Mp 106.5-107.5°.
Oxime: [34623-31-9].
 $C_{10}H_9Cl_2NO$ M 230.0 Mp 204-205° (179-181°).
[34641-44-6]
Baker, B.R. *et al*, *J. Med. Chem.*, 1970, 13, 87 (*synth*)
Rosowsky, A. *et al*, *J. Het. Chem.*, 1971, 8, 809 (*synth*, *derivs*, *pmr*)
Owton, W.M. *et al*, *Synth. Commun.*, 1991, 21, 981 (*synth*, *pmr*)
Macchia, B. *et al*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1993, 28, 735 (*synth*, *oxime*)
- 2,3-Dichloro-4-fluorobenzoic acid** **D-1-00178**
- 
- $C_7H_3Cl_2FO_2$ M 209.0
Cryst. solid (heptane/ Et_2O). Mp 189-191°.
Bennetau, B. *et al*, *J.C.S. Perkin 1*, 1995, 1265 (*synth*, *pmr*, F-19 *nmr*)
- 1,2-Dichloro-3,4,5,6,7,8-hexafluorocyclooctatetraene** **D-1-00179**
[159190-52-0]
- 
- $C_8Cl_2F_6$ M 280.9
Cryst. by subl. Mp 35°. Subl.₁₀ 33-34°.
Goldman, G.D. *et al*, *J.O.C.*, 1994, 59, 7421 (*synth*, *ir*, *ms*)
- 1,8-Dichloro-2,3,4,5,6,7-hexafluorocyclooctatetraene** **D-1-00180**
 $C_8Cl_2F_6$ M 280.9
Liq.
Goldman, G.D. *et al*, *J.O.C.*, 1994, 59, 7421 (*synth*, *ir*, *ms*)
- 1-(Dichloroiodo)-2,2,3,3,3-pentafluoropropane** **D-1-00181**
 $F_3CCF_2CH_2ICl_2$
 $C_3H_2Cl_2F_5I$ M 330.8
Pale yellow powder. Mp 70-71° dec.
Bravo, P. *et al*, *J.O.C.*, 1994, 59, 6093 (*synth*, *pmr*, F-19 *nmr*)

- 5,6-Dichloro-2-mercaptobenzimidazole** **D-1-00182**
 5,6-Dichloro-1,3-dihydro-2H-benzimidazole-2-thione, 9Cl. 5,6-Dichloro-2-benzimidazolethiol, 8Cl. 5,6-Dichloro-2-benzimidazolethione [19462-98-7]
- 
- $C_7H_4Cl_2N_2S$ M 219.0
 Brown solid. Mp >360°.
 Devivar, R.V. *et al*, *J. Med. Chem.*, 1994, 37, 2942 (synth, pmr, cmr, uv)
- 2,6-Dichloro-3-methylbenzoic acid** **D-1-00183**
 $C_8H_6Cl_2O_2$ M 205.0
 Cryst. solid (heptane/Et₂O). Mp 126-127°.
 Bennetau, B. *et al*, *J.C.S. Perkin 1*, 1995, 1265 (synth, pmr, cmr)
- 1-(Dichloromethyl)-2-fluorobenzene, 9Cl** **D-1-00184**
 α,α -Dichloro-*o*-fluorotoluene, 8Cl. *o*-Fluorobenzal chloride [320-65-0]
- 
- $C_7H_5Cl_2F$ M 179.0
 d_4^{18} 1.31. Bp₁₃ 71.6°. n_D^{19} 1.5225.
 Schiemann, G. *et al*, *Ber.*, B, 1937, 70, 1416 (synth)
 Ballester, M. *et al*, *J.A.C.S.*, 1964, 86, 4276 (uv)
- 1-(Dichloromethyl)-3-fluorobenzene, 9Cl** **D-1-00185**
 α,α -Dichloro-*m*-fluorotoluene, 8Cl. *m*-Fluorobenzal chloride [402-64-2]
 $C_7H_5Cl_2F$ M 179.0
 d_4^{16} 1.36. Bp 202-204°, Bp₆ 77°. n_D^{25} 1.5238.
 Schiemann, G., *Z. Phys. Chem. (Leipzig)*, 1931, 156, 397.
 Varma, P.S. *et al*, *J. Indian Chem. Soc.*, 1944, 21, 112; *CA*, 39, 1395 (synth)
 Pelchowicz, Z. *et al*, *J.C.S.*, 1961, 5418 (synth)
 Sheppard, W.A., *Tetrahedron*, 1971, 27, 945 (synth, nmr)
- 1-(Dichloromethyl)-4-fluorobenzene, 9Cl** **D-1-00186**
 α,α -Dichloro-*p*-fluorotoluene, 8Cl. *p*-Fluorobenzal chloride [456-19-9]
 $C_7H_5Cl_2F$ M 179.0
 Bp₁₅ 81-83°, Bp₆ 83°. n_D^{25} 1.5255.
 Fukui, K. *et al*, *Nippon Kagaku Zasshi*, 1958, 79, 1120.
 Sheppard, W.A., *Tetrahedron*, 1971, 27, 945 (synth)
- 4,5-Dichloro-2-methylimidazole, 9Cl** **D-1-00187**
 [15965-33-0]
- 
- $C_4H_4Cl_2N_2$ M 150.9
 Cryst. (H₂O). Mp 251-252° (247-248°).
 Lutz, A.W. *et al*, *J. Het. Chem.*, 1967, 4, 399 (synth)
 Imbach, J.L. *et al*, *J. Het. Chem.*, 1967, 4, 451 (synth, pmr)
- 2,4-Dichloro-6-methylpyrimidine, 9Cl** **D-1-00188**
 [5424-21-5]
- 
- $C_5H_4Cl_2N_2$ M 163.0
 Cryst. Mp 44-47°. Bp 219°.
 Matswaka, T. *et al*, *Yakugaku Zasshi*, 1950, 70, 134 (synth)
 Brown, D.J. *et al*, *J.C.S.(B)*, 1971, 2214 (pmr)
 Hung, J. *et al*, *J. Het. Chem.*, 1984, 21, 741 (synth)
- 1,5-Dichloro-2-nitro-4-(trifluoromethyl)benzene, 9Cl** **D-1-00189**
 2,4-Dichloro-5-nitrobenzotrifluoride. 2,4-Dichloro- α,α,α -trifluoro-5-nitrotoluene [400-70-4]
- 
- $C_7H_2Cl_2F_3NO_2$ M 259.9
 Mp 55-57°.
 Aldrich Library of FT-IR Spectra, 1st edn., 1, 1381C.
 Aldrich Library of NMR Spectra, 2nd edn., 1, 1185C.
 Fr. Pat., 745 293, (1933); *CA*, 27, 4413 (synth)
- 3,4-Dichloro-1H-pyrrole-2,5-dicarboxaldehyde** **D-1-00194**
 3,4-Dichloro-2,5-diformylpyrrole [1196-68-5]
- 
- $C_6H_3Cl_2NO_2$ M 192.0
 Cryst. (C₆H₆). Mp 185-186°. Previous refs. gave an incorrect M.p.
 Cadamuro, S. *et al*, *J.C.S. Perkin 1*, 1993, 2939 (synth, ir, pmr, cmr)
- 3,3''-Dichloro-1,1':4',1''-terphenyl, 9Cl** **D-1-00195**
 [159392-36-6]
- 
- $C_{18}H_{12}Cl_2$ M 299.1
 Powder.
 Musfeldt, J.L. *et al*, *J. Polym. Sci., Part B*, 1994, 32, 2395 (synth, pmr, cmr)

4,4'-Dichloro-1,1':4',1''-terphenyl, 9CI **D-1-00196**
 [21711-52-4]
 $C_{18}H_{12}Cl_2$ M 299.1
 Cryst. (EtOH). Mp 293°.
 Bahurel, Y. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 425S (synth)
 Ger. Pat., 3 930 848, (1991); *CA*, **115**, 91816c (synth)

1,2-Dichloro-4-(trichloromethyl)benzene, 9CI **D-1-00197**
 α, α, α -3,4-Pentachlorotoluene, 3,4-Dichlorobenzotrifluoride
 [13014-24-9]



$C_7H_3Cl_5$ M 264.3
 Fp 25.8°. Bp 283.1°, Bp₁₀ 140.1°.
 Adv. Chem. Ser., 1955, **15**, 143 (props)
 UK Pat., 771 416, (1957); *CA*, **51**, 16546h (synth)

1,3-Dichloro-2-(trichloromethyl)benzene **D-1-00198**
 α, α, α -2,6-Pentachlorotoluene, 2,6-Dichlorobenzotrifluoride
 [54730-36-8]
 $C_7H_3Cl_5$ M 264.3
 Not purified.
 Buchwald, P. *et al*, *Rev. Roum. Chim.*, 1974, **19**, 1221.

1,3-Dichloro-5-(trichloromethyl)benzene **D-1-00199**
 α, α, α -3,5-Pentachlorotoluene, 3,5-Dichlorobenzotrifluoride
 $C_7H_3Cl_5$ M 264.3
 Liq. Bp₃ 124-126°.
 Smith, W.T. *et al*, *J.O.C.*, 1961, **26**, 4713 (synth)

1,4-Dichloro-2-(trichloromethyl)benzene, 9CI **D-1-00200**
 α, α, α -2,5-Pentachlorotoluene, 2,5-Dichlorobenzotrifluoride
 [10541-71-6]
 $C_7H_3Cl_5$ M 264.3
 Liq. Bp₁₃ 150-160°.
 Anspach, R. *et al*, *Annalen*, 1906, **346**, 322 (synth)
 Sutherland, R.G. *et al*, *J. Organomet. Chem.*, 1991, **419**, 357 (synth, pmr, cmr)

2,4-Dichloro-1-(trichloromethyl)benzene, 9CI **D-1-00201**
 α, α, α -2,4-Pentachlorotoluene, 8CI, 2,4-Dichlorobenzotrifluoride
 [13014-18-1]
 $C_7H_3Cl_5$ M 264.3
 Cryst. Mp 50°. Bp₂₀ 155-159°.
 Davies, W. *et al*, *Aust. J. Sci. Res., Ser. A*, 1952, **5**, 198 (synth)

Pews, R.G. *et al*, *Chem. Comm.*, 1978, 714 (synth)
 Uspenskaya, I. *et al*, *Khim. Promst. (Moscow)*, 1980, 522; *CA*, **94**, 30272y (synth)

Dichloro(2,2,2-trifluoroethyl) iodine, 9CI **D-1-00202**
 1-(Dichloroiodo)-2,2,2-trifluoroethane
 [159763-01-6]



$C_2H_2Cl_2F_3I$ M 280.8
 Yellow cryst. powder. Mp 108-111° dec.
 Bravo, P. *et al*, *J.O.C.*, 1994, **59**, 6093 (synth, pmr, F-19 nmr)

1,2-Dichloro-4-(trifluoromethyl)benzene, 9CI **D-1-00203**
 3,4-Dichloro- α, α, α -trifluorotoluene, 8CI, 3,4-Dichlorobenzotrifluoride
 [328-84-7]



$C_7H_3Cl_2F_3$ M 215.0
 Liq. d_4^{25} 1.4729. Bp 173-174°, Bp₁₄ 63-65°. n_D^{25} 1.4719.

Aldrich Library of FT-IR Spectra, 1st edn., 3, 919A.
 Aldrich Library of NMR Spectra, 2nd edn., 1, 807A.
 Yagupolskii, L.M. *et al*, *Zh. Obshch. Khim.*, 1959, **29**, 2730; *J. Gen. Chem. USSR (Engl. Transl.)*, 1959, **29**, 2697 (synth)
 Kogeyama, I. *et al*, *Kogyo Kagaku Zasshi*, 1962, **65**, 1203; *CA*, 1963, **58**, 5543 (synth)
 Ushakov, A.A. *et al*, *Zh. Org. Khim.*, 1976, **12**, 158; *J. Org. Chem. USSR (Engl. Transl.)*, 1976, **12**, 153 (synth, props)

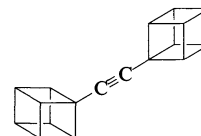
1,4-Dichloro-2-(trifluoromethyl)benzene, 9CI **D-1-00204**
 2,5-Dichloro- α, α, α -trifluorotoluene, 8CI, 2,5-Dichlorobenzotrifluoride
 [320-50-3]
 $C_7H_3Cl_2F_3$ M 215.0
 Liq. d_4^{20} 1.5009. Bp 174.6°, Bp₁₆ 60°.
 Aldrich Library of FT-IR Spectra, 1st edn., 3, 931C (ir)

Biedenapp, D. *et al*, *J. Chem. Phys.*, 1968, **49**, 3933 (CI-35 nqr)
 Ushakov, A.A. *et al*, *Zh. Org. Khim.*, 1976, **12**, 158; *J. Org. Chem. USSR (Engl. Transl.)*, 1976, **12**, 153 (synth, props)
 Freund, L. *et al*, *Makromol. Chem.*, 1989, **190**, 1561 (synth, pmr, cmr, ms)

2,4-Dichloro-1-(trifluoromethyl)benzene, 9CI **D-1-00205**
 2,4-Dichloro- α, α, α -trifluorotoluene, 8CI, 2,4-Dichlorobenzotrifluoride
 [320-60-5]
 $C_7H_3Cl_2F_3$ M 215.0
 Liq. Bp 117-118°. n_D^{20} 1.4788.
 Aldrich Library of FT-IR Spectra, 1st edn., 3, 931B.

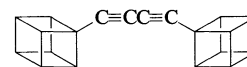
Aldrich Library of NMR Spectra, 2nd edn., 1, 804C.
 Yurawecz, M.P. *et al*, *J. Assoc. Off. Anal. Chem.*, 1979, **62**, 36; 1981, **19**, 1123 (glc, ms)
 U.S. Pat., 4 201 724, (1980); *CA*, **94**, 65296m (synth)

Dicubylacetylene **D-1-00206**
 1,1'-(1,2-Ethynediyl) bispentacyclo[4.2.0.0^{2.5}.0^{3.8}.0^{4.7}]octane, 9CI
 [163332-96-5]



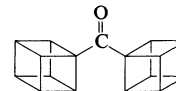
$C_{18}H_{14}$ M 230.3
 Flat cryst. Mp > 180° dec.
 Eaton, P.E. *et al*, *J.A.C.S.*, 1994, **116**, 2588 (synth, pmr, cmr, ms)

1,4-Dicubyl-1,3-butadiyne **D-1-00207**
 1,1'-(1,3-Butadiyne-1,4-diyl) bispentacyclo[4.2.0.0^{2.5}.0^{3.8}.0^{4.7}]octane, 9CI
 [163332-97-6]



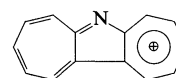
$C_{20}H_{14}$ M 254.3
 Solid. Mp > 140° dec.
 Eaton, P.E. *et al*, *J.A.C.S.*, 1994, **116**, 2588 (synth, pmr, cmr, ms, crystal struct)

Dicubyl ketone **D-1-00208**
 Bis(pentacyclo[4.2.0.0^{2.5}.0^{3.8}.0^{4.7}]octyl) methanone, 9CI, Dicubylmethanone
 [163332-95-4]



$C_{17}H_{14}O$ M 234.2
 Solid. Mp 175-177°.
 Eaton, P.E. *et al*, *J.A.C.S.*, 1994, **116**, 7588 (synth, pmr, cmr, ms)

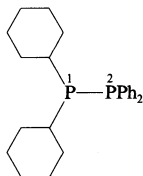
Dicyclohepta[*b,d*]pyrrolium(1+) **D-1-00209**



$C_{14}H_{10}N^{\oplus}$ M 192.2 (ion)
 Tetrafluoroborate:
 $C_{14}H_{10}BF_4N$ M 279.0 Greyish-green plates. Mp 160° dec.
 Iino, Y. *et al*, *J.C.S. Perkin 1*, 1994, 2579 (synth, w)

1,1-Dicyclohexyl-2,2-diphenyldiphosphine, 9CI, 8CI

D-1-00210

C₂₄H₃₂P₂ M 382.4Cryst. V. sol. Me₂CO, THF, CS₂, C₆H₆; sl. sol. Et₂O, petrol. Mp 92°.

1-Oxide: [61385-86-2].

C₂₄H₃₂OP₂ M 398.4 Solid. Mp 121-124°.

2-Oxide: [61385-83-9].

C₂₄H₃₂OP₂ M 398.4 Solid. Mp 160°.

1-Sulfide: [109012-12-6].

C₂₄H₃₂P₂S M 414.5

Disulfide: [3305-80-4].

C₂₄H₃₂P₂S₂ M 446.5 Cryst. (Me₂CO).V. sol. C₆H₆, CS₂; less sol. MeOH,Me₂CO. Mp 193-194°.Isslieb, K. *et al*, *Chem. Ber.*, 1965, **98**, 1093

(synth)

Isslieb, K. *et al*, *J. Prakt. Chem.*, 1969, **311**, 463

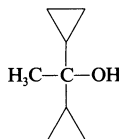
(synth)

Foss, V.L. *et al*, *Zh. Obshch. Khim.*, 1976, **46**, 2382; 1979, **49**, 2418; *J. Gen. Chem. USSR (Engl. Transl.)*, 1976, **46**, 2280; 1979, **49**, 2134 (synth, props)**1,1-Dicyclopropylethanol**

D-1-00211

α-Cyclopropyl-*α*-methylcyclopropanemethanol, 9CI

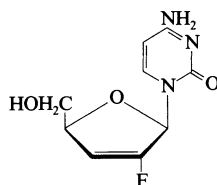
[18895-50-6]

C₈H₁₄O M 126.1Liq. Bp₁₀ 56.6-60°.*Me ether*: 1,1-Dicyclopropyl-1-methoxyethaneC₉H₁₆O M 140.2 Pale yellow oil.Hanack, M. *et al*, *Annalen*, 1963, **663**, 31 (synth)Nishida, S. *et al*, *J. Organomet. Chem.*, 1978,**156**, 37 (synth)Kelly, D.P. *et al*, *J.O.C.*, 1995, **60**, 1651 (synth, ir, cmr)**2',3'-Dideoxy-2',3'-dideoxy-2'-fluorocytidine, 9CI**

D-1-00212

1-(2,3-Dideoxy-2-fluoro-β-D-glycero-2-pentofuranosyl)cytosine

[122757-53-3]

C₉H₁₀FN₃O₃ M 227.1

Cryst. (EtOAc). Mp 157-159°.

Martin, J.A. *et al*, *J. Med. Chem.*, 1990, **33**,

2137 (synth, pmr)

Sterzycki, R.Z. *et al*, *J. Med. Chem.*, 1990, **33**,

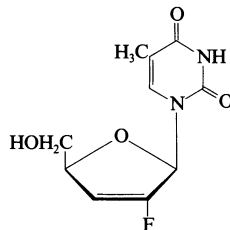
2150 (synth, pmr, ms)

2',3'-Didehydro-2',3'-dideoxy-2'-fluorothymidine

D-1-00213

2',3'-Didehydro-2',3'-dideoxy-2'-fluoro-5-methyluridine, 9CI

[122757-54-4]

C₁₀H₁₁FN₂O₄ M 242.2

Cryst. (EtOAc). Mp 152-154°.

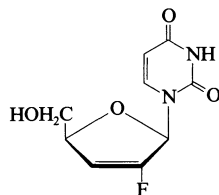
Martin, J.A. *et al*, *J. Med. Chem.*, 1990, **33**,

2137 (synth, pmr)

2',3'-Didehydro-2',3'-dideoxy-2'-fluorouridine

D-1-00214

[122757-52-2]

C₉H₉FN₂O₄ M 228.1

Cryst. (EtOAc/hexane). Mp 162-163°.

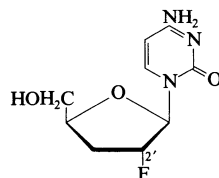
Martin, J.A. *et al*, *J. Med. Chem.*, 1990, **33**,

2137 (synth, pmr)

2',3'-Dideoxy-2'-fluorocytidine, 9CI

D-1-00215

4-Amino-1-(2,3-dideoxy-2-fluoro-β-D-erythro-pentofuranosyl)-2(1H)-pyrimidinone, 9CI. 1-(2,3-Dideoxy-2-fluoro-β-D-erythro-pentofuranosyl)cytosine

C₉H₁₂FN₃O₃ M 229.2

Cryst. (EtOH) (as hydrochloride). Mp 219-220°.

2'-Epimer: [119555-47-4]. F-DDC

C₉H₁₂FN₃O₃ M 229.2 Shows activity against HIV. Cryst. (EtOH). Mp 205-208°. [α]₃₆₅ + 710.15 (c, 1.027 in H₂O), [α]_D²⁰ + 168.7 (c, 0.5 in H₂O).

2'-Epimer, di-Ac: [128115-08-2].

C₁₃H₁₆FN₃O₅ M 313.2 Cryst. (MeOH). Mp 223-224°.Martin, J.A. *et al*, *J. Med. Chem.*, 1990, **33**, 2137 (synth, pmr, ms)Watanabe, K.A. *et al*, *J. Med. Chem.*, 1990, **33**,

2145 (synth, pmr)

Sterzycki, R.Z. *et al*, *J. Med. Chem.*, 1990, **33**,

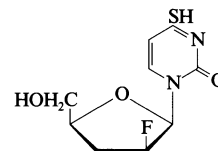
2150 (synth, pmr, cmr, uv, ir)

Okabe, M. *et al*, *J.O.C.*, 1991, **56**, 4392 (synth, pmr, ir)**1-(2,3-Dideoxy-2-fluoro-β-D-threo-pentofuranosyl)-4-thiouracil**

D-1-00216

1-(2,3-Dideoxy-2-fluoro-β-D-threo-pentofuranosyl)-3,4-dihydro-4-thioxo-2(1H)-pyrimidinone, 9CI

[128632-07-5]

C₉H₁₁FN₂O₃S M 246.2Cryst. (EtOH/Et₂O). Mp 134-137°.Sterzycki, R.Z. *et al*, *J. Med. Chem.*, 1990, **33**,

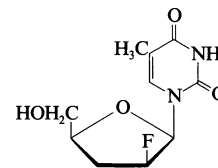
2150 (synth, pmr, cmr, ms)

1-(2,3-Dideoxy-2-fluoro-β-D-threo-pentofuranosyl)thymine

D-1-00217

1-(2,3-Dideoxy-2-fluoro-β-D-threo-pentofuranosyl)-5-methyl-2,4(1H,3H)-pyrimidinedione, 9CI

[121353-89-7]

C₁₀H₁₃FN₂O₄ M 244.2Cryst. (CH₂Cl₂/Et₂O/hexane). Mp 162-164°.Sterzycki, R.Z. *et al*, *J. Med. Chem.*, 1990, **33**,

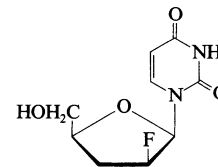
2150 (synth, pmr, cmr, ms)

1-(2,3-Dideoxy-2-fluoro-β-D-threo-pentofuranosyl)uracil

D-1-00218

1-(2,3-Dideoxy-2-fluoro-β-D-threo-pentofuranosyl)-2,4(1H,3H)-pyrimidinedione, 9CI

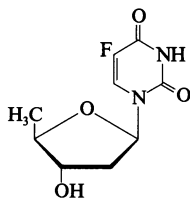
[124424-25-5]

C₉H₁₁FN₂O₄ M 230.1

Cryst. Mp 159-162°.

Sterzycki, R.Z. *et al*, *J. Med. Chem.*, 1990, **33**,

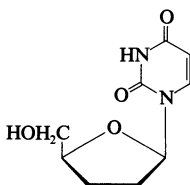
2150 (synth, pmr, cmr)

2',5'-Dideoxy-5-fluorouridine D-1-00219
[61168-97-6]

$C_9H_{11}FN_2O_4$ M 230.1
Cryst. (EtOH). Mp 171-173° (168°).

Cook, A.F. *et al*, *J. Med. Chem.*, 1980, **23**, 852
(*synth*, *pmr*, *w*)

Chae, W.-G. *et al*, *J.O.C.*, 1992, **57**, 1002 (*synth*,
pmr, *F-19 nmr*)

2',3'-Dideoxyuridine, 9CI D-1-00220
[5983-09-5]

$C_9H_{12}N_2O_4$ M 212.2

Used in antiviral and anticancer studies.

Cryst. Mp 127-129°. $[\alpha]_D^{20} +34$ (c, 0.4 in H_2O).

5'-Ac: [102935-28-4].

$C_{11}H_{14}N_2O_5$ M 254.2 Cryst. Mp 80.1-80.6°.

5'-Benzoyl: [28616-91-3].

$C_{16}H_{16}N_2O_5$ M 316.3 Needles
(EtOAc). Mp 143-144°.

Pfützer, K.E. *et al*, *J.O.C.*, 1964, **29**, 1508
(*synth*)

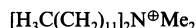
Furukawa, Y. *et al*, *Chem. Pharm. Bull.*, 1970,
18, 554 (*synth*, *benzoyl*, *w*, *pmr*)

Shiragami, H. *et al*, *J.O.C.*, 1988, **53**, 5170

(*synth*, *Ac*, *w*, *pmr*)

Jung, M.E. *et al*, *Tet. Lett.*, 1992, **33**, 2921

(*synth*, *benzoyl*)

Didodecyldimethyl-ammonium(1+), 8CI D-1-00221
N-Dodecyl-N,N-dimethyl-1-dodecanaminium,
9CI

$C_{26}H_{56}N^+$ M 382.7 (ion)

Chloride: [3401-74-9].

$C_{26}H_{56}ClN$ M 418.1 Cryst.
(Et₂O/EtOAc). Mp 130-131°.

Bromide: [3282-73-3].

$C_{26}H_{56}BrN$ M 462.6 Cryst. (EtOAc).
Mp 169-171°.

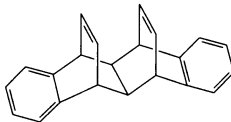
Cipiciani, A. *et al*, *J.C.S. Perkin 2*, 1987, 541
(*synth*)

Didodecylphosphine D-1-00222
[13176-24-4]

$C_{24}H_{51}P$ M 370.6

Liq. Bp_{0.022} 188-195°.

Hays, H.R., *J.O.C.*, 1966, **31**, 3817.

5,12:6,11-Dietheno-5,5a,6,11,11a,12-hexahydronaphthacene D-1-00223
4,5:9,10-Bisbenzotetracyclo[6.2.2.2^{3,6}.0^{2,7}]tetradeca-4,9,11,13-tetraene

$C_{22}H_{18}$ M 282.3

Cryst. (Et₂O/hexane). Mp 204-205°.

Lin, C.T. *et al*, *Tetrahedron*, 1995, **51**, 2907
(*synth*, *ir*, *pmr*, *cmr*, *ms*, *cryst struct*, *props*)

(Diethoxyphosphino)acetic acid D-1-00224

$C_6H_{13}O_4P$ M 180.1

Me ester: [688-44-8].

Methyl(diethoxyphosphino)acetate

$C_7H_{15}O_4P$ M 194.1 Liq. d_4^{20} 1.07. Bp₈
84-85°. n_D^{20} 1.4420.

Et ester: [688-49-3]. Ethyl(diethoxyphosphino)
acetate

$C_8H_{17}O_4P$ M 208.1 Liq. d_4^{20} 1.03. Bp₉
95-96°. n_D^{20} 1.4380.

Proskurnina, M.V. *et al*, *Dokl. Akad. Nauk
SSSR, Ser. Khim.*, 1964, **159**, 619; *CA*, **62**,
6508 (*Me ester*)

Novikova, Z. *et al*, *Zh. Obshch. Khim.*, 1969,
39, 1060 (*synth*, *ir*, *pmr*)

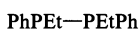
Cao, Y. *et al*, *Aust. J. Chem.*, 1994, **47**, 903 (*Me
ester*, *synth*, *pmr*, *cmr*)

1,1-Diethyl-2,2-diphenyldiphosphine, 9CI D-1-00225
[3040-62-8]

$C_{16}H_{20}P_2$ M 274.2

[3305-81-5]

Harris, R.K. *et al*, *J.C.S. Dalton*, 1979, 826
(*synth*, *cmr*, *P-31 nmr*)

1,2-Diethyl-1,2-diphenyldiphosphine D-1-00226
[3619-93-0]

$C_{16}H_{20}P_2$ M 274.2

Prep. as stereoisomeric mixt. Solid. Mp 48-
50°. Bp₂ 160-164°, Bp_{0.01} 125°.

[26978-40-5]

Issleib, K. *et al*, *Chem. Ber.*, 1966, **99**, 1310
(*synth*)

Issleib, K. *et al*, *Z. Anorg. Allg. Chem.*, 1971,
385, 47; 1977, **437**, 5 (*synth*, *P-31 nmr*)

Appel, R. *et al*, *Chem. Ber.*, 1977, **110**, 376
(*synth*, *P-31 nmr*)

Horner, L. *et al*, *Phosphorus Sulfur Relat. Elem.*,
1980, **8**, 235 (*synth*)

2,2-Diethyl-4-pentenoic acid, 9CI D-1-00227
Diethylallylacetic acid
[67020-02-4]

$C_9H_{16}O_2$ M 156.2

Amide: [512-48-1]. Diethylallylacetamide.

Valdetamide, INN. Epinoval. Novonal.

DAPA

$C_9H_{17}NO$ M 155.2 Mild hypnotic.
Mp 75-76°.

► LD₅₀ (hmn, orl) 300 mg/kg. LD₅₀ (rat, orl)
400 mg/kg. SB2145000.

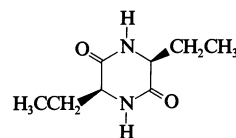
Bockmühl, M. *et al*, *Dtsch. Med. Wochenschr.*,
1928, **54**, 270, 271 (*amide*)

Beyer, K.H., *Dtsch. Apoth. -Ztg.*, 1978, **118**,
1303 (*rev*, *amide*)

Klug, E. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1651
(*anal*, *metab*, *amide*)

Eur. Pat., 33 233, (1981) (*Sterwin*); *CA*, **95**,
203337 (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of
Industrial Materials*, 8th edn., Van Nostrand
Reinhold, 1992, DJU200.

3,6-Diethyl-2,5-piperazinedione D-1-00228

$C_8H_{14}N_2O_2$ M 170.2

(2S,5S)-form

Intermed. for assym. synth. of α,α -disubst.
amino acids. Cryst. flakes. Mp 258-260°.

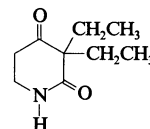
Liu, W. *et al*, *J.C.S. Perkin 1*, 1995, 553 (*synth*,
pmr, *cmr*, *use*)

3,3-Diethyl-2,4-piperidinedione, 9CI D-1-00229

Piperidione. Ascron. Dihyprylone. Sedilan.

Sedulon. Tusseval. Nu 1510

[77-03-2]



$C_9H_{15}NO_2$ M 169.2

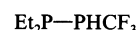
Sedative. Antitussive. Needles (hot H_2O).
Mp 103-105°.

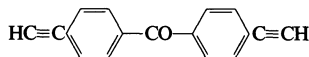
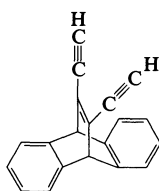
► LD₅₀ (rat, orl) 1100 mg/kg. TM7345500.

Tsukita, K. *et al*, *Yakugaku Zasshi*, 1949, **69**,
194; *CA*, **44**, 1506h (*synth*)

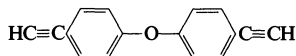
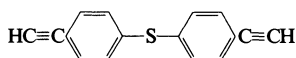
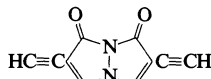
Kohei, I., *CA*, 1959, **53**, 20580e (*pharmacol*)

Bernard, K. *et al*, *CA*, 1959, **53**, 7408f (*metab*)
Martindale, The Extra Pharmacopoeia, 30th
edn., Pharmaceutical Press, London, 1993,
751.

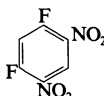
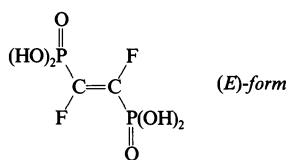
1,1-Diethyl-2-(trifluoromethyl)diphosphine D-1-00230
[117583-76-3]

C₅H₁₁F₃P₂ M 190.0Avens, L.R. *et al*, *Inorg. Chem.*, 1989, **28**, 200, 205 (*synth*, *F-19 nmr*, *P-31 nmr*)**4,4'-Diethynylbenzophenone** D-1-00231*Bis(4-ethynylphenyl)methanone*
[147613-78-3]C₁₇H₁₀O M 230.2
Mp 154-155°.Royles, B.J.L. *et al*, *J.C.S. Perkin 1*, 1994, 355 (*synth*)**11,12-Diethynyl-9,10-dihydro-9,10-ethenoanthracene** D-1-00232C₂₀H₁₂ M 252.3
Unstable cryst.

► Has exploded.

Diederich, F. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1441 (*synth*, *pmr*, *cmr*)**4,4'-Diethynyldiphenyl ether** D-1-00233*1,1'-Oxybis[4-ethynylbenzene]*
[21368-80-9]C₁₆H₁₀O M 218.2
Mp 77-77.5° (72°).Royles, B.J.L. *et al*, *J.C.S. Perkin 1*, 1994, 355.**4,4'-Diethynyldiphenyl sulfide** D-1-00234*1,1'-Thiobis[4-ethynylbenzene]*
[27594-21-4]C₁₆H₁₀S M 234.3
Mp 117-120° (114-116°).*S,S-Dioxide: 4,4'-Diethynyldiphenyl sulfone*
C₁₆H₁₀O₂S M 266.3 Mp 177-178.5° (160°).Royles, B.J.L. *et al*, *J.C.S. Perkin 1*, 1994, 355.**2,6-Diethynyl-1H,7H-pyrazolo[1,2-a]pyrazole-1,7-dione** D-1-00235*9CI**syn-(Hydro,ethynyl)binane. 3,7-Diethynyl-1,5-diazabicyclo[3.3.0]octa-3,6-diene-2,8-dione*
[153498-38-5]C₁₀H₄N₂O₂ M 184.1

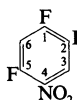
Red-orange cryst. Fluoresces strongly in MeCN soln.

Kosower, E.M. *et al*, *Chem. Comm.*, 1993, 1644 (*synth*, *ir*, *pmr*, *cryst struct*, *uv*)**1,5-Difluoro-2,4-dinitrobenzene** D-1-00236*9CI*
[327-92-4]C₆H₂F₂N₂O₄ M 204.0Protein cross-linking agent. Cryst. Mp 74-75°. Bp₂ 132°.*Aldrich Library of FT-IR Spectra, 1st edn.*, 3, 1217A.*Aldrich Library of NMR Spectra, 2nd edn.*, 1, 1183A.Swarts, F., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1915, **35**, 154 (*synth*)*Ger. Pat.*, 1 018 042, (1953); *CA*, **53**, 17054f (*synth*)*U.S. Pat.*, 2 891 074, (1954); *CA*, **53**, 16057g (*synth*)Marley, P. *et al*, *Carlsberg Res. Commun.*, 1984, **49**, 591; *CA*, **102**, 167132f (*use*)*Eur. Pat.*, 246 809, (1987); *CA*, **108**, 62501w (*use*)**1,2-Difluoro-1,2-ethylenediphosphonic acid** D-1-00237*(1,2-Difluoro-1,2-ethenediyl)bisphosphonic acid*C₂H₄F₂O₆P₂ M 223.9

Syrup (mixt. of geom. isomers).

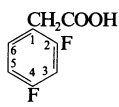
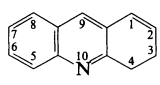
(E)-form [126295-81-6]*Tetra-Et ether*: [120932-35-6].C₁₀H₂₀F₂O₆P₂ M 336.2 Liq. Bp₁ 180-186°.*Tetrakis(trimethylsilyl) ester*: [130335-55-6].*Tetrakis(trimethylsilyl) (1,2-difluoro-1,2-ethenediyl)bisphosphonate*C₁₄H₃₆F₂O₆P₂Si₄ M 512.7 Viscous liq. [120932-34-5, 130312-53-7, 130312-54-8]Dittrich, R. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1981, **10**, 127 (*ester, synth*, *F-19 nmr*)Kadyrov, A.A. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1988, 1855; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1988, 1686 (*synth*, *pmr*, *ms*)Sprague, L.G. *et al*, *J. Fluorine Chem.*, 1990, **49**, 75 (*ester, synth*, *ir*, *F-19 nmr*, *P-31 nmr*)Su, D. *et al*, *J.A.C.S.*, 1990, **112**, 3152 (*synth*, *ms*, *pmr*, *F-19 nmr*, *P-31 nmr*)**1,5-Difluoro-2-iodo-4-nitrobenzene** D-1-00238

[148388-74-3]

C₆H₂F₂INO₂ M 284.9Liq. Bp_{0.1} 65-67°.Olah, G.A. *et al*, *J.O.C.*, 1993, **58**, 3194 (*synth*, *cmr*, *ms*)**2,4-Difluoro-3-mercaptopbenzoic acid** D-1-00239C₇H₄F₂O₂S M 190.1*S-Me*:C₈H₆F₂O₂S M 204.1 Cryst. solid (heptane/Et₂O). Mp 169-171°.Bennetau, B. *et al*, *J.C.S. Perkin 1*, 1995, 1265 (*synth*, *pmr*, *cmr*)**3,4-Difluoro-2-mercaptopbenzoic acid** D-1-00240C₇H₄F₂O₂S M 190.1*S-Me*:C₈H₆F₂O₂S M 204.1 Cryst. solid (heptane/Et₂O). Mp 149-150°.Bennetau, B. *et al*, *J.C.S. Perkin 1*, 1995, 1265 (*synth*, *pmr*, *cmr*, *F-19 nmr*)**(Difluoromethyl) diphenylphosphine** D-1-00241Ph₂PCHF₂C₁₃H₁₁F₂P M 236.2*Oxide*: [129932-29-2].C₁₃H₁₁F₂OP M 252.2 Wittig-Horner reagent for synth. of 1,1-difluoroalkenes. Solid. Mp 93-94°.Edwards, M.L. *et al*, *Tet. Lett.*, 1990, **31**, 5571 (*synth*, *ir*, *pmr*, *F-19 nmr*, *use*)**(Difluoromethyl)phenyl selenide** D-1-00242[(*Difluoromethyl*)seleno]benzene, *9CI*
[101220-61-5]F₂CHSePhC₇H₆F₂Se M 207.0Oil. Bp₃₅ 89-90°, Bp₉ 63-64°.*Se-Oxide*: [147912-92-3]. [(*Difluoromethyl*)seleninyl]benzene, *9CI*C₇H₆F₂OSe M 223.0 Cryst. (hexane). Mp 97-98°.Suzuki, H. *et al*, *Synthesis*, 1985, 497 (*synth*, *ir*, *pmr*)Uneyama, K. *et al*, *J.O.C.*, 1995, **60**, 370 (*synth*, *ir*, *pmr*, *cmr*, *F-19 nmr*)**(Difluoromethyl) phenyl telluride** D-1-00243

[101220-66-0]

F₂CHTePhC₇H₆F₂Te M 255.7Oil. Bp₁₉ 100-101°.Suzuki, H. *et al*, *Synthesis*, 1985, 497 (*synth*, *ir*, *pmr*)

- [1,2-Difluoro-2-(pentafluoro-λ⁶-sulfonyl)ethenyl] phosphonic acid** **D-1-00244**
(2-Phosphono-1,2-difluoroethenyl) pentafluorosulfur
 $F_5SCF=CF(O)(OH)_2$
 $C_2H_2F_7O_3PS$ M 270.0
Di-Et ester: [2-(Diethoxyphosphinyl)-1,2-difluoroethenyl]pentafluorosulfur, 9CI
 $C_6H_{10}F_7O_3PS$ M 326.1 Liq. Bp_{0.04} 38°, Bp_{0.001} 37°. Approx. 1:1 (E)/(Z) composition.
Bis(trimethylsilyl) ester: [2-Bis(trimethylsilyloxyphosphinyl)-1,2-difluoroethenyl]pentafluorosulfur, 9CI
 $C_8H_{18}F_7O_3PSSi_2$ M 414.4 Liq. Bp_{0.1} 72°, Bp_{0.001} 38°. Approx. 1:1 (E)/(Z) composition.
[133640-79-6, 133640-80-9]
Wessolowski, H. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **60**, 201 (*synth, ms, ir, F-19 nmr, P-31 nmr*)
Wessolowski, H. *et al*, *Z. Naturforsch., B*, 1991, **46**, 126 (*synth, ms, ir, F-19 nmr, P-31 nmr*)
- 2,4-Difluorophenylacetic acid** **D-1-00245**
2,4-Difluorobenzeneacetic acid, 9CI
[81228-09-3]

 $C_8H_6F_2O_2$ M 172.1
Mp 117-119°.
Nitrile: [656-35-9].
 $C_8H_5F_2N$ M 153.1 d 1.25. Bp₁₀ 98°.
[95299-17-5, 129409-54-7]
Jerumanis, S. *et al*, *Bull. Soc. Chim. Belg.*, 1960, **69**, 312 (*nitrile*)
Eur. Pat., 41 233, (1981); *CA*, **96**, 142442 (*synth*)
Ger. Pat., 3 314 249, (1984); *CA*, **102**, 113053 (*synth, ester*)
Mattiello, L. *et al*, *J.C.S. Perkin 2*, 1990, 1041 (*ester, pmr*)
- 2,6-Difluorophenylacetic acid** **D-1-00246**
2,6-Difluorobenzeneacetic acid
[85068-28-6]
 $C_8H_6F_2O_2$ M 172.1
Mp 100-102°.
Nitrile: [654-01-3].
 $C_8H_5F_2N$ M 153.1 d 1.24. Bp₂₇ 109°.
Jerumanis, S. *et al*, *Bull. Soc. Chim. Belg.*, 1960, **69**, 312.
- 3,4-Difluorophenylacetic acid** **D-1-00247**
3,4-Difluorobenzeneacetic acid
[658-93-5]
 $C_8H_6F_2O_2$ M 172.1
Cryst. (hexane). Mp 46-50° (40-42°).
Nitrile: [658-99-1].
 $C_8H_5F_2N$ M 153.1 d 1.24. Bp₁₃ 110-120°.
[129409-55-8]
Aldrich Library of FT-IR Spectra, 1st edn., 1405A.
Baltzly, R. *et al*, *J.O.C.*, 1961, **26**, 2353 (*synth*)
- Difluorophenylacetic acid** **D-1-00248**
α,α-Difluorobenzeneacetic acid
[360-03-2]
 $PhCF_2COOH$
 $C_8H_6F_2O_2$ M 172.1
Cryst. (CFCl₃ or petrol). Mp 76-77° (62-63°).
Me ester: [56071-96-6].
 $C_9H_8F_2O_2$ M 186.1 Bp₂₀ 100-101°.
Chloride:
 $C_8H_5ClF_2O$ M 190.5 Bp₁₅ 67-68°.
Amide: [383-19-7].
 $C_8H_7F_2NO$ M 171.1 Cryst. (C₆H₆ or H₂O). Mp 114-115°.
Nitrile: [2002-72-4]. *α,α-Difluorobenzeneacetonitrile*.
Cyanodifluorophenylmethane. *α-Cyano-α,α-difluorotoluene*
 $C_8H_5F_2N$ M 153.1 Liq. Bp₉₈ 94-95°.
[2248-46-6]
Middleton, W.J. *et al*, *J.O.C.*, 1980, **45**, 2883 (*synth*)
Taguchi, T. *et al*, *Tet. Lett.*, 1986, **27**, 6103 (*synth, ester*)
- 1,3-Difluoropropane** **D-1-00249**
[462-39-5]
 $FCH_2CH_2CH_2F$
 $C_3H_6F_2$ M 80.0
d₄²⁵ 1.00. Bp 40-42°. n_D²⁰ 1.3190.
Hoffman, F.W., *J.O.C.*, 1949, **14**, 105.
- 2,2-Difluoropropane** **D-1-00250**
[420-45-1]
 $H_3CCF_2CH_3$
 $C_3H_6F_2$ M 80.0
Formerly used as aerosol propellant. Bp -1°.
Austin, P.R. *et al*, *J.A.C.S.*, 1953, **75**, 4834.
Hasek, W.R. *et al*, *J.A.C.S.*, 1960, **82**, 543.
Stevens, T.E., *J.O.C.*, 1961, **26**, 1627.
White, H.F., *Anal. Chem.*, 1965, **27**, 405 (*pmr, F-19 nmr*)
Kerr, J.A. *et al*, *J.C.S.(A)*, 1966, 1621.
- 1,2-Difluoro-1,1,2,2-tetraphenylethane** **D-1-00251**
1,1',1'',1'''-(1,2-Difluoro-1,2-ethanediylidene) tetrakisbenzene, 9CI
[137742-81-5]
 $Ph_2CF_2CFPh_2$
 $C_{26}H_{20}F_2$ M 370.4
Cryst. (petrol). Mp 240-241°.
Zupan, M. *et al*, *J.C.S. Perkin 1*, 1993, 2851 (*synth, pmr, F-19 nmr*)
- 1,2-Difluoro-1,1,2-triphenylethane** **D-1-00252**
1,1',1''-(1,2-Difluoro-1-ethanyl-2-ylidene) trisbenzene, 9CI
[125440-38-2]
 $Ph_2CFCHPh$
 $C_{20}H_{16}F_2$ M 294.3
- (±)-form**
Cryst. (petrol). Mp 120°.
Zupan, M. *et al*, *J.C.S. Perkin 1*, 1993, 2851 (*synth, pmr, F-19 nmr*)
- Diheptyl disulfide, 9CI** **D-1-00253**
[10496-16-9]
 $H_3C(CH_2)_6SS(CH_2)_6CH_3$
 $C_{14}H_{30}S_2$ M 262.5
Oil. Bp₁₂ 165-167°. n_D²⁰ 1.4870.
S,S,S',S'-Tetraoxide: Diheptyl disulfone, 9CI
 $C_{14}H_{30}O_4S_2$ M 326.5 Plates (hexane). Mp 91.5-92.5°.
Westlake, H.E. *et al*, *J.A.C.S.*, 1942, **64**, 149 (*synth*)
Allen, P. *et al*, *J.O.C.*, 1951, **16**, 767 (*disulfone*)
Chorbadjiev, S. *et al*, *Rev. Roum. Chim.*, 1981, **26**, 1447 (*synth*)
Zhang, Y. *et al*, *Synth. Commun.*, 1994, **24**, 2893 (*synth, pmr*)
- Diheptyl ether** **D-1-00254**
1,1'-Oxybisheptane. Heptyl ether
[629-64-1]
 $H_3C(CH_2)_6O(CH_2)_6CH_3$
 $C_{14}H_{30}O$ M 214.3
Liq. d 0.80. Bp 256-258°. n_D²⁰ 1.4275.
Vogel, A.I., *J.C.S.*, 1948, 618.
- Dihexyl disulfide, 9CI** **D-1-00255**
[10496-15-8]
 $H_3C(CH_2)_5SS(CH_2)_5CH_3$
 $C_{12}H_{26}S_2$ M 234.4
Oil. Bp₁₅ 162-166°, Bp_{0.1} 98-100°. n_D²⁰ 1.4870.
S,S,S',S'-Tetraoxide: [63450-69-1]. Dihexyl disulfone, 9CI
 $C_{12}H_{26}O_4S_2$ M 298.4 Plates (hexane). Mp 74.1-74.9°.
Allen, P. *et al*, *J.O.C.*, 1951, **16**, 767 (*disulfone*)
Chorbadjiev, S. *et al*, *J. Prakt. Chem.*, 1977, **319**, 1036 (*synth*)
Bittell, J.E. *et al*, *J.O.C.*, 1978, **43**, 1687 (*synth*)
Kuliev, A.B. *et al*, *Zh. Org. Khim.*, 1978, **14**, 661; *J. Org. Chem. USSR (Engl. Transl.)*, 1978, **14**, 611 (*synth*)
Zhang, Y. *et al*, *Synth. Commun.*, 1994, **24**, 2893 (*synth, pmr*)
- Dihexyl ether** **D-1-00256**
1,1'-Oxybis-hexane. Hexyl ether
[112-58-3]
 $H_3C(CH_2)_5O(CH_2)_5CH_3$
 $C_{12}H_{26}O$ M 186.3
Liq. d 0.79. Bp 219-222°, Bp₅ 80-83°. n_D²⁰ 1.4204.
Vogel, A.I., *J.C.S.*, 1948, 618.
- 3,4-Dihydroacridine** **D-1-00257**
[37624-10-5]

 $C_{13}H_{11}N$ M 181.2

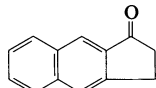
Cryst. (hexane). Mp 45-46°.

Boyd, D.R. *et al*, *J.O.C.*, 1994, **59**, 984 (*synth*, *pmr*)

2,3-Dihydro-1*H*-benz[*f*]inden-1-one, 9CI

*Benz[*f*]indan-1-one*

[109341-49-3]



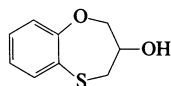
$C_{13}H_{10}O$ M 182.2
Cryst. (EtOH aq.). Mp 144-145°.

Horner, L. *et al*, *Chem. Ber.*, 1959, **92**, 2953 (*synth*)

Morris, J.L. *et al*, *J.O.C.*, 1994, **59**, 6484 (*synth*, *pmr*)

3,4-Dihydro-2*H*-1,5-benzoxathiepin-3-ol, 9CI

*3,4-Dihydro-3-hydroxy-2*H*-1,5-benzoxathiepin*
[85615-06-1]



$C_9H_{10}O_2S$ M 182.2

(±)-*form*

Cryst. (aq. EtOH). Mp 78°, Mp 93-94°.

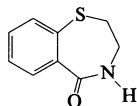
Cabiddu, S. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1983, **14**, 151 (*synth*)

Sugihara, H. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 1919 (*synth*, *ir*, *pmr*, *ms*)

Ceroni, G. *et al*, *J. Het. Chem.*, 1994, **31**, 1151 (*cryst struct*)

3,4-Dihydro-1,4-benzothiazepin-5(2*H*)-one, 9CI

[14944-00-4]



C_9H_9NOS M 179.2

Cryst. (MeOH or Me₂CO). Mp 191-191.5°.

N-Me: [14946-36-2].

$C_{10}H_{11}NOS$ M 193.2 Rods
(C₆H₆/petrol). Mp 67-69°.

S-Oxide: [23103-66-4].

$C_9H_9NO_2S$ M 195.2 Needles (H₂O);
cryst. (MeCN). Mp 233-234° (224°).

S,S-Dioxide: [14953-96-9].

$C_9H_9NO_3S$ M 211.2 Leaflets (H₂O).
Mp 248-250° (241-241.5°).

Jokob, F. *et al*, *Chem. Ber.*, 1963, **96**, 88 (*synth*)

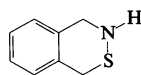
Wünsch, K.-H. *et al*, *Chem. Ber.*, 1969, **102**,
1618 (*synth*, *oxides*)

Nair, M.D. *et al*, *Indian J. Chem.*, 1969, **7**, 862
(*oxides*)

Bose, A.K. *et al*, *J.C.S. Perkin I*, 1976, 2343
(*synth*)

3,4-Dihydro-1*H*-2,3-benzothiazine

D-1-00261



C_8H_9NS M 151.2

S,S-Dioxide: [33183-87-8].

$C_8H_9NO_2S$ M 183.2 Cryst. (EtOAc).
Mp 142-143°.

N-Me, *S,S*-dioxide: [61199-72-2]. *3,4-Dihydro-3-methyl-1*H*-2,3-benzothiazine 2,2-dioxide, 9CI*

$C_9H_{11}NO_2S$ M 197.2 Cryst.
(diisopropyl ether). Mp 74-75°.

N-Et, *S,S*-dioxide: [33050-15-6].

$C_{10}H_{13}NO_2S$ M 211.2 Cryst. Mp 70-
71°.

N-Isopropyl, *S,S*-dioxide: [110654-43-8].

$C_{11}H_{15}NO_2S$ M 225.3 Cryst.
(diisopropyl ether). Mp 90-91°.

N-Benzyl, *S,S*-dioxide: [110654-44-9].

$C_{15}H_{15}NO_2S$ M 273.3 Cryst.
(diisopropyl ether). Mp 84-85°.

Orazai, O.O. *et al*, *J. Het. Chem.*, 1986, **23**,
1701 (*synth*, *deriv*, *pmr*, *ir*)

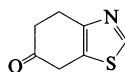
Zinczuk, J. *et al*, *Org. Mass Spectrom.*, 1990,
25, 517 (*ms*)

Rivero, B.E. *et al*, *Acta Cryst. C*, 1991, **47**, 2501
(*cryst struct*, *dioxide*)

4,7-Dihydro-6(5*H*)-benzothiazolone

D-1-00262

[70590-43-1]



C_7H_7NOS M 153.2

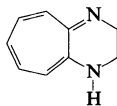
Light yellow waxy solid. Bp_{0.08} 100° (oven).

Kozikowski, A.P. *et al*, *Helv. Chim. Acta*, 1994,
77, 1256 (*synth*, *ir*, *cmr*)

2,3-Dihydro-1*H*-cycloheptapyrazine, 9CI

D-1-00263

[120624-12-6]



$C_9H_{10}N_2$ M 146.1

Shows rapid prototropy between two
(equivalent) structs. Pale yellow needles.

Mp 134°. In general, acylation gives
mostly ring-opened products.

N-Benzoyl: [161013-06-5].

$C_{16}H_{14}N_2O$ M 250.2 Deep yellow oil.

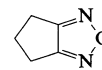
N-Me: [124293-38-5].

$C_{10}H_{12}N_2$ M 160.2 Red-brown oil.

Nozoe, T. *et al*, *Heterocycles*, 1989, **28**, 733
(*synth*, *uv*, *pmr*, *tautom*)

Kawamata, Y. *et al*, *J. Het. Chem.*, 1994, **31**,
1553.

5,6-Dihydro-4*H*-cyclopenta[*c*]furazan



$C_5H_6N_2O$ M 110.1

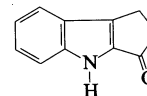
Cryst. (Et₂O). Mp 40.5-41°.

Tokura, N. *et al*, *Bull. Chem. Soc. Jpn.*, 1965,
35, 722 (*synth*)

Sheremet'ev, A.B., *J. Het. Chem.*, 1995, **32**, 571
(*rev*)

1,4-Dihydrocyclopent[*b*]indol-3(2*H*)-one, 9CI

[16244-15-8]



$C_{11}H_9NO$ M 171.1

Yellow needles (EtOH); prisms (AcOH). Mp
252-252.5°.

Oxime: [22942-83-2].

$C_{11}H_{10}N_2O$ M 186.2 Cryst. (EtOH
aq. or MeOH aq.). Mp 162-163°.

Semicarbazone: [22942-85-4].

Mp 226° dec.

N-Ac: [65602-71-3].

$C_{13}H_{11}NO_2$ M 213.2 Yellow needles.
Mp 151-152°.

N-Me: [16244-16-9]. *1,4-Dihydro-4-*

*methylcyclopent[*b*]indol-3(2*H*)-one*

$C_{12}H_{11}NO$ M 185.2 Needles (EtOH).
Mp 133-134°.

Elks, J. *et al*, *J.C.S.*, 1944, 624 (*synth*)

Jennings, K.F., *J.C.S.*, 1957, 497 (*synth*, *uv*, *ir*)

Uhle, F.C. *et al*, *J.A.C.S.*, 1960, **82**, 1200 (*synth*)

Ishizumi, K. *et al*, *Chem. Pharm. Bull.*, 1967, **15**,
863, 1010 (*synth*, *N*-Me, *uv*, *ir*, *pmr*)

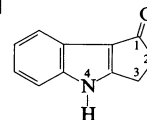
Nagarajan, K. *et al*, *Indian J. Chem.*, 1969, **7**,
319 (*synth*, *oxime*)

Nagasaka, T. *et al*, *Chem. Pharm. Bull.*, 1977,
25, 3023 (*N*-Ac)

Teranishi, K. *et al*, *Synthesis*, 1995, 506 (*N*-Ac)

3,4-Dihydrocyclopent[*b*]indol-1(2*H*)-one, 9CI

[61364-20-3]



$C_{11}H_9NO$ M 171.1

Pale tan prisms. Mp 252-253°.

N-Me: [50776-26-6]. *3,4-Dihydro-4-*

*methylcyclopent[*b*]indol-1(2*H*)-one, 9CI*

$C_{12}H_{11}NO$ M 185.2 Mp 209-210°.

N-Me, *oxime*: [122852-74-8].

$C_{12}H_{12}N_2O$ M 200.2 Mp 219-224°
dec.

Oikawa, Y. *et al*, *J.O.C.*, 1977, **42**, 1213 (*synth*,
uv)

Iida, H. *et al*, *J.O.C.*, 1980, **45**, 2938 (*synth*)

Kaneiko, C. *et al*, *Chem. Pharm. Bull.*, 1982, **30**,
74 (*synth*, *pmr*)

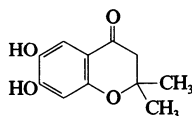
Robinson, B., *J. Het. Chem.*, 1987, **24**, 1321
(*synth*, *uv*)

3,4-Dihydrocyclopent[*b*]indol-2(1*H*)-one, 9CI

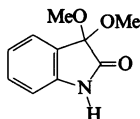
[150670-63-6]

$C_{11}H_9NO$ M 171.1

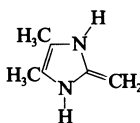
Mp 184-186°.

Franceschetti, L. *et al*, *Tet. Lett.*, 1993, **34**, 3185
(*synth*, *pmr*)**2,3-Dihydro-6,7-dihydroxy-2,2-dimethyl-4H-1-benzopyran-4-one** **D-1-00268**6,7-Dihydroxy-2,2-dimethylchromanone
[76348-95-3] $C_{11}H_{12}O_4$ M 208.2
Cryst. (EtOH aq.). Mp 208-209°.6-*Me ether*: [74094-45-4]. 2,3-Dihydro-7-hydroxy-6-methoxy-2,2-dimethyl-4H-1-benzopyran-4-one, 9CI $C_{12}H_{14}O_4$ M 222.2 Cryst. (MeOH).
Mp 113-114° (107°).7-*Me ether*: [74094-44-3]. 2,3-Dihydro-6-hydroxy-7-methoxy-2,2-dimethyl-4H-1-benzopyran-4-one, 9CI. 6-Hydroxy-7-methoxy-2,2-dimethylchromanone
 $C_{12}H_{14}O_4$ M 222.2 Mp 98-100°, Mp 136-137°, Mp 150-151° (143-144°).*Di-Me ether*: [65383-61-1]. 2,3-Dihydro-6,7-dimethoxy-2,2-dimethyl-4H-1-benzopyran-4-one, 9CI. 6,7-Dimethoxy-2,2-dimethylchromanone
 $C_{13}H_{16}O_4$ M 236.2 Isol. from the leaf resin of *Nama hispidum*. Cryst. Mp 106° (103-104°).

[74094-45-4]

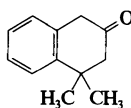
Camps, F. *et al*, *Synthesis*, 1980, 725 (*synth*, *ethers*, *pmr*, *ir*)Shoja, M., *Acta Cryst. C*, 1988, **44**, 1853 (*cryst struct*, *deriv*)Timar, T. *et al*, *J. Het. Chem.*, 1988, **25**, 871
(*synth*, *pmr*, *bibl*)Duddeck, H. *et al*, *Magn. Reson. Chem.*, 1989, **27**, 170 (O-17 nmr)Brown, P.E. *et al*, *J.C.S. Perkin 1*, 1990, 2979
(*di-Me ether*)Miranda, M.A. *et al*, *Heterocycles*, 1991, **32**, 1159 (*ethers*)Mulchandani, N.B. *et al*, *Indian J. Chem., Sect. B*, 1992, **31**, 338 (*ether*)Roitman, J.N. *et al*, *Phytochemistry*, 1993, **33**, 936 (*isol*, *deriv*)Timár, T. *et al*, *Synthesis*, 1994, 837 (6-*Me ether*)**1,3-Dihydro-3,3-dimethoxy-2H-indol-2-one, 9CI** **D-1-00269**3,3-Dimethoxy-2-indolinone
[66346-69-8] $C_{10}H_{11}NO_3$ M 193.2
Cryst. (CH₂Cl₂/hexane). Mp 94°.N-*Et*: $C_{12}H_{15}NO_3$ M 221.2 Bp_{0.6} 125-128°.Wenkert, E. *et al*, *Synth. Commun.*, 1977, **7**, 541
(*synth*, *ir*, *pmr*, *ms*)De, A. *et al*, *Acta Cryst. C*, 1991, **47**, 2384
(*cryst struct*)**2,3-Dihydro-4,5-dimethyl-2-methylene-1H-imidazole, 9CI** **D-1-00270**

4,5-Dimethyl-2-methyleneimidazole

 $C_6H_{10}N_2$ M 110.11,3-*Di-Me*: [151843-01-5]. $C_8H_{14}N_2$ M 138.2 Solid. Highly air-sensitive.Kuhn, N. *et al*, *Chem. Comm.*, 1993, 1136
(*synth*, *pmr*, *cmr*, *ms*, *cryst struct*)**3,4-Dihydro-4,4-dimethyl-2(1H)-naphthalenone** **D-1-00271**

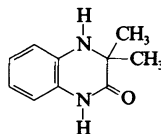
4,4-Dimethyl-2-tetralone

[83810-57-5]

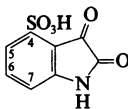
 $C_{12}H_{14}O$ M 174.2Viscous liq. d_4^{23} 1.05. Bp₁₆ 149-150°, Bp_{0.2} 91-92°. n_D^{23} 1.5412.*Semicarbazone*: Yellow cryst. Mp 181°.Colonge, J. *et al*, *Bull. Soc. Chim. Fr.*, 1947, 1002 (*synth*)Vebrel, J. *et al*, *Bull. Soc. Chim. Fr.*, 1982, **II**, 161 (*synth*, *ir*, *pmr*)Pendergast, W. *et al*, *J. Med. Chem.*, 1993, **36**, 2279 (*synth*)**3,4-Dihydro-3,3-dimethyl-2(1H)-quinoxalinone, 9CI** **D-1-00272**

1,2,3,4-Tetrahydro-3,3-dimethyl-2-quinoxalinone

[80636-30-2]

 $C_{10}H_{12}N_2O$ M 176.2Cryst. (CH₂Cl₂/hexane). Mp 179-181° (173-174°).Hinsberg, O., *Annalen*, 1896, **292**, 245.Lai, J.T., *Synthesis*, 1982, 71 (*synth*, *ir*, *pmr*)TenBrink, R. *et al*, *J. Med. Chem.*, 1994, **37**, 758 (*synth*, *pmr*)**2,3-Dihydro-2,3-dioxo-1H-indole-4-sulfonic acid** **D-1-00273**

4-Isatinsulfonic acid

 $C_8H_5NO_5S$ M 227.1

Microscopic orange-brown cryst. Dec. 183° without melting.

Giovannini, E. *et al*, *Helv. Chim. Acta*, 1957, **31**, 249 (*synth*)**2,3-Dihydro-2,3-dioxo-1H-indole-5-sulfonic acid, 9CI** **D-1-00274**

5-Isatinsulfonic acid. 2,3-Dioxo-5-indolinesulfonic acid, 8CI

[7313-70-4]

 $C_8H_5NO_5S$ M 227.1

Yellow-brown microcryst. Mp 145-147°.

Chloride: [132898-96-5]. $C_8H_4ClNO_4S$ M 245.6 Yellow powder (Me₂CO/C₆H₆). Mp 150-151°.*Amide*: [3456-82-4]. $C_8H_6N_2O_4S$ M 226.2 Cryst. (DMSO aq.). Mp > 320°.

[30755-41-0]

Giovannini, E. *et al*, *Helv. Chim. Acta*, 1957, **31**, 249 (*synth*)**2,3-Dihydro-2,3-dioxo-1H-indole-6-sulfonic acid** **D-1-00275**

6-Isatinsulfonic acid

 $C_8H_5NO_5S$ M 227.1

Orange cryst. Mp > 290° dec.

Giovannini, E. *et al*, *Helv. Chim. Acta*, 1957, **31**, 249 (*synth*)**2,3-Dihydro-2,3-dioxo-1H-indole-7-sulfonic acid** **D-1-00276**

7-Isatinsulfonic acid

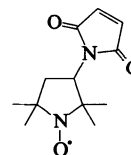
 $C_8H_5NO_5S$ M 227.1

Yellow cryst. Mp > 350° dec.

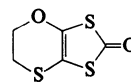
Giovannini, E. *et al*, *Helv. Chim. Acta*, 1957, **31**, 249 (*synth*)**3-(2,5-Dihydro-2,5-dioxo-1H-pyrrol-2-yl)-2,2,5,5-tetramethyl-1-pyrrolidinyloxy, 9CI** **D-1-00277**

3-Maleimido-2,2,5,5-tetramethyl-1-pyrrolidinyloxy. 3-Maleimido-PROXYL

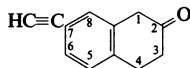
[5389-27-5]

 $C_{12}H_{17}N_2O_3$ M 237.2

Free radical. Spin label for thiol groups. Mp 111-113°.

Griffith, O.H. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1966, **55**, 8 (*synth*)Houstek, J. *et al*, *FEBS Lett.*, 1983, **154**, 185
(*use*)**5,6-Dihydro-1,3-dithiolo[4,5-*b*][1,4]oxathiin-2-one, 9CI** **D-1-00278**(Dihydro-1,4-oxathiino)-1,3-dithiole-2-one
[156119-23-2] $C_5H_4O_2S_3$ M 192.2Hellberg, J. *et al*, *Chem. Comm.*, 1994, 817
(*synth*, *pmr*, *cmr*, *ms*)

3,4-Dihydro-7-ethynyl-2(1H)-naphthalenone, 9CI **D-1-00279**
7-Ethynyl-2-tetralone
[139988-09-3]



$C_{12}H_{10}O$ M 170.2

Pendergast, W. *et al*, *J. Med. Chem.*, 1993, **36**, 2279 (*synth*, *pmr*)

2,3-Dihydro-7-hydroxy-4H-1-benzopyran-4-one, 9CI **D-1-00280**
7-Hydroxy-4-chromanone
[76240-27-2]

$C_9H_8O_3$ M 164.1

Needles (H_2O). Mp 143°.

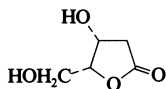
Trifluoromethanesulfonyl:

$C_{10}H_7F_3O_5S$ M 296.2 Cryst. Mp 43-44°.

Dann, V.O. *et al*, *Annalen*, 1954, **587**, 16 (*synth*)
Koch, K. *et al*, *J.O.C.*, 1994, **59**, 1216 (*synth*, *ir*, *pmr*)

4,5-Dihydro-4-hydroxy-5-(hydroxymethyl)-2(3H)-furanone **D-1-00281**

3-Hydroxy-4-hydroxymethyl-4-butanolide.
3,4,5-Trihydroxypentanoic acid 1,4-lactone



(4*R*,5*R*)-form

$C_5H_8O_4$ M 132.1

Satiety-modulating substance in rats.

(4*R*,5*R*)-form
Oil. $[\alpha]_D^{24} + 67.3$ (c, 1.01 in MeOH) (+49.3).

(4*S*,5*R*)-form
 $[\alpha]_D^{25} - 4.5$ (c, 1.44 in EtOH) (-1.5).

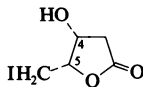
Fernández, M.V. *et al*, *Tetrahedron*, 1990, **46**, 7911 (*synth*, *pmr*, *cmr*)

Matsumoto, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1995, **68**, 670 (*synth*)

Dihydro-4-hydroxy-5-(iodomethyl)-2(3H)-furanone **D-1-00282**

3-Hydroxy-4-(iodomethyl)- γ -butyrolactone.

2,5-Dideoxy-5-iodopentonic acid γ -lactone, 9CI



$C_5H_7IO_3$ M 242.0

(4*R*,5*S*)-form [152442-10-9]

D-threo-form

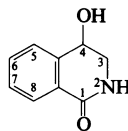
Cryst. (hexane/ CH_2Cl_2). Mp 68-70°. $[\alpha]_D^{25} - 39.61$ (c, 1.15 in $CHCl_3$).

[81357-33-7, 82166-98-1, 83602-73-7, 86390-93-4, 152442-11-0, 159811-83-3]

Chamberlin, A.R. *et al*, *J.A.C.S.*, 1983, **105**, 5819 (*synth*, *pmr*, *ir*)

Takahara, H. *et al*, *J.O.C.*, 1994, **59**, 7201 (*synth*, *ir*, *pmr*, *cmr*)

3,4-Dihydro-4-hydroxy-1(2H)-isoquinolinone, 9CI **D-1-00283**
[23206-20-4]



$C_9H_9NO_2$ M 163.1

(\pm)-form

Cryst. (EtOH aq.). Mp 150-151°, Mp 164-165° (dimorph).

N-Me: [127787-23-9].

$C_{10}H_{11}NO_2$ M 177.2 Cryst. (Me_2CO). Mp 124-126°.

Wilson, J.W. *et al*, *J.O.C.*, 1951, **16**, 800 (*synth*)

Ram, S. *et al*, *Indian J. Chem., Sect. B*, 1978, **16**, 1019 (*synth*, *ir*, *pmr*)

Sugimoto, A. *et al*, *Synthesis*, 1995, 431 (*synth*, *N*-Me, *ir*, *pmr*, *ms*)

3,4-Dihydro-5-hydroxy-1(2H)-isoquinolinone, 9CI **D-1-00284**
[56469-02-4]

$C_9H_9NO_2$ M 163.1

Cryst. (H_2O). Mp 195-198°.

Me ether: [129075-49-6]. 3,4-Dihydro-5-methoxy-1(2H)-isoquinolinone

$C_{10}H_{11}NO_2$ M 177.2 Cryst. (Me_2CO). Mp 146-149°.

Eur. Pat., 355 750, (1990); *CA*, **113**, 132025y (*synth*)

Suto, M.J. *et al*, *Anti-Cancer Drug Des.*, 1991, **6**, 107; *CA*, **115**, 92038n (*Me ether*)

3,4-Dihydro-6-hydroxy-1(2H)-isoquinolinone, 9CI **D-1-00285**
3,4-Dihydro-6-hydroxyisocarbostyryl, 8CI
[22245-98-3]

$C_9H_9NO_2$ M 163.1

Cryst. (EtOH). Mp 223-224°.

O-Ac: [22245-99-4].

$C_{11}H_{11}NO_3$ M 205.2 Mp 142-143°.

Me ether: [22246-12-4]. 3,4-Dihydro-6-methoxy-1(2H)-isoquinolinone

$C_{10}H_{11}NO_2$ M 177.2 Cryst. (Et₂O or EtOAc). Mp 139-140°.

Me ether, *N*-Me: 3,4-Dihydro-6-methoxy-2-methyl-1(2H)-isoquinolinone

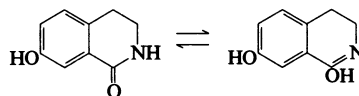
$C_{11}H_{13}NO_2$ M 191.2 Rhombs (C_6H_6 /petrol). Mp 50°.

Gulland, J.M. *et al*, *J.C.S.*, 1929, 1791 (*Me ether*, *N*-Me)

Tomita, M. *et al*, *J.C.S.(C)*, 1969, 183 (*synth*, *Ac*, *Me ether*)

Weimar, C. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1991, **324**, 509 (*Me ether*)

3,4-Dihydro-7-hydroxy-1(2H)-isoquinolinone, 9CI **D-1-00286**
3,4-Dihydro-7-hydroxyisocarbostyryl, 8CI
[22246-05-5]



$C_9H_9NO_2$ M 163.1

Cryst. (Me_2CO). Mp 200-202° dec.

O-Ac: [22245-93-8].

$C_{11}H_{11}NO_3$ M 205.2 Mp 140-141°.

Me ether: [22246-04-4]. 3,4-Dihydro-7-methoxy-1(2H)-isoquinolinone

$C_{10}H_{11}NO_2$ M 177.2 Cryst. (Et₂O or EtOAc/hexane). Mp 86°, Mp 112-113°.

Tomita, M. *et al*, *J.C.S.(C)*, 1969, 183 (*synth*, *Ac*, *Me ether*)

Ajao, J.F. *et al*, *J. Het. Chem.*, 1985, **22**, 327 (*Me ether*)

Weimar, C. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1991, **324**, 509 (*Me ether*)

3,4-Dihydro-8-hydroxy-1(2H)-isoquinolinone, 9CI **D-1-00287**
[135329-20-3]

$C_9H_9NO_2$ M 163.1

Mp 147-149° (hemihydrate).

Me ether: [74904-29-3]. 3,4-Dihydro-8-methoxy-1(2H)-isoquinolinone

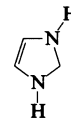
$C_{10}H_{11}NO_2$ M 177.2 Cryst. (C_6H_6). Mp 148-149°.

Kashdan, D.S. *et al*, *J.O.C.*, 1982, **47**, 2638 (*Me ether*)

Suto, M.J. *et al*, *Anti-Cancer Drug Des.*, 1991, **6**, 107; *CA*, **115**, 92038n (*synth*, *pmr*)

Shanker, P.S. *et al*, *Indian J. Chem., Sect. B*, 1993, **32**, 1209 (*Me ether*)

2,3-Dihydro-1H-imidazole, 9CI **D-1-00288**
4-Imidazole
[6569-26-2]



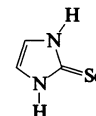
$C_3H_6N_2$ M 70.0

1,3-Di-Ac: [10284-52-3].

$C_7H_{10}N_2O_2$ M 154.1 Cryst. (MeOH). Mp 249-251°.

Plath, M.W. *et al*, *Synthesis*, 1990, 951 (*synth*, *ir*, *uv*, *pmr*, *cmr*, *cryst struct*, *deriv*)

1,3-Dihydro-2H-imidazole-2-selone **D-1-00289**



$C_3H_4N_2Se$ M 147.0

N-Me: [157997-38-1]. 1,3-Dihydro-1-methyl-2H-imidazole-2-selone, 9CI

$C_4H_6N_2Se$ M 161.0 Orange cryst. solid (EtOAc/hexanes). Mp 142°.

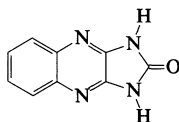
Guziec, L.J. *et al*, *J.O.C.*, 1994, **59**, 4691 (1-*Me*, *synth*, *ir*, *pmr*, *cmr*)

5,6-Dihydroimidazo[1,2-a]pyridine, 9CI **D-1-00290**
[156817-69-5]



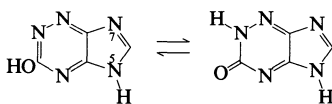
$C_7H_8N_2$ M 120.1

Hua, D.H. *et al*, *J.O.C.*, 1994, **59**, 5084 (*synth*, *pmr*, *cmr*)

1,3-Dihydro-2H-imidazo[4,5-b]quinoxalin-2-one **D-1-00291**
[54108-04-2]

C₉H₆N₄O M 186.1
Cryst. Mp > 330°.

Schipper, E. *et al*, *J.A.C.S.*, 1951, **73**, 5672.
Obafemi, C.A. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1549 (*synth*, *uv*, *pmr*)

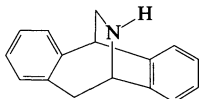
1,2-Dihydro-3H-imidazo[4,5-e]-1,2,4-triazin-3-one, 9CI **D-1-00292**
Imidazo[4,5-e]-1,2,4-triazin-3(2H)-one. 3-Hydroxyimidazo[4,5-e]-1,2,4-triazine. Imidazo[4,5-e][1,2,4]triazin-3-ol. 6-Aza-2-purinol
[160663-25-2]

C₄H₃N₅O M 137.1
NH-form predominates. Cryst. (EtOH or MeOH). Mp 246° slow dec. Undergoes covalent addn. of H₂O or alcohols.

5-Me: [160663-26-3]. *2,5-Dihydro-5-methyl-3H-imidazo[4,5-e]-1,2,4-triazin-3-one, 9CI*
C₅H₅N₅O M 151.1 Cryst. (EtOH/MeOH). Mp 270° slow dec. Undergoes covalent addn. of H₂O or alcohols.

7-Me: [130446-48-9]. *2,7-Dihydro-7-methyl-3H-imidazo[4,5-e]-1,2,4-triazin-3-one, 9CI*
C₅H₅N₅O M 151.1 Solid. Mp 218° slow dec. Could not be recryst. Undergoes strong covalent addn. of H₂O or alcohols.

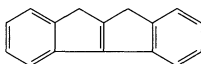
Tzeng, C. *et al*, *J.C.S. Perkin 2*, 1994, 2563 (*synth*, *uv*)

10,11-Dihydro-10,5-(iminomethano)-5H-dibenzo[a,d]cycloheptene, 9CI **D-1-00293**
[27569-65-9]

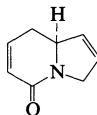
(+)-form

C₁₆H₁₅N M 221.3
(+)-form [135029-85-5]
Cryst. Mp 79-85°. [α]_D²⁵ +165 (c, 1 in EtOH).
N-Me: [135579-62-3].
C₁₇H₁₇N M 235.3 Oil. [α]_D²⁵ +189 (c, 1 in EtOH).
(±)-form [131475-40-6]
Cryst. (C₆H₆/Me₂CO). Mp 79°.
N-Ac: [131475-56-4].
C₁₈H₁₇NO M 263.3 Cryst. (MeOH). Mp 205°.
[17749-16-5, 23099-06-1, 27569-80-8, 67576-52-7, 68962-92-5]

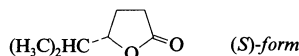
Dobson, T.A. *et al*, *Tet. Lett.*, 1967, 4139 (*synth*)
Suzuki, T. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 1888 (*synth*, *pmr*)
Yasuda, M. *et al*, *Heterocycles*, 1992, **34**, 965 (*synth*, *pmr*, *cmr*)
Gee, K.R. *et al*, *J. Med. Chem.*, 1993, **36**, 1938.

9,10-Dihydroindeno[1,2-a]indene **D-1-00294**
[7263-76-5]

C₁₆H₁₂ M 204.2
Cryst. (EtOH). Mp 135°.
Japan. Pat., 68 00 509, (1968); *CA*, **70**, 11411f (*synth*)
Uyehara, T. *et al*, *Chem. Lett.*, 1977, 1233 (*pmr*, *anion*)

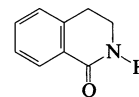
8,8a-Dihydro-5(3H)-indolizinone, 9CI **D-1-00295**
3,5,8,8a-Tetrahydro-5-oxoindolizine

C₈H₉NO M 135.1
Intermed. for prepn. of indolizidine alkaloids.
(*S*)-form [151983-41-4]
Oil. [α]_D²⁴ -331 (c, 1.18 in CH₂Cl₂) (86% ee).
[151983-36-7]
Nukui, S. *et al*, *Tet. Lett.*, 1993, **34**, 4965 (*synth*)
Sato, Y. *et al*, *Tetrahedron*, 1994, **50**, 371 (*synth*)
Nukui, S. *et al*, *J.O.C.*, 1995, **60**, 398 (*use*)

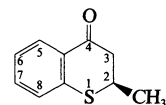
Dihydro-5-isopropyl-2(3H)-furanone **D-1-00296**
Dihydro-5-(1-methylethyl)-2(3H)-furanone, 9CI. γ-Isopropyl-γ-butyrolactone
[38624-29-2]

(*S*)-form

C₇H₁₂O₂ M 128.1
(*S*)-form [154799-15-2]
Bp₅₂ 124-126°. [α]_D²⁵ +43.5 (c, 1.92 in CHCl₃).
(±)-form
Bp_{0.5} 56°. n_D²⁰ 1.4416.
[144731-12-4]
Lunstead, R.P. *et al*, *J.C.S.*, 1933, 580 (*synth*)
Loewen, P.C. *et al*, *Can. J. Chem.*, 1972, **50**, 1502 (*synth*)
Brown, H.C. *et al*, *J.O.C.*, 1994, **59**, 365 (*S-form*)

3,4-Dihydro-1(2H)-isoquinolinone, 9CI **D-1-00297**
3,4-Dihydroisocarbostryl
[1196-38-9]

C₉H₉NO M 147.1
Cryst. (MeOH aq.). Mp 58°. Bp_{0.1} 125-127°.
N-Me:
C₁₀H₁₁NO M 161.2 Liq. Bp₆ 157°, Bp_{0.4} 118°.
Schneider, W. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1958, **291**, 560 (*synth*, *N-Me*)
Davies, R.V. *et al*, *J.C.S. Perkin 1*, 1978, 180 (*synth*, *ir*)
Norman, M.H. *et al*, *J. Med. Chem.*, 1994, **37**, 2552 (*synth*, *pmr*)

2,3-Dihydro-2-methyl-4H-1-benzothiopyran-4-one, 9CI **D-1-00298**
2-Methylthiochroman-4-one, 8CI
[826-86-8]

(*R*)-form

C₁₀H₁₀OS M 178.2
(*R*)-form [135587-65-4]
Liq. [α]_D +159.10 (c, 1.67 in CHCl₃) (85% ee).
Oxime: [135587-66-5].
C₁₀H₁₁NOS M 193.2 Cryst. (EtOH). [α]_D +61.82 (c, 1.22 in CHCl₃).
(±)-form
Oil. Mp 18-19°. Bp₉ 146-147°.
Semicarbazone: Needles (EtOH). Mp 167-168°.
S-Oxide: [23086-34-2].
C₁₀H₁₀O₂S M 194.2 Cryst. (C₆H₆). Mp 109-110°.
S,S-Dioxide: [16808-50-7].
C₁₀H₁₀O₃S M 210.2 Cryst. (EtOH). Mp 127-128°.
Krollpfeiffer, F. *et al*, *Ber.*, 1925, **58**, 1654 (*synth*)
Petroopoulos, J.C. *et al*, *J.A.C.S.*, 1953, **75**, 1130 (*synth*)
Harrison, A.G. *et al*, *Org. Mass Spectrom.*, 1970, **3**, 899 (*ms*)
Chauhan, M.S. *et al*, *Can. J. Chem.*, 1975, **53**, 2880 (*cmr*)
Kumar, A. *et al*, *Indian J. Chem., Sect. B*, 1992, **31**, 803 (*synth*, *ir*, *pmr*)
Clayton, S.E. *et al*, *Tetrahedron*, 1993, **49**, 939 (*synth*, *pmr*)
Kumar, P. *et al*, *Synth. Commun.*, 1994, **24**, 3297 (*synth*, *ir*, *pmr*, *ms*)

2,3-Dihydro-3-methyl-4H-1-benzothiopyran-4-one, 9CI **D-1-00299**
3-Methylthiochroman-4-one, 8CI
[771-17-5]
C₁₀H₁₀OS M 178.2
(±)-form [127847-86-3]
Needles (pentane). Mp 41-42°. Bp₁₀ 146-150°.
Oxime: [14110-50-0].
C₁₀H₁₁NOS M 193.2 Mp 133-134°.

S-Oxide: [29373-04-4].

C₁₀H₁₀O₂S M 194.2 Needles (petrol);
cryst. (C₆H₆/hexane). Mp 116-117°.

S,S-Dioxide: [16723-50-5].

C₁₀H₁₀O₃S M 210.2 Cryst. (EtOH).
Mp 146-147°.

Petropoulos, J.C. *et al*, *J.A.C.S.*, 1953, **75**, 1130
(*synth*)

Harrison, A.G. *et al*, *Org. Mass Spectrom.*,
1970, **3**, 899 (*ms*)

Chauhan, M.S. *et al*, *Can. J. Chem.*, 1975, **53**,
2880 (*oxide, cmr*)

Thomson, R.H. *et al*, *J.C.S. Perkin 1*, 1982, 395
(*oxide, synth*)

**2,3-Dihydro-5-methyl-4H-1-benzothio-
pyran-4-one, 9CI** D-1-00300

5-Methylthiochroman-4-one, 8CI

[13735-17-6]

C₁₀H₁₀OS M 178.2

Cryst. (petrol). Mp 34-35°. Bp_{2,5} 124°.

S-Oxide:

C₁₀H₁₀O₂S M 194.2 Cryst.
(C₆H₆/petrol). Mp 112-113°.

S,S-Dioxide: [16723-52-7].

C₁₀H₁₀O₃S M 210.2 Cryst. (MeOH).
Mp 130-132°.

Degani, I. *et al*, *Boll. Sci. Fac. Chim. Ind.*

Bologna, 1966, **24**, 75; *CA*, **66**, 46292n (*synth*)

Thakkar, S.M. *et al*, *Curr. Sci.*, 1976, **45**, 178
(*synth, pmr*)

**2,3-Dihydro-6-methyl-4H-1-benzothio-
pyran-4-one, 9CI** D-1-00301

6-Methylthiochroman-4-one, 8CI

[6948-34-1]

C₁₀H₁₀OS M 178.2

Leaflets or plates (petrol). Mp 41-42°.

Semicarbazone: Leaflets (EtOH). Mp 235°.

S-Oxide: [42244-87-1].

C₁₀H₁₀O₂S M 194.2 Cryst.
(C₆H₆/petrol). Mp 111-113° (110-111°).

Arndt, F. *et al*, *Ber.*, 1923, **56**, 1269 (*synth*)

Krollpfeiffer, F. *et al*, *Ber.*, 1923, **56**, 1818
(*synth*)

Degani, I. *et al*, *Boll. Sci. Fac. Chim. Ind.*

Bologna, 1966, **24**, 75; *CA*, **66**, 46292n (*synth*)

Chauhan, M.S. *et al*, *Can. J. Chem.*, 1975, **53**,
2880 (*cmr*)

Still, I.W.J. *et al*, *Can. J. Chem.*, 1976, **54**, 455
(*oxide, synth*)

**2,3-Dihydro-7-methyl-4H-1-benzothio-
pyran-4-one** D-1-00302

7-Methylthiochroman-4-one, 8CI

[13735-18-7]

C₁₀H₁₀OS M 178.2

Cryst. (petrol). Mp 51-52°. Bp_{2,5} 146°.

S,S-Dioxide:

C₁₀H₁₀O₃S M 210.2 Cryst. (EtOH).
Mp 159-160°.

Degani, I. *et al*, *Boll. Sci. Fac. Chim. Ind.*

Bologna, 1966, **24**, 75; *CA*, **66**, 46292n (*synth*)

Thakkar, S.M. *et al*, *Curr. Sci.*, 1976, **45**, 178
(*synth, pmr*)

**2,3-Dihydro-8-methyl-4H-1-benzothio-
pyran-4-one, 9CI** D-1-00303

8-Methylthiochroman-4-one, 8CI

[29373-02-2]

C₁₀H₁₀OS M 178.2

Pale yellow or tan plates (MeOH aq.). Mp
65°. Bp₁₄ 171.5°.

Oxime: [94281-47-7].

C₁₀H₁₁NOS M 193.2 Needles
(C₆H₆/petrol). Mp 139.5-140°.

Semicarbazone: [54246-52-5].

Prisms (EtOH). Mp 245°.

S-Oxide: [29399-51-7].

C₁₀H₁₀O₂S M 194.2 Cryst.
(C₆H₆/petrol). Mp 83-84°.

S,S-Dioxide:

C₁₀H₁₀O₃S M 210.2 Cryst. (EtOH).
Mp 124-125°.

Hurd, C.D. *et al*, *J.A.C.S.*, 1954, **76**, 5065
(*synth*)

Cagniant, P. *et al*, *C. R. Hebd. Seances Acad.*
Sci., 1961, **253**, 1702 (*props, derivs*)

Still, I.W.J. *et al*, *J.O.C.*, 1968, **33**, 2731
(*dioxide*)

Harrison, A.G. *et al*, *Org. Mass Spectrom.*,
1970, **3**, 899 (*ms*)

Ricci, A. *et al*, *J. Het. Chem.*, 1974, **11**, 515
(*synth*)

Chauhan, M.S. *et al*, *Can. J. Chem.*, 1975, **53**,
2880 (*cmr*)

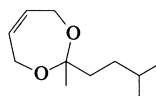
**4,7-Dihydro-2-methyl-2-(3-
methylbutyl)-1,3-dioxepin,** D-1-00304

9CI

4,7-Dihydro-2-isopentyl-2-methyl-1,3-dioxepin.

Ambersage

[53338-05-9]



C₁₁H₂₀O₂ M 184.2

Used in perfumery to enhance fresh odours.

Liq. with fresh lavender-fruity-citrus
odour. d 0.94.

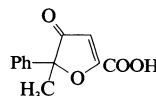
U.S. Pat., 3 396 398, (1976); *CA*, **84**, 135736z.

**4,5-Dihydro-5-methyl-4-oxo-
5-phenyl-2-furancarboxylic** D-1-00305

acid, 9CI

Acifran, INN, USAN. Reductol. AY 25712

[72420-38-3]



C₁₂H₁₀O₄ M 218.2

Antihyperlipidaemic agent.

► LD₅₀ (rat, ori) 3000 mg/kg. LU0222000.

(+)-form [77103-91-4]

Cryst. (Et₂O). Mp 87-89°. [α]_D²⁵ +146.4 (c,
2 in MeOH).

(±)-form [82720-24-9]

Mp 176°.

Cayen, M.N. *et al*, *Atherosclerosis (Shannon,*

Irel.), 1982, **45**, 267, 281 (*pharmacol*)

Jirkovsky, I. *et al*, *J. Med. Chem.*, 1982, **25**,

1154 (*synth, pharmacol, resoln*)

Gonzalez, R. *et al*, *Clin. Biochem.*, 1983, **16**, 244
(*hplc*)

Hunninghake, D.B. *et al*, *Clin. Pharmacol. Ther.*

(*St. Louis*), 1985, **38**, 313 (*clin trial*)

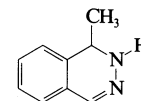
Cayen, M.N. *et al*, *Xenobiotica*, 1986, **16**, 251
(*metab*)

Cayen, M.N. *et al*, *Clin. Pharmacol. Ther. (St.*

Louis), 1990, **47**, 50 (*pharmacokinetic, metab*)

Martindale, *The Extra Pharmacopoeia*, 30th
edn., Pharmaceutical Press, London, 1993,
983.

**1,2-Dihydro-1-
methylphthalazine** D-1-00306



C₉H₁₀N₂ M 146.1

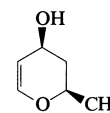
2-Me: 1,2-Dihydro-1,2-dimethylphthalazine

C₁₀H₁₂N₂ M 160.2 Oil.

Ruxer, J.M. *et al*, *J. Het. Chem.*, 1995, **32**, 643

(*synth, pmr, cmr, ir*)

**3,4-Dihydro-2-methyl-2H-
pyran-4-ol** D-1-00307



C₆H₁₀O₂ M 114.1

(2*RS*,4*SR*)-form

(±)-cis-form

Oil.

Ac:

C₈H₁₂O₃ M 156.1 Oil. Bp₅ 100°.

Me ether: 3,4-Dihydro-4-methoxy-2-methyl-

2H-pyran

C₇H₁₂O₂ M 128.1 Oil.

Danishesky, S. *et al*, *J.O.C.*, 1982, **47**, 1597

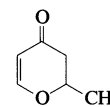
(*synth*)

Varelis, P. *et al*, *Aust. J. Chem.*, 1994, **47**, 1735

(*synth, pmr*)

**2,3-Dihydro-2-methyl-4H-
pyran-4-one, 9CI** D-1-00308

[19185-89-8]



C₆H₈O₂ M 112.1

(±)-form

Oil. Bp₂₃ 180°.

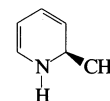
Danishesky, S. *et al*, *J.O.C.*, 1982, **47**, 1597

(*synth*)

Varelis, P. *et al*, *Aust. J. Chem.*, 1994, **47**, 1735

(*synth, pmr*)

1,2-Dihydro-2-methylpyridine D-1-00309



C₆H₉N M 95.1

(*R*)-form

N-Benzoyloxycarbonyl: Benzyl 1,2-dihydro-2-

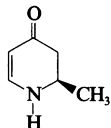
methyl-1-pyridinecarboxylate

C₁₄H₁₅NO₂ M 229.2 Yellow oil. [α]_D

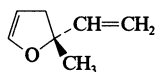
-546 (c, 0.61 in CHCl₃).

(S)-form

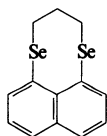
N-Benzoyloxycarbonyl:

C₁₄H₁₅NO₂ M 229.2 Yellow oil. [α]_D²⁰ +588 (c, 0.6 in CHCl₃).Streith, J. *et al*, *Helv. Chim. Acta*, 1995, **78**, 61.**2,3-Dihydro-2-methyl-4(1*H*)-pyridinone, 9CI** **D-1-00310***(R)*-formC₆H₉NO M 111.1*(R)*-form [157034-64-5]Yellow oil. [α]_D²⁰ +495 (c, 1.4 in CHCl₃).*(S)*-form [168105-21-3]Yellow oil. [α]_D²⁰ -487 (c, 1.3 in CHCl₃).Streith, J. *et al*, *Helv. Chim. Acta*, 1995, **78**, 61
(*synth*, *ir*, *pmr*, *cmr*)**2,3-Dihydro-2-methyl-2-vinylfuran** **D-1-00311**

2-Ethenyl-2,3-dihydro-2-methylfuran, 9CI

C₇H₁₀O M 110.1*(R)*-form [152999-69-4]Intermed. for terpene syntheses. Oil. Bp₁₀ 70° (bulb). [α]_D²⁰ +0.42 (c, 0.74 in CHCl₃).Lord, M.D. *et al*, *J.O.C.*, 1995, **60**, 191 (*synth*, *ir*, *pmr*, *cmr*)**3,4-Dihydro-2*H*-naphtho[1,8-*bc*]-1,5-diselenocin, 9CI** **D-1-00312**

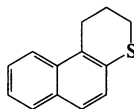
[143952-82-3]

C₁₃H₁₂Se₂ M 326.1
Cryst. Mp 92°.

Monoxide: [152193-57-2].

C₁₃H₁₂OSe₂ M 342.1 Cryst. Mp 149-151°.Fujihara, H. *et al*, *J.C.S. Perkin 1*, 1993, 2145
(*synth*, *pmr*, *cmr*)**2,3-Dihydro-1*H*-naphtho[2,1-*b*]thiopyran** **D-1-00313**

[5395-24-4]

C₁₃H₁₂S M 200.3

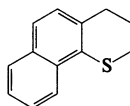
Needles (hexane). Mp 96.5-97°.

Takido, T. *et al*, *J. Het. Chem.*, 1995, **32**, 687
(*synth*, *pmr*)**3,4-Dihydro-2*H*-naphtho[1,2-*b*]thiopyran, 9CI** **D-1-00314**

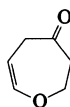
Updated Entry replacing D-0-06383

7,8-Benzothiochroman

[7571-04-2]

C₁₃H₁₂S M 200.3Liq. Bp₄ 159-163°.Campaigne, E. *et al*, *J.O.C.*, 1964, **29**, 2373*(synth)*Still, I.W.J. *et al*, *Can. J. Chem.*, 1981, **59**, 199*(pmr)*Takido, T. *et al*, *J. Het. Chem.*, 1995, **32**, 687*(synth*, *pmr*)**2,3-Dihydro-4(5*H*)-oxepinone, 9CI** **D-1-00315**

[111292-47-8]

C₆H₈O₂ M 112.1

Pale orange oil.

Kirmse, W. *et al*, *Chem. Ber.*, 1987, **121**, 485*(synth*, *pmr*, *ir*)Reissig, H.U. *et al*, *Chem. Ber.*, 1994, **127**, 2337*(synth*, *pmr*, *cmr*)**6,7-Dihydro-2(3*H*)-oxepinone, 9CI** **D-1-00316**

3-Hexen-6-olide

[102575-06-4]

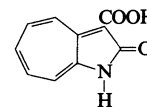
C₆H₈O₂ M 112.1

Oil.

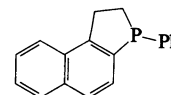
Le Floc'h, Y. *et al*, *Bull. Soc. Chim. Fr.*, 1991,742 (*synth*, *ir*, *pmr*, *cmr*, *ms*)**6,7-Dihydro-2(5*H*)-oxepinone, 9CI** **D-1-00317**

2-Hexen-6-olide

[57205-07-9]

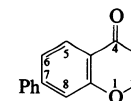
C₆H₈O₂ M 112.1Oil. Bp_{0.1} 68-69°.Fleming, I. *et al*, *J.C.S. Perkin 1*, 1984, 1815*(synth*, *pmr*, *ir*, *ms*)Moriarty, R.M. *et al*, *Tet. Lett.*, 1990, **31**, 197*(synth*, *pmr*, *ir*)Le Floc'h, Y. *et al*, *Bull. Soc. Chim. Fr.*, 1991,742 (*synth*, *ir*, *pmr*, *cmr*, *ms*)**1,2-Dihydro-2-oxocyclohepta[b]pyrrole-3-carboxylic acid, 9CI** **D-1-00318**3-Carboxy-1-aza-2(1*H*)-azulenone. 3-Carboxycyclohepta[b]pyrrol-2(1*H*)-one [20884-33-7]C₁₀H₇NO₃ M 189.1

Cryst. (MeOH). Mp 200°.

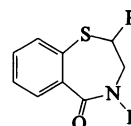
Et ester: [1210-27-1].C₁₂H₁₁NO₃ M 217.2 Cryst. (EtOH/EtOAc). Mp 183.5-185°.*Nitrile*: [1435-20-7]. 1,2-Dihydro-2-oxocyclohepta[b]pyrrole-3-carbonitrile, 9CI.3-Cyano-1-aza-2(1*H*)-azulenone C₁₀H₆N₂O M 170.1 Solid. Mp >290°.Nagahara, M. *et al*, *Chem. Pharm. Bull.*, 1994, **42**, 2491.**2,3-Dihydro-3-phenyl-1*H*-benzo[*e*]phosphindole** **D-1-00319**C₁₈H₁₅P M 262.2*P-Oxide*: [70610-32-1].C₁₈H₁₅OP M 278.2 Solid. Mp 200-202°.Orton, W.L. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1979, **5**, 349 (*synth*, *cmr*, *P-31 nmr*)**2,3-Dihydro-7-phenyl-4*H*-1-benzopyran-4-one** **D-1-00320**

7-Phenyl-4-chromanone

[153535-52-5]

C₁₅H₁₂O₂ M 224.2

Yellow needles (isopropyl ether). Mp 109°.

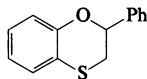
Koch, K. *et al*, *J.O.C.*, 1994, **59**, 1216 (*synth*, *pmr*, *ir*, *ms*)**3,4-Dihydro-2-phenyl-1,4-benzothiazepin-5(2*H*)-one, 9CI, 8CI** **D-1-00321**2,3-Dihydro-2-phenyl-1,4-benzothiazepin-5(4*H*)-one, 8CI [17785-40-9]C₁₅H₁₃NOS M 255.3*(±)*-form

Cryst. (MeCN). Mp 186-188°.

S-Oxide: [73859-97-9].C₁₅H₁₃NO₂S M 271.3 Mp 290° dec.

Krapcho, J. *et al*, *J. Med. Chem.*, 1968, 11, 361 (synth, ir)
U.K. Pat., 1 181 571, (1970); *CA*, 72, 100778q (synth)
 Duddeck, H. *et al*, *Annalen*, 1985, 869 (cmr)
 Pócsfalvi, G. *et al*, *Org. Mass Spectrom.*, 1994, 29, 303 (ms)
 Kaye, P.T. *et al*, *Synth. Commun.*, 1995, 25, 1495 (synth, ir, pmr, cmr)

2,3-Dihydro-2-phenyl-1,4-benzoxathiin D-1-00322
 2-Phenyl-1,4-benzoxathiane



$C_{14}H_{12}OS$ M 228.3

(±)-form
 Oil.

Arnoldi, A. *et al*, *J.C.S. Perkin 1*, 1994, 1241 (synth, pmr)

4,5-Dihydro-2-phenylimidazole D-1-00323
 2-Phenyl- Δ^2 -imidazoline
 [936-49-2]



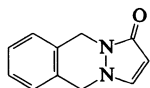
$C_9H_{10}N_2$ M 146.1

Cryst. (cyclohexane). Mp 100-101° (97-99°).

Ewin, G. *et al*, *Aust. J. Chem.*, 1975, 28, 909 (synth)

Egg, H. *et al*, *J. Het. Chem.*, 1995, 32, 655 (synth)

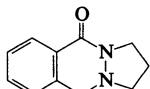
5,10-Dihydro-1H-pyrazolo[1,2-b]phthalazin-1-one, 9CI D-1-00324
 [169266-86-8]



$C_{11}H_{10}N_2O$ M 186.2
 Mp 121-124° dec.

Arán, V.J. *et al*, *Annalen*, 1995, 817 (synth, pmr, cmr)

2,3-Dihydro-1H-pyrazolo[1,2-b]phthalazin-5(10H)-one D-1-00325
 [28690-02-0]



$C_{11}H_{12}N_2O$ M 188.2

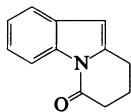
Pale yellow liq. Bp₃ 167-170°.

Picrate: [28690-03-1].

Yellow leaflets (EtOH). Mp 209-212° dec.

Nakamura, A. *et al*, *Chem. Pharm. Bull.*, 1970, 18, 1526 (synth)

8,9-Dihydropyrido[1,2-a]indol-6(7H)-one, 9CI D-1-00326
 6,7,8,9-Tetrahydropyrido[1,2-a]indol-6-one
 [91486-93-0]



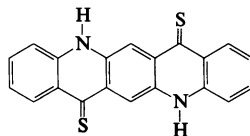
$C_{12}H_{11}NO$ M 185.2

Plates (MeOH). Mp 79-81°.

Crenshaw, M.D. *et al*, *J. Het. Chem.*, 1984, 21, 623 (synth)

Kato, M. *et al*, *Chem. Pharm. Bull.*, 1995, 43, 1346 (synth, pmr)

5,12-Dihydroquino[2,3-b]acridine-7,14-dithione D-1-00327
 5,7,12,14-Tetrahydroquinolino[2,3-b]acridine-7,14-dithione. Dithioquinacridone.
 Thioquinacridone
 [117396-45-9]



$C_{20}H_{12}N_2S_2$ M 344.4

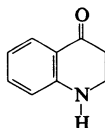
Patented for use of its near-ir absorption in information storage systems.

Eur. Pat., 267 873, (1988) (*Ciba-Geigy*); *CA*, 109, 192170u (synth, use)

Mizuguchi, J. *et al*, *Acta Cryst. C*, 1992, 48, 1553 (cryst struct)

Mizuguchi, J. *et al*, *Ber. Bunsen-Ges. Phys. Chem.*, 1994, 98, 19 (w)

2,3-Dihydro-4(1H)-quinolinone, 9CI D-1-00328
 [4295-36-7]



C_9H_9NO M 147.1

Pale yellow leaflets. Mp 43-44.5°. Bp_{0.2} 100°.

N-Ac: [64142-63-8].

$C_{11}H_{11}NO_2$ M 189.2 Prisms. Mp 94° (85°). Bp₁₇ 206-210°.

N-Me: [1198-15-8].

$C_{10}H_{11}NO$ M 161.2 Yellow oil. Bp₈ 185-190°.

Clemo, G.R. *et al*, *J.C.S.*, 1924, 125, 1608; 1930, 2133 (synth, *N-Ac*)

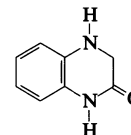
Johnson, W.S. *et al*, *J.A.C.S.*, 1949, 71, 1901 (synth)

Collins, R.F., *J.C.S.*, 1960, 2053 (synth, *N-Ac*)

Maitte, P. *et al*, *J. Het. Chem.*, 1985, 22, 713 (synth, ir, pmr)

Antus, S. *et al*, *Annalen*, 1994, 911 (*N-Ac*)

3,4-Dihydro-2(1H)-quinoxalinone, 9CI D-1-00329
 1,2,3,4-Tetrahydro-2-quinoxalinone
 [59564-59-9]

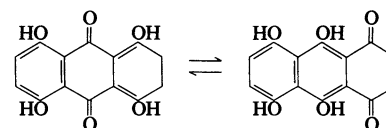


$C_8H_8N_2O$ M 148.1

Cryst. (EtOAc/CH₂Cl₂). Mp 136-138°.

TenBrink, R.E. *et al*, *J. Med. Chem.*, 1994, 37, 758 (synth, ir, pmr)

2,3-Dihydro-1,4,5,8-tetrahydroxyanthraquinone D-1-00330
 1,2-Dihydro-1,4,5,8-tetrahydroxy-9,10-anthracenedione, 9CI. Leuco-1,4,5,8-tetrahydroxyanthraquinone. 5,8-Dihydroxyleucoquinizarin
 [81-59-4]



$C_{14}H_{10}O_6$ M 274.2

Intermediate for anthraquinone dyes. Bronze leaflets or needles (AcOH). Mp 230-235° dec., Mp >290° dec.

Tetra-Ac:

$C_{22}H_{18}O_{10}$ M 442.3 Yellow needles (AcOH). Mp 266° dec.

[28932-22-1]

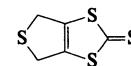
Marshall, P.G., *J.C.S.*, 1937, 254 (synth)

Allen, C.F.H. *et al*, *J.O.C.*, 1941, 6, 732 (synth)

Bruce, D.B. *et al*, *J.C.S.*, 1952, 2759 (synth, *tetra-Ac*, ir)

Chang, P. *et al*, *Synth. Commun.*, 1995, 25, 1893 (synth, ir, ms)

4,6-Dihydrothieno[3,4-d]-1,3-dithiole-2-thione, 9CI D-1-00331
 [127501-72-8]

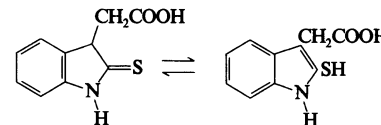


$C_5H_4S_4$ M 192.3

Yellow solid (CCl₄/hexane). Mp 131-134°.

Rovira, C. *et al*, *J.O.C.*, 1994, 59, 3307 (synth, pmr, cmr, ir, w)

2,3-Dihydro-2-thioxo-1H-indole-3-acetic acid, 9CI D-1-00332
 2-Mercapto-1H-indole-3-acetic acid
 [149286-91-9]



$C_{10}H_9NO_2S$ M 207.2

Yellow needles. Mp 170-171° (166-168°).

Me ester: [69261-17-2].

C₁₁H₁₁NO₂S M 221.2 Cryst.
(MeOH). Mp 150-152°.

Thione-form

N-Me: [149286-92-0].

C₁₁H₁₁NO₂S M 221.2 Cryst.
(CH₂Cl₂/petrol). Mp 150-153°.

N-Me, Me ester: [149286-93-1].

C₁₂H₁₃NO₂S M 235.3 Cryst.
(C₆H₆/petrol). Mp 68-70°.

SH-form

Disulfide: [149287-05-8]. 2,2'-Dithiobis(1H-indole-3-acetic acid)

C₂₀H₁₆N₂O₄S₂ M 412.4 Cryst.
(CH₂Cl₂). Mp 208° (196-199°).

Disulfide, di-Me ester: [132637-90-2].

C₂₂H₂₀N₂O₄S₂ M 440.5 Cryst.
(CH₂Cl₂/petrol). Mp 161-162°.

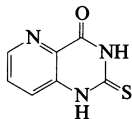
Disulfide, N,N'-Di-Me: [149287-06-9].

C₂₂H₂₀N₂O₄S₂ M 440.5 Cryst.
(Me₂CO/petrol). Mp 190-192.5°.

Wieland, T. *et al*, *Annalen*, 1954, **587**, 146
(*synth*, *uv*)

Thompson, A.M. *et al*, *J. Med. Chem.*, 1993,
36, 2459 (*synth*, *pmr*)

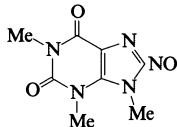
2,3-Dihydro-2-thioxopyrido[3,2-d]pyrimidin-4(1H)-one **D-1-00333**
2-Mercapto-4-hydroxypyrido[3,2-d]pyrimidine
[37891-05-7]



C₇H₅N₃OS M 179.2
Cryst. (H₂O). Mp 300°.

Stanovnik, B. *et al*, *Synthesis*, 1972, 308.

3,9-Dihydro-1,3,9-trimethyl-8-nitroso-1H-purine-2,6-dione, 9CI **D-1-00334**
1,3,9-Trimethyl-8-nitrosoisoxanthine
[153534-80-6]



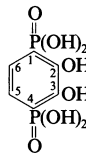
C₈H₉N₅O₃ M 223.1

The first isoxanthine (isocaffeine) deriv. from a natural source. Isol. from the sea cucumber *Cucumaria frondosa*. Powder. Mp 273° dec.

Yayli, N. *et al*, *J. Nat. Prod.*, 1994, **57**, 84 (*isol*, *uv*, *ir*, *pmr*, *cmr*, *struct*)

2,3-Dihydroxy-1,4-benzenediphosphonic acid **D-1-00335**

2,3-Dihydroxy-1,4-phenylenebisphosphonic acid. Hydroquinone-2,3-diphosphonic acid
[91633-18-0]



C₆H₈O₈P₂ M 270.0
Solid. Mp > 300°.

Dianilinium salt: Cryst. Mp 211-213°.

Dhawan, B. *et al*, *J.O.C.*, 1984, **49**, 4018 (*synth*, *pmr*, *P-31 nmr*)

2,5-Dihydroxy-1,4-benzenediphosphonic acid **D-1-00336**

2,5-Dihydroxy-1,4-phenylenebisphosphonic acid. Hydroquinone-2,5-diphosphonic acid
[91633-16-8]

C₆H₈O₈P₂ M 270.0
Long needles (MeCN aq.). Mp 219-220°.

Tetra-Me ester: [88011-35-2]. Tetramethyl 2,5-dihydroxy-1,4-phenylenebisphosphonate

C₁₀H₁₆O₈P₂ M 326.1 Needles
(Et₂O/petrol). Mp 126°.

Tetra-Et ester: [91633-15-7]. Tetraethyl 2,5-dihydroxy-1,4-phenylenebisphosphonate.

2,5-Bis(diethoxyphosphinyl)-1,4-benzenediol. 2,5-Bis(diethoxyphosphinyl)hydroquinone

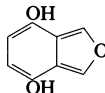
C₁₄H₂₄O₈P₂ M 382.2 Cryst.
(CH₂Cl₂/petrol). Mp 219-220°.

Trutmeva, E.K. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1983, 1684; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1983, 1532 (*tetra-Me ester*, *synth*, *ir*, *uv*, *pmr*, *P-31 nmr*)

Dhawan, B. *et al*, *J.O.C.*, 1984, **49**, 4018 (*synth*, *pmr*, *cmr*, *P-31 nmr*)

Nifant'ev, E.E. *et al*, *Zh. Obshch. Khim.*, 1992, **62**, 222; *J. Gen. Chem. USSR (Engl. Transl.)*, 1992, **62**, 186 (*pmr*, *P-31 nmr*)

4,7-Dihydroxybenzo[c]furan **D-1-00337**
Benzo[c]furan-4,7-diol



C₈H₆O₃ M 150.1

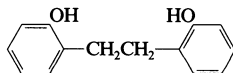
Di-Me ether: 4,7-Dimethoxybenzo[c]furan

C₁₀H₁₀O₃ M 178.1 Solid.

Lynch, V.M. *et al*, *Acta Cryst. C*, 1995, **51**, 780
(*synth*, *cryst struct*, *deriv*)

2,2'-Dihydroxybibenzyl **D-1-00338**

2,2'-(1,2-Ethanediylo)bisphenol, 9CI. 1,2-Bis(2-hydroxyphenyl)ethane
[29338-20-3]



C₁₄H₁₄O₂ M 214.2
Cryst. (H₂O). Mp 115°.

Di-Me ether: 1,2-Bis(2-methoxyphenyl)ethane

C₁₆H₁₈O₂ M 242.3 Cryst. (EtOH).
Mp 86° (83-84°). Bp 290-300°.

Thiele, J. *et al*, *Annalen*, 1899, **305**, 99.
Irvine, J.C. *et al*, *J.C.S.*, 1907, **91**, 536.
Ross, J. *et al*, *Acta Cryst. C*, 1994, **50**, 976
(*cryst struct*, *di-Me ether*)

3,3'-Dihydroxybibenzyl **D-1-00339**

1,2-Bis(3-hydroxyphenyl)ethane. 3,3'-(1,2-Ethanediylo)bisphenol, 9CI
[70709-67-0]

C₁₄H₁₄O₂ M 214.2

Isol. from heartwood of *Cassia garrettiana* (Leguminosae) and *C. cortex*. Also isol. from the bark of *Cassia torosa* (Leguminosae). Needles (EtOAc/hexane, H₂O). Mp 139-140°.

Di-Me ether: 1,2-Bis(3-methoxyphenyl)ethane

C₁₆H₁₈O₂ M 242.3 Leaflets (EtOH).
Mp 61-62° (39-40°). Bp₁₀ 203°.

Cornforth, J.W. *et al*, *J.C.S.*, 1942, 684.

Hata, K. *et al*, *Chem. Pharm. Bull.*, 1979, **27**,
984 (*isol*, *synth*)

4,4'-Dihydroxybibenzyl **D-1-00340**

4,4'-(1,2-Ethanediylo)bisphenol, 9CI. 1,2-Bis(4-hydroxyphenyl)ethane
[6052-84-2]

C₁₄H₁₄O₂ M 214.2

Component for thermosetting resins. Needles
(H₂O). Mp 184-186°, Mp 200°.

Mono-Me ether: 2-(4-Hydroxyphenyl)-1-(4-methoxyphenyl)ethane

C₁₅H₁₆O₂ M 228.2 Mp 113-115°.

Di-Me ether: 1,2-Bis(4-methoxyphenyl)ethane

C₁₆H₁₈O₂ M 242.3 Cryst. (EtOAc).
Mp 118-120°, Mp 130°.

[52352-30-4, 63450-00-0, 133945-52-5, 133945-53-6]

Heumann, K. *et al*, *Ber.*, 1887, **20**, 909.

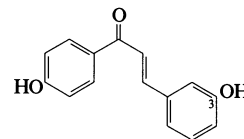
Buck, J.S. *et al*, *J.A.C.S.*, 1929, **51**, 2163 (*di-Me ether*)

Schiller, C.D. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1990, **323**, 417 (*synth*, *pmr*, *mono-Me ether*)

Ungar, G. *et al*, *Macromolecules*, 1991, **24**, 1168
(*synth*, *pmr*, *di-Me ether*)

3,4'-Dihydroxychalcone **D-1-00341**

3-(3-Hydroxyphenyl)-1-(4-hydroxyphenyl)-2-propen-1-one, 9CI
[3654-50-0]



C₁₅H₁₂O₃ M 240.2
Mp 205-206°.

3-Me ether: [75849-15-9]. 3-Methoxy-4'-hydroxychalcone

C₁₆H₁₄O₃ M 254.2 Yellow cryst.
(EtOH aq.). Mp 138-141°.

Di-Me ether: [52182-14-6]. 3,4'-

Dimethoxychalcone

C₁₇H₁₆O₃ M 268.3 Yellow leaflets
(MeOH). Mp 96-97°.

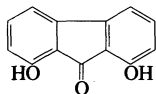
Hudson, B.J.F., *J.C.S.*, 1946, 754 (*synth*)

Jurd, L. *et al*, *J.O.C.*, 1961, **26**, 2561 (*uv*)

Hahn, V. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1963, **257**, 1948 (*w*)
 Schwarz, M.A. *et al*, *J.A.C.S.*, 1977, **99**, 2571 (*di-Me ether*)
 Murphy, W.S. *et al*, *J.C.S. Perkin 1*, 1980, 1567 (*3-Me ether*)
 Gao, C. *et al*, *Synth. Commun.*, 1995, **25**, 1877 (*synth, pmr*)

1,8-Dihydroxy-9H-fluoren-9-one **D-1-00342**

[127375-30-8]



$C_{13}H_8O_3$ M 212.2
 Yellow needles ($CHCl_3$). Mp 188-190°, Mp 238-240°.

Di-Me ether: [127375-31-9]. *1,8-Dimethoxy-9H-fluoren-9-one*

$C_{15}H_{12}O_3$ M 240.2 Yellow needles ($CHCl_3$). Mp 234-237°.

Shoji, K. *et al*, *Nippon Kagaku Kaishi*, 1989, 2046; *CA*, **112**, 234934r (*synth, ir, pmr*)
 Sharma, V. *et al*, *J.O.C.*, 1994, **59**, 7785 (*synth, di-Me ether, ir, pmr, cmr*)

8,16-Dihydroxyhexadecanoic acid **D-1-00343**

[53950-52-0]



$C_{16}H_{32}O_4$ M 288.4
 (+)-*form* [69079-56-7]

Constit. of various plant cutins.

Me ester: [109008-12-0]. *Nerifol*

$C_{17}H_{34}O_4$ M 302.4 Constit. of the leaves of *Nerium odorum*. Needles (petrol). Mp 74-75°.

Me ester, di-Ac:

$C_{21}H_{38}O_6$ M 386.5 Needles (EtOAc). Mp 58-60°.

[77441-75-9]

Espelie, K.E. *et al*, *Lipids*, 1978, **13**, 832 (*occur*)
 Tulloch, A.P. *et al*, *Lipids*, 1980, **15**, 881 (*synth, ms*)

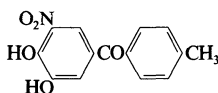
Siddiqui, S. *et al*, *Planta Med.*, 1987, **53**, 47 (*Nerifol*)

Gerard, H.C. *et al*, *Phytochemistry*, 1994, **35**, 818 (*isol*)

3,4-Dihydroxy-4'-methyl-5-nitrobenzophenone **D-1-00344**

(3,4-Dihydroxy-5-nitrophenyl)(4-methylphenyl)methanone, 9CI. *Tolcapone*, INN, USAN. Ro 40-7592

[134308-13-7]



$C_{14}H_{11}NO_5$ M 273.2

Catechol-O-methyltransferase inhibitor. Used in combination therapy with 2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid, A-0-01830 in treatment of Parkinson's disease. Yellow cryst. Mp 144-145°.

▶ LD₅₀ (mus, orl) 1600 mg/kg. PC4952500.

Australian Pat., 603 788, (1990) (*Hoffmann-La Roche*); *CA*, **115**, 49134d (*synth, pharmacol*)
 Da Prada, M. *et al*, *Adv. Behav. Biol.*, 1991, **39**, 723 (*pharmacol*)

Drugs of the Future, 1991, **16**, 719 (*rev*)

Mannisto, P.T. *et al*, *Br. J. Pharmacol.*, 1992, **105**, 569 (*pharmacol*)

Acquas, E. *et al*, *J. Neurochem.*, 1992, **59**, 326 (*metab*)

Tornwall, M. *et al*, *Eur. J. Pharmacol.*, 1993, **239**, 39 (*pharmacol*)

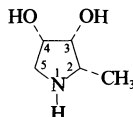
Friedgen, B. *et al*, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1993, **347**, 155 (*pharmacol*)

Kaakkola, S. *et al*, *Gen. Pharmacol.*, 1994, **25**, 813 (*rev*)

Napolitano, A. *et al*, *Eur. J. Pharmacol.*, 1995, **273**, 215 (*pharmacol*)

3,4-Dihydroxy-2-methylpyrrolidine **D-1-00345**

2-Methyl-3,4-pyrrolidinediol, 9CI



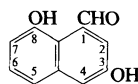
$C_5H_{11}NO_2$ M 117.1

(2*S*,3*R*,4*S*)-*form* [162895-59-2]

Oil. $[\alpha]_D^{25} + 20.5$ (c, 0.65 in D_2O).

[162600-04-6]

Wong, C.-H. *et al*, *J.O.C.*, 1995, **60**, 1492 (*synth, pmr, cmr*)

3,8-Dihydroxy-1-naphthalenecarboxaldehyde **D-1-00346**

$C_{11}H_8O_3$ M 188.1

Solid (toluene). Mp 230-231°.

Saá, J.M. *et al*, *J.A.C.S.*, 1995, **117**, 1105 (*synth, pmr, cmr*)

5,8-Dihydroxy-1-naphthalenecarboxaldehyde **D-1-00347**

$C_{11}H_8O_3$ M 188.1

Red solid (cyclohexane). Mp 182-185°.

Saá, J.M. *et al*, *J.A.C.S.*, 1995, **117**, 1105 (*synth, pmr, cmr*)

6,8-Dihydroxy-1-naphthalenecarboxaldehyde **D-1-00348**

$C_{11}H_8O_3$ M 188.1

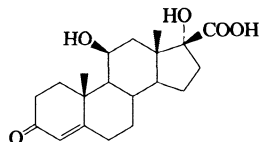
Yellow solid (toluene). Mp 151-153°.

Saá, J.M. *et al*, *J.A.C.S.*, 1995, **117**, 1105 (*synth, pmr, cmr*)

11,17-Dihydroxy-3-oxo-4-androstene-17-carboxylic acid **D-1-00349**

11,17-Dihydroxy-3-oxo-4-etiocholonic acid.

11,17-Dihydroxy-3-keto- Δ^4 -17-isoetienic acid



$C_{26}H_{42}O_5$ M 348.4

(11*β*,17*α*)-*form* [3597-45-3]

Cortienic acid

Inactive metab. of 11,17,21-

Trihydroxypregn-4-ene-3,20-dione, T-0-05318. Cryst. (EtOAc). Mp 240-244° (230-232°).

Me ester: [10486-88-1].

$C_{21}H_{30}O_5$ M 362.4 Cryst.

(EtOAc/Et₂O). Mp 206-207° (192-194°).

$[\alpha]_D^{25} + 121$ (EtOH).

(11*β*,17*β*)-*form* [100188-36-1]

Cryst. + $\frac{1}{2}$ H₂O (EtOAc). Mp 201-203°.

$[\alpha]_D^{25} + 116$ (EtOH).

Me ester: Cryst. Mp 204-206°.

[7323-94-6, 85617-72-7]

Woodward, R.B. *et al*, *J.A.C.S.*, 1952, **74**, 4223 (*synth*)

Caspi, E. *et al*, *Tetrahedron*, 1961, **16**, 271 (*synth*)

Zuercher, R.F. *et al*, *Helv. Chim. Acta*, 1963, **46**, 2054 (*pmr*)

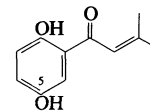
Georgian, V. *et al*, *Tetrahedron*, 1963, **19**, 1037 (*synth*)

Druzgala, P. *et al*, *Synth. Commun.*, 1990, **20**, 1133 (*synth*)

1-(2,5-Dihydroxyphenyl)-3-methyl-2-buten-1-one **D-1-00350**

2-(3-Methyl-2-butenoyl)-1,4-benzenediol. β,β -Dimethacryloylhydroquinone. 2',5'-Dihydroxy-3-methylcrotonophenone. 2-Seneciylhydroquinone

[150692-98-1]



$C_{11}H_{12}O_3$ M 192.2

Isol. from the leaf resin of *Nama* sp. Dark yellow solid.

5-*Me ether*: [84346-78-1]. 1-(2-Hydroxy-5-methoxyphenyl)-3-methyl-2-buten-1-one, 9CI

$C_{12}H_{14}O_3$ M 206.2 Isol. from *Calea prunifolia*. Mp 48-49°.

Di-Me ether: [121637-62-5]. 1-(2,5-Dimethoxyphenyl)-3-methyl-2-buten-1-one, 9CI

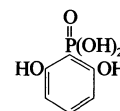
$C_{13}H_{16}O_3$ M 220.2 Bp₅ 165-168°.

Camps, F. *et al*, *J. Het. Chem.*, 1985, **22**, 363 (*synth, deriv*)

Ramana, M.M.V. *et al*, *Indian J. Chem., Sect. B*, 1988, **27**, 339 (*di-Me ether*)

Castro, V. *et al*, *Phytochemistry*, 1989, **28**, 2415 (*isol, deriv*)

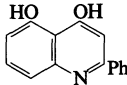
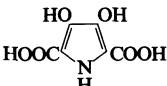
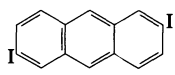
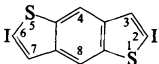
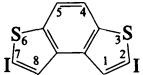
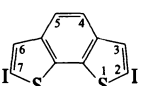
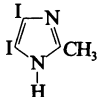
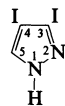
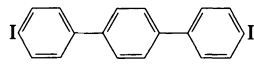
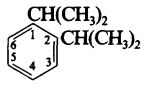
Roitman, J.N. *et al*, *Phytochemistry*, 1993, **33**, 936 (*isol, pmr, cmr*)

2,6-Dihydroxyphenylphosphonic acid **D-1-00351**

$C_6H_7O_5P$ M 190.0

Mono-Me ether: [136829-81-7]. (2-Hydroxy-6-methoxyphenyl)phosphonic acid

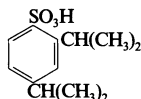
$C_7H_9O_5P$ M 204.1 Cryst. (CH_2Cl_2). Mp 113-119°.

- Mono-Me ether, Di-Et ester: Diethyl (2-hydroxy-6-methoxyphenyl)phosphonate*
 $C_{11}H_{17}O_5P$ M 260.2 Liq. Bp_{0.04} 118-122°.
- Mono-Me ether, bis(2-methylpropyl) ester: [129529-32-4]. Bis(2-methylpropyl) (2-hydroxy-6-methoxyphenyl)phosphonate*
 $C_{15}H_{25}O_5P$ M 316.3 Liq. Bp_{0.1} 106-108°.
- Mono-Me ether, di-tert-butyl ester: [136829-79-3]. Bis(1,1-dimethylethyl) (2-hydroxy-6-methoxyphenyl)phosphonate*
 $C_{15}H_{25}O_5P$ M 316.3 Cryst. (petrol). Mp 80-81°.
- Melvin, L.S., *Tet. Lett.*, 1981, **22**, 3375 (*di-Et ester*)
- Li, S. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1990, **48**, 251; 1991, **61**, 119 (*diisobutyl ester, synth, ir, ms, pmr, P-31 nmr*)
- Dhawan, B. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **61**, 183 (*synth, di-tert-butyl ester, pmr, cmr, P-31 nmr*)
- 4,5-Dihydroxy-2-phenylquinoline** **D-1-00352**
5-Hydroxy-2-phenyl-4(1H)-quinolinone, 9CI. 2-Phenyl-4,5-quinolinediol
- 
- $C_{15}H_{11}NO_2$ M 237.2
- NH-form**
- N-Me: [19843-07-3]. 5-Hydroxy-1-methyl-2-phenyl-4(1H)-quinolinone*
 $C_{16}H_{13}NO_2$ M 251.2 Minor alkaloid from leaves of *Lumasia quercifolia* (Rutaceae). Pale yellow needles (MeOH). Mp 174-176°.
- Hart, N.K. *et al*, *Aust. J. Chem.*, 1968, **21**, 1389 (*isol, pmr, ms, struct*)
- Venturella, P. *et al*, *Gazz. Chim. Ital.*, 1970, **100**, 678 (*synth*)
- 3,4-Dihydroxy-1H-pyrrole-2,5-dicarboxylic acid** **D-1-00353**
- 
- $C_6H_5O_6$ M 173.1
- Di-Me ester: [1632-19-5].*
 $C_8H_9O_6$ M 201.1 Cryst. (MeOH); yellow powder (H₂O). Mp 217-218° (207°).
- Di-Me ether: [157283-08-4]. 3,4-Dimethoxy-1H-pyrrole-2,5-dicarboxylic acid, 9CI*
 $C_8H_9O_6$ M 201.1 Cryst. (MeCN). Mp 180° dec.
- Di-Me ether, Di-Me ester: [1632-57-1].*
 $C_{10}H_{13}O_6$ M 229.2 Cryst. (Et₂O). Mp 84-86° (75°).
- Di-Et ether: 3,4-Diethoxy-1H-pyrrole-2,5-dicarboxylic acid*
 $C_{12}H_{13}O_6$ M 253.2 Powder. Mp 170° dec.
- Wahlstam, H., *Ark. Kemi*, 1957, **11**, 251 (*di-Me ester*)
- Friedman, M., *J.O.C.*, 1965, **30**, 859 (*di-Me ester, di-Me ether*)
- Merz, A. *et al*, *Synthesis*, 1995, 795 (*ester, di-Me ether*)
- 2,6-Diidoanthracene** **D-1-00354**
 [148239-77-4]
- 
- $C_{14}H_8I_2$ M 430.0
- Yanagimoto, T. *et al*, *Chem. Comm.*, 1993, 519 (*synth*)
- 2,6-Diiodobenzo[1,2-b:4,5-b'] dithiophene, 9CI** **D-1-00355**
 [155904-20-4]
- 
- $C_{10}H_4I_2S_2$ M 442.0
- Leaflets (chlorobenzene). Mp >300°.
- Yoshida, S. *et al*, *J.O.C.*, 1994, **59**, 3077 (*synth, pmr*)
- 2,7-Diiodobenzo[1,2-b:4,3-b'] dithiophene, 9CI** **D-1-00356**
 [70218-29-0]
- 
- $C_{10}H_4I_2S_2$ M 442.0
- Needles (C₆H₆/hexane). Mp 175-176°.
- Gronowitz, S. *et al*, *Chem. Scr.*, 1977, **12**, 97 (*synth, pmr, cmr*)
- Yoshida, S. *et al*, *J.O.C.*, 1994, **59**, 3077 (*synth, pmr, cmr*)
- 2,7-Diiodobenzo[2,1-b:3,4-b'] dithiophene, 9CI** **D-1-00357**
 [156355-43-0]
- 
- $C_{10}H_4I_2S_2$ M 442.0
- Needles (C₆H₆). Mp 186-188°.
- Yoshida, S. *et al*, *J.O.C.*, 1994, **59**, 3077 (*synth, pmr, cmr*)
- 4,5-Diiodo-2-methylimidazole, 9CI** **D-1-00358**
 [73746-44-8]
- 
- $C_4H_4I_2N_2$ M 333.8
- Cryst. (H₂O). Mp 204-206° dec. (194-195°).
- 1H-form**
- 1-Me: [13369-82-9]. 4,5-Diiodo-1,2-dimethyl-1H-imidazole*
 $C_6H_6I_2N_2$ M 347.9 Prisms (EtOAc). Mp 142°.
- Vaughan, J.D. *et al*, *J.O.C.*, 1980, **45**, 3108 (*synth*)
- Pyne, S.G. *et al*, *Synthesis*, 1994, 681 (*synth, ir, pmr, ms*)
- 3,4-Diiodopyrazole** **D-1-00359**
 [6645-70-1]
- 
- $C_3H_2I_2N_2$ M 319.8
- Needles (C₆H₆). Mp 160-162° (159-160°).
- N-Ac: C₅H₄I₂N₂O* M 361.9 Cryst. (petrol). Mp 83-85°.
- N-Benzoyl: C₁₀H₆I₂N₂O* M 423.9 Cryst. Mp 107-109°.
- N-(4-Methylbenzenesulfonyl):* Cryst. Mp 130-131°.
- N-Benzyl: C₁₀H₈I₂N₂* M 409.9 Cryst. Mp 63-66°.
- Giles, D. *et al*, *J.C.S.(C)*, 1966, 1179 (*synth*)
- Holzer, W. *et al*, *J. Het. Chem.*, 1995, **32**, 189 (*derivs*)
- 4,4''-Diiodo-1,1':4',1''-terphenyl, 9CI** **D-1-00360**
 [19053-14-6]
- 
- $C_{18}H_{12}I_2$ M 482.1
- Scales (toluene). Mp 327-328° (307-309° dec.).
- Kovyrzina, K.A. *et al*, *Zh. Org. Khim.*, 1974, **10**, 1067; *J. Org. Chem. USSR (Engl. Transl.)*, 1974, **10**, 1078 (*synth*)
- Unroe, M.R. *et al*, *Synthesis*, 1987, 981 (*synth*)
- Zauhar, J. *et al*, *Synthesis*, 1995, 703 (*synth, ir*)
- 1,2-Diisopropylbenzene, 8CI** **D-1-00361**
1,2-Bis(1-methylethyl)benzene, 9CI
 [577-55-9]
- 
- $C_{12}H_{18}$ M 162.2
- Liq. Bp 203.8°.
- Melpolder, F.W. *et al*, *J.A.C.S.*, 1948, **70**, 935 (*synth, ir, uv, ms*)
- Adv. Chem. Ser.*, 1955, **15**, 99 (*props*)
- Elsner, B.B. *et al*, *J.C.S.*, 1957, 578 (*synth*)
- 1,3-Diisopropylbenzene, 8CI** **D-1-00362**
1,3-Bis(1-methylethyl)benzene, 9CI
 [99-62-7]
- $C_{12}H_{18}$ M 162.2
- Liq. Bp 203.2°.
- Newton, A., *J.A.C.S.*, 1943, **65**, 320 (*synth*)
- Melpolder, F.W. *et al*, *J.A.C.S.*, 1948, **70**, 935 (*synth, ir, uv, ms*)
- Adv. Chem. Ser.*, 1955, **15**, 100 (*props*)
- Sudmeijer, O. *et al*, *Org. Magn. Reson.*, 1984, **22**, 459 (*cmr*)
- 1,4-Diisopropylbenzene, 8CI** **D-1-00363**
1,4-Bis(1-methylethyl)benzene, 9CI
 [100-18-5]
- $C_{12}H_{18}$ M 162.2
- Liq. Bp 210.4°.

Newton, A., *J.A.C.S.*, 1943, **65**, 320 (*synth*)
 Melpolder, F.W. *et al.*, *J.A.C.S.*, 1948, **70**, 935
 (*synth, ir, uv, ms*)
Adv. Chem. Ser., 1955, **15**, 101 (*props*)
 Zavgorodnii, S.V. *et al.*, *Zh. Obshch. Khim.*,
 1958, **28**, 1279; *CA*, **52**, 20015f (*synth*)
 Kravers, M.A. *et al.*, *Cryst. Struct. Commun.*,
 1979, **8**, 455 (*cryst struct*)
 Sudmeijer, O. *et al.*, *Org. Magn. Reson.*, 1984,
22, 459 (*cmr*)

2,4-Diisopropylbenzene-sulfonic acid **D-1-00364**

2,4-Bis(1-methylethyl)benzenesulfonic acid
 [63877-48-5]



$C_{12}H_{18}O_3S$ M 242.3

Chloride: [93777-28-7].

$C_{12}H_{17}ClO_2S$ M 260.7 Mp 37-38°.

Amide:

$C_{12}H_{19}NO_2S$ M 241.3 Mp 144-145°.

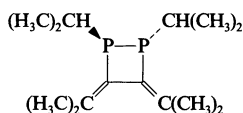
Anilide:

$C_{18}H_{23}NO_2S$ M 317.4 Mp 113.9-114.5°.

Newton, A. *et al.*, *J.A.C.S.*, 1943, **65**, 2439.
 Cerfontain, H. *et al.*, *J.C.S. Perkin 2*, 1977, 717.

1,2-Diisopropyl-3,4-diisopropylidene-1,2-diphosphetane **D-1-00365**

1,2-Bis(1-methylethyl)-3,4-bis(1-methylethylidene)-1,2-diphosphetane, 9CI



$C_{14}H_{26}P_2$ M 256.3

(*1RS,2RS*)-form

(±)-trans-form

Solid. Mp 36-38°.

Disulfide:

$C_{14}H_{26}P_2S_2$ M 320.4 Cryst. (hexane).
 Mp 130-132°.

[149206-08-6, 149206-09-7]

Brieden, W. *et al.*, *Chem. Ber.*, 1993, **126**, 845
 (*synth, ir, ms, pmr, cmr, P-31 nmr, cryst struct*)

Diisopropyl selenide **D-1-00366**

2,2'-Selenobispropane, 9CI
 [37773-02-7]



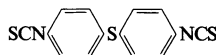
$C_6H_{14}Se$ M 165.1

Bp 136-137°.

Odom, J.D. *et al.*, *J.A.C.S.*, 1979, **101**, 5815.

4,4'-Diisothiocyanatodiphenyl sulfide **D-1-00367**

1,1'-Thiobis[4-isothiocyanatobenzene], 9CI
 [15398-68-2]



$C_{14}H_8N_2S_3$ M 300.4

S,S-Dioxide: [4430-49-3]. 1,1'-Sulfonylbis[4-isothiocyanatobenzene], 9CI. *Centsulphone*
 $C_{14}H_8N_2O_2S_3$ M 332.4 Anthelmintic.
 Mp 180° (169°).

Saxena, R. *et al.*, *Indian J. Pharm.*, 1967, **29**, 232
 (*synth, props*)

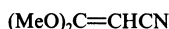
Katiyar, J.C. *et al.*, *Nature (London)*, 1967, **214**,
 708 (*props*)

Uher, M. *et al.*, *Coll. Czech. Chem. Comm.*,
 1969, **34**, 4005 (*w, struct*)

Sharma, S. *et al.*, *Indian J. Pharm.*, 1973, **35**, 13
 (*synth, props*)

3,3-Dimethoxy-2-propenenitrile **D-1-00368**

3,3-Dimethoxyacrylonitrile. 2-Cyano-1,1-dimethoxyethylene



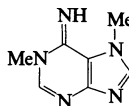
$C_5H_7NO_2$ M 113.1

Intermed. for isoxazoles. Syrup. Bp₁₉ 112-115°.

Tatsuta, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1994,
67, 1701.

1,7-Dimethyladenine **D-1-00369**

1,7-Dihydro-1,7-dimethyl-6H-purin-6-imine



$C_7H_9N_5$ M 163.1

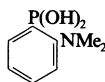
Hygroscopic solid. Mp 164-165°.

Hydrochloride: Hygroscopic solid. Mp 224.5-230° dec.

Perchlorate: Needles. Mp 278-280° dec.

Fujii, T. *et al.*, *Chem. Pharm. Bull.*, 1993, **41**,
 2047; 1994, **42**, 151 (*synth, uv, pmr*)

[2-(Dimethylamino)phenyl] phosphonous acid **D-1-00370**



$C_8H_{12}NO_2P$ M 185.1

Difluoride: [110538-89-1].

$C_8H_{10}F_2NP$ M 189.1 Ligand for Pt.
 Liq. Bp₂ 63-66°.

Dichloride: [110538-87-9].

$C_8H_{10}Cl_2NP$ M 222.0 Liq. Bp_{0.1} 71°.

Bis(diethylamide): [110538-86-8].

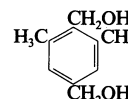
$C_{16}H_{30}N_3P$ M 295.4 Liq. Bp₁ 138-140°.

Heuer, L. *et al.*, *Polyhedron*, 1987, **6**, 1295
 (*synth, pmr, P-31 nmr, F-19 nmr*)

Heuer, L. *et al.*, *J. Fluorine Chem.*, 1988, **39**, 197
 (*difluoride, F-19 nmr, P-31 nmr, complex*)

2,6-Dimethyl-1,4-benzenedimethanol **D-1-00371**

1,4-Bis(hydroxymethyl)-2,6-dimethylbenzene
 [157248-87-8]

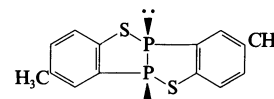


$C_{10}H_{14}O_2$ M 166.2

Cryst. (cyclohexane). Mp 143-145°.

Lai, Y.-H. *et al.*, *J.O.C.*, 1994, **59**, 3381 (*synth, pmr, ir, ms*)

2,8-Dimethyl[1,2,3]benzothiadiphospholo[3,2-b][1,2,3]benzothiodiphosphole **D-1-00372**



$C_{14}H_{12}P_2S_2$ M 306.3

(*6RS,12SR*)-form

(±)-cis-form

Possesses a 'butterfly' struct. Yellow flattened prisms.

Baccolini, G. *et al.*, *Heteroat. Chem.*, 1993, **4**,
 319 (*synth, ms, pmr, cmr, P-31 nmr, cryst struct*)

1,4-Dimethylbicyclo[2.2.2]oct-5-en-2-one, 9CI **D-1-00373**

[156140-50-0]



$C_{10}H_{14}O$ M 150.2

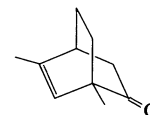
(±)-form [89398-35-6]

Oil. Bp₁₀ 68-70°.

Snowden, R.L. *et al.*, *Helv. Chim. Acta*, 1989,
72, 570 (*synth, ir, pmr, cmr, ms*)

Zhang, W. *et al.*, *Tetrahedron*, 1993, **49**, 1965
 (*synth*)

1,5-Dimethylbicyclo[2.2.2]oct-5-en-2-one, 9CI **D-1-00374**



(-)-form

$C_{10}H_{14}O$ M 150.2

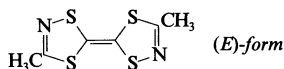
(-)-form

Liq. Bp₂₃ 103-105°. $[\alpha]_D^{18}$ -443 (c, 1.3 in $CHCl_3$). n_D^{18} 1.4868.

[123004-30-8]

Mori, K. *et al.*, *Synthesis*, 1995, 845 (*synth, pmr*)

3,3'-Dimethylbi(1,4,2-dithiazol-5-ylidene) **D-1-00375**
 3-Methyl-5-(3-methyl-1,4,2-dithiazol-5-ylidene)-1,4,2-dithiazole, 9CI

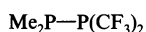


$C_6H_6N_2S_4$ M 234.3
 (E)-form [152597-07-4]
 Cryst. Mp 146-148°.

(Z)-form [151451-86-4]
 Cryst. Mp 114°.

Oakley, R.T. *et al*, *Chem. Comm.*, 1993, 1226
 (synth, cryst struct)

1,1-Dimethyl-2,2-bis(trifluoromethyl)diphosphine, 9CI **D-1-00376**
 [666-62-6]



$C_4H_6F_6P_2$ M 230.0
 Ligand for W, Cr and Mo carbonyls. Liq.
 Mp -79.2° to -79.1°. Bp 120° (est.). V.p.
 4.94 mm at 0°, 55.1 mm at 45.1°. Dec. at
 110°.

BH_3 (1:1) adduct:

$C_4H_6BF_6P_2$ M 243.8 Mp -30.2 to
 -29.6°. Dec. at 90° → $(CF_3)_2PH$.

Me_3N (1:1) adduct:

$C_7H_{15}F_6NP_2$ M 289.1 Yellow oil.

Monomethiodide:

$C_5H_6F_6IP_2$ M 371.9 Solid. Subl. 200°.
 Struct. not known.

Grant, L.R. *et al*, *J.A.C.S.*, 1962, **84**, 1834

(synth, uv, props, derivs)

Cavell, R.G. *et al*, *J.C.S.(A)*, 1968, 1406 (synth,
 ms, ir, pmr, F-19 nmr, P-31 nmr)

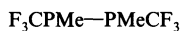
Cowley, A.H. *et al*, *J.A.C.S.*, 1974, **96**, 3666
 (pe)

Grobe, J. *et al*, *Z. Naturforsch., B*, 1979, **34**,
 1653; 1980, **35**, 694 (complexes, ms, ir, pmr,
 F-19 nmr, P-31 nmr)

Grobe, J. *et al*, *Z. Anorg. Allg. Chem.*, 1984,
518, 36 (cmr, P-31 nmr, complexes)

Avens, L.R. *et al*, *Inorg. Chem.*, 1989, **28**, 211
 (synth, F-19 nmr, P-31 nmr)

1,2-Dimethyl-1,2-bis(trifluoromethyl)diphosphine **D-1-00377**
 [4669-75-4]



$C_4H_6F_6P_2$ M 230.0
 Obt. only as stereoisomeric mixt. V.p. 4.0 mm
 at 0°, 30.6 mm at 35°.

[33418-05-2, 33418-06-3]

Burg, A.B. *et al*, *J.A.C.S.*, 1966, **88**, 31 (synth,
 ir, props)

Kang, D. *et al*, *Org. Magn. Reson.*, 1971, **3**, 101
 (pmr, F-19 nmr, P-31 nmr)

Dobbie, R.C. *et al*, *Chem. Comm.*, 1975, 585
 (synth)

Grobe, J., *Z. Naturforsch., B*, 1988, **43**, 427
 (synth, pmr, F-19 nmr, P-31 nmr)

2,2-Dimethyl-1,4-butanediol, 9CI **D-1-00378**
 [32812-23-0]



$C_6H_{14}O_2$ M 118.1
 Liq. Bp 229-233°, Bp₃ 110°.

Bis-4-methylbenzenesulfonyl: [67857-74-3].
 Cryst. Mp 84-85° (77-78°).

Bouveault, L. *et al*, *Bull. Soc. Chim. Fr.*, 1904,
31, 1203 (synth)

Brown, R.F. *et al*, *J.A.C.S.*, 1955, **77**, 1089
 (synth)

Derbesy, M. *et al*, *Bull. Soc. Chim. Fr.*, 1971,
 1789 (synth)

Fitjer, L. *et al*, *Synthesis*, 1994, 893 (synth,
 deriv)

(3,3-Dimethyl-1-butynyl) phosphonic acid, 9CI **D-1-00379**
 tert-Butylacetylenephosphonic acid



$C_6H_{11}O_3P$ M 162.1

Di-Et ester: [40632-91-5]. Diethyl (3,3-
 dimethyl-1-butynyl)phosphonate

$C_{10}H_{19}O_3P$ M 218.2 Liq. d_4^{20} 0.93.
 Bp₁ 107°. n_D^{20} 1.4706; n_D^{20} 1.4416.

Diisopropyl ester: [125172-82-9]. Diisopropyl
 (3,3-dimethyl-1-butynyl)phosphonate

$C_{12}H_{23}O_3P$ M 246.2 Liq.

Dichloride: [40632-82-4].

$C_6H_9Cl_2OP$ M 199.0 Solid or liq. Mp
 32-34°. Bp₁ 53-55°.

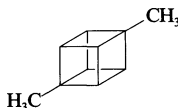
[125172-81-8]

Dogadina, A.V. *et al*, *Zh. Obshch. Khim.*, 1972,
42, 2186; *J. Gen. Chem. USSR (Engl.*

Transl.), 1972, **42**, 2183 (dichloride, diethyl
 ester, synth, pmr)

Haegeler, G. *et al*, *Phosphorus, Sulfur, Silicon*
Relat. Elem., 1990, **48**, 131 (esters, synth, pmr,
 P-31 nmr)

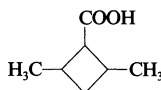
1,4-Dimethylcubane **D-1-00380**
 1,4-Dimethylpentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]
 octane, 9CI
 [161088-18-2]



$C_{10}H_{12}$ M 132.2
 Needles. Mp 41-42°.

Eaton, P.E. *et al*, *J.O.C.*, 1995, **60**, 966 (synth,
 pmr, cmr)

2,4-Dimethylcyclobutanecarboxylic acid **D-1-00381**



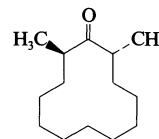
$C_7H_{12}O_2$ M 128.1

Liq. Obt. as a mixt. of isomers separated by
 glc.

[149193-25-9, 149251-10-5]

Török, B. *et al*, *J.C.S. Perkin 1*, 1993, 801
 (synth, ms, pmr)

2,12-Dimethylcyclo-dodecanone **D-1-00382**
 [32399-58-9]



(2*RS*,12*RS*)-form

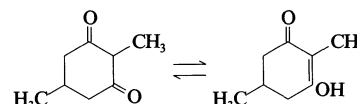
$C_{14}H_{26}O$ M 210.3

Both stereoisomers known, no phys. props.
 reported.

[86195-63-3, 86195-64-4]

Posner, G.H. *et al*, *J.A.C.S.*, 1973, **95**, 3076.
 Vedejs, E. *et al*, *J.A.C.S.*, 1983, **105**, 5058.

2,5-Dimethyl-1,3-cyclohexanedione, 9CI **D-1-00383**
 3-Hydroxy-2,5-dimethyl-2-cyclohexen-1-one
 [61621-47-4]



$C_8H_{10}O_2$ M 138.1

Needles or prisms (H₂O). Mp 175-176°.

Sonn, A., *Ber.*, 1931, **64**, 1847 (synth)

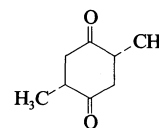
Stetter, H. *et al*, *Chem. Ber.*, 1957, **90**, 2928
 (synth)

Leed, A.R. *et al*, *J.O.C.*, 1980, **45**, 1098 (synth,
 pmr)

Majetich, G. *et al*, *J.O.C.*, 1988, **53**, 50 (synth,
 pmr, ir)

Joseph, D. *et al*, *Org. Prep. Proced. Int.*, 1995,
27, 499 (synth, pmr)

2,5-Dimethyl-1,4-cyclohexanedione, 9CI **D-1-00384**
 [583-81-3]



(2*RS*,5*RS*)-form

$C_8H_{12}O_2$ M 140.1

(2*RS*,5*RS*)-form [43126-02-9]

(±)-cis-form

Needles (petrol). Mp 118-118.5°.

(2*RS*,5*SR*)-form [43126-07-4]

trans-form

Needles. Mp 93° (85-87°).

Baeyer, A., *Ber.*, 1892, **25**, 2122 (synth)

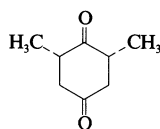
Fishman, J. *et al*, *J.C.S.*, 1960, 3948 (synth)

Stolow, R.D. *et al*, *Tet. Lett.*, 1964, 95
 (conformn)

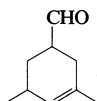
Corey, E.J. *et al*, *Chem. Ber.*, 1978, **111**, 1337
 (synth, ir, pmr)

Andersen, J.R. *et al*, *J.C.S. Perkin 1*, 1979, 3095
 (synth, pmr, ms)

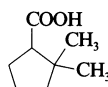
Queiroz, M.-J. *et al*, *Org. Prep. Proced. Int.*,
 1995, **27**, 120 (synth, pmr, cmr, ms)

2,6-Dimethyl-1,4-cyclohexanedione, 9CI
[14384-30-6]

$C_8H_{12}O_2$ M 140.1
(2*RS*,6*SR*)-form [34958-43-5]
cis-form
Cryst. (hexane). Mp 87.5-88°. (synth)
Teuber, H.-J. *et al*, *Annalen*, 1966, **696**, 116
Stolow, R.D. *et al*, *J.O.C.*, 1972, **37**, 2894 (synth)

3,5-Dimethyl-3-cyclohexene-1-carboxaldehyde, 9CI, 8CI
Cyclal C
[68039-48-5]

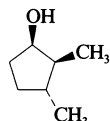
$C_9H_{14}O$ M 138.2
Important perfumery ingredient. Liq. with powerful leafy floral odour. d 0.92.
Japan. Pat., 5 901 462, (1984); *CA*, **101**, 6689g.
Japan. Pat., 61 65 801, (1986); *CA*, **105**, 74388r.

2,2-Dimethyl-cyclopentanecarboxylic acid
[63861-26-7]

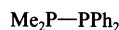
$C_8H_{14}O_2$ M 142.1
(±)-form
Liq.
Me ester: [153579-98-7].
 $C_9H_{16}O_2$ M 156.2 Liq. Bp₂₅ 78°. **4-Bromophenacyl ester**: [63861-28-9].
Needles (EtOH). Mp 55-57.7°. *Anilide*:
 $C_{14}H_{19}NO$ M 217.3 Cryst. Mp 125°. *Nitrile*: [153580-00-8]. **2-Cyano-1,1-dimethylcyclopentane**
 $C_8H_{13}N$ M 123.1 Pale yellow liq. [63861-27-8]
Edwards, O.E. *et al*, *J.O.C.*, 1959, **24**, 2071 (synth, ir, pmr)
Kirk, D.N. *et al*, *J.C.S. Perkin I*, 1977, 893 (synth, pmr)
Peterson, E.M. *et al*, *J. Med. Chem.*, 1994, **37**, 275 (nitrile, *Me ester*, synth, ir, pmr, cmr)

3,3-Dimethylcyclopentanecarboxylic acid
[69393-30-2]
 $C_8H_{14}O_2$ M 142.1
(±)-form
Liq. Bp_{0,1} 63-65°. *Me ester*: [69393-31-3].

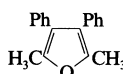
D-1-00385 $C_9H_{16}O_2$ M 156.2 Liq. Bp₁₅ 65-70°. Iwasaki, S. *et al*, *Helv. Chim. Acta*, 1978, **61**, 2831 (synth, ir, pmr, ms)

2,3-Dimethylcyclopentanol **D-1-00389**(1*R*,2*S*,3*R*)-form

$C_7H_{14}O$ M 114.1
(1*R*,2*S*,3*R*)-form [153063-46-8]
[α]_D²³ -61.3 (c, 1.1 in CHCl₃).
(1*S*,2*R*,3*S*)-form [153063-47-9]
[α]_D²³ +49.4 (c, 1.4 in CHCl₃) (ca. 79% ee).
(1*R*,2*SR*,3*RS*)-form [153063-45-7]
Liq. Bp₃₀ 80-100° (Kugelrohr).
Chloroacetate: [153063-52-6].
 $C_9H_{15}ClO_2$ M 190.6 Yellowish liq.
Varech, D. *et al*, *Bull. Soc. Chim. Fr.*, 1965, 1662 (synth)
Lora, M.D. *et al*, *J.O.C.*, 1995, **60**, 191 (synth, ir, pmr, cmr)

1,1-Dimethyl-2,2-diphenyldiphosphine, 9CI
[39654-12-1]

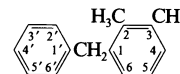
$C_{14}H_{16}P_2$ M 246.2
No phys. props. reported.
2-Sulfide: [73719-58-1].
 $C_{14}H_{16}P_2S$ M 278.2 Formed preferentially (vs. 1-sulfide) and identified spectroscopically.
1,2-Disulfide: [31698-52-9].
 $C_{14}H_{16}P_2S_2$ M 310.3 Cryst. (EtOH). Mp 145°. [56912-73-3]
Koketsu, J. *et al*, *Inorg. Nucl. Chem. Lett.*, 1971, **7**, 15 (disulfide)
McFarlane, H.C.E. *et al*, *J.C.S. Dalton*, 1980, 240 (synth, derivs, pmr, P-31 nmr)

2,5-Dimethyl-3,4-diphenylfuran, 9CI
[63806-52-0]

$C_{18}H_{16}O$ M 248.3
Cryst. (MeOH). Mp 92°.
Hambrecht, J., *Synthesis*, 1977, 280 (synth)
Koenig, H. *et al*, *Annalen*, 1981, 668 (synth)
Bartmann, E. *et al*, *Synth. Commun.*, 1987, **17**, 263 (synth)

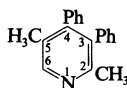
3,4-Dimethyl-2,5-diphenylfuran, 9CI
[51181-43-2]

$C_{18}H_{16}O$ M 248.3
Mp 52-54°.
Inoue, H. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 2211 (synth)

2,3-Dimethyldiphenylmethane **D-1-00393**
1,2-Dimethyl-3-(phenylmethyl)benzene, 9CI.
Phenyl-2,3-xylylmethane. 3-Benzyl-o-xylene.
1-Benzyl-2,3-dimethylbenzene
[62155-16-2]

$C_{15}H_{16}$ M 196.2
Liq. Bp₃₃ 123°.
Tashiro, M. *et al*, *J.O.C.*, 1978, **43**, 1413 (synth, ir, pmr)
Fujiwara, J. *et al*, *Bull. Chem. Soc. Jpn.*, 1993, **66**, 1258 (pmr, ms)

2,4-Dimethyldiphenylmethane **D-1-00394**
2,4-Dimethyl-1-(phenylmethyl)benzene, 9CI.
Phenyl-2,4-xylylmethane. 4-Benzyl-m-xylene
[28122-28-3]
 $C_{15}H_{16}$ M 196.2
Oil. Bp_{1,2} 139-142°. n_D^{22} 1.5678.
Clar, E. *et al*, *Ber.*, 1931, **64**, 981 (synth)
Errede, L.A. *et al*, *J.A.C.S.*, 1960, **82**, 3653 (synth, ir, pmr)
Mincione, E. *et al*, *Gazz. Chim. Ital.*, 1982, **112**, 437 (pmr)
2,5-Dimethyldiphenylmethane **D-1-00395**
1,4-Dimethyl-2-(phenylmethyl)benzene, 9CI.
Phenyl-2,5-xylylmethane, 8CI. 2-Benzyl-p-xylene
[13540-50-6]
 $C_{15}H_{16}$ M 196.2
Bp_{1,5} 127-128°. n_D^{25} 1.5697.
Errede, L.A. *et al*, *J.A.C.S.*, 1960, **82**, 3653 (synth, pmr, ir)
Mathew, F. *et al*, *Synth. Commun.*, 1995, **25**, 1795 (pmr, ir)
2,6-Dimethyldiphenylmethane **D-1-00396**
1,3-Dimethyl-2-(phenylmethyl)benzene, 9CI.
Phenyl-2,6-xylylmethane, 8CI. 2-Benzyl-m-xylene
[28122-29-4]
 $C_{15}H_{16}$ M 196.2
Liq. Bp₃ 107-109°.
Tashiro, M. *et al*, *J.O.C.*, 1978, **43**, 1413 (synth, ir, pmr)
3,4-Dimethyldiphenylmethane **D-1-00397**
1,2-Dimethyl-4-(phenylmethyl)benzene, 9CI.
Phenyl-3,4-xylylmethane, 8CI. 4-Benzyl-o-xylene
[13540-56-2]
 $C_{15}H_{16}$ M 196.2
Cryst. (EtOH). Mp 27-29°. Bp₁₄ 137-138°.
Sisido, K. *et al*, *J.O.C.*, 1961, **26**, 1368 (synth)
3,5-Dimethyldiphenylmethane **D-1-00398**
1,3-Dimethyl-5-(phenylmethyl)benzene, 9CI.
Phenyl-3,5-xylylmethane. 5-Benzyl-m-xylene
[28122-27-2]
 $C_{15}H_{16}$ M 196.2
Bp_{2,5} 121-122°. n_D^{23} 1.5656.
Truce, W.E. *et al*, *J.A.C.S.*, 1958, **80**, 3625 (synth)
Mathew, F. *et al*, *Synth. Commun.*, 1995, **25**, 1795 (pmr, ir)

2,5-Dimethyl-3,4-diphenylpyridine, 9CI
[79999-04-5]

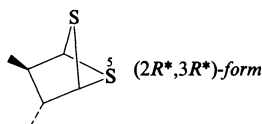
$C_{19}H_{17}N$ M 259.3
Cryst. Mp 114-115°.

Padwa, A. *et al*, *J.A.C.S.*, 1984, **106**, 1065
(*synth*, *ir*, *pmr*)

3,4-Dimethyl-2,6-diphenylpyridine, 9CI

$C_{19}H_{17}N$ M 259.3
Pale brown powder (EtOH). Mp 47-48°.

Jochims, J.C. *et al*, *Synthesis*, 1994, 509 (*synth*, *cmr*, *pmr*)

2,3-Dimethyl-5,6-dithiabicyclo[2.1.1]hexane

$C_6H_{10}S_2$ M 146.2
(**2R*,3R***)-*form*
trans-form

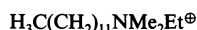
5α-Oxide: [120709-22-0]. **Zwiebelane B**
 $C_6H_{10}OS_2$ M 162.2 Constit. of onion (*Allium cepa*). There are four possible isomeric mono-S-oxides of the *trans-form* but only this isomer was detected.

(**2RS,3SR**)-*form*
cis-form

5α-Oxide: [120637-81-2]. **Zwiebelane A**
 $C_6H_{10}OS_2$ M 162.2 Constit. of onion (*A. cepa*). Oil. There are two possible isomeric mono-S-oxides of the *cis-form* but only this one was detected.

Bayer, T. *et al*, *J.A.C.S.*, 1989, **111**, 3085; 1990, **112**, 4584 (*isol*, *struct*, *synth*)

Block, E. *et al*, *J. Agric. Food Chem.*, 1992, **40**, 2431 (*glc*, *ms*)

Dimethyldodecylethylammonium(1+)

$C_{16}H_{36}N^{\oplus}$ M 242.4 (ion)

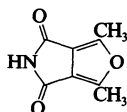
Bromide: [68207-00-1].

$C_{16}H_{36}BrN$ M 322.3 Phase transfer catalyst. Mp 185-188°.

Palit, S.R. *et al*, *Trans. Faraday Soc.*, 1959, 463. *Ger. Pat.*, 2 926 980, (1981); *CA*, **94**, 205041b.

1,3-Dimethyl-4H-furo[3,4-c]pyrrole-4,6(5H)-dione

2,5-Dimethylfuran-3,4-dicarboximide



$C_8H_7NO_3$ M 165.1

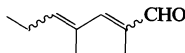
D-1-00399

N-Me: [95641-45-5]. **1,3,5-Trimethyl-4H-furo[3,4-c]pyrrole-4,6(5H)-dione, 9CI**
 $C_9H_9NO_3$ M 179.1 Needles. Mp 185-186° (sealed tube).

Warrener, R.N. *et al*, *Aust. J. Chem.*, 1995, **48**, 241.

2,4-Dimethyl-2,4-heptadienal, 9CI

[42452-48-2]



$C_9H_{14}O$ M 138.2
Liq. Bp₁₀ 82-83°.

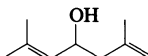
2,4-Dinitrophenylhydrazone: [42452-49-3].
Red needles. Mp 142°.

Seebald, H.J. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1973, **306**, 393 (*synth*)

Hoffmann, R.W. *et al*, *Annalen*, 1994, 837
(*synth*, *pmr*, *cmr*)

2,6-Dimethyl-1,5-heptadien-4-ol, 9CI

[19550-64-2]



$C_9H_{16}O$ M 140.2
(±)-*form* [124727-43-1]

Liq. Bp, 69°.

Ac: [77963-75-8].

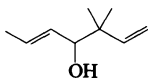
$C_{11}H_{18}O_2$ M 182.2 Liq. Bp₁₇ 68-70°.

Mori, K. *et al*, *Agric. Biol. Chem.*, 1981, **45**, 369
(*synth*, *Ac*, *ir*, *pmr*)

Weyerstahl, P. *et al*, *Annalen*, 1986, 99 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

3,3-Dimethyl-1,5-heptadien-4-ol, 9CI

[79705-04-7]



$C_9H_{16}O$ M 140.2

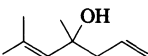
Oil. Bp₂₀ 77-79°.

Alder, K. *et al*, *Annalen*, 1957, **609**, 1 (*synth*)

Cohen, T. *et al*, *Synth. Commun.*, 1995, **25**, 33
(*synth*, *pmr*, *cmr*, *ir*)

4,6-Dimethyl-1,5-heptadien-4-ol, 9CI

[926-20-5]



$C_9H_{16}O$ M 140.2

(±)-*form* [123033-25-0]

Liq. Bp 168-170°, Bp₇ 55-57°. n_D^{20} 1.4598.

Me ether: **4-Methoxy-4,6-dimethyl-1,5-heptadiene**

$C_{10}H_{18}O$ M 154.2 Liq. Bp₃₀ 70-71°.

Et ether: **4-Ethoxy-4,6-dimethyl-1,5-heptadiene**

$C_{11}H_{20}O$ M 168.2 Liq. Bp₃₈ 74-75°.

Henze, H.R. *et al*, *J.O.C.*, 1942, **7**, 326 (*props*)

Sorensen, T.S. *et al*, *Can. J. Chem.*, 1964, **42**, 2781 (*synth*)

Pansevich-Kolyada, V.I. *et al*, *Zh. Obshch. Khim.*, 1965, **1**, 57; *J. Org. Chem. USSR (Engl. Transl.)*, 1965, **1**, 55 (*ethers*, *synth*)

Pansevich-Kolyada, V.I. *et al*, *Zh. Obshch. Khim.*, 1970, **40**, 2067; *J. Gen. Chem. USSR (Engl. Transl.)*, 1970, **40**, 2052 (*synth*, *ir*)

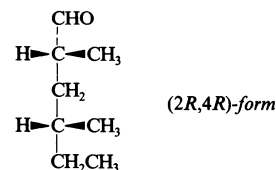
House, H.O. *et al*, *J.O.C.*, 1978, **43**, 2443 (*synth*, *ir*, *pmr*)

Fukuzawa, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1992, **65**, 3308 (*pmr*, *cmr*)

2,4-Dimethylhexanal

D-1-00408

[20514-48-1]



$C_8H_{16}O$ M 128.2

(**2R,4R**)-*form* [62856-65-9]

Pale yellow oil.

2,4-Dinitrophenylhydrazone: Cryst. (EtOH).

Mp 112-113°. $[\alpha]_D^{25}$ -37.6 (c, 0.25 in $CHCl_3$).

(±)-*form*

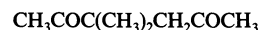
4-Methylbenzenesulfonylhydrazone: Cryst.

Mp 62-64°. Mixt. of diastereoisomers.

[42329-87-3, 42330-30-3]

Bertz, S.H. *et al*, *J.O.C.*, 1983, **48**, 116 (*synth*, *pmr*)

White, J.D. *et al*, *J.O.C.*, 1994, **59**, 3347 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

3,3-Dimethyl-2,5-hexanedione D-1-00409

$C_8H_{14}O_2$ M 142.1

Liq. d_4^{25} 0.95. Bp₂₀ 93°, Bp₁₀ 77-78°. n_D^{20} 1.4380.

Bis(semicarbazone): Cryst. (EtOH aq.). Mp 205-206° dec.

Bis(2,4-dinitrophenylhydrazone): Orange-yellow needles (methylcellosolve). Mp 217-218°.

Patrick, T., *J.O.C.*, 1952, **17**, 1269 (*synth*)

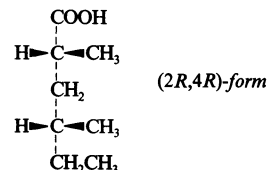
Crombie, L. *et al*, *J.C.S.*, 1958, 4417 (*synth*, *ir*)

Cadman, M.L.F. *et al*, *J.C.S. Perkin I*, 1995, 1397 (*synth*, *ir*, *pmr*)

2,4-Dimethylhexanoic acid

D-1-00410

[70621-82-8]



$C_8H_{16}O_2$ M 144.2

(**2R,4R**)-*form* [130248-45-2]

(**2D,4D**)-*form*

Oil. Bp₂₀ 125°. $[\alpha]_D^{20}$ -30.6 (c, 3.01 in $CHCl_3$).

(**2R,4S**)-*form* [42329-90-8]

(**2D,4L**)-*form*

Me ester:

 $C_9H_{18}O_2$ M 158.2 Liq. d_4^{24} 0.87. $[\alpha]_D^{23}$ –8.1.(2*S*,4*S*)-form [42330-37-0](2*L*,4*L*)-formMe ester: Liq. d_4^{22} 0.87. $[\alpha]_D^{24}$ +32.2.

(±)-form

Liq. Bp_{18} 113-116°. Prob. mixt. of diastereoisomers.Stetter, H. *et al*, *Chem. Ber.*, 1958, **91**, 374

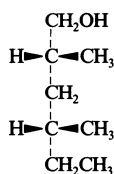
(synth)

Frohardt, R.P. *et al*, *J.A.C.S.*, 1959, **81**, 5500

(synth)

Odham, G., *Ark. Kemi*, 1967, **26**, 367 (synth, gc, ms)Bestmann, H.J. *et al*, *Annalen*, 1988, 55 (synth, pmr, ir)White, J.D. *et al*, *J.O.C.*, 1994, **59**, 3347 (synth, ir, pmr, cmr, ms)**2,4-Dimethyl-1-hexanol****D-1-00411**

[3965-59-1]

 $C_8H_{18}O$ M 130.2

Aroma and taste producing constit. of wine.

(2*R*,4*R*)-form [130322-50-8]Oil. $[\alpha]_D^{22}$ +3.7 (c, 1.67 in $CHCl_3$).

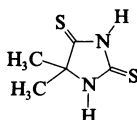
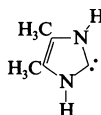
[111675-63-9, 159346-50-6]

Lardicci, L. *et al*, *Tetrahedron*, 1966, **22**, 1991 (synth)Chenyaga, B.S. *et al*, *Prikl. Khromatogr.*, 1984, 157; *CA*, **102**, 130376n (glc)White, J.D. *et al*, *J.O.C.*, 1994, **59**, 3347 (synth, ir, pmr, cmr, ms)**5,5-Dimethyl-2,4-****imidazolidinedithione, 9CI****D-1-00412**

5,5-Dimethyl-2,4-dithiohydantoin, 8CI.

Thiomedan. Vincidol

[20513-25-1]

 $C_5H_8N_2S_2$ M 160.2Antiepileptic agent. Pale yellow needles (C_6H_6). Mp 144°.► LD₅₀ (mus, ipr) 500 mg/kg. MU0990000.Carrington, H.C., *J.C.S.*, 1947, 681 (synth)Hazard, R. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1948, **226**, 1850; 1949, **228**, 958, 1762; 1950, **230**, 243 (pharmacol)Frommel, E. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1952, **92**, 44 (pharmacol)Robbe, Y. *et al*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1982, **17**, 235 (synth, use, tox)Cristiani, F. *et al*, *Spectrochim. Acta A*, 1985, **41**, 487 (ir)Devillanova, F.A. *et al*, *J. Chem. Res., Synop.*, 1987, **6**, 192 (cryst struct)**4,5-Dimethyl-2-imidazolylidene****D-1-00413** $C_5H_8N_2$ M 96.1

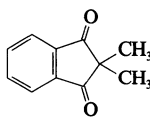
N,N'-Di-Me: 1,3,4,5-Tetramethyl-2-imidazolylidene

 $C_7H_{12}N_2$ M 124.1 Simple stable carbene. Cryst. (toluene or THF). Mp 109-110°.Arduengo, A.J. *et al*, *J.A.C.S.*, 1992, **114**, 5530 (synth)**2,2-Dimethyl-1,3-indanedione, D-1-00414**

8CI

2,2-Dimethyl-1*H*-indene-1,3-(2*H*)-dione, 9CI

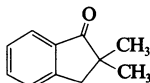
[17190-77-1]

 $C_{11}H_{10}O_2$ M 174.1Needles (EtOH aq.). Sol. EtOH, Et₂O, C₆H₆, hot H₂O. Mp 107-108° (101-103.5°).Wislicenus, W. *et al*, *Annalen*, 1889, **246**, 352 (synth)Nazarov, I.M. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1956, 205; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1956, 197 (synth)Bettembourg, M.-C. *et al*, *Bull. Soc. Chim. Fr.*, 1963, 2449 (synth)Giovannelli, von K.H. *et al*, *Ber. Bunsen-Ges. Phys. Chem.*, 1971, **75**, 864 (uv)Watanabe, M. *et al*, *Synthesis*, 1994, 1083 (synth, uv, pmr, cmr)**2,2-Dimethyl-1-indanone****D-1-00415**

Updated Entry replacing D-0-05812

2,3-Dihydro-2,2-dimethyl-1*H*-inden-1-one, 9CI

[10489-28-8]

 $C_{11}H_{12}O$ M 160.2

Liq.

Orliac-LeMoing, A. *et al*, *Tetrahedron*, 1985, **41**, 4483 (synth, ir, pmr)**2,3-Dimethyl-1-indanone****D-1-00416**2,3-Dihydro-2,3-dimethyl-1*H*-inden-1-one, 9CI

[36230-99-6]

 $C_{11}H_{12}O$ M 160.2Mixt. of *cis*- and *trans*-isomers. Oil. Bp_{10} 118-120°.

[30248-92-1, 30272-59-4]

Bartrop, J.A. *et al*, *J.C.S.*, 1956, 2928 (synth)Smouno, I. *et al*, *Synth. Commun.*, 1990, **20**, 1387 (synth, ir, pmr)**2,4-Dimethyl-1-indanone****D-1-00417**2,3-Dihydro-2,4-dimethyl-1*H*-inden-1-one, 9CI [64919-47-7] $C_{11}H_{12}O$ M 160.2

(±)-form

Cryst. Mp 36-37°. Bp_{14} 130-134°.Bachmann, W.F. *et al*, *J.C.S.*, 1936, 54 (synth)Elsner, B.B. *et al*, *J.C.S.*, 1957, 592 (synth)**2,5-Dimethyl-1-indanone****D-1-00418**2,3-Dihydro-2,5-dimethyl-1*H*-inden-1-one, 9CI [89044-48-4] $C_{11}H_{12}O$ M 160.2

(±)-form

Oil. Bp_{14} 136°.Colonge, J. *et al*, *Bull. Soc. Chim. Fr.*, 1952, 462 (synth)Fukuoka, M. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 3113 (synth, ir, uv, pmr, cmr)**2,6-Dimethyl-1-indanone****D-1-00419**2,3-Dihydro-2,6-dimethyl-1*H*-inden-1-one, 9CI [66309-83-9] $C_{11}H_{12}O$ M 160.2

(±)-form

Oil. Bp_{17} 141-144°.Colonge, J. *et al*, *Bull. Soc. Chim. Fr.*, 1951, 961 (synth)Fukuoka, M. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 3113 (synth, ir, uv, pmr, cmr)**2,7-Dimethyl-1-indanone****D-1-00420**2,3-Dihydro-2,7-dimethyl-1*H*-inden-1-one, 9CI [89044-49-5] $C_{11}H_{12}O$ M 160.2

(±)-form

Oil. $Bp_{0.04}$ 109°.Fukuoka, M. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 3113 (synth, ir, uv, pmr, cmr)**3,3-Dimethyl-1-indanone****D-1-00421**2,3-Dihydro-3,3-dimethyl-1*H*-inden-1-one, 9CI [26465-81-6] $C_{11}H_{12}O$ M 160.2Oil. Bp_{16} 122-125°, $Bp_{0.1}$ 65-71°.Thompson, H.W. *et al*, *J.C.S. Perkin I*, 1976, 1603 (synth, pmr)Quinn, K.J. *et al*, *Aust. J. Chem.*, 1981, **34**, 685 (synth, ir, pmr)Hillery, P.S. *et al*, *J.A.C.S.*, 1983, **105**, 2760 (synth, ir, pmr)**3,4-Dimethyl-1-indanone****D-1-00422**2,3-Dihydro-3,4-dimethyl-1*H*-inden-1-one, 9CI [35322-82-8] $C_{11}H_{12}O$ M 160.2

(±)-form

Oil.

Kemp, W. *et al*, *J.C.S. Perkin I*, 1972, 151 (synth, ir, pmr)Vickery, E.H. *et al*, *Org. Prep. Proced. Int.*, 1979, **11**, 255 (synth)**3,6-Dimethyl-1-indanone****D-1-00423**2,3-Dihydro-3,6-dimethyl-1*H*-inden-1-one, 9CI [17714-94-2] $C_{11}H_{12}O$ M 160.2

(±)-formOil. Bp₁₀ 130-134°, Bp₅ 100-102°.Pines, H. *et al*, *J.A.C.S.*, 1949, **71**, 3534 (*synth*)
Elsner, B.B. *et al*, *J.C.S.*, 1957, 592 (*synth*)
Kemp, W. *et al*, *J.C.S. Perkin I*, 1972, 151
(*synth*, *pmr*)**3,7-Dimethyl-1-indanone D-1-00424**

2,3-Dihydro-3,7-dimethyl-1H-inden-1-one, 9CI

C₁₁H₁₂O M 160.2**(±)-form**Oil. Bp_{0.3} 75-77°.

[40267-38-7]

Tada, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1975, **48**,
549 (*synth*, *ir*, *uv*)Allen, J.M. *et al*, *Tetrahedron*, 1977, **33**, 2083
(*synth*)**4,5-Dimethyl-1-indanone D-1-00425**

2,3-Dihydro-4,5-dimethyl-1H-inden-1-one, 9CI

[37678-61-8]

C₁₁H₁₂O M 160.2

Needles. Mp 99°.

Hart, R.T. *et al*, *J.A.C.S.*, 1950, **72**, 3286 (*synth*)
Nakada, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1972,
45, 2243 (*ir*, *uv*, *pmr*)Bartmann, W. *et al*, *J. Het. Chem.*, 1987, **24**,
677 (*synth*)**4,6-Dimethyl-1-indanone D-1-00426**

2,3-Dihydro-4,6-dimethyl-1H-inden-1-one

[1685-81-0]

C₁₁H₁₂O M 160.2

Cryst. Mp 121°.

Bartmann, W. *et al*, *J. Het. Chem.*, 1987, **24**,
677 (*synth*)**4,7-Dimethyl-1-indanone D-1-00427**

2,3-Dihydro-4,7-dimethyl-1H-inden-1-one

[5037-60-5]

C₁₁H₁₂O M 160.2

Cryst. Mp 78-79°.

Bartmann, W. *et al*, *J. Het. Chem.*, 1987, **24**,
677 (*synth*)Frim, R. *et al*, *Chem. Ber.*, 1989, **122**, 737
(*synth*, *ir*, *pmr*, *ms*)**5,6-Dimethyl-1-indanone D-1-00428**

2,3-Dihydro-5,6-dimethyl-1H-inden-1-one, 9CI

[16440-97-4]

C₁₁H₁₂O M 160.2

Cryst. (petrol). Mp 87-88°.

Sliwa, H., *Bull. Soc. Chim. Fr.*, 1970, 631 (*synth*,
ir, *pmr*)Bartmann, W. *et al*, *J. Het. Chem.*, 1987, **24**,
677 (*synth*)**5,7-Dimethyl-1-indanone D-1-00429**

2,3-Dihydro-5,7-dimethyl-1H-inden-1-one, 9CI

[6682-69-5]

C₁₁H₁₂O M 160.2

Needles. Mp 76-77°.

Bergmark, W.R. *et al*, *J.O.C.*, 1985, **50**, 5612
(*ir*, *pmr*)Bartmann, W. *et al*, *J. Het. Chem.*, 1987, **24**,
677 (*synth*)**6,7-Dimethyl-1-indanone D-1-00430**

2,3-Dihydro-6,7-dimethyl-1H-inden-1-one, 9CI

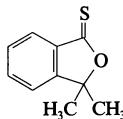
[16440-98-5]

C₁₁H₁₂O M 160.2

Cryst. Mp 47-50°.

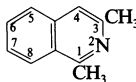
Bartmann, W. *et al*, *J. Het. Chem.*, 1987, **24**,
677 (*synth*)**3,3-Dimethyl-1(3H)- D-1-00431**

isobenzofuranthione

C₁₀H₁₀OS M 178.2Cryst. Mp 33-34°. Bp₃ 130°.Nishio, T., *J.C.S. Perkin I*, 1995, 561 (*synth*, *ir*,
pmr, *cmr*)**1,3-Dimethylisoquinoline, 9CI D-1-00432**

Updated Entry replacing D-0-09761

[1721-94-4]

C₁₁H₁₁N M 157.2Bp₁₅ 134-135°.*Picrate*: [73480-90-7].

Mp 181-182°.

Fitton, A.O. *et al*, *Chem. Comm.*, 1973, 889
(*synth*)Zielinski, W., *Synthesis*, 1980, 70 (*synth*, *spectra*)Mukkala, V. *et al*, *Helv. Chim. Acta*, 1992, **75**,
1621 (*synth*, *uv*, *pmr*)**1,4-Dimethylisoquinoline, 9CI D-1-00433**

[1721-95-5]

C₁₁H₁₁N M 157.2Oil. Bp_{0.05} 78-82°.*Picrate*: Cryst. Mp 225°.

N-Oxide: [35967-07-8].

C₁₁H₁₁NO M 173.2 Cryst. Mp 50-
51°.Späth, F. *et al*, *Ber.*, **B**, 1930, **63**, 134 (*synth*)Krabbe, W. *et al*, *Ber.*, **B**, 1941, **74**, 1905 (*synth*)Agrawal, K.C. *et al*, *J. Med. Chem.*, 1972, **15**,
192; 1976, **19**, 970 (*synth*, *pmr*)**1,5-Dimethylisoquinoline D-1-00434**

[72678-15-0]

C₁₁H₁₁N M 157.2*Picrate*: Cryst. Mp 230-231°.Spath, F. *et al*, *Ber.*, **B**, 1930, **63**, 134 (*synth*)**1,6-Dimethylisoquinoline, 9CI D-1-00435**C₁₁H₁₁N M 157.2Bp₂₀ 160-165°.*Picrate*: Yellow needles (EtOH). Mp 225-
227°.Quelet, R. *et al*, *C. R. Hebd. Seances Acad. Sci.*,
1957, **244**, 909 (*synth*)Vinot, N., *Ann. Chim. (Paris)*, 1958, **3**, 461
(*synth*)Jones, G., *J.C.S.*, 1960, 1918 (*synth*, *uv*)**1,7-Dimethylisoquinoline D-1-00436**C₁₁H₁₁N M 157.2Mp 35-37°. Bp₁₅ 148-150°.*Picrate*: Yellow prisms (EtOH). Mp 223-
224°.Jones, G., *J.C.S.*, 1960, 1918 (*synth*, *uv*)**1,8-Dimethylisoquinoline, 9CI D-1-00437**

[102878-54-6]

C₁₁H₁₁N M 157.2

Mp 49-51°.

Jones, G., *J.C.S.*, 1960, 1918 (*synth*)**3,4-Dimethylisoquinoline, 9CI D-1-00438**C₁₁H₁₁N M 157.2*Picrate*: Cryst. (H₂O). Mp 224-226° (212-
213°).

[37978-64-6]

Witkop, B., *J.A.C.S.*, 1948, **70**, 1424 (*synth*)Jones, G., *J.C.S.*, 1960, 1896 (*synth*)**3,5-Dimethylisoquinoline D-1-00439**C₁₁H₁₁N M 157.2*Picrate*: Pale yellow needles (EtOH). Mp
219-220°.Gibson, M.S., *J.C.S.*, 1956, 808 (*synth*)**3,6-Dimethylisoquinoline, 9CI D-1-00440**

[102878-58-0]

C₁₁H₁₁N M 157.2

Cryst. Mp 78-79°.

Picrate: Cryst. Mp 209-211° (193-195°).Vinot, N., *Bull. Soc. Chim. Fr.*, 1960, 617
(*synth*)Kido, K. *et al*, *Chem. Pharm. Bull.*, 1987, **35**,
4964 (*synth*, *uv*)**4,5-Dimethylisoquinoline D-1-00441**C₁₁H₁₁N M 157.2*Picrate*: Yellow needles (Me₂CO). Mp 234-
235°.Gibson, M.S., *J.C.S.*, 1956, 808 (*synth*)**4,7-Dimethylisoquinoline D-1-00442**C₁₁H₁₁N M 157.2Bp₁₅ 140°.*Picrate*: Yellow prisms (EtOH). Mp 223°.Jones, G., *J.C.S.*, 1960, 1918 (*synth*, *uv*)**5,7-Dimethylisoquinoline, 9CI D-1-00443**

[72374-17-5]

C₁₁H₁₁N M 157.2*Picrate*: Yellow needles (EtOH). Mp 261-
262° dec.Gibson, M.S., *J.C.S.*, 1956, 808 (*synth*)Gilchrist, T.L. *et al*, *Chem. Comm.*, 1979, 627
(*synth*)**5,8-Dimethylisoquinoline, 9CI D-1-00444**

[75476-82-3]

C₁₁H₁₁N M 157.2*Picrate*: Yellow needles (EtOH). Mp 233-
236°.

N-Oxide: [155826-17-8].

C₁₁H₁₁NO M 173.2 Needles (EtOH).
Mp 146-149°.

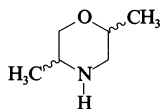
Miller, R.B. *et al*, *J.O.C.*, 1980, **45**, 5312 (*synth*)
 Marsais, F. *et al*, *J. Het. Chem.*, 1988, **25**, 81
 (*synth, pmr*)
 Boogaard, A.J. *et al*, *Tetrahedron*, 1994, **50**,
 4811 (*synth, ir, pmr, ms*)

6,8-Dimethylisoquinoline, 9CI D-1-00445
 [67878-83-5]

$C_{11}H_{11}N$ M 157.2

Su, J.-A. *et al*, *Org. Magn. Reson.*, 1977, **10**, 122
 (*synth, cmr*)

2,5-Dimethylmorpholine, 9CI D-1-00446
 [106-56-9]

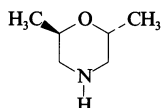


$C_6H_{13}NO$ M 115.1
 Liq. Bp 145°. n_D^{16} 1.4459.

Berlin, A.Ya. *et al*, *Zh. Obshch. Khim.*, 1950, **20**,
 640; *J. Gen. Chem. USSR (Engl. Transl.)*,
 1950, **20**, 677 (*synth*)

Hernestam, S. *et al*, *Org. Magn. Reson.*, 1978,
11, 116 (*cmr*)

2,6-Dimethylmorpholine, 9CI D-1-00447
 [141-91-3]



(2*RS*,6*RS*)-form

$C_6H_{13}NO$ M 115.1

(2*RS*,6*RS*)-form [6485-45-6]
 (\pm)-trans-form
 Liq. $n_D^{22.3}$ 1.4480.

Picrate: Yellow needles. Mp 161-162°.

(2*RS*,6*SR*)-form [6485-55-8]

cis-form

Liq. Bp 142°. $n_D^{22.3}$ 1.4438.

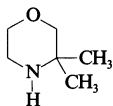
Picrate: Yellow needles (EtOH). Mp 199-
 200°.

U.K. Pat., 298 336, (1927); *CA*, **23**, 2723 (*synth*)

Booth, H. *et al*, *Tetrahedron*, 1965, **21**, 3429
 (*purif, pmr*)

Hernestam, S. *et al*, *Org. Magn. Reson.*, 1978,
11, 116 (*cmr*)

3,3-Dimethylmorpholine, 9CI D-1-00448
 [59229-63-9]



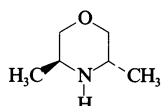
$C_6H_{13}NO$ M 115.1

Liq. Bp 143-144°. n_D^{20} 1.4472.

Cottle, D.L. *et al*, *J.O.C.*, 1946, **11**, 286 (*synth*)

Jones, A.J. *et al*, *Can. J. Chem.*, 1976, **54**, 126
 (*cmr*)

3,5-Dimethylmorpholine, 9CI D-1-00449
 [123-57-9]



(3*S*,5*S*)-form

$C_6H_{13}NO$ M 115.1

(3*S*,5*S*)-form [154634-96-5]

(+)-trans-form

Oil. Bp₆₅ 75°. $[\alpha]_D^{20}$ +38.3 (neat).

Berlin, A.Ya. *et al*, *Zh. Obshch. Khim.*, 1950, **20**,
 640; *J. Gen. Chem. USSR (Engl. Transl.)*,
 1950, **20**, 677 (*synth*)

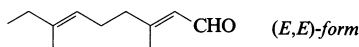
Hernestam, S. *et al*, *Org. Magn. Reson.*, 1978,
11, 116 (*cmr*)

Enders, D. *et al*, *Synthesis*, 1994, 66 (*synth, pmr*,
cmr)

3,7-Dimethyl-2,6-nonadienal, D-1-00450
 9CI

Ethyl citral

[41448-29-7]



(*E,E*)-form

$C_{11}H_{18}O$ M 166.2

Used in perfumery and in synth. of juvenile
 hormone analogues. Yellow liq. with
 strong lemon scent. d 0.89.

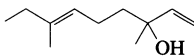
[70173-14-7, 70173-15-8, 121952-89-4]

Freeman, R.K. *et al*, *Tetrahedron*, 1988, **44**,
 5051 (*synth, pmr, ir, ms*)

3,7-Dimethyl-1,6-nonadien-3- **D-1-00451**
ol

Ethyllinalool

[10339-55-6]



$C_{11}H_{20}O$ M 168.2

Used in perfumery. d 0.86. Bp 45-50°. n_D^{30}
 1.4580.

Ac: [61931-80-4]. Ethyllinalyl acetate

$C_{13}H_{22}O_2$ M 210.3 Used in
 perfumery. d 0.90. n_D^{20} 1.45.

[54592-32-4, 92590-71-1]

Mori, K. *et al*, *Tetrahedron*, 1969, **25**, 1667.

Krimer, M.Z. *et al*, *Zh. Org. Khim.*, 1974, **10**,
 1614.

Vaidya, N.A. *et al*, *Indian J. Chem., Sect. B*,
 1984, **23**, 241.

2,2-Dimethylpentanoic acid, D-1-00452
 9CI

2,2-Dimethylvaleric acid, 8CI

[1185-39-3]

$H_3CCH_2CH_2C(CH_3)_2COOH$

$C_7H_{14}O_2$ M 130.1

Liq. d_4^{20} 0.9189. Bp₉ 98-99°. n_D^{20} 1.4212.

Me ester: [813-68-3].

$C_8H_{16}O_2$ M 144.2 Liq. Bp 144-145°.

Et ester: [5837-93-4].

$C_9H_{18}O_2$ M 158.2 Liq. Bp 161.0-
 161.5°.

Chloride: [15721-22-9].

$C_7H_{13}ClO$ M 148.6 Liq. Bp₁₀ 45°.

Amide: [13146-36-6].

$C_7H_{15}NO$ M 129.2 Mp 95-96°.

Nitrile: [20654-47-1]. 2-Cyano-2-
 methylpentane

$C_7H_{13}N$ M 111.1 Liq. Bp₄₀ 60°.

Locquin, R. *et al*, *Bull. Soc. Chim. Fr.*, 1926, **39**,
 433 (*Me ester, chloride, amide*)

Terent'ev, A.B. *et al*, *Org. Magn. Reson.*, 1977,
9, 301 (*cmr*)

Rüchardt, C. *et al*, *Chem. Ber.*, 1981, **114**, 3831;
 1994, **127**, 2225 (*nitrile, synth*)

3,3-Dimethyl-1-penten-4-yne, D-1-00453
 9CI

[43219-81-4]

$HC\equiv CC(CH_3)_2CH=CH_2$

C_7H_{10} M 94.1

Liq. d_4^{20} 0.72. Bp 67-68°. n_D^{20} 1.4050.

Peiffer, G., *C. R. Hebd. Seances Acad. Sci.*,
 1964, **258**, 3499 (*synth*)

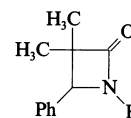
Bubnov, Y.N. *et al*, *Synthesis*, 1980, 904 (*synth*,
pmr)

Barbot, F. *et al*, *J. Organomet. Chem.*, 1992,
440, 249 (*synth, ir, pmr*)

Roth, W.R. *et al*, *Annalen*, 1995, 1061 (*synth*,
pmr, ir, ms)

3,3-Dimethyl-4-phenyl-2- **D-1-00454**
azetidione

[7486-93-3]



$C_{11}H_{13}NO$ M 175.2

(\pm)-form

Mp 104-105°.

Colvin, E.W. *et al*, *Tetrahedron*, 1988, **44**, 4157.

Ishihara, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1995,
68, 1721 (*synth*)

3,3-Dimethyl-1-phenyl-2- **D-1-00455**
butylamine

α -(1,1-Dimethylethyl)benzeneethanamine, 9CI.
 2-Amino-3,3-dimethyl-1-phenylbutane

[67309-37-9]

$(H_3C)_3CCH(NH_2)CH_2Ph$

$C_{12}H_{19}N$ M 177.2

(\pm)-form [84524-60-7]

Oil.

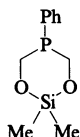
Hydrochloride: [84524-43-6].

Mp 189-190°.

Hall, S.S. *et al*, *J.O.C.*, 1986, **51**, 5338 (*synth, ir*,
pmr, ms)

Katritzky, A.R. *et al*, *Synth. Commun.*, 1994,
24, 2955 (*synth*)

2,2-Dimethyl-5-phenyl-1,3-dioxo-5-phospha-2-silacyclohexane, 9CI
[71787-50-3]



$C_{10}H_{15}O_2PSi$ M 226.2
Synth. from $PhP(CH_2OH)_2 + Me_2SiCl_2$. Liq.
Bp₃ 95-97°. n_D^{18} 1.5392.

5-Sulfide: [80202-58-0].
 $C_{10}H_{15}O_2PSSi$ M 258.3 Solid. Mp 80-81°.

5-Selenide: [93594-04-8].
 $C_{10}H_{15}O_2PSeSi$ M 305.2 Liq. Bp_{0.03} 148-151°.
[83264-13-5]

Voronkov, M.G. et al, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1979, **247**, 609; *Dokl. Chem. (Engl. Transl.)*, 1979, **247**, 355 (synth, ir, P-31 nmr, conformn)

Gluklikh, V.I. et al, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1979, **247**, 1179; *Dokl. Phys. Chem. (Engl. Transl.)*, 1979, **247**, 682 (pmr, cmr, P-31 nmr)

Voronkov, M.G. et al, *Zh. Obshch. Khim.*, 1981, **51**, 2176; *J. Gen. Chem. USSR (Engl. Transl.)*, 1981, **51**, 1872 (sulfide, ms, P-31 nmr)

Panov, A.M. et al, *Zh. Obshch. Khim.*, 1981, **51**, 2631; *J. Gen. Chem. USSR (Engl. Transl.)*, 1981, **51**, 2269 (sulfide, synth, ms, P-31 nmr)

Kirillova, N.I. et al, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1984, **278**, 366 (cryst struct)

Patsanovskii, I.I. et al, *Zh. Obshch. Khim.*, 1984, **54**, 1738; *J. Gen. Chem. USSR (Engl. Transl.)*, 1984, **54**, 1549 (sulfide, selenide, pmr, cmr, P-31 nmr, Se-77 nmr)

Zyablikova, T.A. et al, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1990, 776; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1990, 688 (selenide, P-31 nmr, Se-77 nmr)

(2,3-Dimethylphenyl) hydrazine, 9CI
2,3-Xylylhydrazine
[84401-19-4]



$C_8H_{12}N_2$ M 136.1
Needles (AcOH). Mp 108°.

Monohydrochloride: [56737-75-8].
Plates (AcOH). Mp 208°.

Franzen, H. et al, *J. Prakt. Chem.*, 1918, **97**, 344 (synth)

Marion, L. et al, *Can. J. Res., Sect. B*, 1947, **25**, 1 (synth)

(2,4-Dimethylphenyl) hydrazine, 9CI
2,4-Xylylhydrazine
[615-00-9]

$C_8H_{12}N_2$ M 136.1
Cryst. Mp 85°.

Monohydrochloride: [60480-83-3].
Cryst. Mp 184-186°.

Monopicate: [24006-16-4].

Yellow cryst. (EtOH). Mp 135-136° dec.
Hunsberger, I.M. et al, *J.O.C.*, 1956, **21**, 394 (synth)
Kauffmann, T. et al, *Chem. Ber.*, 1969, **102**, 3088 (synth)

(2,5-Dimethylphenyl) hydrazine, 9CI
2,5-Xylylhydrazine
[613-85-4]

$C_8H_{12}N_2$ M 136.1
Cryst. Mp 78°.

Monohydrochloride: [56737-78-1].
Cryst. Mp 209°.

Monopicate: [24006-17-5].
Yellow needles. Mp 133-134°.
[73058-75-0]

Carlin, R.B. et al, *J.A.C.S.*, 1959, **81**, 4673 (synth)
Kauffmann, T. et al, *Chem. Ber.*, 1969, **102**, 3088 (synth)

(2,6-Dimethylphenyl) hydrazine, 9CI
2,6-Xylylhydrazine
[603-77-0]

$C_8H_{12}N_2$ M 136.1
Long needles (petrol). Mp 36-40°.

Monohydrochloride: [2538-61-6].
Needles (EtOH). Mp 211° dec.

[78157-43-4]

Carlin, R.B. et al, *J.A.C.S.*, 1959, **81**, 4673 (synth)

(3,4-Dimethylphenyl) hydrazine, 9CI
3,4-Xylylhydrazine
[13636-53-8]

$C_8H_{12}N_2$ M 136.1
Yellow needles (Et₂O). Mp 57°.

Monohydrochloride: [60481-51-8].
Cryst. (H₂O). Mp 197° dec.

Monopicate: [24006-18-6].
Yellow needles. Mp 142-143°.

[86746-50-1]

Franzen, H. et al, *J. Prakt. Chem.*, 1918, **97**, 344 (synth)

Kauffmann, T. et al, *Chem. Ber.*, 1969, **102**, 3088 (synth)

(3,5-Dimethylphenyl) hydrazine, 9CI
3,5-Xylylhydrazine
[39943-61-8]

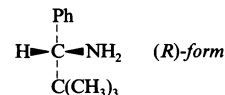
$C_8H_{12}N_2$ M 136.1
Cryst. Mp 80-82°. Sensitive to air and light.

[60481-36-9]

Borsche, W. et al, *Annalen*, 1941, **549**, 238 (synth)

Snyder, H.R. et al, *J.A.C.S.*, 1953, **75**, 1873 (synth)

2,2-Dimethyl-1-phenyl-1-propylamine
 α -(1,1-Dimethylethyl)benzenemethanamine, 9CI. α -tert-Butylbenzylamine, 8CI
[61501-04-0]



$C_{11}H_{17}N$ M 163.2

(R)-form [3082-71-1]

Oil. Bp₁₄ 99-101°. $[\alpha]_D^{25} + 5.6$ (neat), $[\alpha]_D^{25} + 2.5$ (c, 4 in MeOH).

Hydrochloride: [19068-35-0].
Cryst. (EtOH/Et₂O). $[\alpha]_D^{26} + 5.5$ (c, 2 in EtOH). Sublimes at 200°.

N-Ac: [2975-91-9].

$C_{13}H_{19}NO$ M 205.2 Solid. Mp 135-137°. Subl_{0.02} 100°. $[\alpha]_D^{28} + 77.0$ (c, 2.01 in EtOH).

(S)-form [82729-98-4]

Oil. Bp₂₈ 115-117°, Bp_{0.25} 45°. $[\alpha]_D^{25} - 5.4$ (neat), $[\alpha]_D^{24} - 2.26$ (c, 5.3 in MeOH) (90% ee).

Hydrochloride: [108082-57-1].
 $[\alpha]_D^{25} - 5.0$ (c, 1.6 in EtOH).

(±)-form [42070-95-1]

Oil. Bp₂₂ 115°.

Hydrochloride: Cryst. (EtOH). Mp 220° dec.
N-Formyl: [42071-02-3].

$C_{12}H_{17}NO$ M 191.2 Cryst. (petrol).
Mp 66-67°.

N-Ac: Cubes (EtOH aq.). Mp 133-134°.

N-Me: [42071-11-4].

$C_{12}H_{19}N$ M 177.2 Liq. Bp₁₀ 92-92.5°.

Billon, P., *Ann. Chim. (Paris)*, 1927, **7**, 314 (synth)

Smith, H.E. et al, *J.A.C.S.*, 1965, **87**, 1757;

1987, **109**, 3361 (synth, resoln, w)

Smith, H.E. et al, *J.O.C.*, 1965, **30**, 2654 (Ac, synth)

Červinka, O. et al, *Coll. Czech. Chem. Comm.*, 1970, **35**, 721; 1973, **38**, 441 (synth, Ac, formyl)

Hall, S.S. et al, *J.O.C.*, 1986, **51**, 5338 (synth, ir, pmr, ms)

Dieter, R.K. et al, *Can. J. Chem.*, 1994, **71**, 814 (synth, pmr, cmr)

N,N'-Dimethyl-N-phenylurea, D-1-00464
9CI
Vulpex
[938-91-0]

MeNHCONMePh

$C_9H_{12}N_2O$ M 164.2

Shows herbicidal props. Cryst. (EtOH). Mp 78-81°.

Briody, T.A. et al, *Tetrahedron*, 1977, **33**, 1469 (synth)

P-[2-(Dimethylphosphino)ethyl]-N,N,N',N'-tetramethylphosphonous diamide
[2-(Dimethylphosphino)ethyl]phosphonous bis(dimethylamide)
[63578-30-3]

Me₂PCH₂CH₂P(NMe₂)₂

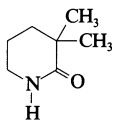
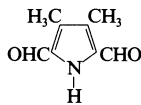
$C_8H_{22}N_2P_2$ M 208.2

Ligand. Liq. Bp_{0.007} 40-45°.King, R.B. *et al*, *J.A.C.S.*, 1977, **99**, 4001
(*synth*, *pmr*, *cmr*, P-31 *nmr*)**Dimethylphosphinylacetic acid D-1-00466**
[6226-01-3] $\text{C}_4\text{H}_9\text{O}_3\text{P}$ M 136.0

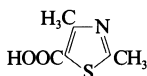
Oil which cryst. (MeCN/EtOAc). Mp 97-98°, Mp 105-106°. Hygroscopic.

Et ester: [17534-98-4]. *Ethyl dimethylphosphinyl acetate* $\text{C}_6\text{H}_{13}\text{O}_3\text{P}$ M 164.1 Cryst. (Et₂O/hexane). Mp 42.5-43.5°. Bp₁ 147-149°.Gladstein, B.M. *et al*, *Zh. Obshch. Khim.*, 1967, **37**, 2055; *J. Gen. Chem. USSR (Engl. Transl.)*, 1967, **37**, 1949 (*ester*)Malevannaya, R. *et al*, *Zh. Obshch. Khim.*, 1971, **41**, 2359; *J. Gen. Chem. USSR (Engl. Transl.)*, 1971, **41**, 2385 (*ester*)Tsvetkov, E.N. *et al*, *Zh. Obshch. Khim.*, 1974, **44**, 1225; *J. Gen. Chem. USSR (Engl. Transl.)*, 1974, **44**, 1203 (*pmr*, *props*)Chen, J. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **63**, 403 (*synth*, *pmr*, *cmr*, P-31 *nmr*)**3,3-Dimethyl-2-piperidinone, D-1-00467**
9CI

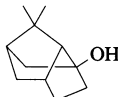
[23789-83-5]

 $\text{C}_7\text{H}_{13}\text{NO}$ M 127.1Solid (CH₂Cl₂/hexane). Mp 106-108° (102-103°).*Fr. Pat.*, 1 527 755, (1968); *CA*, **71**, 91328t (*synth*)Padwa, A. *et al*, *Synthesis*, 1994, 993 (*synth*, *ir*, *pmr*, *cmr*)**3,4-Dimethyl-1H-pyrrole-2,5-dicarboxaldehyde, 9CI**
D-1-00468*2,5-Diformyl-3,4-dimethyl-1H-pyrrole*
[51952-99-9] $\text{C}_8\text{H}_9\text{NO}_2$ M 151.1Cryst. (CH₂Cl₂/hexane). Mp 155-158.5°.Fischer, H. *et al*, *Annalen*, 1938, **533**, 216 (*synth*)
Battersby, A.R. *et al*, *J.C.S. Perkin 1*, 1984, 2733 (*synth*, *pmr*)Cadamuro, S. *et al*, *J.C.S. Perkin 1*, 1993, 2939 (*synth*, *ir*)**2,4-Dimethyl-5-thiazolecarboxylic acid D-1-00469**

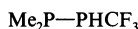
[53137-27-2]

 $\text{C}_6\text{H}_7\text{NO}_2\text{S}$ M 157.1*Anilide*: [21452-18-6]. *Metsulfovax*, *BSI*, *ANSI*. *2,4-Dimethyl-N-phenyl-5-thiazolecarboxamide*, *9CI*. *2,4-Dimethyl-1,3-thiazole-5-carboxanilide*. *Provax* $\text{C}_{12}\text{H}_{12}\text{N}_2\text{OS}$ M 232.3 Systemic fungicide. Cryst. Mp 140-142°. pK_a 2.05.► LD₅₀ (rat, orl) 3929 mg/kg.

[35019-85-3]

Mathre, D.E., *J. Agric. Food Chem.*, 1971, **19**, 872 (*activity*)Abdel-Lateef, M.F.A. *et al*, *Acta Phytopathol. Acad. Sci. Hung.*, 1973, **8**, 269, 283 (*synth*, *activity*)White, G.A., *Pestic. Biochem. Physiol.*, 1989, **34**, 255 (*synth*, *fungic activity*)*Pesticide Manual*, 9th edn., 1991, No. 8582.**8,8-Dimethyltricyclo[4.2.1.0^{3,7}]nonan-6-ol**
D-1-00470*Fortesol* $\text{C}_{11}\text{H}_{18}\text{O}$ M 166.2Revised struct. based on cryst. struct. detn. Semisynthetic monoterpenoid obt. by rearr. of (Nopol). Cryst. (petrol or Et₂O). Mp 75-77° (60-63°).Giddings, R.M. *et al*, *J.C.S. Perkin 2*, 1986, 1525 (*synth*, *ir*, *cmr*)Fortes, A.G. *et al*, *Acta Cryst. C*, 1995, **51**, 914 (*cryst struct*)**1,1-Dimethyl-2-(trifluoromethyl)diphosphine, 9CI**
D-1-00471

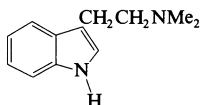
[117583-73-0]

 $\text{C}_3\text{H}_7\text{F}_3\text{P}_2$ M 162.0

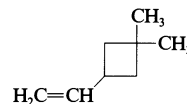
Liq. at -78°. Sol. org. solvs. V.p. 19 mm at 25°. Stable for 1 week at ambient temp.

Avens, L.R. *et al*, *Inorg. Chem.*, 1989, **28**, 200, 205 (*synth*, *ir*, F-19 *nmr*, P-31 *nmr*)**N,N-Dimethyltryptamine D-1-00472***N,N-Dimethyl-1H-indole-3-ethanamine*, *9CI*. *Nigerine*, *DMT*

[61-50-7]

 $\text{C}_{12}\text{H}_{16}\text{N}_2$ M 188.2Alkaloid from *Mimosa hostilis*, *Acacia* spp., *Arundo donax*, *Desmodium* spp., *Phalaris* spp., *Banisteriopsis argentea*, *Psychotria* spp., *Viola peruviana*, *Zanthoxylum* spp. and others (Leguminosae, Gramineae, Malpighiaceae, Rubiaceae, Myristicaceae, Rutaceae). Shows affinity for 5HT_{1D}-receptor sites. Shows hallucinogenic props. Drug of abuse. Mp 48-49° (39-44°).► LD₅₀ (mus, ipr) 47 mg/kg. NL7350000.*Methodide*: Mp 215-216°.*Picrate*: Yellow (stable) or red (metastable) cryst. Mp 171-172°.*N^b-Oxide*: [948-19-6]. *N,N-Dimethyltryptamine N-oxide* $\text{C}_{12}\text{H}_{16}\text{N}_2\text{O}$ M 204.2 Alkaloid from *Desmodium pulchellum*, *D. triflorum* and other *D.* spp., also *Piptadenia peregrina* and *P. pulchellum* (Leguminosae). Hydrate. Mp 123-128°.*N^b-Oxide, picrate*: Cryst. (EtOH). Mp 178-183°.Fish, M.S. *et al*, *J.A.C.S.*, 1955, **77**, 5892 (*isol*, *oxide*)Hochstein, F.A. *et al*, *J.A.C.S.*, 1957, **79**, 5735 (*isol*)Pachter, I.J. *et al*, *J.O.C.*, 1959, **24**, 1285 (*isol*)
Culvenor, C.C.J. *et al*, *Aust. J. Chem.*, 1964, **17**, 1301 (*isol*)Fitzgerald, J.S. *et al*, *Aust. J. Chem.*, 1965, **18**, 433 (*isol*)Ghosal, S. *et al*, *J.O.C.*, 1966, **31**, 2284 (*isol*)Falkenberg, G., *Acta Cryst. B*, 1972, **28**, 3075 (*cryst struct*)Couch, M.W. *et al*, *Anal. Biochem.*, 1972, **50**, 612 (*ms*)Grina, J.A. *et al*, *J.O.C.*, 1982, **47**, 2648 (*isol*, *uv*, *pmr*, *cmr*)Sitaram, B.R. *et al*, *Biochem. Pharmacol.*, 1987, **36**, 1509 (*metab*)Glennon, R.A. *et al*, *Drug Dev. Res.*, 1991, **22**, 25 (*sar*)Strassman, R.J. *et al*, *Arch. Gen. Psychiatry*, 1994, **51**, 85, 98 (*pharmacol*, *human*)Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DPF600.**1,1-Dimethyl-3-vinylcyclobutane D-1-00473***3-Ethenyl-1,1-dimethylcyclobutane*, *9CI*

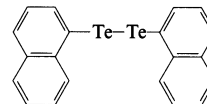
[52708-22-2]

 C_8H_{14} M 110.1

Liq. Bp 82°.

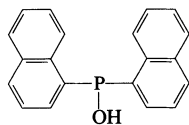
Bruckmann, P. *et al*, *Chem. Ber.*, 1974, **107**, 1108; 1978, **111**, 944 (*synth*, *ir*, *pmr*)Ashby, E.C. *et al*, *Acta Chem. Scand.*, 1990, **44**, 291.Ashby, E.C. *et al*, *J.O.C.*, 1993, **58**, 424 (*synth*, *pmr*, *ms*)**Di-1-naphthalenyl ditelluride D-1-00474**

[32294-58-9]

 $\text{C}_{20}\text{H}_{14}\text{Te}_2$ M 509.5

Brown solid. Mp 112°.

Crich, D. *et al*, *J.A.C.S.*, 1994, **116**, 8937 (*synth*, *pmr*)

Di-1-naphthalenylphosphonous acid D-1-00475
acid*Di-1-naphthylphosphinous acid*C₂₀H₁₅OP M 302.3

Chloride: [36042-99-6].

C₂₀H₁₄CIP M 320.7 Solid. Mp 130-132°. Bp_{0.6} 227-229°, Bp₁₅ 270-280°.

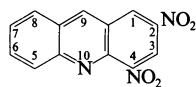
Bromide: [32186-91-7].

C₂₀H₁₄BrP M 365.2 Solid. Mp 29-30°. Bp_{0.15} 280-300°.Weinberg, K.G., *J.O.C.*, 1975, **40**, 3586.**2,4-Dinitroacridine** D-1-00476

Updated Entry replacing D-0-11069

1,3-Dinitroacridine (obsol.)

[79110-36-4]

C₁₃H₇N₃O₄ M 269.2

Brownish-orange needles (Py). Mp 284°.

Mayer, F. *et al.*, *Ber.*, 1917, **50**, 1314 (*synth*)Albert, A. *et al.*, *J.C.S.*, 1938, 25 (*synth*)Rosevear, J. *et al.*, *Aust. J. Chem.*, 1981, **34**, 839 (*synth*, *pmr*)**2,6-Dinitroacridine, 9CI** D-1-00477

[79110-23-9]

C₁₃H₇N₃O₄ M 269.2

Cryst. (AcOH). Mp 272-274°.

Rosevear, J. *et al.*, *Aust. J. Chem.*, 1981, **34**, 839 (*synth*, *pmr*)**2,7-Dinitroacridine, 9CI** D-1-00478

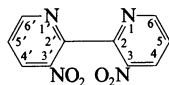
[79110-24-0]

C₁₃H₇N₃O₄ M 269.2

Cryst. (AcOH). Mp 322-324°.

Rosevear, J. *et al.*, *Aust. J. Chem.*, 1981, **34**, 839 (*synth*, *pmr*)**3,3'-Dinitro-2,2'-bipyridine, 9CI** D-1-00479

[1024-94-8]

C₁₀H₆N₄O₄ M 246.1

Cryst. (dioxan). Mp 210-211°.

Kanoktanaporn, S. *et al.*, *J.C.S. Perkin 1*, 1978, 1126 (*synth*)Rice, C.R. *et al.*, *Acta Cryst. C*, 1992, **48**, 1988 (*cryst struct*)**3,3'-Dinitro-2,4'-bipyridine, 9CI** D-1-00480

[81330-16-7]

C₁₀H₆N₄O₄ M 246.1

Light-sensitive cryst. (MeOH). Mp 112-114.5°.

MacBride, J.A.H. *et al.*, *Tet. Lett.*, 1981, **22**, 4545 (*synth*)**3,3'-Dinitro-4,4'-bipyridine, 9CI** D-1-00481

[54356-26-2]

C₁₀H₆N₄O₄ M 246.1

Cryst. (EtOH). Mp 127-128°.

Kanoktanaporn, S. *et al.*, *J.C.S. Perkin 1*, 1978, 1126 (*synth*, *ir*, *uv*)**4,4'-Dinitro-2,2'-bipyridine, 9CI** D-1-00482

[18511-72-3]

C₁₀H₆N₄O₄ M 246.1Cryst. (CH₂Cl₂/hexanes). Mp 190-192°.

N-Oxide: [84175-12-2].

C₁₀H₆N₄O₅ M 262.1 Cryst. (CH₂Cl₂). Mp 215-216.5°.

N,N'-Dioxide: [51595-55-2].

C₁₀H₆N₄O₆ M 278.1 Cryst. Mp 261° dec.Murase, H. *et al.*, *Nippon Kagaku Zasshi*, 1956, **77**, 682; *CA*, **52**, 9100a (*synth*)Wenkert, D. *et al.*, *J.O.C.*, 1983, **48**, 283 (*synth*, *uv*, *pmr*)Wong, Y. *et al.*, *Inorg. Chem.*, 1994, **33**, 1354 (*synth*, *pmr*, *cmr*, *dioxide*)**4,4'-Dinitro-3,3'-bipyridine, 9CI** D-1-00483

[97033-23-3]

C₁₀H₆N₄O₄ M 246.1

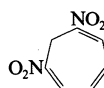
Cryst. (MeOH). Mp 176-177°.

Kanoktanaporn, S. *et al.*, *J. Chem. Res., Miniprint*, 1986, 2049 (*synth*, *uv*, *pmr*)**5,5'-Dinitro-2,2'-bipyridine, 9CI** D-1-00484

[39858-84-9]

C₁₀H₆N₄O₄ M 246.1Cryst. (Me₂CO). Mp 244-245°.Case, F.H., *J.A.C.S.*, 1946, **68**, 2574 (*synth*)**1,6-Dinitro-1,3,5-cycloheptatriene, 9CI** D-1-00485

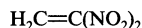
[156545-34-5]

C₇H₆N₂O₄ M 182.1

Cryst. Mp 120-122°.

Burnett, I.J. *et al.*, *Chem. Comm.*, 1994, 1187 (*synth*, *cryst struct*, *pmr*, *cmr*)**1,1-Dinitroethylene** D-1-00486*1,1-Dinitroethene, 9CI*

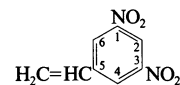
[34238-14-7]

C₂H₂N₂O₄ M 118.0

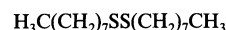
Reactive intermediate. Not isol. Formed from 1,1,1-Trinitroethane, T-0-06148 + base.

Zeldin, L. *et al.*, *J.A.C.S.*, 1957, **79**, 4708.**1,3-Dinitro-5-vinylbenzene** D-1-00487*1-Ethenyl-3,5-dinitrobenzene, 9CI. 3,5-Dinitrostyrene, 8CI. (3,5-Dinitrophenyl) ethylene*

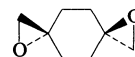
[72918-18-4]

C₈H₆N₂O₄ M 194.1*Japan. Pat.*, 01 204 931, (1989); *CA*, **112**, 159992c (*synth*)Nagase, Y. *et al.*, *Makromol. Chem. Rapid Commun.*, 1990, **11**, 185; *CA*, **113**, 41484f (*synth*)**Diocetyl disulfide, 9CI** D-1-00488

[822-27-5]

C₁₆H₃₄S₂ M 290.5Oil. Bp₁₃ 198-203°. n_D²⁰ 1.4858.S,S,S',S'-Tetraoxide: *Diocetyl disulfone, 9CI*C₁₆H₃₄O₄S₂ M 354.5 Plates (hexane). Mp 89.2-89.8°.Westlake, H.E. *et al.*, *J.A.C.S.*, 1942, **64**, 149 (*synth*)Allen, P. *et al.*, *J.O.C.*, 1951, **16**, 767 (*disulfone*)Bruin, P. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1952, **71**, 1115 (*synth*)Chorbadijev, S. *et al.*, *J. Prakt. Chem.*, 1977, **319**, 1036 (*synth*)Zhang, Y. *et al.*, *Synth. Commun.*, 1994, **24**, 2893 (*synth*, *pmr*)**1,7-Dioxadispiro[2.2.2.2]decane, 9CI, 8CI** D-1-00489*1,4-Dimethylenecyclohexane dioxide*

[184-83-8]

(3*RS*,6*RS*)-formC₈H₁₂O₂ M 140.1(3*RS*,6*RS*)-form [28250-09-1]*trans*-formCryst. (C₆H₆). Mp 106-107°.(3*RS*,6*SR*)-form [28250-28-4]*cis*-formCryst. (C₆H₆). Mp 82°.Causa, A.G. *et al.*, *J.O.C.*, 1973, **38**, 1385 (*synth*, *ir*, *pmr*)Becker, M. *et al.*, *Chem. Ber.*, 1975, **108**, 2391 (*synth*, *ms*, *pmr*)**1,5,2,4-Dioxadithiepane, 9CI** D-1-00490C₃H₆O₂S₂ M 138.2

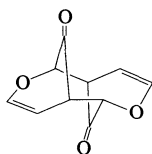
S,S,S',S'-Tetraoxide: [99591-73-8].

*Cyclodisone. NSC 348948*C₃H₆O₆S₂ M 202.2 Antineoplastic agent. Cryst. (cyclohexane/CH₂Cl₂). Mp 170°.

▶ LD₅₀ (mus, orl) 253 mg/kg. JG7882000.
[100085-85-6]

Pat. Coop. Treaty (WIPO), 85 03 075, (1985);
C.A. 104, 19609t (Ciclodisone, synth)
Gibson, N.W. et al, *Cancer Res.*, 1986, **46**, 1679
(Ciclodisone, pharmacol)
Berardini, M.D. et al, *Anti-Cancer Drug Des.*,
1991, **7**, 119 (sar)

**3,8-Dioxatricyclo[5.3.1.1^{2,6}]
dodeca-4,9-diene-11,12-
dione, 9CI** **D-1-00491**
[93517-46-5]



C₁₀H₈O₄ M 192.1
Pyrolysis prod. of cellulose. Pink rods
(Me₂CO). Mp 165-168°.

Fumeaux, R.H. et al, *J.C.S. Perkin I*, 1984,
1923 (synth)
Gainsford, G.J. et al, *Acta Cryst. C*, 1995, **51**,
1369 (cryst struct)

**7,12-Dioxo-8,10-
octadecadienoic acid** **D-1-00492**

H₃C(CH₂)₃COCH=CHCH=CHCO(CH₂)₃COOH

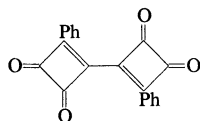
C₁₈H₂₈O₄ M 308.4
(*E,E*)-form [110187-19-4] *Ostopan* acid
From fruit and stems of *Ostodes
paniculata*. Inhibits growth of P-388
lymphocytic leukaemia test system *in vitro*.
Cryst. Mp 122-123° (natural), Mp 132-
133° (synthetic).

Et ester: [122947-35-7].

C₂₀H₃₂O₄ M 336.4 Cryst. Mp 87-88°.

Hamburger, M. et al, *J. Nat. Prod.*, 1987, **50**,
281 (isol, pharmacol, pmr)
Shen, J.H. et al, *J.O.C.*, 1989, **54**, 5126 (synth,
w, ir, pmr, cmr, ms)
Babudri, F. et al, *J.O.C.*, 1991, **56**, 6245 (synth)
Guo, C. et al, *J.C.S. Perkin I*, 1993, 1921.
Bhalerao, U.T. et al, *Synth. Commun.*, 1993, **23**,
2213 (synth, bibl)

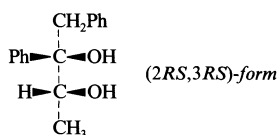
**2,2'-Diphenyl[bi-1-cyclobuten-
1-yl]-3,3',4,4'-tetrone, 9CI** **D-1-00493**
Bi(3-phenyl-3-cyclobutene-1,2-dione)
[152931-79-8]



C₂₀H₁₀O₄ M 314.2
Red cryst. (CH₂Cl₂). Mp 150° dec. Solns.
dec. in air.

Liebeskind, L.S. et al, *J.A.C.S.*, 1993, **115**, 9048
(synth, pmr, cmr)

1,2-Diphenyl-2,3-butanediol, 9CI **D-1-00494**



C₁₆H₁₈O₂ M 242.3
(*2R,3R*)-form [87258-95-5]
Cryst. (petrol). Mp 78-79° (73-74°).

(*2R,3SR*)-form [87258-96-6]
Mp 59-60°.

Chantrapomma, K. et al, *J.C.S. Perkin I*,
1983, 1049 (synth, pmr)

Bach, T., *Annalen*, 1995, 1045 (synth, ir, pmr,
cmr, ms)

1,4-Diphenyl-1-buten-3-yne **D-1-00495**
1,1'-(1-Buten-3-yne-1,4-diyl)bisbenzene, 9CI

PhCH=CHC≡CPh

C₁₆H₁₂ M 204.2

(*E*)-form [13343-79-8]

Cryst. (EtOH). Mp 96-97°.

(*Z*)-form [13343-78-7]

Pale yellow oil. Readily isomerises to (*E*)-
form.

Straus, F., *Annalen*, 1905, **342**, 190 (synth)

Marcuzzi, F. et al, *J.C.S. Perkin I*, 1993, 2957
(synth, ir, pmr)

**5,5-Diphenyl-2-cyclopenten-1-
ol** **D-1-00496**



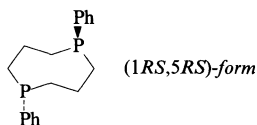
C₁₇H₁₆O M 236.3

(±)-form

Powder. Mp 50-55°.

Taniguchi, K. et al, *Chem. Pharm. Bull.*, 1995,
43, 71 (synth, pmr)

**1,5-Diphenyl-1,5-
diphosphocane** **D-1-00497**



C₁₈H₂₂P₂ M 300.3

(*1R,5RS*)-form [125707-15-5]

trans-form

Cryst. (EtOH). Mp 70-73°, Mp 74-76.5°.

1,5-Dioxide: [125707-18-8].

Solid. Mp 220-222°, Mp 229-231°.

(*1RS,5SR*)-form [125707-14-4]

cis-form

Solid. Mp 76-78°.

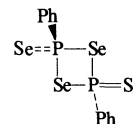
1,5-Dioxide: [125707-17-7].

C₁₈H₂₂O₂P₂ M 332.3 Solid. Mp 209-
211°, Mp 214-215°.

Brooks, P.J. et al, *Phosphorus, Sulfur, Silicon
Relat. Elem.*, 1989, **44**, 235 (synth, dioxide, w,
ir, P-31 nmr)

Toto, S.D. et al, *Phosphorus, Sulfur, Silicon
Relat. Elem.*, 1991, **56**, 27 (synth, ir, ms, pmr,
cmr, P-31 nmr, cryst struct)
Musker, W.K., *Coord. Chem. Rev.*, 1992, **117**,
133 (complexes, rev)

**2,4-Diphenyl-1,3,2,4-
diselenadiphosphetane 2,4-
diselenide** **D-1-00498**
[122039-27-4]



C₁₂H₁₀P₂Se₄ M 531.9

(*1RS,3RS*)-form [120875-49-2]

trans-form

Red solid.

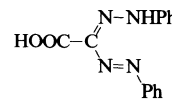
Wood, P.T. et al, *Chem. Comm.*, 1988, 1190
(synth, P-31 nmr, Se-77 nmr)

Wood, P.T. et al, *Phosphorus, Sulfur, Silicon
Relat. Elem.*, 1989, **41**, 51 (synth, ir, ms)
Parkin, I.P. et al, *Polyhedron*, 1990, **9**, 987
(synth, complexes)

**1,5-Diphenyl-3-
formazancarboxylic acid,** **D-1-00499**

9CI

(Phenylazo)(phenylhydrazono)acetic acid, 8CI
[1967-52-8]



C₁₄H₁₂N₄O₂ M 268.2

Red needles (EtOH). Mp 164° dec.

Me ester:

C₁₅H₁₄N₄O₂ M 282.3 Red needles
(MeOH). Mp 134-135°.

Et ester: [6165-66-8].

C₁₆H₁₆N₄O₂ M 296.3 Prisms or
leaflets (EtOH). Mp 117.5°.

Amide: [69211-06-9].

C₁₄H₁₃N₅O M 267.2 Red cryst.
(EtOH/AcOH). Mp 195-196°.

Nitrile: [7014-08-6]. *1,5-Diphenyl-3-
formazancarboxylic acid, 3-cyano-1,5-
diphenylformazan*

C₁₄H₁₁N₅ M 249.2 Bronze plates
(EtOH or AcOH). Mp 161-162°.

v. Pechmann, H., *Ber.*, 1892, **25**, 3175 (synth,
esters)

Bamberger, E. et al, *J. Prakt. Chem.*, 1902, **65**,
127 (synth)

Le Bris, M.-T. et al, *C. R. Hebd. Seances Acad.
Sci.*, 1955, **241**, 1143 (synth)

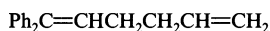
Ishidate, M. et al, *Chem. Pharm. Bull.*, 1955, **3**,
224 (nitrile)

Dubenko, R.G. et al, *Zh. Org. Khim.*, 1978, **14**,
2112; *J. Org. Chem. USSR (Engl. Transl.)*,
1978, **14**, 1956 (amide)

Magdesieva, N.N. et al, *Zh. Org. Khim.*, 1983,
19, 666; *J. Org. Chem. USSR (Engl. Transl.)*,
1983, **19**, 585 (*Et ester*)

Kolodina, T.S. et al, *Zh. Org. Khim.*, 1984, **20**,
661; *J. Org. Chem. USSR (Engl. Transl.)*,
1984, **20**, 601 (amide)

Zaitsev, B.E. *et al*, *Zh. Obshch. Khim.*, 1985, **55**, 1580; *J. Gen. Chem. USSR (Engl. Transl.)*, 1985, **55**, 1405 (w)
 Katritzky, A.R. *et al*, *Synthesis*, 1995, 577 (amide)

1,1-Diphenyl-1,5-hexadiene D-1-00500

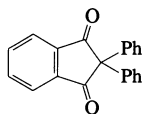
$\text{C}_{18}\text{H}_{18}$ M 234.3

Oil.

Araki, S. *et al*, *J.C.S. Perkin 1*, 1995, 549 (synth, ir, pmr, cmr)

2,2-Diphenyl-1,3-indanedione, D-1-00501 8CI

2,2-Diphenyl-1H-indene-1,3-(2H)-dione, 9CI [23717-59-1]



$\text{C}_{21}\text{H}_{14}\text{O}_2$ M 298.3

Cryst. (EtOH or by subl.); needles (petrol). Mp 124-125° (118°).

2,4-Dinitrophenylhydrazine: Orange needles (EtOH). Mp 130°.

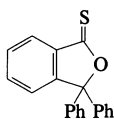
Moubasher, R. *et al*, *J.A.C.S.*, 1951, **73**, 3245 (synth)

Beringer, F.M. *et al*, *J.A.C.S.*, 1962, **84**, 2819 (synth, uv)

Agranat, I. *et al*, *Isr. J. Chem.*, 1969, **7**, 109 (pmr)

Schönberg, A. *et al*, *Chem. Ber.*, 1973, **106**, 849 (synth, pmr)

Watanabe, M. *et al*, *Synthesis*, 1994, 1083 (synth, uv, pmr)

3,3-Diphenyl-1(3H)-isobenzofuranthione D-1-00502

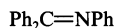
$\text{C}_{20}\text{H}_{14}\text{OS}$ M 302.3

Cryst. Mp 133-134°.

Nishio, T., *J.C.S. Perkin 1*, 1995, 561 (synth, ir, pmr, cmr)

N-(Diphenylmethylene)aniline D-1-00503

N-(Diphenylmethylene)benzenamine, 9CI. N-Phenylbenzhydrylideneimine. Benzophenone phenylimine [574-45-8]



$\text{C}_{19}\text{H}_{15}\text{N}$ M 257.3

Cryst. (hexane or EtOH). Mp 116-117°.

Hydrochloride: [23285-75-8].

Yellow cryst. Mp 190°.

Hydroiodide: Yellow cryst. Mp 185° dec.

Methiodide: Yellow cryst. Mp 202°.

Dimroth, O. *et al*, *Ber.*, 1902, **35**, 984 (synth)

Graebe, C. *et al*, *Ber.*, 1902, **35**, 2615 (synth)

Schonberg, A. *et al*, *J.C.S.*, 1935, 530 (synth)

Ruxer, J.M. *et al*, *Org. Magn. Reson.*, 1977, **10**, 105 (conformn)

Allen, M. *et al*, *Can. J. Chem.*, 1981, **59**, 451 (cmr)

Kosugi, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1986, **59**, 677 (synth)

Baliah, V. *et al*, *J. Indian Chem. Soc.*, 1989, **66**, 42 (ir)

Strekowski, L. *et al*, *J.O.C.*, 1989, **54**, 6120 (synth, pmr)

(Diphenylmethyl)phosphonic acid D-1-00504

Benzhydrylphosphonic acid

[92025-81-5]



$\text{C}_{13}\text{H}_{13}\text{O}_3\text{P}$ M 248.2

Solid. Mp 237-239°.

Di-Me ester: [54963-39-2]. Dimethyl

(diphenylmethyl)phosphonate $\text{C}_{18}\text{H}_{17}\text{O}_3\text{P}$ M 326.3 Cryst. (cyclohexane). Mp 95-96°.

Di-Et ester: [27329-60-8]. Diethyl

(diphenylmethyl)phosphonate $\text{C}_{17}\text{H}_{21}\text{O}_3\text{P}$ M 304.3 Cryst. (cyclohexane). Mp 27-28.5°, Mp 40-41°.

Diisopropyl ester: [27329-62-0]. Diisopropyl

(diphenylmethyl)phosphonate $\text{C}_{19}\text{H}_{25}\text{O}_3\text{P}$ M 332.3 Cryst. (cyclohexane). Mp 80-81°.

Di-tert-butyl ester: Bis(1,1-dimethylethyl)

(diphenylmethyl)phosphonate $\text{C}_{21}\text{H}_{29}\text{O}_3\text{P}$ M 360.4 Cryst. (petrol). Mp 145-146° dec.

Poshkus, A.C. *et al*, *J.O.C.*, 1964, **29**, 2567 (synth)

Polozov, A.M. *et al*, *Synthesis*, 1990, 515 (synth, pmr, P-31 nmr)

Polozov, A.M. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1992, **73**, 153 (ester, synth, pmr, P-31 nmr)

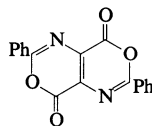
Ha, C. *et al*, *J.O.C.*, 1993, **58**, 1194 (ester, synth, pmr, cmr)

Polozov, A.M. *et al*, *Zh. Obshch. Khim.*, 1993, **63**, 229; *J. Gen. Chem. USSR (Engl. Transl.)*, 1993, **63**, 169 (ester, synth, ir, pmr, P-31 nmr)

2,6-Diphenyl[1,3]oxazino[5,4-d][1,3]oxazine-4,8-dione, 9CI

Hippuroflavine

[72884-73-2]

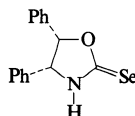


$\text{C}_{18}\text{H}_{10}\text{N}_2\text{O}_4$ M 318.2

Obt. from N-Benzoylglycine, B-0-01282.

Yellow cryst. (diphenyl ether). Mp >310° dec.

Stachel, H.-D. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1979, **312**, 968 (synth, cryst struct)

4,5-Diphenyl-2-oxazolidineselone, 9CI D-1-00506

$\text{C}_{15}\text{H}_{13}\text{NOSe}$ M 302.2

(4S,5R)-form [136794-55-3]

(+)-cis-form

Cryst. Mp 155-158°. $[\alpha]_D^{20} + 68.7$ (c, 0.18 in CHCl_3).

Peng, J. *et al*, *J.O.C.*, 1994, **59**, 4977 (synth, uv, ir, pmr, cmr, Se-77 nmr)

Diphenylphosphinecarboxylic acid D-1-00507

$\text{C}_{13}\text{H}_{11}\text{O}_2\text{P}$ M 230.2

Solid (as Na salt or Li). Mp 235-240° (Na salt) and >250° (Li salt).

Me ester: [70533-07-2]. Methyl

diphenylphosphinecarboxylate

$\text{C}_{14}\text{H}_{13}\text{O}_2\text{P}$ M 244.2 Ligand for Pt. Liq. $\text{Bp}_{0.1}$ 169-171°.

Trimethylsilyl ester: Trimethylsilyl

diphenylphosphinecarboxylate

$\text{C}_{16}\text{H}_{19}\text{O}_2\text{PSi}$ M 302.3 Oil. n_D^{23} 1.5665.

Anilide: see N,1,1-

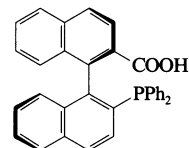
Triphenylphosphinecarbonamide, T-0-06398 [18789-77-0, 120175-90-8, 154498-88-1]

Abel, E.W. *et al*, *J.C.S.(A)*, 1968, 1105 (silyl ester)

Duane Dombek, B., *J. Organomet. Chem.*, 1979, **169**, 315 (ester, synth, ir, pmr, complex)

Horn, H.-G. *et al*, *Chem.-Ztg.*, 1988, **112**, 195 (silyl ester, pmr, cmr, Si-29 nmr, P-31 nmr)

Diemert, K. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **60**, 287; 1993, **83**, 65 (synth, derivs, ir, pmr, P-31 nmr)

2'-(Diphenylphosphino)-[1,1'-binaphthalene]-2-carboxylic acid, 9CI D-1-00508

(R)-form

$\text{C}_{33}\text{H}_{23}\text{O}_2\text{P}$ M 482.5

(R)-form [156456-75-6]

Solid. Mp 124-126°. $[\alpha]_D^{20} + 65.9$ (c, 0.54 in CHCl_3).

Me ester: [156456-74-5].

$\text{C}_{34}\text{H}_{25}\text{O}_2\text{P}$ M 496.5 Solid. Mp 105-108°. $[\alpha]_D^{20} + 42.0$ (c, 0.52 in CHCl_3).

Me ester, P-oxide: [156456-73-4].

$\text{C}_{34}\text{H}_{25}\text{O}_3\text{P}$ M 512.5 Solid. Mp 174-176°. $[\alpha]_D^{20} + 41.5$ (c, 0.57 in CHCl_3).

Nitrile: [156456-69-8].

$\text{C}_{33}\text{H}_{22}\text{NP}$ M 463.5 Solid. Mp 143-144°. $[\alpha]_D^{20} + 57.6$ (c, 0.53 in CHCl_3).

Nitrile, oxide: [156456-68-7].

$\text{C}_{33}\text{H}_{22}\text{NOP}$ M 479.5 Solid. Mp 212-214°. $[\alpha]_D^{20} + 132.1$ (c, 0.49 in CHCl_3).

Uozumi, Y. *et al*, *Tetrahedron*, 1994, **50**, 4293 (synth, ir, ms, pmr, P-31 nmr)

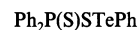
(Diphenylphosphinodithioato) phenyltellurium(II) D-1-00509

Phenyltellurium diphenyldithiophosphinate.

Phenyltellurium diphenylphosphinodithioate.

Diphenylphosphino(tellurothio)peroxo)thioic acid, 9CI

[153632-71-4]



$C_{18}H_{15}PS_2Te$ M 454.0
Red prismatic cryst. Thermochromic;
becomes yellow at -60° .
Silvestra, A. *et al*, *Inorg. Chem.*, 1994, **33**, 1253
(*synth*, *cryst struct*)

P-[2-(Diphenylphosphino)ethyl]-N,N,N',N'-tetramethylphosphonous diamide **D-1-00510**
[2-(Diphenylphosphino)ethyl]phosphonous bis(dimethylamide)
[36892-72-5]



$C_{18}H_{26}N_2P_2$ M 332.3
Ligand. Thick liq. Bp_{0.005} 146-158°. Easily oxidised.
King, R.B. *et al*, *J.A.C.S.*, 1977, **99**, 4001
(*synth*, *pmr*, *cmr*, *P-31 nmr*)

3-(Diphenylphosphino)pyridine **D-1-00511**
Diphenyl-3-pyridinylphosphine
[104114-99-0]

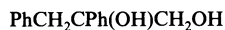
$C_{17}H_{14}NP$ M 263.2
Ligand for Mo and Pd. Complexes of use in the carbonylation of alkynes. Flaky cryst.
Lazarowych, N.J. *et al*, *Inorg. Chem.*, 1986, **25**, 3926.
Drent, E. *et al*, *J. Organomet. Chem.*, 1993, **455**, 247; 1994, **475**, 57 (*complexes*, *use*)

2-(Diphenylphosphino)-1,1,3,3-tetraphenyltriphosphine, 9CI **D-1-00512**
8CI
Tris(diphenylphosphino)phosphine
[18005-88-4]



$C_{36}H_{30}P_4$ M 586.5
Ligand for Cr, Mo and W. Cryst. (Et₂O).
Mp 118-120°.
Schumann, H. *et al*, *J. Organomet. Chem.*, 1970, **24**, 183 (*synth*, *ir*, *Raman*)
Scheer, M. *et al*, *Z. Anorg. Allg. Chem.*, 1991, **600**, 203; 1993, **619**, 1047 (*synth*, *ms*, *P-31 nmr*)

2,3-Diphenyl-1,2-propanediol, 9CI **D-1-00513**
[155203-78-4]



$C_{15}H_{16}O_2$ M 228.2
(±)-*form* [157008-56-5]
Needles (Et₂O/petrol). Mp 77-78° (73°).
Ramart-Lucas, M. *et al*, *Bull. Soc. Chim. Fr.*, 1932, **51**, 1069 (*synth*)
Freudenberg, K. *et al*, *Chem. Ber.*, 1952, **85**, 78 (*synth*)
Bach, T., *Annalen*, 1995, 1045 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

1,3-Diphenyl-3-propen-1-ol, 8CI **D-1-00514**
 α -(2-Phenylethenyl)benzenemethanol, 9CI.
Chalcol
[4663-33-6]



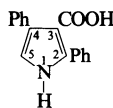
$C_{15}H_{14}O$ M 210.2
(±)-(*E*)-*form* [62668-02-4]
Cryst. (petrol). Mp 55-56°.
(±)-(*Z*)-*form* [62839-70-7]
Liq. Bp_{1.3} 147-150°.

[73930-97-9, 87751-69-7, 116127-91-4, 124150-25-0, 132014-29-0, 136981-81-2, 148616-45-9]
Wasserman, H.H. *et al*, *J.A.C.S.*, 1955, **77**, 590 (*synth*)
Neumann, H. *et al*, *Chem. Ber.*, 1978, **111**, 2785 (*synth*, *ir*, *pmr*)
Takai, K. *et al*, *Tet. Lett.*, 1983, **24**, 5281 (*synth*)

2,5-Diphenyl-3-pyridinecarboxylic acid **D-1-00515**
2,5-Diphenylnicotinic acid

$C_{18}H_{13}NO_2$ M 275.3
Amide:
 $C_{18}H_{14}N_2O$ M 274.3 Cryst. (EtOH).
Mp 223-225°.
Nitrile: [156020-89-2]. 3-Cyano-2,5-diphenylpyridine
 $C_{18}H_{12}N_2$ M 256.3 Cryst. (EtOH).
Mp 132°.
Kagabu, S. *et al*, *J.C.S. Perkin 1*, 1994, 739.

2,4-Diphenyl-1H-pyrrole-3-carboxylic acid, 9CI **D-1-00516**



$C_{17}H_{13}NO_2$ M 263.2
Me ester: [59009-61-9].
 $C_{18}H_{15}NO_2$ M 277.3 Cryst.
(CH₂Cl₂/Et₂O/pentane). Mp 164.5-165.5°.
Et ester: [63324-78-7].
 $C_{19}H_{17}NO_2$ M 291.3 Mp 106°.
Nitrile: [59009-62-0]. 3-Cyano-2,4-diphenylpyrrole
 $C_{17}H_{12}N_2$ M 244.2 Cryst. (Me₂CO).
Mp 280° (266-267°).
Filho, P.F.D.S. *et al*, *Angew. Chem.*, 1977, **89**, 672 (*nitrile*, *Et ester*)
Houwing, H.A. *et al*, *J. Het. Chem.*, 1981, **18**, 1127 (*nitrile*, *Me ester*)

2,5-Diphenyl-1H-pyrrole-3-carboxylic acid, 9CI **D-1-00517**
[93325-15-6]

$C_{17}H_{13}NO_2$ M 263.2
Prisms (EtOH aq.). Mp 207-208° (200°).
Me ester: [13901-74-1].
 $C_{18}H_{15}NO_2$ M 277.3 Cryst. (MeOH).
Mp 172-173° (162°).
Et ester: [65474-26-2].
 $C_{19}H_{17}NO_2$ M 291.3 Prisms (EtOH).
Mp 160-161° (150-154°).
Nitrile: [67421-66-3]. 3-Cyano-2,5-diphenylpyrrole
 $C_{17}H_{12}N_2$ M 244.2 Cryst. (C₆H₆ or EtOH). Mp 228-230° (218.5-219.5°).
Change in crystalline form at 190°.
N-Me: [130850-55-4].
 $C_{18}H_{15}NO_2$ M 277.3 Mp 213-214°.
N-Ph: [130850-56-5]. 1,2,5-Triphenyl-1H-pyrrole-3-carboxylic acid
 $C_{23}H_{17}NO_2$ M 339.3 Mp 278-279°.

Henze, H.R. *et al*, *J.A.C.S.*, 1947, **69**, 1662 (*nitrile*)
Sprio, V. *et al*, *Ann. Chim. (Rome)*, 1960, **50**, 1635 (*Et ester*)
Bayer, H.O. *et al*, *Chem. Ber.*, 1970, **103**, 2356 (*Me ester*)
Benages, I.A. *et al*, *J.O.C.*, 1978, **43**, 4273 (*nitrile*)
Petrucci, S. *et al*, *J. Het. Chem.*, 1990, **27**, 1277 (*synth*, *pmr*, *ir*)

3,4-Diphenyl-1H-pyrrole-2-carboxylic acid, 9CI **D-1-00518**

$C_{17}H_{13}NO_2$ M 263.2
Me ester: [151054-89-6].
 $C_{18}H_{15}NO_2$ M 277.3 Cryst. (MeOH aq.). Mp 125-126°.
Röls, A. *et al*, *Angew. Chem., Int. Ed.*, 1993, **32**, 712 (*Me ester*)

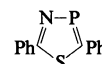
3,5-Diphenyl-1H-pyrrole-2-carboxylic acid, 9CI **D-1-00519**

[100784-98-3]
 $C_{17}H_{13}NO_2$ M 263.2
Mp 180°.
Me ester: [89649-52-5].
 $C_{18}H_{15}NO_2$ M 277.3 Cryst. (MeOH).
Mp 179°.
Et ester: [53778-26-0].
 $C_{19}H_{17}NO_2$ M 291.3 Prisms (hexane).
Mp 142° (135-137°).
Nitrile: [131475-18-8]. 2-Cyano-3,5-diphenylpyrrole
 $C_{17}H_{12}N_2$ M 244.2 Mp 195-196°.
Mataka, S. *et al*, *Synthesis*, 1982, 157 (*Et ester*)
Sammes, M.P. *et al*, *J.C.S. Perkin 1*, 1985, 1773 (*Et ester*, *Me ester*, *ir*, *pmr*)
Alberola, A. *et al*, *Heterocycles*, 1990, **31**, 1049 (*Et ester*, *nitrile*)

4,5-Diphenyl-1H-pyrrole-3-carboxylic acid, 9CI **D-1-00520**

[161958-67-4]
 $C_{17}H_{13}NO_2$ M 263.2
Mp 223-225° dec.
Me ester: [40167-39-3].
 $C_{18}H_{15}NO_2$ M 277.3 Cryst.
(C₆H₆/cyclohexane). Mp 184-185°.
Et ester: [73799-68-5].
 $C_{19}H_{17}NO_2$ M 291.3 Cryst.
(C₆H₆/cyclohexane). Mp 207-208.5° (191-193°).
Nitrile: [161958-65-2]. 4-Cyano-2,3-diphenylpyrrole
 $C_{17}H_{12}N_2$ M 244.2 Cryst.
(C₆H₆/cyclohexane). Mp 139-141°.
van Leusen, A.M. *et al*, *Tet. Lett.*, 1972, 5337 (*Me ester*)
Di Santo, R. *et al*, *Synth. Commun.*, 1995, **25**, 795 (*synth*, *Me ester*, *Et ester*, *nitrile*)

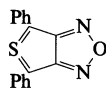
2,5-Diphenyl-1,3,4-thiazphosphole **D-1-00521**
[94570-25-9]



$C_{14}H_{10}NPS$ M 255.2
Cryst. Mp 85-87°. Stable to oxid., but sensitive to hydrolysis.

Schmidpeter, A. *et al*, *Angew. Chem., Int. Ed.*, 1985, **24**, 123 (synth, cmr, P-31 nmr, props, cryst struct)

4,6-Diphenylthieno[3,4-c]-1,2,5-oxadiazole-5-S^{IV} D-1-00522
[64959-93-9]

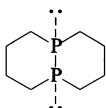


C₁₆H₁₀N₂OS M 278.3
Blue cryst. Mp 161-165° dec.

Tsuge, O. *et al*, *Heterocycles*, 1977, **6**, 1173 (synth)

1,6-Diphosphabicyclo[4.4.0]decane D-1-00523

Octahydro[1,2]diphosphorino[1,2-a][1,2]diphosphorin
[144909-28-4]



C₈H₁₆P₂ M 174.1

(*IR,S,6SR*)-form [144654-28-4]

cis-form

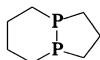
Stable at 300° for 4h; some dec. at 400°. Possesses double chair conform.

[144654-36-4]

Alder, R.W. *et al*, *Chem. Comm.*, 1992, 1170 (synth, cryst struct, P-31 nmr)

1,6-Diphosphabicyclo[4.3.0]nonane D-1-00524

Hexahydro-1H-[1,2]diphospholo[1,2-a][1,2]diphosphorin
[117440-57-0]



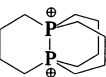
C₇H₁₄P₂ M 160.1

Phys. props. not reported.

Alder, R.W. *et al*, *Chem. Comm.*, 1992, 1170 (synth, P-31 nmr)

1,6-Diphosphatricyclo[4.4.4.0]tetradecanedium(2+) D-1-00525

Octahydro-5,10-butano[1,2]diphosphorino[1,2-a][1,2]diphosphorindium(2+), 9CI. 1,6-Diphosphonia[4.4.4]propellane



C₁₂H₂₄P₂²⁺ M 230.2 (ion)

Bis(trifluoromethanesulfonate): [144909-30-8].

C₁₄H₂₄F₆O₆P₂S₂ M 528.4 Cryst.

Alder, R.W. *et al*, *Chem. Comm.*, 1992, 1172 (synth, P-31 nmr, cryst struct)

N,N'-Di-2-propenylurea D-1-00526
1,3-Diallylurea. Sinapolin
[1801-72-5]



C₇H₁₂N₂O M 140.1

Intermed. for heterocyclic synth. Plates. Mp 90-93°.

Will, H., *Annalen*, **52**, 27.

Cahours, A. *et al*, *Annalen*, 1857, **102**, 300.

Dipropyl diselenide, 9CI D-1-00527

Propyl diselenide, 8CI

[7361-89-9]



C₆H₁₄Se₂ M 244.0

Orange liq. with offensive odour. Bp₁₅ 103-104°.

Tschugaeff, L., *Ber.*, 1909, **42**, 49 (synth, props)

Backer, H.J. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1935, **54**, 531 (synth)

Cohen, V.I. *et al*, *J.O.C.*, 1977, **42**, 2510 (synth)

Gladysz, J.A. *et al*, *J.O.C.*, 1978, **43**, 1204

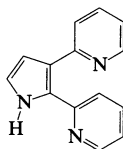
(synth, pmr)

Korchevin, N.A. *et al*, *Zh. Obshch. Khim.*, 1989, **59**, 1788; *J. Gen. Chem. USSR (Engl. Transl.)*, 1989, **59**, 1592 (synth)

2,3-Di-2-pyridinyl-1H-pyrrole D-1-00528

2,2'-(1H-Pyrrole-2,3-diyl)bispyridine, 9CI

[147821-73-6]



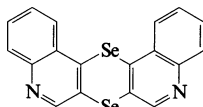
C₁₄H₁₁N₃ M 221.2

Oil.

Katritzky, A.R. *et al*, *J.O.C.*, 1994, **59**, 4551 (synth, pmr, cmr)

[1,4]Diselenino[2,3-c:6,5-c']diquinoline, 9CI D-1-00529

[162469-50-3]



C₁₈H₁₀N₂Se₂ M 412.2

Needles (EtOH). Mp 279°.

Löwe, W. *et al*, *J. Het. Chem.*, 1995, **32**, 271 (synth, pmr)

1,3,2-Dithiazol-1-ium(1+), 9CI D-1-00530



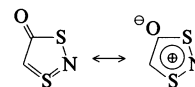
C₂H₂N₂S₂⁺ M 104.1 (ion)

Chloride: [139366-59-9].

C₂H₂ClNS₂ M 139.6 Hygroscopic solid. Mp >230° dec.

Gray, M.A. *et al*, *J.C.S. Perkin 1*, 1993, 3077 (synth, ir, uv, pmr, N nmr)

1,3,2-Dithiazol-4-one D-1-00531
4-Hydroxy-1,3,2-dithiazol-1-ium inner salt, 9CI



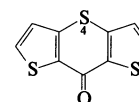
C₂H₂NO₂ M 119.1

Unstable, golden-yellow oil.

Gray, M.A. *et al*, *J.C.S. Perkin 1*, 1993, 3077 (synth, cmr, ms)

8H-Dithieno[3,2-b:2',3'-e]thiopyran-8-one, 9CI D-1-00532

[3807-51-0]



C₉H₄OS₃ M 224.3

Cryst. (EtOH). Mp 189-190.5°.

4-Oxide: [157368-13-3].

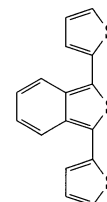
C₉H₄O₂S₃ M 240.3 Cryst. Mp 230-232° dec.

Stoyanovich, F.M. *et al*, *Zh. Org. Khim.*, 1965, **1**, 1282; *J. Org. Chem. USSR (Engl. Transl.)*, 1965, **1**, 1296 (synth)

Suzuki, Y. *et al*, *Chem. Comm.*, 1994, 1431 (sulfoxide, synth)

1,3-Di-2-thienylbenzo[c]thiophene, 9CI D-1-00533

[144810-53-7]



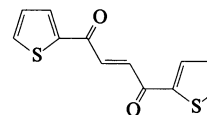
C₁₆H₁₀S₃ M 298.4

Forms an electroactive polymer. Orange cryst. Mp 100-102°.

Musmanni, S. *et al*, *Chem. Comm.*, 1993, 172 (synth, uv, props)

1,4-Di-2-thienyl-2-butene-1,4-dione, 9CI D-1-00534

[99971-34-3]



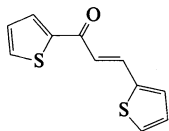
C₁₂H₈O₂S₂ M 248.3

(*E*)-form [13669-00-6]

Yellow needles. Mp 196-197° (188-189°).

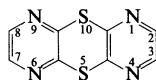
Heffe, W. *et al*, *Chem. Ber.*, 1956, **89**, 822 (synth)

Kooreman, H.J. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1967, **86**, 37 (synth, ir, uv, pmr)

1,3-Di-2-thienyl-2-propen-1-one, 9CI **D-1-00535**
[2309-48-0]

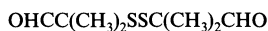
$C_{11}H_8OS_2$ M 220.3
Mp 99-100°. Prob. (*E*)-form.
[42811-88-1]

Lavrushin, V.F. *et al*, *Khim. Geterotsikl. Soedin.*, 1971, **7**, 1361 (*w*)
El-Rayyes, N.R., *J. Het. Chem.*, 1982, **19**, 415
(*synth, w, ir, pmr*)
Matsui, M. *et al*, *J.C.S. Perkin 2*, 1992, 201
(*synth, pmr*)
Zhengdong, L. *et al*, *Acta Cryst. C*, 1995, **51**,
681 (*cryst struct*)

[1,4]Dithiino[2,3-*b*:5,6-*b'*]dipyrazine **D-1-00536**
1,4,6,9-Tetraazathianthrene
[52879-26-2]

$C_8H_4N_4S_2$ M 220.2
Yellow needles ($CHCl_3$).

Lynch, V.M. *et al*, *Acta Cryst. C*, 1994, **50**,
1470 (*cryst struct*)

2,2'-Dithiobis[2-methylpropanal], 9CI **D-1-00537**
2,2,5,5-Tetramethyl-3,4-dithia-1,6-hexanedial. α, α' -Dithiodiisobutyraldehyde
[15581-80-3]

$C_8H_{14}O_2S_2$ M 206.3
Evil smelling oil or cryst. Bp₁ 100-110°,
BP_{0.06} 78°.

► Hazardous prepn. (toxic gases).

Dioxime:

$C_8H_{16}N_2O_2S_2$ M 236.3 Fine needles
(EtOH). Mp 127°.

Bis(semicarbazone): Small cryst. (EtOH). Mp
218° dec.

Bis(phenylhydrazone): Needles (EtOH). Mp
156.5-157°.

Bis(2,4-dinitrophenylhydrazone): Reddish
yellow powder (DMF or EtOAc). Mp
217° dec.

Merz, K.W. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1963, **296**, 427 (*synth, deriv*)

D'Amico, J.J. *et al*, *J.O.C.*, 1975, **40**, 1224
(*synth, pmr*)

Roy, B. *et al*, *J.O.C.*, 1994, **59**, 7019 (*synth, pmr, cmr, ir, haz*)

1,5-Dithiocan-3-one, 9CI **D-1-00538**
1,5-Dithia-3-cyclooctanone
[39958-62-8]

$C_6H_{10}OS_2$ M 162.2
Cryst. (EtOH). Mp 47°.

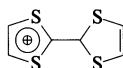
2,4-Dinitrophenylhydrazone: Solid
(C_6H_6 /hexane). Mp 180-182°.

Howard, E.G. *et al*, *J.A.C.S.*, 1960, **82**, 158
(*synth*)

Arya, V.P., *Indian J. Chem.*, 1972, **10**, 812
(*synth, w, pmr*)

Kellogg, R.M. *et al*, *J.O.C.*, 1993, **58**, 5624
(*synth, pmr, cmr, ir*)

Meier, H. *et al*, *Chem. Ber.*, 1994, **127**, 2035
(*synth, pmr, cmr*)

2-(1,3-Dithiol-2-yl)-1,3-dithiol-1-ium(1+), 9CI **D-1-00539**

$C_6H_5S_4^+$ M 205.3 (ion)
Protonated form of Tetrathiafulvalene, T-0-
02747.

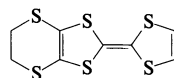
Tetrafluoroborate: [151516-16-4].

$C_6H_3BF_4S_4$ M 292.1 Dark-red fine
needles (MeCN at -20°). Mp 195-200°.
Reactive with H_2O .

Giffard, M. *et al*, *Chem. Comm.*, 1993, 944
(*synth, pmr, cmr, cryst struct*)

2-(1,3-Dithiol-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-*b*][1,4]dithiin, 9CI **D-1-00540**

Ethylenedithiotetrathiafulvalene. EDT-TTF
[97307-49-8]



$C_8H_6S_6$ M 294.5
Forms superconductive salts. Red cryst.
(CH_3CN /toluene). Mp 206-207°.

Papavassiliou, G.C. *et al*, *Mol. Cryst. Liq. Cryst.*, 1988, **156**, 269 (*synth, w*)

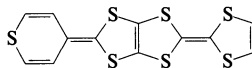
Garreau, B. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. 2*, 1991, **313**, 509 (*synth, cryst struct*)

Orduna, J. *et al*, *Rapid Commun. Mass Spectrom.*, 1993, **7**, 815 (*ms*)

Formigué, M. *et al*, *Synthesis*, 1993, 509 (*synth*)

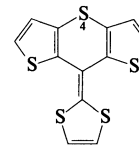
2-(1,3-Dithiol-2-ylidene)-5-(4*H*-thiopyran-4-ylidene)[1,3]dithiolo[4,5-*d*]-1,3-dithiole, 9CI **D-1-00541**

2-(1',3'-Dithiol-2-ylidene)-5-(thiopyran-4''-ylidene)-1,3,4,6-tetrathiapentalene. TPDT-TTP
[153916-43-9]



$C_{12}H_6S_7$ M 374.6
Forms conducting charge-transfer complexes.
Orange, plate-like microcryst. Mp 200-
201° dec.

Misaki, Y. *et al*, *Chem. Comm.*, 1993, 949
(*synth, pmr, props*)

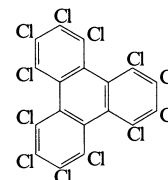
8-(1,3-Dithiol-2-ylidene)-8*H*-dithieno[3,2-*b*:2',3'-*e*]thiopyran, 9CI **D-1-00542**
[157368-11-1]

$C_{12}H_6S_5$ M 310.5
Strong electron donor. Cryst. Mp 105-107°
dec.

4-Oxide: [157368-16-6].

$C_{12}H_6OS_5$ M 326.5 Cryst. Mp 198-
200° dec.

Suzuki, T. *et al*, *Chem. Comm.*, 1994, 1431
(*synth, use, pmr, w*)

Dodecachlorotriphenylene **D-1-00543**
Perchlorotriphenylene
[137695-68-2]

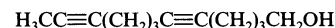
$C_{18}Cl_{12}$ M 641.6
Mp 347-348°. Difficult to synthesise, highly
distorted molecule. Exhaustive
chlorination of Triphenylene, T-0-06330
causes rearrangement.

Shibata, K. *et al*, *J.A.C.S.*, 1994, **116**, 5983
(*synth, cryst struct*)

4,8-Dodecadiyn-1-ol **D-1-00544**
 $H_3CCH_2CH_2C\equiv CCH_2CH_2C\equiv CCH_2CH_2CH_2OH$

$C_{12}H_{18}O$ M 178.2
Oil.

Bao, J. *et al*, *J.A.C.S.*, 1994, **116**, 7616 (*synth, ir, pmr, cmr, ms*)

5,10-Dodecadiyn-1-ol **D-1-00545**
[160109-68-2]

$C_{12}H_{18}O$ M 178.2
Oil.

Bao, J. *et al*, *J.A.C.S.*, 1994, **116**, 7616 (*synth, ir, pmr, cmr, ms*)

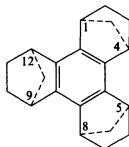
1,1,2,2,3,3,4,4,5,5,6,6-Dodecafluoro-1,6-diiodoperfluorohexane **D-1-00546**
1,6-Diiodoperfluorohexane
[375-80-4]

$C_6F_{12}I_2$ M 553.8
 d^{20}_4 2.36. Mp 25°. Bp₁₀₀ 115°. n_D^{20} 1.3980.

Haszeldine, R.N., *J.C.S.*, 1953, 1764 (*w*)

Knunyants, I.L. *et al*, *Izv. Akad. Nauk Kaz. SSR, Ser. Khim.*, 1964, 384; *CA*, **60**, 11883h (synth)

1,2,3,4,5,6,7,8,9,10,11,12-Dodecahydro[1,4:5,8:9,12]trimethanotriphenylene, 9CI **D-1-00547**



$C_{21}H_{24}$ M 276.4

(1 α ,4 α ,5 α ,8 α ,9 α ,12 α)-form [75599-41-6]

all-syn-form

Mp 175-180°.

(1 α ,4 α ,5 α ,8 α ,9 β ,12 β)-form [75574-95-7]

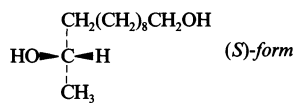
syn-anti-syn-form

Mp 165-168°.

Gassman, P.G. *et al*, *J.A.C.S.*, 1980, **102**, 6863.

1,11-Dodecanediol **D-1-00548**

[80158-99-2]



$C_{12}H_{26}O_2$ M 202.3

(S)-form

Solid (Et₂O). Mp 40-42°. $[\alpha]_D^{24}$ +0.6 (c, 2.9 in CHCl₃).

(±)-form

11-Ac: [77413-19-5].

$C_{14}H_{28}O_3$ M 244.3 Bp₁ 135°.

Asaoka, M. *et al*, *Tet. Lett.*, 1980, **21**, 4611 (Ac)

Enders, D. *et al*, *Annalen*, 1995, 1185 (S-form, synth, ir, pmr, cmr, ms)

3,6,9-Dodecatrienoic acid **D-1-00549**



$C_{12}H_{18}O_2$ M 194.2

(all-Z)-form [92340-48-2]

Constit. of the female gametes of *Analipus japonicus*. Possible precursor of algal sex attractants.

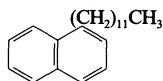
[82461-32-3]

Kodama, K. *et al*, *Phytochemistry*, 1993, **33**, 1039 (isol, synth, pmr, cmr)

1-Dodecyl-naphthalene **D-1-00550**

1-(1-Naphthalenyl)dodecane

[26438-28-8]



$C_{22}H_{32}$ M 296.4

Fp 27°. Bp 415°, Bp₁ 187°.

Adv. Chem. Ser., 1955, **15**, 236 (props)

2-Dodecyl-naphthalene **D-1-00551**

1-(2-Naphthalenyl)dodecane

[60899-39-0]

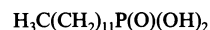
$C_{22}H_{32}$ M 296.4

Bp 414°, Bp₁ 187°.

Adv. Chem. Ser., 1955, **15**, 23 (props)

Dodecylphosphonic acid **D-1-00552**

[5137-70-2]



$C_{12}H_{27}O_3P$ M 250.3

Solid. Mp 100.5-101.5°.

Di-Et ester: [4844-38-6]. *Diethyl*

dodecylphosphonate

$C_{16}H_{35}O_3P$ M 306.4 Liq. Bp₁ 160°.

$n_D^{16.5}$ 1.4419.

Dibutyl ester: [5929-68-0]. *Dibutyl*

dodecylphosphonate

$C_{20}H_{43}O_3P$ M 362.5 Liq. d_4^{25} 0.92.

Bp₃ 196-199°. n_D^{25} 1.4432.

Di-Ph ester: *Diphenyl dodecylphosphonate*

$C_{24}H_{35}O_3P$ M 402.5 Liq. Bp_{0.01} 165°.

n_D^{25} 1.5111.

Dichloride: [3586-98-9].

$C_{12}H_{25}Cl_2OP$ M 287.2 Liq. cryst. at

< 5°. d_4^{20} 1.05. Bp_{0.3} 128-130°, Bp_{0.1} 148-151°. n_D^{20} 1.4709.

[16693-57-5]

Kosolapoff, G.M., *J.A.C.S.*, 1945, **67**, 1180

(synth)

Ford-Mason, A.H. *et al*, *J.C.S.*, 1947, 1465

(synth)

Laughton, R.G., *J.O.C.*, 1962, **27**, 3644

(diphenyl ester)

Raskina, L.P. *et al*, *Zh. Prikl. Khim.*

(Leningrad), 1968, **41**, 1544; *J. Appl. Chem.*

USSR (Engl. Transl.), 1968, **41**, 1470 (ester)

Dietze, U., *J. Prakt. Chem.*, 1974, **316**, 293 (ir)

Schulz, P.C., *An. Asoc. Quim. Argent.*, 1983, **71**,

271; *CA*, **100**, 15636 (ir, Raman, cryst struct)

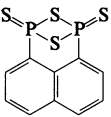
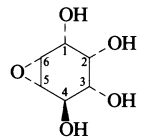
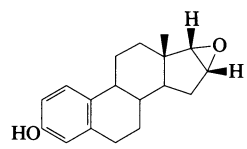
Yuan, C. *et al*, *Phosphorus Sulfur Relat. Elem.*,

1988, **37**, 205 (dichloride, pmr)

Maier, L., *Phosphorus, Sulfur, Silicon Relat.*

Elem., 1990, **47**, 465 (dichloride, synth, pmr)

E

- Eicosafuorononane, 9CI** **E-1-00001**
Perfluorononane. Icosafuorononane
 [375-96-2]
 $F_9C(CF_2)_7CF_3$
 C_9F_{20} M 488.0
 d 1.80. Bp 125-126°. n_D^{20} 1.2760.
 Musgrave, W.K.R. *et al*, *J.C.S.*, 1949, 3021
 (synth)
 Haszeldine, R.N. *et al*, *J.C.S.*, 1950, 3617
 (synth)
- 1,20-Eicosanediol, 9CI** **E-1-00002**
1,20-Icosanediol
 [7735-43-5]
 $HOCH_2(CH_2)_{18}CH_2OH$
 $C_{20}H_{42}O_2$ M 314.5
 Occurs in Carnauba wax and apple wax.
 Cryst. (C_6H_6 or EtOH). Mp 111-112°
 (103°). Bp_{1,5} 215-217°.
Di-Ac:
 $C_{24}H_{46}O_4$ M 398.6 Mp 64.5°.
 Chuit, P. *et al*, *Helv. Chim. Acta*, 1929, **12**, 850
 (synth)
 Kimura, K. *et al*, *Chem. Pharm. Bull.*, 1960, **8**,
 1059 (*di-Ac*)
 Nakaya, T. *et al*, *Makromol. Chem.*, 1987, **188**,
 265 (synth)
 Percec, V. *et al*, *Macromolecules*, 1990, **23**, 3509
 (synth, pmr)
- 10-Eicosene** **E-1-00003**
10-Icosene
 [66587-45-9]
 $H_3C(CH_2)_8CH=CH(CH_2)_8CH_3$
 $C_{20}H_{40}$ M 280.5
 Isol. from *Rosa damascena* (Bulgarian rose
 oil). Oil.
 [78999-41-4, 78999-42-5]
 Kovats, E., *J. Chromatogr.*, 1987, **406**, 185 (*isol*)
 Collazo, L.R. *et al*, *J.O.C.*, 1993, **58**, 43 (synth,
ir, ms, pmr, cmr)
- 4-Eicosenoic acid** **E-1-00004**
4-Icosenoic acid
 $H_3C(CH_2)_{14}CH=CHCH_2CH_2COOH$
 $C_{20}H_{38}O_2$ M 310.5
 (*Z*)-form [82683-00-9]
 (3-Hydroxy-11*Z*-eicosenyl) ester: [122576-62-
 9]. *Drechslerol B*
 $C_{40}H_{76}O_3$ M 605.0 Metab. of
Drechslera maydis. Yellow viscous mass.
 [82683-11-2]
 Shukla, R.S. *et al*, *Phytochemistry*, 1989, **28**,
 2089.
- 1,3-Epithio-1*H*,3*H*-naphtho[1,8-*c,d*][1,2,6]thiadiphosphorin 1,3-disulfide** **E-1-00005**
Naphthalenedithiadiphosphetane disulfide
 [115505-46-9]

 $C_{10}H_6P_2S_4$ M 316.3
 No phys. props. descr.
 Wood, P.T. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1989, **41**, 51 (synth, use,
 reaction, cryst struct)
- 5,6-Epoxy-1,2,3,4-cyclohexanetetrol** **E-1-00006**
1,2-Anhydroinositol, 9CI. 7-Oxabicyclo[4.1.0]heptane-1,2,3,4-tetrol

 (1 α ,2 α ,3 α ,4 β ,5 α ,6 α)-form
 $C_6H_{10}O_5$ M 162.1
 (1 α ,2 α ,3 α ,4 β ,5 α ,6 α)-form [80736-38-5]
1,2-Anhydro-epi-inositol, 9CI. Conduritol C cis-epoxide
 Specific β -glucosidase inhibitor. Cryst. Mp 126° (110-127°). Racemate.
Tetra-Ac:
 $C_{14}H_{18}O_9$ M 330.2 Prisms (EtOH).
 Mp 115.5-116.5°.
 (1 α ,2 α ,3 α ,4 β ,5 β ,6 β)-form [80736-37-4]
1,2-Anhydro-neo-inositol, 9CI. Conduritol C trans-epoxide
 α -Galactosidase inhibitor. Cryst. (EtOH).
 Mp 145° (130-143°). Racemate.
Tetra-Ac: Cryst. (EtOH/H₂O). Mp 114-115°.
 (1 α ,2 α ,3 β ,4 β ,5 α ,6 α)-form [23559-36-6]
1,2-Anhydro-allo-inositol, 9CI. Conduritol E epoxide
 Mp 176-177°. Racemate. Known also in opt. active form (+)-form +153 (c, 0.5 in H₂O).
Tetranitrate: [23627-80-7].
 $C_6H_8N_4O_{13}$ M 342.1 Cryst. (EtOH).
 Mp 89-89.2°.
 (1 α ,2 β ,3 α ,4 β ,5 α ,6 α)-form [6090-95-5]
1,2-Anhydro-DL-myo-inositol, 9CI. Conduritol B epoxide
 Inhibitor of the enzyme which cleaves glucosylceramide. The enzyme is defective in the human genetic disorder Gaucher disease. Cryst. (EtOH). Mp 155-156°.
 Racemate.
 Angyal, S.J. *et al*, *J.C.S.*, 1957, 3691 ((+)-*Conduritol E epoxide*)
 Nakajima, M. *et al*, *Chem. Ber.*, 1959, **92**, 173;
 1961, **94**, 515 (synth, *ir*)
 Legler, G., *Z. Physiol. Chem.*, 1966, **345**, 197
 (synth)
- Anikeeva, A.N. *et al*, *Zh. Obshch. Khim.*, 1966, **36**, 194; *J. Gen. Chem. USSR (Engl. Transl.)*, 1966, **36**, 203 (*ir*)
 Eremenko, L.T. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1970, 920; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1970, 920 (*Conduritol E tetranitrate*)
 Legler, G. *et al*, *FEBS Lett.*, 1981, **135**, 139 (synth, *biochem*)
 Lee, K.J. *et al*, *Carbohydr. Res.*, 1985, **144**, 148 (synth, *Conduritol B epoxide*)
 Gal, A.E. *et al*, *J. Labelled Compd. Radiopharm.*, 1987, **24**, 397; *CA*, **108**, 55775k (synth)
 Datta, S.C. *et al*, *Biochem. Biophys. Res. Commun.*, 1988, **152**, 155 (*biochem*)
 Carless, H.A.J., *Tet. Lett.*, 1992, **33**, 6379 (synth, pmr, cmr, *Conduritol E epoxides*)
- 16,17-Epoxyestra-1,3,5(10)-trien-3-ol, 9CI** **E-1-00007**

 (16 α ,17 α)-form
 $C_{18}H_{22}O_2$ M 270.3
 (16 α ,17 α)-form [472-56-0] *Estroxide*
 Metab. of estratetraenol.
 (16 β ,17 β)-form [472-57-1]
 Needles (C_6H_6 /petrol). Mp 194-197°. [α]_D²⁵ +119 (CHCl₃).
Ac:
 $C_{20}H_{24}O_3$ M 312.4 Cryst. (petrol).
 Mp 117-118°. [α]_D²⁷ +103.
 Fishman, J. *et al*, *J.O.C.*, 1958, **23**, 1190 (synth)
 Fishman, J., *J.A.C.S.*, 1960, **82**, 6143 (*Ac*)
 Watabe, T. *et al*, *J. Biol. Chem.*, 1979, **254**, 10720 (*formn*)
 Siekmann, L. *et al*, *Acta Endocrinol. (Copenhagen)*, 1980, **95**, 49 (*biosynth*)
 Arunachalam, T. *et al*, *J.O.C.*, 1981, **46**, 3415 (synth, pmr)
- 1,1,1-Ethantetricarbonitrile, 9CI** **E-1-00008**
1,1,1-Tricyanoethane. Methylcyanoform
 [10359-20-3]
 $H_3CC(CN)_3$
 $C_5H_3N_3$ M 105.0
 Cryst. (CH₂Cl₂); needles by subl. Mp 94°.
 Hantzsch, A. *et al*, *Ber.*, 1899, **32**, 641 (synth)
 Witt, J.R. *et al*, *Acta Cryst. B*, 1972, **28**, 950 (cryst struct)
 Gattow, G. *et al*, *Z. Anorg. Allg. Chem.*, 1992, **611**, 134 (synth, *ir, Raman, cmr, ms*)
 Rüdhardt, C. *et al*, *Chem. Ber.*, 1994, **127**, 2225 (synth)
- 1,1,1-Ethantetricarboxylic acid** **E-1-00009**
 $H_3CC(COOH)_3$
 $C_5H_6O_6$ M 162.0
 Unknown in the free state.

Tri-Me ester: [5537-85-9].

$C_8H_{12}O_6$ M 204.1 Prisms (petrol or MeOH). Mp 39°. Bp₁₅ 123-124°.

Et, Di-Me ester: [74896-32-5].

$C_9H_{14}O_6$ M 218.2 Bp₂ 93°.

Tri-Et ester: [16515-90-5].

$C_{11}H_{18}O_6$ M 246.2 Bp₁₀ 130-132°.

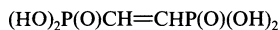
Trinitrile: see 1,1,1-Ethantetricarbonitrile, E-1-00008

Arndt, F. *et al*, *Annalen*, 1932, **499**, 228 (*tri-Me ester*)

Prelicz, D. *et al*, *Pol. J. Chem. (Rocz. Chem.)*, 1967, **41**, 267 (*tri-Et ester*)

Saitkulova, F.G. *et al*, *Zh. Prikl. Khim. (Leningrad)*, 1981, **54**, 206; *CA*, **94**, 208317g (*esters*)

1,2-Ethenediylbisphosphonic acid, 9CI



$C_2H_6O_6P_2$ M 188.0

(*E*)-*form* [34169-22-7]

Cryst. + 1H₂O. Mp 194.5-196°.

Dehydrated at 240°. Dec. 400°.

Tetra-Me ester: [25362-05-4]. *Tetramethyl*

1,2-ethenediylbisphosphonate

$C_6H_{14}O_6P_2$ M 244.1 Solid or liq. Mp 29-30°. Bp_{0.9} 135-140°.

Tetra-Et ester: [20408-22-4]. *Tetraethyl 1,2-ethenediylbisphosphonate*

$C_{10}H_{22}O_6P_2$ M 300.2 Liq. Bp_{0.05} 140-143°. n_D^{25} 1.4491.

Tetrachloride:

$C_2H_2Cl_4O_2P_2$ M 261.7 Solid. Mp 154-156°.

Tavs, P. *et al*, *Tetrahedron*, 1970, **26**, 5329 (*ester, synth, ir*)

Maier, L., *Phosphorus Relat. Group V Elem.*, 1973, **3**, 19 (*synth, derivs*)

Kruglov, S.V. *et al*, *Zh. Obshch. Khim.*, 1973, **43**, 1480; *J. Gen. Chem. USSR (Engl. Transl.)*, 1973, **43**, 1470 (*esters, synth, pmr*)

Pudovik, A.N. *et al*, *Zh. Obshch. Khim.*, 1973, **43**, 1647; 1976, **46**, 2492; *J. Gen. Chem. USSR (Engl. Transl.)*, 1973, **43**, 1629; 1976, **46**, 2385 (*synth*)

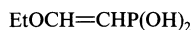
Samitov, Y.Y. *et al*, *Zh. Obshch. Khim.*, 1975, **45**, 2130; *J. Gen. Chem. USSR (Engl. Transl.)*, 1975, **45**, 2097 (*esters, synth, pmr, P-31 nmr*)

Klose, G. *et al*, *Chem. Phys. Lett.*, 1990, **175**, 472 (*tetraethyl ester, P-31 nmr*)

Harris, R.K. *et al*, *Magn. Reson. Chem.*, 1993, **31**, 1085 (*esters, cmr, P-31 nmr*)

(2-Ethoxyethenyl)phosphonic acid E-1-00011

(2-Ethoxyvinyl)phosphonic acid



$C_4H_9O_3P$ M 136.0

cis and *trans*-forms of esters have been characterised spectroscopically.

Di-Me ester: [37916-74-8]. *Dimethyl (2-ethoxyethenyl)phosphonite*

$C_6H_{13}O_3P$ M 164.1 Liq. d_4^{20} 1.03. Bp_{15.5} 81-82°. n_D^{20} 1.4618.

Di-Et ester: [37916-75-9]. *Diethyl (2-ethoxyethenyl)phosphonite*

$C_8H_{17}O_3P$ M 192.1 d_4^{20} 0.98. Bp_{11.5} 93°. n_D^{20} 1.4567.

Dipropyl ester: [62170-64-3]. *Dipropyl (2-ethoxyethenyl)phosphonite*

$C_{10}H_{21}O_3P$ M 220.2 Liq. d_4^{20} 0.96.

Bp₃ 95-97°. n_D^{20} 1.4487.

Diisopropyl ester: [62170-63-2]. *Diisopropyl (2-ethoxyethenyl)phosphonite*

$C_{10}H_{21}O_3P$ M 220.2 Liq. d_4^{20} 0.96.

Bp₃ 88-90°. n_D^{20} 1.4469.

Bis(2,2,3,3-tetrafluoropropyl)ester: [62170-66-5]. *Bis(2,2,3,3-tetrafluoropropyl) (2-ethoxyethenyl)phosphonite*

$C_{10}H_{13}F_8O_3P$ M 364.1 Liq. d_4^{20} 1.43.

Bp₂ 138-140°. n_D^{20} 1.4130.

Dibutyl ester: [62170-65-4]. *Dibutyl (2-ethoxyethenyl)phosphonite*

$C_{12}H_{25}O_3P$ M 248.3 Liq. d_4^{20} 0.93.

Bp₄ 118-120°. n_D^{20} 1.4429.

[69246-22-6, 69246-23-7, 69246-24-8, 69246-25-9, 75554-31-3, 75554-32-4, 75554-33-5, 75554-34-6]

Foss, V.L. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1962, **146**, 1106.

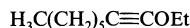
Anisimov, K.N. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1962, 442.

Krylov, L.V. *et al*, *Zh. Obshch. Khim.*, 1976, **46**, 2513; 1978, **48**, 2473; *J. Gen. Chem. USSR (Engl. Transl.)*, 1976, **46**, 2403; 1978, **48**, 2245 (*synth, pmr, P-31 nmr*)

1-Ethoxy-1-octyne, 9CI

Ethyl 1-octynyl ether, 8CI

[14273-09-7]



$C_{10}H_{18}O$ M 154.2

Oil. Bp₉ 80-81°. Bp_{0.2} 30°.

McCarney, C.C. *et al*, *Tetrahedron*, 1976, **32**, 1189 (*synth, pmr*)

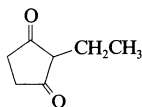
Pons, J.-M. *et al*, *Tet. Lett.*, 1989, **30**, 1833 (*synth*)

Pons, J.-M. *et al*, *Synthesis*, 1994, 1294 (*synth*)

2-Ethyl-1,3-cyclopentanedione, E-1-00013

9CI

[823-36-9]



$C_7H_{10}O_2$ M 126.1

Precursor for the D-ring in the total synth. of steroids. Cryst. (H₂O). Mp 175-177°.

Aldrich Library of FT-IR Spectra, 1st edn., **3**, 253A.

Schick, H. *et al*, *Chem. Ber.*, 1969, **102**, 3238 (*synth*)

Martinez, R.A. *et al*, *Synth. Commun.*, 1989, **19**, 373 (*synth, pmr*)

4-Ethylcyclopentene E-1-00014

C_7H_{12} M 96.1

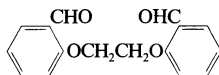
d_4^{20} 0.798. Bp 106°. n_D^{20} 1.4400.

Adv. Chem. Ser., 1955, **15**, 421 (*props*)

2,2'-Ethyleneedioxy-bisbenzaldehyde E-1-00015

2,2'-[1,2-Ethanediyloxy]bisbenzaldehyde, 9CI, 1,4-Bis(2-formylphenyl)-1,4-dioxabutane

[52118-10-2]



$C_{16}H_{14}O_4$ M 270.2

Useful starting material for crown ethers and macrocyclic ligands. Needles. Mp 129°.

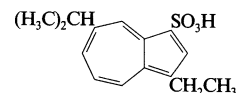
Armstrong, L.G. *et al*, *Inorg. Chem.*, 1975, **14**, 1322 (*synth*)

Atkinson, I.M. *et al*, *Aust. J. Chem.*, 1994, **47**, 1155 (*use*)

3-Ethyl-7-isopropyl-1-azulenesulfonic acid E-1-00016

3-Ethyl-7-(1-methylethyl)-1-azulenesulfonic acid. Egualen, INN. Azuletil. KT 1-32

[99287-30-6]



$C_{15}H_{18}O_3S$ M 278.3

Thromboxane A₂-receptor antagonist.

Antilucer agent.

Na salt: [97683-31-3].

Bluish-violet cryst. Mp 152-154° dec.

► LD₅₀ (rat, orl) 1096 mg/kg. LD₅₀ (rat, ipr) 224 mg/kg. CO4825000.

Eur. Pat., 147 915, (1985) (*Kotobuki Seiyaku*);

CA, **104**, 68494k (*synth, pharmacol*)

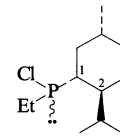
Yanagisawa, T. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 641; 1991, **39**, 2429 (*synth, ir, pmr, pharmacol*)

Mochizuki, S. *et al*, *Scand. J. Gastroenterol., Suppl.*, 1989, **162**, 194 (*pharmacol*)

Ethyl(2-isopropyl-5-methylcyclohexyl)phosphinous chloride, 8CI

Ethyl[5-methyl-2-(1-methylethyl)cyclohexyl]phosphinous chloride, 9CI. Chloroethyl(2-isopropyl-5-methylcyclohexyl)phosphine

[113613-07-3, 113613-09-5]



$C_{12}H_{24}ClP$ M 234.7

(*1R,2S,5R*)-*form*

Ethylmethylphosphinous chloride.

Chloroethylmethylphosphine

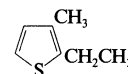
Liq. Bp_{0.2} 95°. Diastereoisomers epimeric at P recognised spectroscopically.

[113613-07-3, 113613-09-5]

Hägele, G. *et al*, *J.C.S. Dalton*, 1987, 795

(*synth, pmr, cmr, P-31 nmr*)

2-Ethyl-3-methylthiophene E-1-00018



$C_7H_{10}S$ M 126.2

d_4^{20} 0.982. Bp 161°. n_D^{20} 1.5105.

[86701-25-9]

Adv. Chem. Ser., 1955, **15**, 196 (*props*)

3-Ethyl-2-methylthiophene, 9CI

E-1-00019

[53119-51-0]

C₇H₁₀S M 126.2
Bp 157°.

Adv. Chem. Ser., 1955, 15, 197 (props)

3-Ethyl-2,4-pentanedione, 9CI

E-1-00020

Ethylacetylacetone. 3-Ethyl-4-hydroxy-3-penten-2-one
[1540-34-7]C₇H₁₂O₂ M 128.1About 25% enol form in pure liq., over 40% enol in some solvs. (CCl₄, C₆H₆). d₄²⁰ 0.9568. Bp 179°, Bp₂₀ 76°. n_D²⁰ 1.4419.

[34135-99-4]

v. Auwers, K. et al, *Annalen*, 1921, 426, 161, 227 (synth)Morgan, G.T. et al, *J. Soc. Chem. Ind., London*, 1925, 44, 462 (synth)Johnson, A.W. et al, *J.C.S.*, 1958, 4254 (synth)Yoffe, S.T. et al, *Tetrahedron*, 1962, 18, 923 (tautom, ir, uv)Ioffe, S.T. et al, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1965, 1556; 1968, 2024; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1965, 1523; 1968, 1927 (tautom, pmr)Emsley, J. et al, *J. Mol. Struct.*, 1987, 161, 193 (synth, tautom)McLendon, G. et al, *J.A.C.S.*, 1992, 114, 6227 (synth, pmr)Nölke, M. et al, *Annalen*, 1995, 41 (synth, pmr)**3-Ethylpentanoic acid**

E-1-00021

3,3-Diethylpropanoic acid
[58888-87-2]C₇H₁₄O₂ M 130.1

Me ester: [63540-23-8].

C₈H₁₆O₂ M 144.2 Bp 164°.

Amide: [55327-21-4].

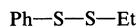
C₇H₁₅NO M 129.2 Cryst. (EtOH).
Mp 130°.

Nitrile: [5631-83-4].

C₇H₁₃N M 111.1 Bp₁₂ 60°.Doering, W. von E. et al, *J.A.C.S.*, 1956, 78, 4947 (ester)Cohen-Addad, C. et al, *Acta Cryst. B*, 1975, 31, 835 (synth, cryst struct, amide)Degenhardt, C.R., *Synth. Commun.*, 1982, 12, 415 (synth)**Ethyl phenyl disulfide, 9CI**

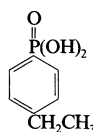
E-1-00022

[4032-81-9]

C₈H₁₀S₂ M 170.2Liq. Bp₁₄ 123°, Bp_{0.7} 94°. n_D²⁵ 1.5980.Lecher, H. et al, *Ber.*, 1922, 55, 1474 (synth)Armitage, D.A. et al, *J.C.S. Perkin 1*, 1972, 680 (synth)Capozzi, G. et al, *Gazz. Chim. Ital.*, 1990, 120, 421 (synth, pmr, ms)**(4-Ethylphenyl)phosphonic acid**

E-1-00023

[6873-66-1]

C₈H₁₁O₃P M 186.1

Di-Et ester: [72596-29-3]. Diethyl (4-ethylphenyl)phosphonate

C₁₂H₁₉O₃P M 242.2 Liq. Bp_{0.9} 132-134°.

Monohexyl ester: [128333-47-1]. Monohexyl (4-ethylphenyl)phosphonate

C₁₄H₂₃O₃P M 270.3 pK_a 3.55.

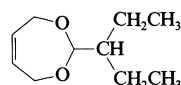
Dichloride: [74289-32-0].

C₈H₉Cl₂OP M 223.0 Liq. d₂₀ 1.29. Bp_{1.5} 100-100.5°. n_D²⁰ 1.5521.Kabachnik, M.I. et al, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1961, 1896; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1961, 1770 (dichloride)Dietze, U., *J. Prakt. Chem.*, 1974, 316, 485 (ir)Morita, T. et al, *Chem. Lett.*, 1980, 435 (dichloride)Yuan, C. et al, *Synthesis*, 1990, 140 (esters, synth, P-31 nmr)Hu, W. et al, *Chin. Chem. Lett.*, 1992, 3, 579 (P-31 nmr)Yuan, C. et al, *Heteroat. Chem.*, 1993, 4, 23 (P-31 nmr)**2-(1-Ethylpropyl)-4,7-dihydro-1,3-dioxepin, 9CI**

E-1-00024

4,7-Dihydro-2-(3-pentyl)-1,3-dioxepin. Karotene

[53338-06-0]

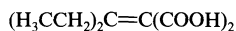
C₁₀H₁₈O₂ M 170.2

Perfumery ingredient. Liq. d 0.95.

Ger. Pat., 2 407 863, (1974); *CA*, 82, 4332a.**(1-Ethylpropylidene) propanedioic acid, 9CI**

E-1-00025

(1-Ethylpropylidene)malonic acid. 2-Ethyl-1-buten-1,1-dicarboxylic acid

C₈H₁₂O₄ M 172.1

Di-Et ester: [78775-59-4].

C₁₂H₂₀O₄ M 228.2 Liq. Bp_{0.3} 80°.

Mononitrile: [868-01-9]. 2-Cyano-3-ethyl-2-pentenoic acid, 9CI

C₈H₁₁NO₂ M 153.1 No phys. props. reported.

Mononitrile, Me ester: [22863-91-8].

C₉H₁₃NO₂ M 167.2 Bp₅ 105-106°.

Mononitrile, Et ester: [868-04-2].

C₁₀H₁₅NO₂ M 181.2 Bp₁₁ 118°.

Dinitrile: [10394-95-3]. 3-(Dicyanomethylene)pentene

C₈H₁₀N₂ M 134.1 Liq. Bp₂₃ 120-123°.

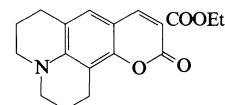
[142438-74-2]

Cope, A.C. et al, *J.A.C.S.*, 1937, 59, 2327; 1941, 63, 733 (nitriles)Hamelin, J. et al, *Bull. Soc. Chim. Fr.*, 1968, 2513 (deriv)Wisfield, D.G. et al, *Can. J. Chem.*, 1970, 48, 855 (dinitrile)Holmberg, C. et al, *Annalen*, 1981, 748 (Et ester)Texier-Boullet, F. et al, *Tet. Lett.*, 1982, 23, 4927 (dinitrile)**Ethyl 2,3,6,7-tetrahydro-11-oxo-1H,5H,11H-[1]benzopyrano[6,7,8-ij]quinolizine-10-carboxylate, 9CI**

E-1-00026

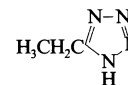
Coumarin 314

[55804-66-5]

C₁₈H₁₉NO₄ M 313.3Laser dye. Mp 140-144°. λ_{max} 436 nm.Yip, B.C. et al, *Acta Cryst. C*, 1995, 51, 956 (cryst struct, bibl)**5-Ethyl-1H-tetrazole, 9CI**

E-1-00027

[16687-59-5]

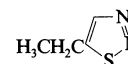
C₃H₆N₄ M 98.1

Cryst. (EtOAc). Mp 98-99°.

Mihina, J.S. et al, *J.O.C.*, 1950, 15, 1082 (synth)**5-Ethyl-1,2,3-thiadiazole**

E-1-00028

[50406-55-8]

C₄H₆N₂S M 114.1Bp_{0.3} 46°.Heier, H. et al, *Annalen*, 1986, 1334 (synth, ir, pmr, cmr, ms)L'abbé, G. et al, *J. Het. Chem.*, 1993, 30, 301 (N-15 nmr)**2-(Ethylthio)-1,3-butadiene**

E-1-00029

[7326-63-8]

C₆H₁₀S M 114.2

Diels-Alder diene.

Negishi, E. et al, *J.O.C.*, 1983, 48, 1562 (synth, ir, pmr, cmr)Trofimov, B.A. et al, *Sulfur Lett.*, 1986, 4, 125.Narasaka, K. et al, *Bull. Chem. Soc. Jpn.*, 1991, 64, 387.**1-(Ethylthio)-1-buten-3-yne**

E-1-00030

C₆H₈S M 112.1

(Z)-form [19458-01-6]

Yellow liq. Bp₁₂ 64°. n_D²⁰ 1.5440.

Volkov, A. *et al*, *Zh. Org. Khim.*, 1982, **18**, 269 (synth)
Fossatelli, M. *et al*, *Tet. Lett.*, 1992, **33**, 4229 (synth)

Ethylvinylphosphinic acid E-1-00031

Ethenylethylphosphinic acid

C₄H₉O₂P M 120.0

Me ester: [56542-09-7]. Methyl ethylvinylphosphinate

C₅H₁₁O₂P M 134.1 Liq. d₄²⁰ 1.05. Bp₁₁ 80°. n_D²⁰ 1.4518.

Et ester: [10545-62-7]. Ethyl ethylvinylphosphinate

C₆H₁₃O₂P M 148.1 Liq. d₄²⁰ 1.02. Bp₁₄ 86.5°. n_D²⁰ 1.4495.

2-Propenyl ester: 2-Propenyl ethenylethylphosphinate. Allyl ethylvinylphosphinate

C₇H₁₃O₂P M 160.1 d₄²⁰ 1.02. Bp₁₀ 99-100°. n_D²⁰ 1.4640.

Propyl ester: [71431-36-2]. Propyl ethylvinylphosphinate

C₇H₁₅O₂P M 162.1 Liq. d₄²⁰ 0.99. Bp₁₀ 94-95°. n_D²⁰ 1.4468.

Isopropyl ester: [88093-32-7]. Isopropyl ethylvinylphosphinate

C₇H₁₅O₂P M 162.1 Liq. d₄²⁰ 0.98. Bp₁₀ 83°. n_D²⁰ 1.4440.

Ph ester: Phenyl ethylvinylphosphinate

C₁₀H₁₃O₂P M 196.1 Liq. d₄²⁰ 1.11. Bp₃ 114-115°. n_D²⁰ 1.5240.

Diethylamide: [56542-10-0]. P-Ethenyl-N,N,N,P-triethylphosphinic amide

C₈H₁₈NOP M 175.2 Liq. d₄²⁰ 1.0. Bp_{0.035} 52-53°. n_D²⁰ 1.4745.Kamai, G. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1959, **128**, 543; *CA*, **54**, 7538.Tsvinunin, V.S. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1960, **131**, 1113; *CA*, **54**, 20843.Pyrkin, R.I. *et al*, *Zh. Obshch. Khim.*, 1975, **45**, 762; *J. Gen. Chem. USSR (Engl. Transl.)*, 1975, **45**, 750 (Me ester, amide, synth, P-31 nmr)**1,2-Ethynediylbisphosphonic acid E-1-00032**

Bis(dihydroxyphosphinyl)ethyne.

Diphosphonoacetylene

[41391-90-6]

C₂H₄O₆P₂ M 185.9

Ester undergoes Diels-Alder reactions giving cycloalkenebisphosphonic esters and leading to aromatic 1,2-diphosphonic acids. Viscous dihydrate.

Bis(tributylammonium) salt: [92340-87-9]. Hygroscopic powder + 1H₂O. Mp 130-135°.

Tetra-Me ester: [19519-58-5]. Tetramethyl 1,2-ethynediylbisphosphonate

C₈H₁₂O₆P₂ M 242.1 Solid or liq. Mp 13-15°. Bp₁₅ 155-156°. n_D²⁵ 1.4476.

P,P-Di-Me, P',P'-di-Et ester: P,P-Dimethyl, P',P'-diethyl 1,2-ethynediylbisphosphonate

C₈H₁₆O₆P₂ M 270.1 Liq. d₄²⁰ 1.20. Bp₁ 151-153°. n_D²⁰ 1.4495.

Tetra-Et ester: [4851-53-0]. Tetraethyl 1,2-ethynediylbisphosphonate

C₁₀H₂₀O₆P₂ M 298.2 Liq. d₄²⁰ 1.12. Bp_{2.5} 181.5-182.5°. n_D²⁰ 1.4475.

Tetraisopropyl ester: Tetrakis(1-methylethyl) 1,2-ethynediylbisphosphonate

C₁₄H₂₈O₆P₂ M 354.3 Liq. Bp_{0.1} 140°. n_D²⁰ 1.4435.Ionin, B.I. *et al*, *Zh. Obshch. Khim.*, 1965, **35**, 1917; *J. Gen. Chem. USSR (Engl. Transl.)*, 1965, **35**, 1910 (Tetra-Et ester)Seyferth, D. *et al*, *J.O.C.*, 1969, **34**, 1483 (Tetra-Me ester)Maier, L., *Phosphorus Relat. Group V Elem.*, 1973, **2**, 229 (synth, esters, pmr, P-31 nmr)Kruglov, S.V. *et al*, *Zh. Obshch. Khim.*, 1973, **43**, 1480; *J. Gen. Chem. USSR (Engl. Transl.)*, 1973, **43**, 1470.Blackburn, G.M. *et al*, *J.C.S. Perkin 1*, 1984, 1119; 1991, 286 (synth, ms, pmr, P-31 nmr)Ziegler, T. *et al*, *Chem. Ber.*, 1987, **120**, 1347 (use)**1,2-Ethynediylbis E-1-00033**

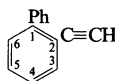
[triphenylbis(phenylethynyl) phosphorane], 9CI

[147437-85-2]

C₅₄H₄₀P₂ M 750.8Brown cryst. Mp 43-58° dec. With H₂O → Ph₃PO + PhC≡CH. When heated → Ph₃P + Ph₃PO.Ogawa, S. *et al*, *Tet. Lett.*, 1993, **34**, 838 (synth, ms, pmr, cmr, P-31 nmr, props)**2-Ethynyl-1,1'-biphenyl, 9CI E-1-00034**

2-Biphenylacetylene

[52889-62-0]

C₁₄H₁₀ M 178.2Oil. Bp₃ 137°.Faseeh, S.A. *et al*, *Indian J. Chem.*, 1947, **24**, 57 (synth)Nourmamide, A. *et al*, *Bull. Soc. Chim. Fr.*, Part II, 1981, 207 (synth, pmr, ir)Stephens, E.B. *et al*, *Macromolecules*, 1993, **26**, 2420 (synth, ir, pmr)**3-Ethynyl-1,1'-biphenyl, 9CI E-1-00035**

3-Biphenylacetylene

[58650-11-6]

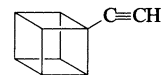
C₁₄H₁₀ M 178.2Liq. Bp_{0.4} 98-100°. n_D²⁵ 1.6300.U.S. Pat. 3 968 251, (1976); *CA*, **85**, 116915m (synth)Hofmann, J. *et al*, *Annalen*, 1995, 631 (ir, ms)**4-Ethynyl-1,1'-biphenyl, 9CI E-1-00036**

4-Biphenylacetylene

[29079-00-3]

C₁₄H₁₀ M 178.2Cryst. (EtOH, CCl₄ or hexane/CHCl₃). Mp 86-87°.Jacobs, T.L. *et al*, *J.O.C.*, 1957, **22**, 1424 (synth)Tani, H. *et al*, *Bull. Chem. Soc. Jpn.*, 1963, **36**, 391 (synth, ir, uv)Dawson, D.A. *et al*, *Can. J. Chem.*, 1975, **53**, 373 (cmr)Uno, H. *et al*, *Bull. Chem. Soc. Jpn.*, 1992, **65**, 210 (ir, pmr, ms)Stephens, E.B. *et al*, *Macromolecules*, 1993, **26**, 2420 (synth, ir, pmr)Hofmann, J. *et al*, *Annalen*, 1995, 631 (ir, ms)Yashima, E. *et al*, *Macromolecules*, 1995, **28**, 4184 (synth, pmr)**Ethynylcubane E-1-00037**

Cubylacetylene

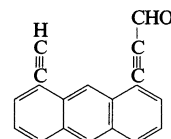
C₁₀H₈ M 128.1

Cryst. Mp 43-45°.

Eaton, P.E. *et al*, *J.A.C.S.*, 1994, **116**, 7588 (synth, pmr, cmr)**8-Ethynyl-1-(2-formylethynyl) anthracene E-1-00038**

3-(8-Ethynyl-1-anthracenyl)-2-propynal

[157993-37-8]

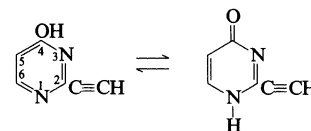
C₁₉H₁₀O M 254.2

Yellow powder. Mp 130-131°.

Breitmaier, E. *et al*, *Annalen*, 1994, 857 (synth, pmr, cmr, ms)**2-Ethynyl-4- E-1-00039**

hydroxypyrimidine

2-Ethynyl-4(1H)-pyrimidinone. 2-Ethynyl-4-pyrimidinol



OH-form

NH-form

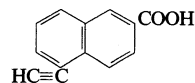
C₆H₄N₂O M 120.1

OH-form

Me ether: [161489-04-9]. 2-Ethynyl-4-methoxyxypyrimidine, 9CI

C₇H₆N₂O M 134.1 Solid by subl. Mp 88.0-89.5°. Subl._{0.5} 50°.Boucher, E. *et al*, *J.O.C.*, 1995, **60**, 1408 (Me ether, synth, ir, pmr, cmr)**5-Ethynyl-2- E-1-00040**

naphthalenecarboxylic acid

C₁₃H₈O₂ M 196.2

Solid. Mp 247-248°.

Ellingboe, J.W. *et al*, *J. Med. Chem.*, 1993, **36**, 2485 (synth, pmr)

1-Ethynyl-1*H*-pyrrole, 9CI **E-1-00041**

[139565-93-8]

 C_6H_5N M 91.1Liq. Bp 108°. n_D^{20} 1.513. Turns brown at r.t.Paley, M.S. *et al*, *J.A.C.S.*, 1992, **114**, 3247

(synth, pmr)

Brandsma, L. *et al*, *Synth. Commun.*, 1994, **24**,
2721 (synth)**2-Ethynyl-1*H*-pyrrole, 9CI** **E-1-00042**

[67237-51-8]

 C_6H_5N M 91.1Nitrification inhibitor. Liq. Bp_{0.01} 40°.

Polymerises at r.t.

N-Me: [67237-52-9].

 C_7H_7N M 105.1 Liq. Bp 147-148°,Bp₁₀ 52-53°.Wentrup, C. *et al*, *Angew. Chem.*, 1978, **90**, 643

(synth, pmr, ir)

Maquestiau, A. *et al*, *Org. Mass Spectrom.*,
1978, **13**, 518 (ms)**3-Ethynyl-1*H*-pyrrole** **E-1-00043**

[71580-43-3]

 C_6H_5N M 91.1

Unstable oil.

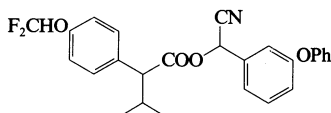
N-Me: [66463-25-0].

 C_7H_7N M 105.1 Mp 29-30°.Shil'nikova, L.N. *et al*, *Zh. Org. Khim.*, 1978,**14**, 251; *J. Org. Chem. USSR (Engl. Transl.)*,1978, **14**, 232 (N-Me)Muchowski, J.M. *et al*, *J.O.C.*, 1992, **57**, 1653
(synth)

F

Flucythrinate, BSI, ANSI, ISO F-1-00001

Cyano(3-phenoxyphenyl)methyl 4-(difluoromethoxy)- α -(1-methylethyl)benzeneacetate, 9CI. α -Cyano-3-phenoxybenzyl 2-(4-difluoromethoxyphenyl)-3-methylbutyrate. *Cybol. Cythrin* [70124-77-5]

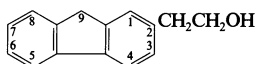


$C_{26}H_{23}F_2NO_4$ M 451.4
Pyrethroid insecticide. Various stereoisomers prepd.

- ▶ LD₅₀ (rat, orl) 81 mg/kg.
- [77104-40-6, 80845-23-4, 80845-25-6, 81601-15-2, 81601-16-3, 81601-17-4]
- U.S. Pat., 4 307 036, (1981); *CA*, **96**, 19937a (synth, activity)
- Horiba, M. et al, *Agric. Biol. Chem.*, 1982, **46**, 3041 (abs config, cd, uv)
- Chapman, R.A., *J. Chromatogr.*, 1983, **258**, 175 (hplc)
- Wettstein, K., *Meded. Fac. Landbouwwet., Rijksuniv. Gent*, 1983, **48**, 331 (rev)
- Pesticide Manual*, 9th edn., 1991, No. 6440.

9H-Fluorene-2-ethanol, 9CI F-1-00002

2-(2-Hydroxyethyl)fluorene. 2-(2-Fluorenyl)ethanol [87776-79-2]



$C_{15}H_{14}O$ M 210.2
Leaflets (petrol). Mp 136-137° (132.5-134.5°).

Ac:
 $C_{17}H_{16}O_2$ M 252.3 Leaflets (petrol). Mp 94-95°.

Proffitt, E. et al, *J. Prakt. Chem.*, 1963, **22**, 47 (synth, ir)
Tsuno, Y. et al, *CA*, 1983, **99**, 194102x (synth)

9H-Fluorene-4-ethanol F-1-00003

4-(2-Hydroxyethyl)fluorene. 2-(4-Fluorenyl)ethanol

$C_{15}H_{14}O$ M 210.2
Clusters (petrol). Mp 81-82°.

Ac:
 $C_{17}H_{16}O_2$ M 252.3 Mp 52-53°.

Proffitt, E. et al, *J. Prakt. Chem.*, 1963, **22**, 47 (synth, ir)

9H-Fluorene-9-ethanol, 9CI F-1-00004

9-(2-Hydroxyethyl)fluorene. 2-(9-Fluorenyl)ethanol

[3952-36-1]
 $C_{15}H_{14}O$ M 210.2
Needles (C_6H_6 or toluene/hexane). Mp 107-108° (98-99°).

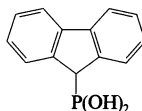
Me ether: [57722-05-1]. 9-(2-Methoxyethyl)-9H-fluorene, 9CI

$C_{16}H_{16}O$ M 224.3 Bp_{0.5} 143°.

Greenhow, E.J. et al, *J.C.S.*, 1951, 2848 (synth)
Jones, D.W. et al, *J.C.S.(B)*, 1971, 389 (pmr)
Maercker, A. et al, *Chem. Ber.*, 1983, **116**, 710 (synth, pmr)
Rieger, B. et al, *Organometallics*, 1994, **13**, 647 (synth, pmr)
Perumattam, J. et al, *Synthesis*, 1994, 1181 (synth, ir, pmr)

9H-Fluorene-9-ylphosphonous acid F-1-00005

9-Fluorenephosphonous acid



$C_{13}H_{11}O_2P$ M 230.2

Di-Et ester: Diethyl 9H-9-fluorenylphosphonite

$C_{17}H_{19}O_2P$ M 286.3 Solid. Mp 67.5-70°. Bp₂ 148.5-149°.

Bis(diethylamide): [148115-62-2]. N,N,N',N'-Tetraethyl-P-9H-fluorene-9-ylphosphonous diamide
 $C_{21}H_{29}N_2P$ M 340.4 Solid. Mp 84-86°.

Bis(diisopropylamide): [148115-63-3]. P-9H-Fluorene-9-yl-N,N,N',N'-tetraakis(1-methylethyl)phosphonous diamide
 $C_{25}H_{37}N_2P$ M 396.5 Solid. Mp 132-134°.

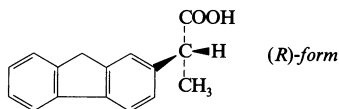
Kabachnik, M.I. et al, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1960, 133; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1960, 122.

Kolodyazhnyi, O.I. et al, *Zh. Obshch. Khim.*, 1993, **63**, 1228; *J. Gen. Chem. USSR (Engl. Transl.)*, 1993, **63**, 857 (amides, synth, pmr)

2-(2-Fluorenyl)propanoic acid F-1-00006

α -Methyl-9H-fluorene-2-acetic acid, 9CI. Cicloprofen, BAN, INN, USAN. Cycloprofen. SQ 20824

[36950-96-6]



$C_{16}H_{14}O_2$ M 238.2

Analgesic, antiinflammatory agent. Never marketed.

(R)-form [54815-81-5]
Cryst. Mp 178-179°. [α]_D²³ +56.

(S)-form [54815-83-7]
Cryst. Mp 179-181°. [α]_D²³ -56.

(±)-form [54815-86-0]
Mp 181-183°.

Stiller, E.T. et al, *J. Med. Chem.*, 1972, **15**, 1029 (synth, pharmacol)

U.S. Pat., 3 856 977, (1974) (ER Squibb); *CA*, **82**, 125179q (synth, resoln)

Dean, A.V. et al, *Xenobiotica*, 1977, **7**, 549; 1978, **8**, 121 (metab)

Martindale, *The Extra Pharmacopoeia*, 28th/29th edn., Pharmaceutical Press, London, 1982/1989, 2626.

Maitre, J.M. et al, *J. Chromatogr.*, 1984, **299**, 397 (resoln)

Singh, N.N. et al, *J. Chromatogr.*, 1986, **378**, 125 (gc)

2-Fluorobenzyl alcohol F-1-00007

2-Fluorobenzenemethanol, 9CI [446-51-5]



C_7H_7FO M 126.1
d 1.17. Bp₁₄ 94-96°. n_D^{20} 1.51.
[102606-96-2, 134430-68-5]

Shoesmith, J.B. et al, *J.C.S.*, 1926, 214 (synth)
Mamalis, P. et al, *J.C.S.*, 1965, 1829 (synth)
Tariq, S. et al, *Indian J. Phys., B*, 1983, **57**, 356 (ir, Raman)
Hansen, P.E. et al, *J. Magn. Reson.*, 1985, **62**, 487 (F-19 nmr)

3-Fluorobenzyl alcohol F-1-00008

3-Fluorobenzenemethanol, 9CI [456-47-3]

C_7H_7FO M 126.1
d 1.16. Bp₂₂ 104-105°.

4-Methylbenzenesulfonyl: [3821-46-3]. Mp 54.2-54.7°.

[102606-95-1]

Fang, F.T. et al, *J.A.C.S.*, 1958, **80**, 563 (synth)
Fukui, K. et al, *Nippon Kagaku Zasshi*, 1958, **79**, 1428; *CA*, **54**, 5518i (synth)

4-Fluorobenzyl alcohol F-1-00009

4-Fluorobenzenemethanol [459-56-3]

C_7H_7FO M 126.1
d 1.16. Mp 22-23°. Bp₇₃₀ 209°, Bp₁ 59-59.5°.

4-Methylbenzenesulfonyl: [3859-77-6]. Mp 56.2-56.7°.

[659-46-1]

Fang, F.T. et al, *J.A.C.S.*, 1958, **80**, 563, 568 (synth)

Fukui, K. et al, *Nippon Kagaku Zasshi*, 1958, **79**, 1428; *CA*, **54**, 5518i (synth)

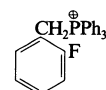
Balakrishnan, P. et al, *Tet. Lett.*, 1984, **25**, 169 (O-17 nmr)

Visser, T. et al, *Spectrochim. Acta A*, 1986, **42**, 599 (ir, conformn)

(2-Fluorobenzyl)triphenylphosphonium(1+) F-1-00010

triphenylphosphonium(1+)

[(2-Fluorophenyl)methyl]triphenylphosphonium(1+)



$C_{25}H_{21}FP^{\oplus}$ M 371.4 (ion)

Chloride: [106795-58-8].

$C_{25}H_{21}ClFP$ M 406.8 Rhombic
prisms. Mp 298-300°.

[82757-27-5]

Fleming, I. *et al*, *J.C.S. Perkin I*, 1986, 349
(*synth*, *pmr*)

(3-Fluorobenzyl)triphenylphosphonium(1+) F-1-00011

[(3-Fluorophenyl)methyl]
triphenylphosphonium(1+)

$C_{25}H_{21}FP^{\oplus}$ M 371.4 (ion)

Bromide: [89302-81-8].

$C_{25}H_{21}BrFP$ M 451.3 Powder. Mp
309-310°.

Rafizadeh, K. *et al*, *J.O.C.*, 1984, 49, 1500
(*synth*, *ir*, *pmr*)

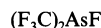
Fluorobis(trifluoromethyl)arsine, 8CI F-1-00012

arsine, 8CI

Bis(trifluoromethyl)arsinous fluoride, 9CI.

Bis(trifluoromethyl)arsenic fluoride

[359-54-6]



C_2AsF_7 M 231.9

Synth. from $(F_3C)_3As + F_2$; $(F_3C)_2AsI + AgF$; or from $AsF_3 + Cd(CF_3)_2$. Liq. or gas. Bp 25° (extrap.), Bp₂₃₂ 0°.

Walaschewski, E.J., *Chem. Ber.*, 1953, 86, 272
(*synth*)

Emeléus, H.J. *et al*, *J.C.S.*, 1953, 1552 (*synth*)

Demuth, R., *Z. Anorg. Allg. Chem.*, 1975, 418, 149 (*ir*, *Raman*)

Riesel, L. *et al*, *Z. Anorg. Allg. Chem.*, 1990, 588, 26 (*synth*)

2-Fluoro-1,3-butadiene F-1-00013

Fluoroprene

[381-61-3]



C_4H_5F M 72.0

Antioxidant in polymers. Liq. or gas. Bp 12°. n_D 1.4010.

Orr, R.J. *et al*, *Can. J. Chem.*, 1955, 33, 1328
(*synth*)

Petrow, A.A. *et al*, *Zh. Obshch. Khim.*, 1956, 26, 3314; *J. Org. Chem. USSR (Engl. Transl.)*, 1956, 26, 2452 (*synth*)

Fr. Pat., 1 486 739, (1967); *CA*, 68, 79404v (*use*)

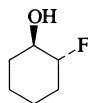
Tarasova, N.V. *et al*, *CA*, 1969, 42, 1602

(*conformn*)

Kirk-Othmer Encycl. Chem. Technol., 3rd edn., Wiley, New York, 1978-1984, 3, 128 (*use*)

2-Fluorocyclohexanol, 9CI F-1-00014

[656-60-0]



$C_6H_{11}FO$ M 118.1

(*IRS,2RS*)-*form* [14365-32-3]

(±)-*trans-form*

Mp 20-21°. Bp₁₄ 68-69°.

Me ether: [65267-06-3]. 1-Fluoro-2-methoxycyclohexane, 9CI

$C_7H_{13}FO$ M 132.1 Bp₂₀ 45°.

[20421-48-1, 65267-05-2, 79186-49-5, 98014-25-6]

Farges, G. *et al*, *Bull. Soc. Chim. Fr.*, 1963, 51
(*synth*)

Withig, G. *et al*, *Chem. Ber.*, 1963, 96, 329
(*synth*)

Olah, G. *et al*, *Isr. J. Chem.*, 1978, 17, 148
(*synth*)

Baklouti, A. *et al*, *J. Fluorine Chem.*, 1981, 18, 45
(*synth*, *pmr*, *F-19 nmr*, *ms*, *deriv*)

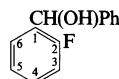
Jones, P.G. *et al*, *Acta Cryst. C*, 1992, 48, 852
(*cryst struct*, *derivs*)

2-Fluorodiphenylmethanol F-1-00015

2-Fluoro- α -phenylbenzenemethanol, 9CI. 2-

Fluorobenzhydrol, 8CI

[362-54-9]



$C_{13}H_{11}FO$ M 202.2

(-)-*form* [143880-81-3]

Mp 47-48°. [α]_D -9.2 (c, 3.0 in Me_2CO).

(±)-*form*

Cubes. Mp 41-42°.

Bachmann, W.E. *et al*, *J.O.C.*, 1943, 8, 320
(*synth*)

Brown, E. *et al*, *Tetrahedron: Asymmetry*, 1992, 3, 841 (*synth*)

3-Fluorodiphenylmethanol F-1-00016

3-Fluoro- α -phenylbenzenemethanol. 3-

Fluorobenzhydrol

[365-17-3]

$C_{13}H_{11}FO$ M 202.2

(±)-*form*

Solid or viscous liq. Mp 26-27°. Bp₁₆ 178-179°.

Bachmann, W.E. *et al*, *J.O.C.*, 1943, 8, 320
(*synth*)

4-Fluorodiphenylmethanol F-1-00017

4-Fluoro- α -phenylbenzenemethanol, 9CI. 4-

Fluorobenzhydrol, 8CI

[365-22-0]

$C_{13}H_{11}FO$ M 202.2

(±)-*form*

Cryst. (hexane/ Et_2O). Mp 48°. Bp₁₆ 175-178°.

Koopal, S.A., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1915, 34, 8, 158 (*synth*)

Schiemann, G. *et al*, *Ber.*, 1931, 64, 1340 (*synth*)

Maruyama, K. *et al*, *J. Phys. Org. Chem.*, 1991, 4, 501 (*synth*, *ms*)

Rieke, R. *et al*, *Synth. Commun.*, 1994, 24, 2379
(*ir*, *pmr*, *cmr*)

1-Fluoroethanol, 9CI F-1-00018

[40017-45-6]



C_2H_5FO M 64.0

(±)-*form*

Ac:

$C_4H_7FO_2$ M 106.0 Liq. Bp 90-91°.

n_D^{20} 1.3766.

Limat, D. *et al*, *Annalen*, 1995, 849.

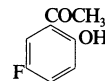
5'-Fluoro-2'- F-1-00019

hydroxyacetophenone

1-(5-Fluoro-2'-hydroxyphenyl)ethanone, 9CI. 2-

Acetyl-4-fluorophenol

[394-32-1]



$C_8H_7FO_2$ M 154.1

Mp 56-58°. Bp₈ 65-66°.

Joshi, K.C. *et al*, *J. Indian Chem. Soc.*, 1962, 39, 185 (*synth*)

Givens, E.N. *et al*, *J. Chem. Eng. Data*, 1969, 14, 392 (*pmr*, *ms*)

3-Fluoro-2- F-1-00020

hydroxybenzaldehyde

1-Fluoro-6-formylphenol. 3-

Fluorosalicylaldehyde

[394-50-3]



$C_7H_5FO_2$ M 140.1

Mp 68-70°.

2,4-Dinitrophenylhydrazone: Orange needles (EtOH). Mp 282-283°.

Me ether: [74266-68-5]. 3-Fluoro-2-methoxybenzaldehyde. 1-Fluoro-3-formyl-2-methoxybenzene. 3-Fluoro-*o*-anisaldehyde

$C_8H_7FO_2$ M 154.1 Mp 47-48°. Bp₁₂ 82°.

Aldrich Library of FT-IR Spectra, 1st edn., 3, 1295A.

Ferguson, L.N. *et al*, *J.A.C.S.*, 1946, 68, 2502. *U.S. Pat.*, 4 124 643, (1978); *CA*, 90, 87041

(*synth*)

Aymes, D.J. *et al*, *Bull. Soc. Chim. Fr.*, 1980, 175 (*synth*)

Ladd, D.L. *et al*, *Synth. Commun.*, 1985, 15, 61

(*deriv*)

Furlano, D.C. *et al*, *J.O.C.*, 1988, 53, 3145

(*deriv*)

3-Fluoro-4- F-1-00021

hydroxybenzaldehyde

$C_7H_5FO_2$ M 140.1

Needles (H_2O). Mp 121-122°.

Oxime:

$C_7H_6FNO_2$ M 155.1 Cryst. (H_2O).

Mp 140-141°.

2,4-Dinitrophenylhydrazone: Scarlet needles. Mp 291-292°.

Ferguson, L.N. *et al*, *J.A.C.S.*, 1946, 68, 2502.

5-Fluoro-2- F-1-00022

hydroxybenzaldehyde

5-Fluorosalicylaldehyde

[347-54-6]

$C_7H_5FO_2$ M 140.1

Plates. Mp 82-84°.

Phenylhydrazone: Yellow plates. Mp 144-145°.

2,4-Dinitrophenylhydrazone: Orange needles. Mp 285-287°.

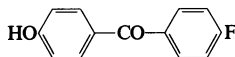
Me ether: [19415-51-1]. 5-Fluoro-2-methoxybenzaldehyde

$C_8H_7FO_2$ M 154.1 Mp 43-45°.

Ferguson, L.N. *et al*, *J.A.C.S.*, 1946, **68**, 2502.
 Misaki, S., *J. Fluorine Chem.*, 1982, **21**, 191.
 Vallgård, J. *et al*, *J.C.S. Perkin 1*, 1994, 461.
 Aldred, R. *et al*, *J.C.S. Perkin 1*, 1994, 1823
 (*synth*, *pmr*)

4-Fluoro-4'-hydroxybiphenyl **F-1-00023**

(4-Fluorophenyl)(4-hydroxyphenyl)methanone,
 9CI
 [25913-05-7]



$C_{13}H_9FO_2$ M 216.2
 Cryst. (EtOH aq.). Mp 170-172°.
Me ether: [345-89-1]. 4-Fluoro-4'-
 methoxybiphenyl
 $C_{14}H_{11}FO_2$ M 230.2 Cryst. (EtOH).
 Mp 97° (94°). Bp_{1.1-1.5} 148-152°.

Me ether, 2,4-dinitrophenylhydrazon: Mp
 227-228°.

Ph ether: [16574-56-4]. 4-Fluoro-4'-
 phenoxybiphenyl
 $C_{19}H_{13}FO_2$ M 292.3 Cryst. (EtOH).
 Mp 101.5° (99°). Bp_{0.38} 180-182°.

[76597-40-5, 88164-67-4]

Aldrich Library of FT-IR Spectra, 1st edn., 3,
 1273A.

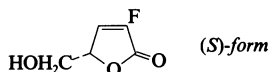
Dayal, S.K. *et al*, *J.A.C.S.*, 1972, **94**, 9113 (*F-19*
nmr, *deriv*)

Shapiro, M.J., *Tetrahedron*, 1977, **33**, 1091 (*cmr*,
deriv)

Ridd, J.H. *et al*, *J.C.S. Perkin 2*, 1988, 1729
 (*synth*)

3-Fluoro-5-(hydroxymethyl)-2(5H)-furanone, 9CI **F-1-00024**

2-Fluoro-4-(hydroxymethyl)-2-buten-4-olide



$C_5H_5FO_3$ M 132.0

(*S*)-form [154540-16-6]

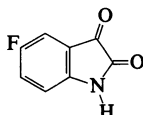
Oil. $[\alpha]_D^{23}$ -28.5 (c, 1 in $CHCl_3$).

Patrick, T.B. *et al*, *J.O.C.*, 1994, **59**, 1210
 (*synth*, *pmr*, *F-19 nmr*)

5-Fluoro-1H-indole-2,3-dione, 9CI **F-1-00025**

5-Fluoroisatin

[443-69-6]



$C_8H_4FNO_2$ M 165.1
 Brick-red needles (AcOH aq.). Mp 227°.

3-Oxime: [319-64-2].

$C_8H_5FN_2O_2$ M 180.1 Mp 202-204°.

Yen, V.Q. *et al*, *J.O.C.*, 1958, **23**, 1858 (*synth*)

Castle, R.N. *et al*, *J. Het. Chem.*, 1965, **2**, 459
 (*synth*)

Kearney, T. *et al*, *Synthesis*, 1992, 769 (3-oxime)

3-Fluoro-6-iodopyridazine, 9CI **F-1-00026**

[162438-03-1]



$C_4H_2FIN_2$ M 223.9
 Tan solid. Mp 118-120°.

Draper, T.L. *et al*, *J.O.C.*, 1995, **60**, 748 (*synth*,
pmr)

3-Fluoro-2-iodo-4-pyridinecarboxylic acid, 9CI **F-1-00027**

[153035-09-7]



$C_6H_3FINO_2$ M 266.9
 Cryst. by subl. Mp 220° subl. Subl. 140°.

Rocca, P. *et al*, *J.O.C.*, 1993, **58**, 7832 (*synth*,
pmr, *cmr*, *ir*)

1-Fluoro-4-(isothiocyanatomethyl)benzene, 9CI **F-1-00028**

4-Fluorobenzylisothiocyanate

[2740-88-7]

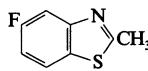


C_8H_6FNS M 167.2
 Bp₉ 122-124°.

Cherbuliez, E. *et al*, *Helv. Chim. Acta*, 1965, **48**,
 1031 (*synth*)

5-Fluoro-2-methylbenzothiazole **F-1-00029**

[399-75-7]



C_8H_6FNS M 167.2
 d 1.26. Bp₇ 110-112°.

[86701-25-9]

Aldrich Library of FT-IR Spectra, 1st edn., 3,
 1512A.

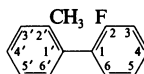
Kiprianov, A.I. *et al*, *Zh. Obshch. Khim.*, 1952,
22, 2209 (*synth*)

Bassignana, P. *et al*, *Spectrochim. Acta*, 1963,
19, 1885 (*ir*)

Sawhney, S.N. *et al*, *J.O.C.*, 1979, **44**, 1136
 (*cmr*)

2-Fluoro-2'-methylbiphenyl **F-1-00030**

[80254-69-9]



$C_{13}H_{11}F$ M 186.2
 Identified spectroscopically.

Kelm, J. *et al*, *Spectrochim. Acta A*, 1981, **37**,
 689 (*synth*, *F-19 nmr*)

Hermann, E.C. *et al*, *Spectrochim. Acta A*, 1982,
38, 1057 (*F-19 nmr*)

2-Fluoro-3-methylbiphenyl **F-1-00031**

[82617-47-8]

$C_{13}H_{11}F$ M 186.2

U.S. Pat., 4 402 973, (1983); *CA*, **100**, 68561x
 (*synth*)

2-Fluoro-3'-methylbiphenyl **F-1-00032**

[76350-77-1]

$C_{13}H_{11}F$ M 186.2

Identified spectroscopically.

Kelm, J. *et al*, *Spectrochim. Acta A*, 1981, **37**,
 689 (*synth*, *F-19 nmr*)

Herman, E.C. *et al*, *Spectrochim. Acta A*, 1982,
38, 1057 (*F-19 nmr*)

2-Fluoro-4-methylbiphenyl **F-1-00033**

[69168-29-2]

$C_{13}H_{11}F$ M 186.2

Eur. Pat., 117 631, (1984); *CA*, **102**, 212787m
 (*synth*)

2-Fluoro-4'-methylbiphenyl **F-1-00034**

[72093-41-5]

$C_{13}H_{11}F$ M 186.2

Identified spectroscopically.

Kelm, J. *et al*, *Spectrochim. Acta A*, 1981, **37**,
 689 (*synth*, *F-19 nmr*)

Hermann, E.C. *et al*, *Spectrochim. Acta A*, 1982,
38, 1057 (*F-19 nmr*)

3-Fluoro-2-methylbiphenyl **F-1-00035**

$C_{13}H_{11}F$ M 186.2

Yellow liq. Bp_{1,2} 88-90°, Bp_{0.5} 74-77°.

Smith, G.G. *et al*, *J.A.C.S.*, 1960, **82**, 99 (*synth*)

3'-Fluoro-2-methylbiphenyl **F-1-00036**

[80254-70-2]

$C_{13}H_{11}F$ M 186.2

Identified spectroscopically.

Kelm, J. *et al*, *Spectrochim. Acta A*, 1981, **37**,
 689 (*synth*, *F-19 nmr*)

Hermann, E.C. *et al*, *Spectrochim. Acta A*, 1982,
38, 1057 (*F-19 nmr*)

3-Fluoro-3'-methylbiphenyl **F-1-00037**

[80254-71-3]

$C_{13}H_{11}F$ M 186.2

Identified spectroscopically.

Kelm, J. *et al*, *Spectrochim. Acta A*, 1981, **37**,
 689 (*synth*, *F-19 nmr*)

Hermann, E.C. *et al*, *Spectrochim. Acta A*, 1982,
38, 1057 (*F-19 nmr*)

3-Fluoro-4-methylbiphenyl, 9CI **F-1-00038**

[135227-04-2]

$C_{13}H_{11}F$ M 186.2

Oil.

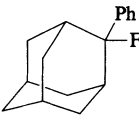

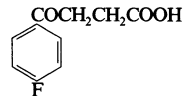
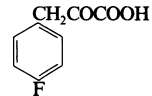
Lipshutz, B.H. *et al*, *J.A.C.S.*, 1993, **115**, 9276
 (*synth*, *ir*, *pmr*, *cmr*)

3-Fluoro-4'-methylbiphenyl **F-1-00039**

[72093-42-6]

$C_{13}H_{11}F$ M 186.2

Identified spectroscopically.

- Kelm, J. *et al*, *Spectrochim. Acta A*, 1981, **37**, 689 (*synth*, *F-19 nmr*)
Hermann, E.C. *et al*, *Spectrochim. Acta A*, 1982, **38**, 1057 (*F-19 nmr*)
- 4'-Fluoro-2-methylbiphenyl** **F-1-00040**
[72968-86-6]
C₁₃H₁₁F M 186.2
Bp_{0.8} 90-93°.
Bell, H.C. *et al*, *Aust. J. Chem.*, 1979, **32**, 1531 (*synth*, *uv*, *pmr*, *ms*)
Kelm, J. *et al*, *Spectrochim. Acta A*, 1981, **37**, 689 (*synth*, *F-19 nmr*)
Hermann, E.C. *et al*, *Spectrochim. Acta A*, 1982, **38**, 1057 (*F-19 nmr*)
- 4'-Fluoro-3-methylbiphenyl** **F-1-00041**
[10540-44-0]
C₁₃H₁₁F M 186.2
Bp_{0.4} 87-92°. *n*_D^{24.5} 1.5730.
Kelm, J. *et al*, *Spectrochim. Acta A*, 1981, **37**, 689 (*synth*, *F-19 nmr*)
Hermann, E.C. *et al*, *Spectrochim. Acta A*, 1982, **38**, 1057 (*F-19 nmr*)
Brune, H.A. *et al*, *Z. Naturforsch., B*, 1984, **39**, 1772 (*synth*, *ir*, *pmr*, *ms*)
- 4-Fluoro-4'-methylbiphenyl** **F-1-00042**
[72093-43-7]
C₁₃H₁₁F M 186.2
Mp 77-78° (64°).
Bell, H.C. *et al*, *Aust. J. Chem.*, 1979, **32**, 1531 (*synth*, *uv*, *pmr*, *ms*)
Hermann, E.C. *et al*, *Spectrochim. Acta A*, 1982, **38**, 1057 (*F-19 nmr*)
Brune, H.A. *et al*, *Z. Naturforsch., B*, 1984, **39**, 1772 (*synth*, *ir*, *pmr*, *ms*)
- (Fluoromethyl)diphenylphosphine** **F-1-00043**
Ph₂PCH₂F
C₁₃H₁₂FP M 218.2
Oxide: [131581-39-0].
C₁₃H₁₂FOP M 234.2 Wittig-Horner reagent for *synth.* of fluoroalkenes from carbonyl compds. Solid. Mp 93-94°.
Edwards, M.L. *et al*, *Tet. Lett.*, 1990, **31**, 5571 (*synth*, *pmr*, *F-19 nmr*, *use*)
- 2-Fluoro-2-methyl-1-propanol, 9CI** **F-1-00044**
[3109-99-7]
(H₃C)₂CFCH₂OH
C₄H₉FO M 92.1
Liq. Bp 116-118°. *n*_D²⁰ 1.3975.
Ac:
C₆H₁₁FO₂ M 134.1 Liq. Bp₁₀ 58-59°. *n*_D²⁰ 1.3863.
Farges, G. *et al*, *Bull. Soc. Chim. Fr.*, 1963, 51 (*synth*)
Wiechert, K. *et al*, *Z. Chem.*, 1965, **5**, 380 (*synth*)
Limat, D. *et al*, *Annalen*, 1995, 849 (*Ac*)
- 1-Fluoro-4-nitro-2-(trifluoromethyl)benzene, 9CI** **F-1-00045**
α,α,α,2-Tetrafluoro-5-nitrotoluene. 2-Fluoro-5-nitrobenzotrifluoride
[400-74-8]
C₇H₃F₄NO₂ M 209.1
d 1.52. Bp₂₅ 105-110°, Bp_{4.5} 77-79°.
Finger, G.C. *et al*, *J.A.C.S.*, 1956, **78**, 6034 (*synth*)
Maggini, M. *et al*, *J.O.C.*, 1991, **56**, 6406 (*synth*)
- 1-Fluoro-4-nitro-3-(trifluoromethyl)benzene** **F-1-00046**
α,α,α,3-Tetrafluoro-6-nitrotoluene. 5-Fluoro-2-nitrobenzotrifluoride
C₇H₃F₄NO₂ M 209.1
Liq. Bp 198-199°.
Finger, G.C. *et al*, *J.A.C.S.*, 1944, **66**, 1972 (*synth*)
- 2-Fluoro-9-octadecenoic acid, 9CI** **F-1-00047**
H₃C(CH₂)₇CH=CH(CH₂)₆CHFCOOH
C₁₈H₃₃FO₂ M 300.4
(±)-*(Z)-form* [155056-28-3]
Cryst. (pentane). Mp 40.5-41.5°.
Oliver, J.E. *et al*, *Synthesis*, 1994, 273 (*synth*, *pmr*, *cmr*, *ms*)
- 4-Fluorooctanoic acid** **F-1-00048**
H₃C(CH₂)₃CHFCH₂CH₂COOH
C₈H₁₅FO₂ M 162.2
(±)-*form*
Oil.
Nagatsugi, F. *et al*, *Chem. Pharm. Bull.*, 1995, **43**, 607 (*synth*)
- 2-Fluoro-2-phenyladamantane** **F-1-00049**

C₁₆H₁₉F M 230.3
Solid.
Laube, T. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1773 (*synth*, *pmr*, *F-19 nmr*)
- 1-(2-Fluorophenyl)ethanol** **F-1-00050**
2-Fluoro-α-methylbenzenemethanol, 9CI. 2-Fluoro-α-methylbenzyl alcohol, 8CI
[445-26-1]
H₃CCHOH

C₈H₉FO M 140.1
Liq. Bp₄₀ 113-114°.
[155671-20-8]
Sianesi, D., *Gazz. Chim. Ital.*, 1959, **89**, 1749 (*synth*)
Buu-Hoi, N.P. *et al*, *J.O.C.*, 1962, **27**, 2669 (*synth*)
- 1-(3-Fluorophenyl)ethanol** **F-1-00051**
3-Fluoro-α-methylbenzenemethanol, 9CI. 3-Fluoro-α-methylbenzyl alcohol, 8CI
[402-63-1]
C₈H₉FO M 140.1
Liq. Bp₁₀ 104-106°.
[126534-32-5, 126534-33-6, 147164-51-0]
Sianesi, D., *Gazz. Chim. Ital.*, 1959, **89**, 1749 (*synth*)
- 4-(4-Fluorophenyl)-4-oxobutanoic acid** **F-1-00052**
4-Fluoro-γ-oxobenzenebutanoic acid, 9CI. 3-(4-Fluorobenzoyl)propionic acid, 8CI
[366-77-8]
COCH₂CH₂COOH

C₁₀H₉FO₃ M 196.1
Cryst. (EtOH). Mp 100-102°.
Et ester: [41310-80-9].
C₁₂H₁₃FO₃ M 224.2 Cryst. (C₆H₆/petrol). Mp 46-49°.
Aldrich Library of FT-IR Spectra, 1st edn., **2**, 157C.
Aldrich Library of NMR Spectra, 2nd edn., **2**, 144C.
Adcock, W. *et al*, *J.A.C.S.*, 1967, **89**, 386 (*synth*)
Sindelar, K. *et al*, *Coll. Czech. Chem. Comm.*, 1973, **38**, 3879 (*synth*, *pmr*, *ester*)
- 3-(4-Fluorophenyl)-2-oxopropanoic acid** **F-1-00053**
4-Fluoro-α-oxobenzenepranoic acid
[7761-30-0]
CH₂COCOOH

C₉H₇FO₃ M 182.1
Et ester:
C₁₁H₁₁FO₃ M 210.2 Liq.
Schuster, H.F. *et al*, *J. Het. Chem.*, 1994, **31**, 1381 (*synth*, *ir*, *pmr*)
- 2-Fluoropropanoic acid, 9CI** **F-1-00054**
[6087-13-4]
H₃CCHF₂COOH
C₃H₅FO₂ M 92.0
(±)-*form*
Liq. Bp 163°. Strongly hydrophilic; difficult to sep. from aq. solns.
Me ester: [94726-03-1].
C₄H₇FO₂ M 106.0 Liq. Bp 106.5-108.5°.
Et ester: [127306-59-6].
C₅H₉FO₂ M 120.1 Liq. Bp 122.5-123°.
Chloride: [159249-10-2].
C₃H₄ClFO M 110.5 Liq. Bp 80.5-81°.
Amide: [430-98-8].
C₃H₆FNO M 91.0 Cryst. Mp 75-76°.
Nitrile: [814-65-3]. *1-Cyano-1-fluoroethane*
C₃H₄FN M 73.0 Liq. Bp 83-83.5°.

[349-43-9, 430-97-7, 2366-56-5, 57965-29-4, 72959-94-5, 72959-95-6, 75244-22-3]

Gryszkiewicz-Trochimowski, E. *et al*, *Bull. Soc. Chim. Fr.*, 1949, 928 (synth)

Olah, G.A. *et al*, *Synthesis*, 1974, 652 (synth)

O'Hagon, D., *J. Fluorine Chem.*, 1989, **43**, 371 (synth)

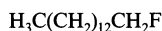
Sierra, T. *et al*, *J.A.C.S.*, 1992, **114**, 7645 (synth, ir, pmr)

Fritz-Langhals, E. *et al*, *Tet. Lett.*, 1993, **34**, 293 (synth, ir, pmr)

1-Fluorotetradecane, 9CI F-1-00055

Tetradecyl fluoride

[593-33-9]



$\text{C}_{14}\text{H}_{29}\text{F}$ M 216.3

d 0.83. Bp₂ 120.4°. n_D^{20} 1.4264.

Macey, W.A.T., *J. Phys. Chem.*, 1960, **64**, 254 (synth)

Watanabe, S. *et al*, *J. Am. Oil Chem. Soc.*, 1983, **60**, 1678; *CA*, **100**, 22317u (synth)

Crowder, G.A. *et al*, *J. Mol. Struct.*, 1983, **99**, 77 (ir)

Shimizu, M. *et al*, *Tet. Lett.*, 1985, **26**, 4207 (synth)

2-Fluoro-3-(trifluoromethyl) aniline F-1-00056

2-Fluoro-3-(trifluoromethyl)benzenamine, 9CI.

3-Amino-2-fluorobenzotrifluoride. $\alpha,\alpha,\alpha,2$ -

Tetrafluoro-m-toluidine

[123973-25-1]



$\text{C}_7\text{H}_5\text{F}_4\text{N}$ M 179.1

d 1.39. n_D^{20} 1.46.

Ger. Pat., 3 737 9866, (1989) (Bayer); *CA*, **111**, 232267f (synth)

2-Fluoro-5-(trifluoromethyl) aniline F-1-00057

3-Amino-4-fluorobenzotrifluoride. $\alpha,\alpha,\alpha,6$ -

Tetrafluoro-m-toluidine. 2-Fluoro-5-

(trifluoromethyl)benzenamine, 9CI

[535-52-4]

$\text{C}_7\text{H}_5\text{F}_4\text{N}$ M 179.1

d 1.38. Bp 188-190°, Bp₂₀ 81°. n_D^{20} 1.46.

Brown, J.H. *et al*, *J.C.S.*, 1949, 595, 599 (synth)

Finger, G.C. *et al*, *J.A.C.S.*, 1956, **78**, 6034, 6037 (synth)

Fifolt, M.J. *et al*, *J.O.C.*, 1989, **54**, 3019 (F-19 nmr)

4-Fluoro-2-(trifluoromethyl) aniline F-1-00058

4-Fluoro-2-(trifluoromethyl)benzenamine, 9CI.

$\alpha,\alpha,\alpha,4$ -Tetrafluoro-o-toluidine. 2-Amino-5-

fluorobenzotrifluoride

[393-39-5]

$\text{C}_7\text{H}_5\text{F}_4\text{N}$ M 179.1

d 1.38. Bp_{17.5} 70-72°, Bp₄₀ 89-90°.

N-Ac:

$\text{C}_9\text{H}_7\text{F}_4\text{NO}$ M 221.1 Needles (EtOH aq.). Mp 121-121.5°.

Finger, G.C. *et al*, *J.A.C.S.*, 1944, **66**, 1972.

Mulvey, D.M. *et al*, *Tet. Lett.*, 1978, 1419

(synth)

Fifolt, M.J. *et al*, *J.O.C.*, 1989, **54**, 3019 (F-19 nmr)

5-Fluoro-2-(trifluoromethyl) aniline F-1-00059

5-Fluoro-2-(trifluoromethyl)benzenamine, 9CI.

$\alpha,\alpha,\alpha,5$ -Tetrafluoro-o-toluidine, 8CI. 2-Amino-

4-fluorobenzotrifluoride

$\text{C}_7\text{H}_5\text{F}_4\text{N}$ M 179.1

N-Ac:

$\text{C}_9\text{H}_7\text{F}_4\text{NO}$ M 221.1 Mp 91-92°.

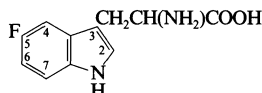
Yagupol'skii, L.M. *et al*, *Zh. Obshch. Khim.*,

1963, **33**, 2358; *J. Gen. Chem. USSR (Engl.*

Transl.), 1963, **33**, 2297 (synth)

5-Fluorotryptophan, 9CI F-1-00060

[343-91-9]



$\text{C}_{11}\text{H}_{11}\text{FN}_2\text{O}_2$ M 222.2

(±)-form [154-08-5]

Cryst. Mp 265° dec.

[16626-02-1, 97749-24-1]

Aldrich Library of FT-IR Spectra, 1st edn., **2**, 672D.

Aldrich Library of NMR Spectra, 2nd edn., **2**, 540C.

Hoffman, E. *et al*, *J. Het. Chem.*, 1965, **2**, 298 (synth)

Bentov, M. *et al*, *Isr. J. Chem.*, 1969, **7**, 835 (synth)

6-Fluorotryptophan, 9CI F-1-00061

[343-92-0]

$\text{C}_{11}\text{H}_{11}\text{FN}_2\text{O}_2$ M 222.2

(±)-form [7730-20-3]

Cryst. Mp 280-285° dec.

[19310-00-0, 108391-82-8]

Aldrich Library of FT-IR Spectra, 1st edn., **2**, 672C.

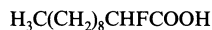
Aldrich Library of NMR Spectra, 2nd edn., **2**, 540B.

Bergmann, E.D. *et al*, *J.C.S.*, 1962, 2827 (synth)

Bentov, M. *et al*, *Isr. J. Chem.*, 1969, **7**, 835 (synth)

2-Fluoroundecanoic acid, 9CI F-1-00062

[10457-83-7]



$\text{C}_{11}\text{H}_{21}\text{FO}_2$ M 204.2

(±)-form [155056-26-1]

Cryst. (pentane or Me₂CO aq.). Mp 64-64.5° (61-62°).

Gershon, H. *et al*, *J. Med. Chem.*, 1967, **10**, 186

(synth)

Oliver, J.E. *et al*, *Synthesis*, 1994, 273 (synth, pmr, cmr, ms)

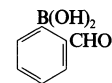
(2-Formylphenyl)boronic acid, F-1-00063

9CI

o-Formylbenzeneboronic acid, 8CI. (2-

Formylphenyl)dihydroxyborane

[40138-16-7]



$\text{C}_7\text{H}_7\text{BO}_3$ M 149.9

Benzodiazaborine derivs. prepd. from the

title compd. have bactericidal props.

Needles (H₂O); cryst. (MeNO₂). Spar. sol.

CCl₄, cyclohexane; mod. sol. toluene; v.

sol. hot H₂O. Mp 118-120° dec.

(dehydrates), Mp 163-165° (double Mp).

Torssell, K., *Ark. Kemi*, 1957, **10**, 507 (synth)

Snyder, H.R. *et al*, *J.A.C.S.*, 1958, **80**, 835

(synth)

Tschampel, P. *et al*, *J.O.C.*, 1964, **29**, 2168

(synth)

Ger. Pat., 1 670 494, (1976); *CA*, **86**, 90009n

(synth)

Ger. Pat., 2 533 918, (1977); *CA*, **87**, 23334x

(synth)

U.S. Pat., 4 199 573, (1980); *CA*, **93**, 186544d

(synth)

Yang, Y. *et al*, *J. Het. Chem.*, 1989, **26**, 865

(props)

Wytko, J.A. *et al*, *J.O.C.*, 1992, **57**, 1017 (synth,

pmr)

Scouten, W.H. *et al*, *J. Chem. Crystallogr.*,

1994, **24**, 621 (synth, pmr, cryst struct)

(3-Formylphenyl)boronic acid F-1-00064

m-Formylbenzeneboronic acid. (3-

Formylphenyl)dihydroxyborane

[87199-16-4]

$\text{C}_7\text{H}_7\text{BO}_3$ M 149.9

Cryst. (H₂O). Mp 112° dec. (dehydrates), Mp

180° approx. (double Mp).

Torssell, K., *Ark. Kemi*, 1957, **10**, 507 (synth)

(4-Formylphenyl)boronic acid F-1-00065

p-Formylbenzeneboronic acid. (4-

Formylphenyl)dihydroxyborane

[87199-17-5]

$\text{C}_7\text{H}_7\text{BO}_3$ M 149.9

Pale yellow needles (H₂O or MeCN). Mp

255-260°.

Torssell, K., *Ark. Kemi*, 1957, **10**, 507 (synth)

Snyder, H.R. *et al*, *J.A.C.S.*, 1958, **80**, 835

(synth)

Feulner, H. *et al*, *Chem. Ber.*, 1990, **123**, 1841

(synth, ir, cryst struct)

Jendrilla, H. *et al*, *Annalen*, 1995, 1253 (synth,

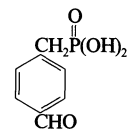
ms)

[(4-Formylphenyl)methyl] phosphonic acid F-1-00066

9CI

p-Formylbenzylphosphonic acid

[114496-50-3]

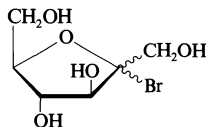


$\text{C}_8\text{H}_9\text{O}_4\text{P}$ M 200.1

Di-tert-butyl ester: [132541-47-0]. *Di-tert-butyl [(4-formylphenyl)methyl]phosphonate*. 4-[[Di(tert-butoxy)phosphinyl]methyl]benzaldehyde
 $C_{16}H_{25}O_4P$ M 312.3 Cryst. (petrol).
 Mp 60-63.5°.

Burke, T.R. *et al*, *J. Med. Chem.*, 1991, **34**, 1577 (*ester, synth, pmr*)
 Burke, T.R. *et al*, *J.O.C.*, 1993, **58**, 1336 (*ester*)

Fructofuranosyl bromide F-1-00067



$C_6H_{11}BrO_5$ M 243.0

D-form

Tetra-benzoyl: [54401-13-7].

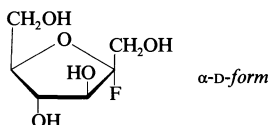
$C_{34}H_{27}BrO_9$ M 659.4 Syrup. $[\alpha]_D^{20}$ +40.3 (CHCl₃).

Helfferich, B. *et al*, *Chem. Ber.*, 1953, **86**, 651 (*tetra*-benzoyl)

Hrebabecky, H. *et al*, *Coll. Czech. Chem. Comm.*, 1974, **39**, 2115 (*tetra*-benzoyl)

Chretien, F. *et al*, *J.C.S. Perkin 1*, 1988, 3297 (*use*)

Fructofuranosyl fluoride F-1-00068



$C_6H_{11}FO_5$ M 182.1

alpha-*D*-form

Tetra-Ac: [58634-84-7].

$C_{14}H_{19}FO_9$ M 350.2 Syrup. $[\alpha]_D^{22}$ +45 (CHCl₃).

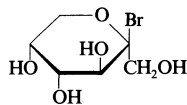
beta-*D*-form

Tetra-Ac: [475-02-5].

Syrup. $[\alpha]_D^{22}$ +36 (CHCl₃).

Erbing, B. *et al*, *Acta Chem. Scand., Ser. B*, 1976, **30**, 12 (*tetra*-Ac, *cmr*)

Fructopyranosyl bromide F-1-00069



$C_6H_{11}BrO_5$ M 243.0

beta-*D*-form

Tetra-Ac: [14218-13-4].

$C_{14}H_{19}BrO_9$ M 411.2 Cryst. (Et₂O).
 Mp 65°. $[\alpha]_D^{20}$ -189.1 (CHCl₃).

1,4,5-*Tribenzoyl*, 3-*mesyl*:

$C_{28}H_{25}BrO_{10}S$ M 633.4 Cryst. (Et₂O/pentane). Mp 157-158° dec. $[\alpha]_D^{20}$ -207 (c, 0.96 in CH₂Cl₂).

Tetrakis(*p*-nitrobenzoyl): [70551-21-2].

Cryst. (Et₂O/CHCl₃). Mp 162-163°. $[\alpha]_D^{25}$ -170 (c, 1.2 in CHCl₃).

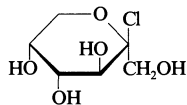
Brauns, D.H. *et al*, *J.A.C.S.*, 1923, **45**, 2381 (*beta*-*tetra*-Ac)

Yamana, S. *et al*, *J.O.C.*, 1966, **31**, 3698 (*beta*-*tetra*-Ac)

Ness, R.K. *et al*, *J.O.C.*, 1968, **33**, 181 (*beta*-*tribenzoyl*)

Steinlin, H. *et al*, *Helv. Chim. Acta*, 1979, **62**, 378 (*beta*-*tetranitrobenzoyl*, *pmr*, *cmr*)

Fructopyranosyl chloride F-1-00070



$C_6H_{11}ClO_5$ M 198.6

beta-*D*-form

Tetra-Ac: [14262-86-3].

$C_{14}H_{19}ClO_9$ M 366.7 Cryst. (EtOH).
 Mp 108°. $[\alpha]_D^{20}$ +45.3 (CHCl₃).

1,4,5-*Tribenzoyl*, 3-*mesyl*: [15080-06-5].

$C_{28}H_{25}ClO_{10}S$ M 589.0 Cryst. (Et₂O/pentane). Mp 161-163°. $[\alpha]_D^{20}$ -178 (c, 0.98 in CH₂Cl₂).

Tetra-benzoyl: [70551-23-4].

$C_{34}H_{27}ClO_9$ M 615.0 Liq. $[\alpha]_D^{25}$ -149.6 (c, 1.3 in CHCl₃).

Tetrakis(*p*-nitrobenzoyl): [70551-20-1].

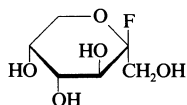
Cryst. (CH₂Cl₂/Et₂O). Mp 200-203°. $[\alpha]_D^{25}$ -193 (c, 1 in CHCl₃).

Brauns, D.H. *et al*, *J.A.C.S.*, 1920, **42**, 1846 (*beta*-*tetra*-Ac)

Ness, R.K. *et al*, *J.O.C.*, 1968, **33**, 181 (*beta*-*tribenzoyl*)

Steinlin, H. *et al*, *Helv. Chim. Acta*, 1979, **62**, 378 (*beta*-*tetranitrobenzoyl*, *ir*, *pmr*, *cmr*)

Fructopyranosyl fluoride F-1-00071



$C_6H_{11}FO_5$ M 182.1

beta-*D*-form

Tetra-Ac: [2823-45-2].

$C_{14}H_{19}FO_9$ M 350.2 Cryst. (EtOH).
 V. sol. CHCl₃; spar. sol. EtOH, petrol.
 Mp 112°. $[\alpha]_D^{20}$ -90.4 (CHCl₃). Stable at r.t.

Brauns, D.H. *et al*, *J.A.C.S.*, 1923, **45**, 2381 (*beta*-*tetra*-Ac)

Yamana, S. *et al*, *J.O.C.*, 1966, **31**, 3698 (*beta*-*tetra*-Ac)

3-Furanacetic acid F-1-00072

[123617-80-1]

$C_6H_6O_3$ M 126.1

Translucent plates (petrol). Mp 61.9-62.2°.

Et ester: [57393-62-1].

$C_8H_{10}O_3$ M 154.1 Bp₁₂ 83-85°.

Chloride:

$C_6H_5ClO_2$ M 144.5 Bp₃ 53°.

Amide:

$C_6H_7NO_2$ M 125.1 Feathery needles (C₆H₆/petrol). Mp 114-115°.

Nitrile: [68913-67-7]. 3-(Cyanomethyl)furan

C_6H_5NO M 107.1 Bp₁₉ 90-92°, Bp_{0.4} 46°. n_D^{17} 1.4733.

[62689-88-7]

Sherman, E. *et al*, *J.A.C.S.*, 1950, **72**, 2195

(*synth*, *chloride*, *amide*)

Pelletier, S.W. *et al*, *Tetrahedron*, 1975, **31**, 1659 (*ester, ir, pmr, ms*)

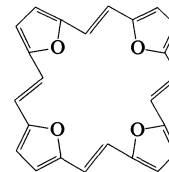
Arena, G. *et al*, *J.C.S. Perkin 2*, 1993, 1941 (*nitrile*)

[2.2.2.2](2,5)-Furanophanetetraene F-1-00073

Furanophanetetraene

25,26,27,28-

Tetraoxapentacyclo[20.2.1.1^{4,7}.1^{10,13}.1^{16,19}]octacos-2,4,6,8,10,12,14,16,18,20,22,24-dodecaene, 9Cl. [24]Annulene tetroxide. *Tetraoxaphorphyrinogen*[2.2.2.2]



(*E,E,E,E*)-form

$C_{24}H_{16}O_4$ M 368.3

(*E,E,E,E*)-form

Violet prisms. Mp 269-270°.

(*E,E,E,Z*)-form

Violet-black prisms. Mp 215-217°.

(*E,Z,E,Z*)-form [157750-37-3]

Black-violet cryst. Mp >300°. Air-stable. Forms the dication on oxidation.

Bis(perchlorate): [157643-31-7].

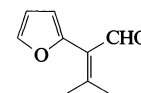
Microcrystalline blue powder with metallic sheen. Mp >300° dec.

Elix, J.A., *Aust. J. Chem.*, 1969, **22**, 1951 (*synth, uv*)

Märkl, G. *et al*, *Angew. Chem., Int. Ed.*, 1994, **33**, 1151 (*synth, uv, pmr, cmr, cryst struct*)

2-(2-Furanyl)-3-methyl-2-butenal F-1-00074

alpha-(1-Methylethylidene)-2-furanacetaldehyde, 9Cl. *alpha*-Isopropylidene-2-furanacetaldehyde [31681-28-4]



$C_9H_{10}O_2$ M 150.1

Constit. of the oil of *Papaver somniferum*.

Yellow liq. Bp₅ 89°.

Semicarbazone: [31681-29-5].

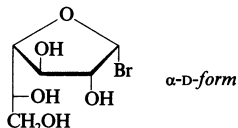
Mp 170°. Subl. 164°.

Dana, G. *et al*, *Bull. Soc. Chim. Fr.*, 1970, 3994 (*synth*)

Li, C. *et al*, *CA*, 1993, **118**, 165179 (*isol*)

G

Galactofuranosyl bromide G-1-00001



$C_6H_{11}BrO_5$ M 243.0

α -D-form

2,3-Dibenzoyl, 5-chloroacetyl, 6-pivaloyl:
[127501-12-6].

$C_{27}H_{28}BrClO_9$ M 611.8 Oil. Unstable at ambient temp.

β -D-form

Tetra-Ac: [39698-24-3].

$C_{14}H_{19}BrO_9$ M 411.2 Oil.

2,3-Di-O-benzyl, 5,6-bis-(4-nitrobenzoyl):

[55656-71-8].

$C_{34}H_{29}BrN_2O_{11}$ M 721.5 Amorph.

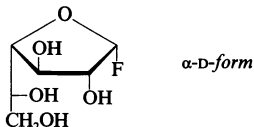
solid. $[\alpha]_D^{25} - 59.4$ (c, 1.2 in $CHCl_3$).

Bock, K. *et al*, *Acta Chem. Scand., Ser. B*, 1974, **28**, 1041 (β -tetra-Ac)

Frechet, J.M.J. *et al*, *Can. J. Chem.*, 1975, **53**, 670 (β -deriv)

Veeneman, G.H. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1989, **108**, 344 (α -deriv, pmr, cmr)

Galactofuranosyl fluoride G-1-00002



$C_6H_{11}FO_5$ M 182.1

α -D-form

Tetra-Ac: [51785-55-8].

$C_{14}H_{19}FO_9$ M 350.2 Syrup.

β -D-form

Tetra-Ac: [51785-54-7].

Cryst. (Et_2O /pentane). Mp 76-77°. $[\alpha]_D^{24} - 15.2$ (c, 1.5 in $CHCl_3$).

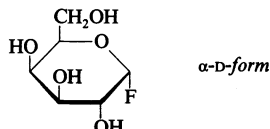
Tetrabenzoyl: [51785-56-9].

$C_{34}H_{27}FO_9$ M 598.5 Cryst. Mp 110-111°. $[\alpha]_D^{24} + 14.9$ (c, 1.6 in $CHCl_3$).

Bock, K. *et al*, *Acta Chem. Scand.*, 1973, **27**, 3586 (α -tetra-Ac, β -tetra-Ac, β -tetrabenzoyl, pmr, F-19 nmr)

Voznyi, Y.V. *et al*, *Bioorg. Khim.*, 1986, **12**, 521; *Sov. J. Bioorg. Chem. (Engl. Transl.)*, 1986, **12**, 277 (β -tetra-Ac)

Galactopyranosyl fluoride G-1-00003



$C_6H_{11}FO_5$ M 182.1

α -D-form

Tetra-Ac: [4163-44-4].

$C_{14}H_{19}FO_9$ M 350.2 Cryst. (Et_2O /heptane). Mp 67-68°. $[\alpha]_D^{25} + 106.6$ (c, 0.84 in $CHCl_3$).

Tetrabenzyl: [94898-43-8].

$C_{34}H_{35}FO_9$ M 542.6 Syrup.

β -D-form

Tetra-Ac: [4163-45-5].

Cryst. (Et_2O). Mp 103-104° (98-99°). $[\alpha]_D^{18} + 22$ ($CHCl_3$).

Hall, L.D. *et al*, *Can. J. Chem.*, 1969, **47**, 1 (tetra-Ac, pmr, F-19 nmr)

Bock, K. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 682 (cmr, F-19 nmr)

Voznij, Y.V. *et al*, *Carbohydr. Res.*, 1984, **132**, 339 (tetra-Ac)

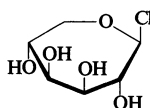
Ger. Pat., 3 528 654, (1987); *CA*, **106**, 156814m (tetra-Ac)

Ger. Pat., 3 626 028, (1987); *CA*, **107**, 176407e (tetra-Ac)

Thiem, J. *et al*, *Synthesis*, 1988, 124 (tetrabenzyl)

Eur. Pat., 298 438, (1989); *CA*, **112**, 75339g (synth)

Galactoseptanosyl chloride G-1-00004



$C_6H_{11}ClO_5$ M 198.6

β -D-form

Syrup. $[\alpha]_D^{19} - 79.5$ ($CHCl_3$).

Tetra-Ac:

$C_{14}H_{19}ClO_9$ M 366.7 Cryst. (Et_2O).

Mp 108°. $[\alpha]_D^{20} + 170$ (c, 1.0 in $CHCl_3$).

Micheel, F. *et al*, *Annalen*, 1933, **507**, 138 (tetra-Ac)

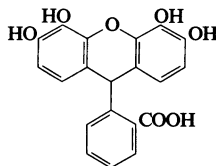
Gallin G-1-00005

2-(3,4,5,6-Tetrahydroxy-9H-xanthen-9-yl)

benzoic acid, 9Cl. 9-(2-Carboxyphenyl)-

3,4,5,6-tetrahydroxyxanthene

[54750-05-9]



$C_{20}H_{14}O_7$ M 366.3

Triphenylmethane dye. Inhibitor of *Escherichia coli* ribonucleic acid polymerase.

Liao, L.L. *et al*, *Biochemistry*, 1974, **13**, 1331.

Liao, L.-L. *et al*, *J. Med. Chem.*, 1975, **18**, 117.

Glycerol 1,2-dihexadecanoate 3-phosphocholine G-1-00006

Updated Entry replacing G-0-00393

Dipalmitoylphosphatidylcholine. 1,2-

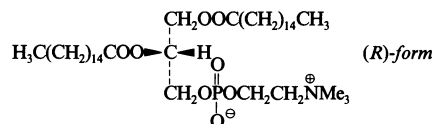
Dihexadecanoylglycero-3-phosphocholine. 1,2-

Dipalmitoylglycero-3-phosphocholine.

Colfosceril palmitate, BAN, INN, USAN.

Exosurf. Surfexo. Dipalmitoyllecithin

[2644-64-6]



$C_{40}H_{80}NO_8P$ M 734.0

Surfactant. Launched 1994 (UK). Mixt. with 2-oleoyl-1-palmitoylglycero(3)phospho(1) glycerol also used (Pumactant, BAN), (ALEC).

(R)-form [63-89-8]

L-form. 129 Y83

Mp 235-236°. $[\alpha]_D^{25} + 7.0$ (c, 5.6 in $CHCl_3$).

[2797-68-4, 35418-55-4]

Baer, E. *et al*, *J.A.C.S.*, 1952, **74**, 158 (synth)

Brandt, A.E. *et al*, *Biochim. Biophys. Acta*,

1967, **144**, 605 (synth)

Vilallonga, F., *Biochim. Biophys. Acta*, 1968,

163, 290 (props)

Saunders, D.R. *et al*, *Biochim. Biophys. Acta*,

1969, **176**, 828 (props)

Klein, R.A., *J. Lipid Res.*, 1971, **12**, 123 (ms)

Ghosh, D. *et al*, *Biochim. Biophys. Acta*, 1972,

266, 41.

Birdsall, N.J.M. *et al*, *J.C.S. Perkin 2*, 1972,

1441 (conformn, pmr, cmr)

Gordon, D.T. *et al*, *Lipids*, 1972, **7**, 261 (synth)

Bunow, M.R. *et al*, *Biochim. Biophys. Acta*,

1977, **489**, 191 (Raman)

Urabe, T. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*,

1981, **78**, 4941.

Regen, S.L. *et al*, *J.A.C.S.*, 1982, **104**, 791

(synth)

Hansen, W.J. *et al*, *Lipids*, 1982, **17**, 453 (synth)

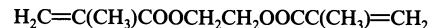
Dekker, C.J. *et al*, *Chem. Phys. Lipids*, 1983, **33**,

93 (synth, props)

Lindh, I. *et al*, *J.O.C.*, 1989, **54**, 1338 (synth)

Dechant, K.L. *et al*, *Drugs*, 1991, **42**, 877 (rev)

Glycol dimethacrylate G-1-00007



$C_{16}H_{14}O_4$ M 198.2

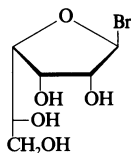
Monomer. Liq. d 1.05. Bp_{0.18} 58°. n_D^{20} 1.4549.

Walling, C., *J.A.C.S.*, 1945, **67**, 441.

Loshack, S. *et al*, *J.A.C.S.*, 1953, **75**, 3544.

Gulofuranosyl bromide

G-1-00008



$C_6H_{11}BrO_5$ M 243.0

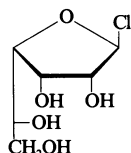
β -D-form

2,3:5,6-Di-O-(ethylboranediyl): [81975-74-8].
 $C_{10}H_{17}B_2BrO_5$ M 318.7 Pale yellow syrup.

Dahlhoff, W.V. *et al*, *Heterocycles*, 1982, **18**, 421 (*deriv, ms, cmr, B-11 nmr*)

Gulofuranosyl chloride

G-1-00009



$C_6H_{11}ClO_5$ M 198.6

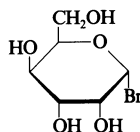
β -D-form

2,3:5,6-Di-O-isopropylidene: [16136-64-4].
 $C_{12}H_{19}ClO_5$ M 278.7 Viscous oil.
 Bp_{2.6} 127°. $[\alpha]_D^{25}$ -40.2 (c, 9.6 in $CHCl_3$).

Lerner, L.M. *et al*, *J.O.C.*, 1968, **33**, 1780 (*diisopropylidene, pmr*)

Gulopyranosyl bromide

G-1-00010



α -D-form

$C_6H_{11}BrO_5$ M 243.0

α -D-form

Tetra-Ac: [72002-90-5].
 $C_{14}H_{19}BrO_9$ M 411.2 Syrup.

β -L-form

Tetra-Ac: [78418-57-2].
 Syrup.

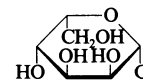
Shah, R.H. *et al*, *Carbohydr. Res.*, 1979, **74**, 105 (α -tetra-Ac, reactions)

Jacobsen, S. *et al*, *Acta Chem. Scand., Ser. B*, 1981, **35**, 163 (α -tetra-Ac)

Pozsgay, V. *et al*, *J.O.C.*, 1981, **46**, 3761 (β -tetra-Ac)

Gulopyranosyl chloride

G-1-00011



$C_6H_{11}ClO_5$ M 198.6

β -L-form

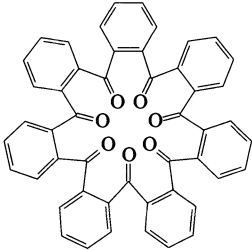
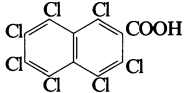
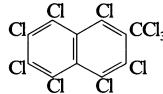
3,4,6-Tribenzyl, 2-Ac: [78355-27-8].

$C_{29}H_{31}ClO_6$ M 511.0 Plates. Mp 79-80°. $[\alpha]_D^{25}$ +58.4 (c, 0.5 in $CHCl_3$).

Pozsgay, V. *et al*, *J.O.C.*, 1981, **46**, 3761 (*tribenzyl deriv*)

Katano, K. *et al*, *J.O.C.*, 1985, **50**, 5807 (*tribenzyl deriv, pmr*)

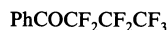
H

- Hectane, 9Cl** **H-1-00001**
Decacontane
 [6703-98-6]
 $\text{H}_3\text{C}(\text{CH}_2)_{98}\text{CH}_3$
 $\text{C}_{100}\text{H}_{202}$ M 1404.6
 Longest defined hydrocarbon described at least up to 1973. Plates (butyl acetate). Mp 115.1-115.4°.
 Stållberg, G. *et al*, *Acta Chem. Scand.*, 1952, **6**, 313 (*synth*)
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9, 9,10,10,10-Heneicosafuorodecane, 8Cl** **H-1-00002**
1H-Perfluorodecane
 [375-97-3]
 $\text{F}_3\text{C}(\text{CF}_2)_8\text{CF}_2\text{H}$
 $\text{C}_{10}\text{HF}_{21}$ M 520.0
 Mp 31-33°. Bp 159-160°.
 U.S. Pat., 2 490 764, (1949); *CA*, **44**, 3003g.
- 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10-Heneicosafuoro-10-iododecane** **H-1-00003**
Perfluorodecyl iodide
 [423-62-1]
 $\text{F}_3\text{C}(\text{CF}_2)_8\text{CF}_2\text{I}$
 $\text{C}_{10}\text{F}_{21}\text{I}$ M 645.9
 Mp 65-67°. Bp 195-200°, Bp₄₅ 102-106°.
Aldrich Library of FT-IR Spectra, 1st edn., **3**, 130D.
 Haszeldine, R.N., *J.C.S.*, 1953, 3761 (*synth, uv*)
 U.S. Pat., 3 404 189, (1968); *CA*, **70**, 11105 (*synth*)
- 5H-Heptabenz[o,a,d,g,j,m,p,s] cycloheicosene-5,10,15,20,25,30,35-heptone, 9Cl** **H-1-00004**
[1,7]Orthocyclophaneheptaone
 [154618-96-9]

 $\text{C}_{49}\text{H}_{28}\text{O}_7$ M 728.7
 The nonaone ring system has also been prepd. Mp 252-253°.
 Lee, W.Y. *et al*, *J.O.C.*, 1994, **59**, 878 (*synth, cryst struct, ir, pmr, cmr, ms*)
- 1,3,4,5,6,7,8-Heptachloro-2-naphthalenecarboxylic acid, 9Cl** **H-1-00005**
Perchloro-2-naphthoic acid
 [163399-24-4]

 $\text{C}_{11}\text{HCl}_7\text{O}_2$ M 413.2
 Needles (Et₂O/hexane or by subl.). Mp 219-221°.
Me ester: [163399-25-5].
 $\text{C}_{12}\text{H}_3\text{Cl}_7\text{O}_2$ M 427.3 Dimorphic
 cryst. (hexane). Mp 96-97° (prisms), Mp 116.5-117.5° (needles).
 Carilla, J. *et al*, *J.O.C.*, 1995, **60**, 2721 (*synth, ir, uv, pmr, cmr*)
- 1,2,3,4,5,6,8-Heptachloro-7-(trichloromethyl)naphthalene, 9Cl** **H-1-00006**
Perchloro-2-methylnaphthalene
 [150986-19-9]

 $\text{C}_{11}\text{Cl}_{10}$ M 486.6
 Highly strained non-planar struct. Yellow prisms (hexane). Mp 119-120°.
 Carilla, J. *et al*, *J.O.C.*, 1995, **60**, 2721 (*synth, ir, uv, cmr, cryst struct*)
- 1,18-Heptacosadiene** **H-1-00007**
 $\text{H}_3\text{C}(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_{15}\text{CH}=\text{CH}_2$
 $\text{C}_{27}\text{H}_{52}$ M 376.7
(E)-form [104899-45-8]
 Isol. from the green alga *Botryococcus braunii*.
(Z)-form [104899-40-3]
 Isol. from *B. braunii*.
 Metzger, P. *et al*, *Phytochemistry*, 1986, **25**, 1869; 1993, **33**, 1125 (*isol, pmr, cmr*)
- 1,17-Heptadecanediol, 9Cl** **H-1-00008**
 [66577-59-1]
 $\text{HOCH}_2(\text{CH}_2)_{15}\text{CH}_2\text{OH}$
 $\text{C}_{17}\text{H}_{36}\text{O}_2$ M 272.4
 Occurs in leaf cutin of *Limonia acidissima*.
 Cryst. (C₆H₆). Mp 96-96.5° (93-94°). Bp₂ 204-205°.
 Chuit, P. *et al*, *Helv. Chim. Acta*, 1929, **12**, 850 (*synth*)
 Percec, V. *et al*, *Macromolecules*, 1990, **23**, 3509 (*synth, pmr*)
 Patwardhan, S.A., *Org. Prep. Proced. Int.*, 1994, **26**, 647 (*rev*)
- 2,4-Heptadecanedione, 9Cl** **H-1-00009**
 [64042-18-8]
 $\text{H}_3\text{C}(\text{CH}_2)_{12}\text{COCH}_2\text{COCH}_3$
 $\text{C}_{17}\text{H}_{32}\text{O}_2$ M 268.4
 Acetogenin. Constit. of *Ruta graveolens* and the alga *Caulocystis cephalornithos*. Also found in various mammalian tissues. Oil.
 Douglas, D.E. *et al*, *Lipids*, 1977, **12**, 635 (*synth*)
 Douglas, D.E. *et al*, *Can. J. Biochem.*, 1978, **56**, 691 (*occur*)
 Tattje, D.H.E. *et al*, *Pharm. Weekbl.*, 1978, **113**, 1169 (*isol*)
 Amico, V. *et al*, *J. Nat. Prod.*, 1990, **53**, 1379 (*isol*)
- 10-Heptadecen-1-ol, 9Cl** **H-1-00010**
 [129396-63-0]
 $\text{H}_3\text{C}(\text{CH}_2)_5\text{CH}=\text{CH}(\text{CH}_2)_8\text{CH}_2\text{OH}$
 $\text{C}_{17}\text{H}_{34}\text{O}$ M 254.4
(Z)-form [73010-83-0]
 Oil. Bp_{0.001} 100°.
 Pfeifer, J. *et al*, *Annalen*, 1995, 131 (*synth, ir, pmr, cmr*)
- 16-Heptadecen-1-ol, 9Cl** **H-1-00011**
 [59396-42-8]
 $\text{H}_2\text{C}=\text{CH}(\text{CH}_2)_{14}\text{CH}_2\text{OH}$
 $\text{C}_{17}\text{H}_{34}\text{O}$ M 254.4
 Fluffy cryst. (hexane). Mp 32-33°, Mp 44.5-45.5°.
 Kung, H.F. *et al*, *Nucl. Med. Biol.*, 1991, **18**, 215; *CA*, **114**, 243537g (*synth, pmr, ir, ms*)
 Cloux, R. *et al*, *Synthesis*, 1993, 909 (*synth, ir, pmr, cmr, ms*)
- 2,2,3,3,4,4,4-Heptafluoro-1-butylamine** **H-1-00012**
 [374-99-2]
 $\text{F}_3\text{CCF}_2\text{CF}_2\text{CH}_2\text{NH}_2$
 $\text{C}_4\text{H}_4\text{F}_7\text{N}$ M 199.0
 d 1.49. Bp 70-71°, Bp₁₁₅ 24°. n_D^{20} 1.298.
Hydrochloride: [2794-75-4].
 Mp 130-135° subl.
Ac:
 $\text{C}_6\text{H}_6\text{F}_7\text{NO}$ M 241.1 Mp 51-52°.
 UK Pat., 717 232, (1954); *CA*, **49**, 12531f.
 Ellzey, S.E. *et al*, *J.O.C.*, 1965, **30**, 3945 (*synth*)
- 3,3,4,4,5,5-Heptafluoro-1-pentene, 9Cl, 8Cl** **H-1-00013**
 [355-08-8]
 $\text{F}_3\text{CCF}_2\text{CF}_2\text{CH}=\text{CH}_2$
 $\text{C}_5\text{H}_3\text{F}_7$ M 196.0
 d 1.34. Bp 30-31°. n_D^{20} 1.2752.
 Pierce, O.R. *et al*, *J.A.C.S.*, 1953, **75**, 5618.
 Tarrant, P. *et al*, *J.A.C.S.*, 1957, **79**, 6536.

Durrell, W. *et al*, *J.O.C.*, 1960, 25, 1662.
Burton, D.J. *et al*, *J. Fluorine Chem.*, 1988, 38, 119.

2,2,3,3,4,4,4-Heptafluoro-1-phenyl-1-butanone H-1-00014

l-Benzoyl-1,1,2,2,3,3,3-heptafluoropropane
[559-91-1]



$\text{C}_{10}\text{H}_5\text{F}_7\text{O}$ M 274.1
 Bp_{740} 173-174°. n_D^{20} 1.4130.

2,4-Dinitrophenylhydrazone: Mp 86-87°.
Semicarbazone: Mp 133-135°.

Simons, J.H. *et al*, *J.A.C.S.*, 1953, 75, 5621.
McBee, E.T., *J.A.C.S.*, 1955, 77, 917.
Dishart, K.T., *J.A.C.S.*, 1956, 78, 2268 (*synth*)
Griffin, C.E., *Spectrochim. Acta*, 1960, 16, 1464 (*ir*)

1,1,1,2,3,3,3-Heptafluoropropane, 9CI H-1-00015

Apafurane, INN
[431-89-0]



C_3HF_7 M 170.0

Diagnostic agent. Used as a propellant in pharmaceutical aerosol sprays. Gas. Bp -8° to -7° .

Aldrich, P.E. *et al*, *J.O.C.*, 1963, 28, 184 (*synth*)
Andreades, S., *J.A.C.S.*, 1964, 86, 2003 (*synth*, *F-19 nmr*)

Naae, D.G. *et al*, *Org. Mass Spectrom.*, 1974, 9, 1203 (*ms*)

Salvi-Narkhede, M. *et al*, *J. Chem. Thermodyn.*, 1992, 24, 1065 (*props*)

Pat. Coop. Treaty (WIPO), 93 11 743, (1993) (*Glaxo*); *CA*, 119, 80264c (*use*)

3-Hepten-1-yne, 9CI H-1-00016

[2806-40-8]



C_7H_{10} M 94.1

(*E*)-*form* [764-58-9]

Liq. Bp 107°, Bp_{164} 64.3°. n_D^{20} 1.4493.

(*Z*)-*form* [764-57-8]

Liq. Bp 100-101°, Bp_{251} 66.2-66.3°. n_D^{20} 1.4437.

Butenandt, A. *et al*, *Annalen*, 1962, 658, 39 (*synth*, *uv*, *ir*)

Montijn, P.P. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1964, 83, 456 (*synth*, *ir*)

Hearn, J. *Magn. Reson.*, 1976, 22, 521 (*cmr*)

Carpita, A. *et al*, *Synth. Commun.*, 1994, 24, 2281 (*synth*, *pmr*)

4-Hepten-6-yn-1-ol H-1-00017

[134225-67-5]



$\text{C}_7\text{H}_{10}\text{O}$ M 110.1

Incorr. called 4-en-5-yne in the ref. (*Z*)-*form* prepd. $\text{Bp}_{0.05}$ 68°. Bp refers to a mixture of isomers.

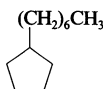
[135511-16-9, 135511-17-0]

Klusener, P.A.A. *et al*, *J. Organomet. Chem.*, 1991, 409, 67.

Crombie, L. *et al*, *J.C.S. Perkin 1*, 1994, 673 (*synth*, *uv*, *pmr*)

Heptylcyclopentane H-1-00018

l-Cyclopentylheptane



$\text{C}_{12}\text{H}_{24}$ M 168.3

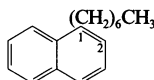
d^{20}_{40} 0.801. Fp -53° . Bp 224°, Bp_{10} 95°. n_D^{20} 1.4421.

Adv. Chem. Ser., 1955, 15, 385 (*props*)

1-Heptylnaphthalene H-1-00019

l-(1-Naphthalenyl)heptane

[2876-52-0]



$\text{C}_{17}\text{H}_{22}$ M 226.3

Liq. d^{20}_{40} 0.949. Fp -8° . Bp 340°, Bp_1 133-139°. n_D^{20} 1.5582.

Adv. Chem. Ser., 1955, 15, 226 (*props*)

2-Heptylnaphthalene H-1-00020

l-(2-Naphthalenyl)heptane

[2876-45-1]

$\text{C}_{17}\text{H}_{22}$ M 226.3

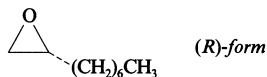
d^{20}_{40} 0.941. Fp 1° . Bp 341°, Bp_1 134.6°. n_D^{20} 1.5556.

Adv. Chem. Ser., 1955, 15, 227 (*props*)

Heptyloxirane, 9CI H-1-00021

l,2-Epoxyonane, 8CI

[2984-50-1]



$\text{C}_9\text{H}_{18}\text{O}$ M 142.2

(*R*)-*form* [130466-96-5]

Liq. Bp_{15} 76-78°. $[\alpha]_D^{20}$ +8.1 (c, 1 in CHCl_3) (96% ee).

(*S*)-*form* [109856-84-0]

Liq. Bp_{15} 77-79°. $[\alpha]_D^{20}$ -8.6 (c, 1 in CHCl_3) (97% ee).

(±)-*form* [152517-46-9]

Liq. Bp_{13} 75°. n_D^{20} 1.4235.

Rothstein, B., *Bull. Soc. Chim. Fr.*, 1935, 2, 1936 (*synth*)

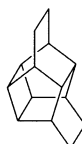
George, D.A. *et al*, *J. Chem. Eng. Data*, 1975, 20, 445 (*ms*)

Sadhu, K.M. *et al*, *Tet. Lett.*, 1986, 27, 795 (*synth*, *cmr*)

Haase, B. *et al*, *Tetrahedron: Asymmetry*, 1993, 4, 1017 (*asymm synth*)

Müller, C. *et al*, *Annalen*, 1995, 677 (*synth*)

Hexacyclo[6.4.2.0^{2,7}.0^{3,11}.0^{6,10}.0^{9,12}]tetradecane H-1-00022



$\text{C}_{14}\text{H}_{18}$ M 186.2

Cryst. Mp 91-92°.

Takeshita, H. *et al*, *J.O.C.*, 1994, 59, 6490 (*synth*, *pmr*, *cmr*, *ms*, *ir*)

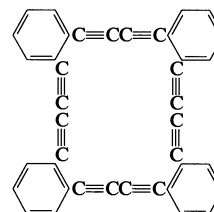
5,6,7,8,13,14,15,16,21,23,24,29,30,31,32- H-1-00023

Hexadecadehydrotetrabenzo

[a,g,m,s]cyclootetracosene, 9CI

1,2:7,8:13,14:19,20-Tetrabenzocyclootetracosane-1,7,13,19-tetraene-3,5,9,11,15,17,21,23-octayne

[155587-92-1]



$\text{C}_{40}\text{H}_{16}$ M 496.5
Cryst.

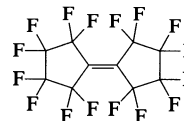
Guo, L. *et al*, *Chem. Comm.*, 1994, 243 (*synth*, *cryst struct*, *pmr*, *cmr*)

Hexadecafluorobicyclopentylidene H-1-00024

Octafluoro(octafluorocyclopentylidene)

cyclopentane, 9CI. Perfluorobicyclopentylidene

[49851-76-5]



$\text{C}_{10}\text{F}_{16}$ M 424.0
Bp 127°.

Chambers, R.D. *et al*, *J.C.S. Perkin 1*, 1973, 1710.

Smart, B.E. *et al*, *J.A.C.S.*, 1986, 108, 4905.

Hexadecafluorodecanedioic acid H-1-00025

Perfluorosebacic acid

[307-78-8]



$\text{C}_{10}\text{H}_2\text{F}_{16}\text{O}_4$ M 490.0

Mp 160-161°.

Di-Me ester: [4590-24-3].

$\text{C}_{12}\text{H}_6\text{F}_{16}\text{O}_4$ M 518.1 Bp 261°.

Di-Et ester: [423-91-6].

$\text{C}_{14}\text{H}_{10}\text{F}_{16}\text{O}_4$ M 546.2 Bp₅ 118-120°.

Dichloride: [1766-23-0].

$\text{C}_{10}\text{Cl}_2\text{F}_{16}\text{O}_2$ M 526.9 Mp 29-30°. Bp_{23} 101-103°.

Diamide: [307-77-7].

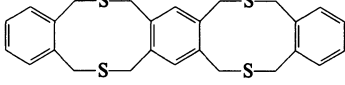
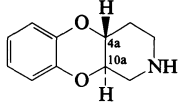
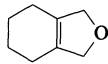
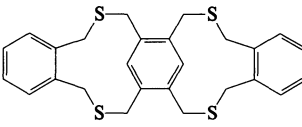
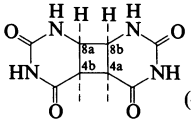
$\text{C}_{10}\text{H}_4\text{F}_{16}\text{N}_2\text{O}_2$ M 488.1 Cryst. (EtOH). Mp 239-241°.

Dinitrile: [2342-09-8].

$\text{C}_{10}\text{F}_{16}\text{N}_2$ M 452.0 Bp 147-148°.

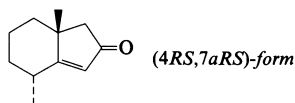
Knunyants, I.L. *et al*, *Izv. Akad. Nauk SSSR, Otd. Khim. Nauk*, 1961, 1462; *CA*, 56, 302i; 1963, 190; *CA*, 58, 10072d (*synth*, *derivs*)

Ward, R.B., *J.O.C.*, 1965, 30, 3009 (*diamide*)

- McLoughlin, V.C.R., *Tet. Lett.*, 1968, 4761 (*Di-Me ester*)
 Robinson, I.M. *et al*, *Macromolecules*, 1983, **16**, 526 (*Di-Me ester, ms*)
- 15-Hexadecen-1-ol, 9CI** **H-1-00026**
 [88591-06-4]
 $\text{H}_2\text{C}=\text{CH}(\text{CH}_2)_{13}\text{CH}_2\text{OH}$
 $\text{C}_{16}\text{H}_{32}\text{O}$ M 240.4
 Solid (hexane). Mp 37-38°. *Ac.* [85359-73-5].
 $\text{C}_{18}\text{H}_{34}\text{O}_2$ M 282.4 Liq. n_D^{20} 1.4558.
 Cloux, R. *et al*, *Synthesis*, 1992, 409; 1993, 909 (*synth, Ac, ir, pmr, cmr, ms*)
- Hexadecylphosphonic acid** **H-1-00027**
1-Phosphonohexadecane. 1-Hexadecanephosphonic acid
 [4721-17-9]
 $\text{H}_3\text{C}(\text{CH}_2)_{15}\text{P}(\text{O})(\text{OH})_2$
 $\text{C}_{16}\text{H}_{35}\text{O}_3\text{P}$ M 306.4
 Solid. Mp 94.5-95.5°. *Dibutyl ester: Dibutyl hexadecylphosphonate*
 $\text{C}_{24}\text{H}_{51}\text{O}_4\text{P}$ M 418.6 Liq. d_4^{25} 0.91.
 Bp_2 226-228°. n_D^{25} 1.4481.
Di-Ph ester: Diphenyl hexadecylphosphonate
 $\text{C}_{28}\text{H}_{43}\text{O}_3\text{P}$ M 458.6 Cryst. (pentane).
 Mp 49.5-51°. $\text{Bp}_{0.01}$ 215°. *Dichloride*: [4708-00-3].
 $\text{C}_{16}\text{H}_{33}\text{Cl}_2\text{OP}$ M 343.3 Solid or liq.
 Mp 20-21°. Bp_2 178-180°.
 Kosolapoff, G.M., *J.A.C.S.*, 1945, **67**, 1180.
 Laughton, R.C., *J.O.C.*, 1962, **27**, 3664 (*dibutyl ester*)
 Feshchenko, N.G. *et al*, *Zh. Obshch. Khim.*, 1967, **37**, 473; *J. Gen. Chem. USSR (Engl. Transl.)*, 1967, **37**, 441 (*dichloride*)
 Dietze, U., *J. Prakt. Chem.*, 1974, **316**, 293 (*ir*)
- 4,5-Hexadien-1-amine, 9CI** **H-1-00028**
6-Amino-1,2-hexadiene
 [166303-35-1]
 $\text{H}_2\text{C}=\text{C}=\text{CHCH}_2\text{CH}_2\text{CH}_2\text{NH}_2$
 $\text{C}_6\text{H}_{11}\text{N}$ M 97.1
 Bp 95-100°. Shaw, R.W. *et al*, *J.C.S. Perkin 1*, 1994, 3549 (*synth, pmr*)
- 1,1,1,6,6,6-Hexafluoro-2,5-bis(trifluoromethyl)-2,3,4-hexatriene** **H-1-00029**
Tetrakis(trifluoromethyl)butatriene. Perfluorobutatriene
 $(\text{F}_3\text{C})_2\text{C}=\text{C}=\text{C}=\text{C}(\text{CF}_3)_2$
 C_8F_{12} M 324.0
 Warrenner, R.N. *et al*, *Tet. Lett.*, 1976, 2639.
- 1,1,2,2,3,3-Hexafluoro-1,3-diphenylpropane, 8CI** **H-1-00030**
1,1'-(1,1,2,2,3,3-Hexafluoro-1,3-propanediyl) bisbenzene, 9CI
 [2647-96-3]
 $\text{PhCF}_2\text{CF}_2\text{CF}_2\text{Ph}$
 $\text{C}_{15}\text{H}_{10}\text{F}_6$ M 304.2
- Liq. Bp_5 133°. U.K. Pat., 1 156 912, (1969); *CA*, **71**, 80905c (*manuf*)
 Cotter, J.L., *Org. Mass Spectrom.*, 1973, **7**, 11 (*ms*)
 Brel, V.K. *et al*, *J.O.C.*, 1993, **58**, 6922 (*synth, pmr, F-19 nmr, ms*)
- 1,1,1,3,3,3-Hexafluoro-2-hydroxy-2-propanephosphonic acid** **H-1-00031**
[(2,2,2-Trifluoro-1-hydroxy-1-trifluoromethyl)ethyl]phosphonic acid
 [125240-11-1]
 $(\text{F}_3\text{C})_2\text{C}(\text{OH})\text{P}(\text{O})(\text{OH})_2$
 $\text{C}_3\text{H}_3\text{F}_6\text{O}_4\text{P}$ M 248.0
 Cryst. + 4H₂O. Mp 94°. *Di-Me ester*: [27375-65-1]. *Dimethyl [(2,2,2-trifluoro-1-hydroxy-1-trifluoromethyl)ethyl]phosphonate*
 $\text{C}_5\text{H}_7\text{F}_6\text{O}_4\text{P}$ M 276.0 Liq. $\text{Bp}_{0.2}$ 31°. *Bis(trimethylsilyl) ester*: [125240-07-5]. *Bis(trimethylsilyl) [(2,2,2-trifluoro-1-hydroxy-1-trifluoromethyl)ethyl]phosphonate*
 $\text{C}_9\text{H}_{19}\text{F}_6\text{O}_4\text{PSi}_2$ M 392.3 Solid. Mp 80°. Heine, J. *et al*, *Chem.-Ztg.*, 1989, **113**, 186 (*synth, ir, ms, pmr, F-19 nmr, P-31 nmr*)
- 1,1,1,3,3,3-Hexafluoro-2-methyl-2-propanol, 9CI, 8CI** **H-1-00032**
1,1-Bis(trifluoromethyl)ethanol. Hexafluoro-2-methylisopropanol
 [1515-14-6]
 $\text{H}_3\text{CC}(\text{CF}_3)_2\text{OH}$
 $\text{C}_4\text{H}_4\text{F}_6\text{O}$ M 182.0
 Bp 60°. n_D^{20} 1.2970. *Trifluoroacetyl*: [42031-16-3].
 $\text{C}_6\text{H}_3\text{F}_9\text{O}_2$ M 278.0 Mp 65°. Knunyants, I.L. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1961, 1471; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1961, 1370.
 Howard, E.G. *et al*, *J.A.C.S.*, 1967, **89**, 1422 (*synth, F-19 nmr, pmr*)
 Majid, A. *et al*, *J.O.C.*, 1973, **38**, 4028 (*deriv, synth, ms, ir, pmr, F-19 nmr*)
 Walker, N. *et al*, *J. Magn. Reson.*, 1979, **34**, 295 (*cmr*)
- 5,9,11,16,20,22-Hexahydro-7H,18H-benzo[1,2-d:4,5-d']bis[2,7]benzodithiecin** **H-1-00033**
 [159144-35-1]

 $\text{C}_{26}\text{H}_{26}\text{S}_4$ M 466.7
 Potential 2-coord. ligand. Mp > 162°. Hanton, L.R. *et al*, *J.C.S. Perkin 1*, 1994, 1883 (*synth, pmr*)
- 1,2,3,4,4a,10a-Hexahydro[1,4]benzodioxino[2,3-c]pyridine** **H-1-00034**

 $\text{C}_{11}\text{H}_{13}\text{NO}_2$ M 191.2
 A previously reported synth. (1970) was erroneous. **(4aRS,10aRS)-form**
 (±)-*trans-form*
 Cryst. (MeOH) (as hydrochloride). Mp 272-274° (hydrochloride).
 Procopiou, P.A. *et al*, *J.C.S. Perkin 1*, 1994, 1773.
- 1,3,4,5,6,7-Hexahydrobenzo[c]furan** **H-1-00035**

 $\text{C}_8\text{H}_{12}\text{O}$ M 124.1
 Liq. Bp_{15} 150°. Brown, D.S. *et al*, *J.C.S. Perkin 1*, 1995, 1137 (*synth, ir, pmr, cmr, ms*)
- 5,7,10,12,17,24-Hexahydro-19H,22H-8,21:9,20-dimethenodibenzo[c,m] [1,6,11,16] tetrathiacycloecosin** **H-1-00036**
 [159144-34-0]

 $\text{C}_{26}\text{H}_{26}\text{S}_4$ M 466.7
 Cryst. (CH₂Cl₂/hexane). Mp > 298° dec. Hanton, L.R. *et al*, *J.C.S. Perkin 1*, 1994, 1883 (*synth, pmr, cryst struct*)
- Hexahydro-4a,4b-dimethylcyclobuta[1,2-d:4,3-d']dipyrimidine-2,4,5,7(3H,6H)-tetrone, 9CI** **H-1-00037**
Thymine dimer. Thymine photodimer
 [14122-25-9]

 $\text{C}_{10}\text{H}_{12}\text{N}_4\text{O}_4$ M 252.2
(4aα,4ba,8aα,8ba)-form
cis-syn-form
 Major product formed on uv irradiation of Thymine, T-0-03451. Needles (H₂O). Mp > 300°. **(4aα,4bb,8aβ,8ba)-form** [16452-84-9]
trans-syn-form
 Minor product formed on uv irradiation of Thymine, T-0-03451. Cryst. (H₂O). [13526-50-6]

Wulff, D.L. *et al*, *Biochim. Biophys. Acta*, 1961, **51**, 332 (*synth*)
 Weinblum, D. *et al*, *Biochim. Biophys. Acta*, 1966, **114**, 450 (*synth*)
 Jennings, B.H. *et al*, *Photochem. Photobiol.*, 1970, **11**, 215 (*synth, ir, ms, pmr*)
 Wei, C.H. *et al*, *Acta Cryst. B*, 1984, **40**, 271 (*cryst struct*)

1,4,5,6,7,7a-Hexahydro-4,7a-dimethyl-2H-inden-2-one, 9CI H-1-00038
 [65969-87-1]

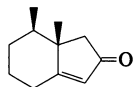


C₁₁H₁₆O M 164.2
 (4RS,7aRS)-form [76803-50-4]
 (±)-trans-form
 Oil. Bp_{0.7} 78-80°.
 (4RS,7aSR)-form [123992-65-4]
 cis-form
 Oil.

[52528-82-2, 130530-08-4]

Tokorayama, T. *et al*, *J.C.S. Perkin I*, 1988, 445 (*synth, uv, pmr, ir*)
 Ceccherelli, P. *et al*, *J.O.C.*, 1990, **55**, 311 (*synth, pmr, cmr*)
 Weyerstahl, P. *et al*, *Annalen*, 1995, 191 (*synth, pmr, cmr, ms*)

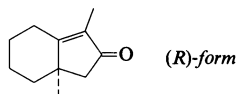
1,4,5,6,7,7a-Hexahydro-7,7a-dimethyl-2H-inden-2-one, 9CI H-1-00039



C₁₁H₁₆O M 164.2
 (7R,7aS)-form [39900-31-7]
 Oil.

Evans, D.A. *et al*, *J.A.C.S.*, 1977, **99**, 5453 (*synth, pmr*)
 Smith, A.B. *et al*, *J.A.C.S.*, 1981, **103**, 1996 (*synth, ir, pmr*)

3,3a,4,5,6,7-Hexahydro-1,3a-dimethyl-2H-inden-2-one, 9CI H-1-00040
 [60415-97-6]

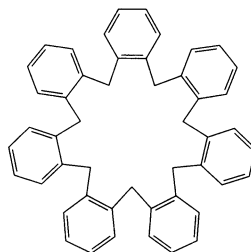


C₁₁H₁₆O M 164.2
 (R)-form [115692-65-4]
 [α]_D²⁵ – 12 (c, 0.3 in EtOH).
 (±)-form
 Bp_{0.2} 88-89°.

2,4-Dinitrophenylhydrazone: [127939-08-6].
 Mp 203°.

Miyashita, M. *et al*, *J.A.C.S.*, 1984, **106**, 2149 (*synth, ir, pmr*)
 Grattan, T.J. *et al*, *J.C.S. Perkin I*, 1990, 11 (*synth, ms, ir, pmr*)

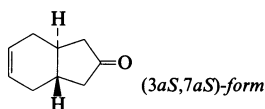
10,15,20,25,30,35-Hexahydro-5H-heptabenz[a,d,g,j,m,p,s]cycloheptacosene, 9CI H-1-00041
 [1,7]Orthocyclophane
 [154618-91-4]



C₄₆H₄₂ M 630.8
 Powder. Mp 207-208°.

Lee, W.Y. *et al*, *J.O.C.*, 1994, **59**, 878 (*synth, ir, pmr, cmr, ms*)

1,3,3a,4,7,7a-Hexahydro-2H-inden-2-one H-1-00042

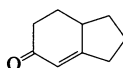


C₉H₁₂O M 136.1
 (3aS,7aS)-form
 (+)-trans-form
 Needles. Mp 66-67°. [α]_D +105.0 (c, 1.13 in EtOH).

(3aRS,7aSR)-form
 cis-form
 Oil. Bp₁₀ 106-108°.

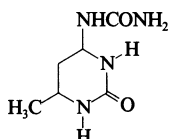
Aubé, J. *et al*, *J.A.C.S.*, 1994, **116**, 9009 (*synth, pmr, cmr*)

1,2,3,6,7,7a-Hexahydro-5H-inden-5-one H-1-00043
 Bicyclo[4.3.0]non-1-en-3-one
 [1489-28-7]



C₉H₁₂O M 136.1
 (±)-form [119971-92-5]
 Liq. Bp₁₂ 107-112°, Bp_{0.3} 75°.
 Semicarbazone: Cryst. (butanol). Mp 220°.
 Prelog, V. *et al*, *Helv. Chim. Acta*, 1949, **32**, 2360 (*synth*)
 Stork, G. *et al*, *J.A.C.S.*, 1963, **85**, 207 (*synth*)
 Hollingworth, G.J. *et al*, *Aust. J. Chem.*, 1995, **48**, 381 (*synth, uv, pmr, cmr, bibl*)

(Hexahydro-6-methyl-2-oxo-4-pyrimidinyl)urea, 9CI, 8CI H-1-00044
 Cyclodiurea
 [1129-42-6]

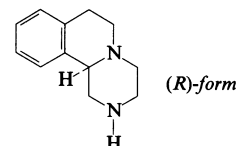


C₆H₁₂N₄O₂ M 172.1

Fertiliser, feed additive for sheep. Rods (H₂O). Mp 245°.

Zigeuner, G. *et al*, *Monatsh. Chem.*, 1961, **92**, 31, 278 (*synth*)
 Inoue, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1972, **45**, 1915 (*synth*)

1,3,4,6,7,11b-Hexahydro-2H-pyrazino[2,1-a]isoquinoline, 9CI H-1-00045
 Azaquinzole, INN
 [5234-86-6]



C₁₂H₁₆N₂ M 188.2
 CNS depressant. Never marketed.

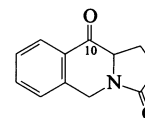
(R)-form [99780-88-8]
 [α]_D²¹ – 140.3 (c, 0.56 in Py).

(±)-form
 Bp_{0.01} 98-100°.
 Hydrochloride (1:2): Mp 320°.

[99780-87-7]

Belg. Pat., 659 249, (1965) (*E Merck*); *CA*, **64**, 2107e (*synth, pharmacol*)
 Ripperger, H. *et al*, *Chem. Ber.*, 1967, **100**, 1383 (*cd*)
 Blaschke, G. *et al*, *Chem. Ber.*, 1985, **118**, 4620 (*isomers, cd, pmr*)
 Jin, L. *et al*, *Yaoxue Xuebao*, 1986, **21**, 170; *CA*, **106**, 4976c (*sar*)

1,2,3,5,10,10a-Hexahydropyrrolo[1,2-b]isoquinoline-3,10-dione, 9CI H-1-00046
 1,2,3,5,10,10a-Hexahydrobenz[f]indolizine-3,10-dione
 [87630-51-1]



C₁₂H₁₁NO₂ M 201.2
 (±)-form [103201-08-7]
 Yellow solid. Mp 107-108°.

10-Oxime (Z-): [103201-11-2].

C₁₂H₁₂N₂O₂ M 216.2 Cryst. (95% EtOH aq.). Mp 213.5-216°.

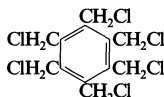
Rigo, B. *et al*, *J. Het. Chem.*, 1983, **20**, 893 (*synth, ir, pmr*)

Martin, L.L. *et al*, *J.O.C.*, 1986, **51**, 3697 (*synth, oxime*)

Kolocouris, A. *et al*, *J. Crystallogr. Spectrosc. Res.*, 1993, **23**, 663 (*cryst struct, pmr, cmr*)

Rigo, B. *et al*, *Synth. Commun.*, 1994, **24**, 2609 (*synth*)

Hexakis(chloromethyl)benzene, 9CI
[40205-81-0]



$C_{12}H_{12}Cl_6$ M 368.9
Prisms (dioxan or pentachloroethane). Mp 287.5° (282-285°).

Backer, H.J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1936, **55**, 591 (synth)
Henzelmann, E. *et al.*, *An. Asoc. Quim. Argent.*, 1972, **60**, 467; *CA*, **78**, 57881c (synth)

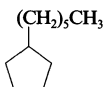
Hexamethyltellurium, 9CI H-1-00048
[129896-34-0]



$C_6H_{18}Te$ M 217.8
Volatile solid at -23°.

Ahmed, L. *et al.*, *J.A.C.S.*, 1990, **112**, 7411.

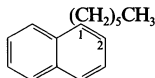
Hexylcyclopentane H-1-00049
1-Cyclopentylhexane



$C_{11}H_{22}$ M 154.2
 d_4^{20} 0.800. Fp -73°. Bp 203°. n_D^{20} 1.4392.

Adv. Chem. Ser., 1955, **15**, 384 (props)

1-Hexylnaphthalene H-1-00050
1-(1-Naphthalenyl)hexane
[2876-53-1]



$C_{16}H_{20}$ M 212.3
Liq. d_4^{20} 0.957. Fp -18°. Bp 322°, Bp₁ 121.4°. n_D^{20} 1.5647.

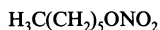
Adv. Chem. Ser., 1955, **15**, 224 (props)

2-Hexylnaphthalene H-1-00051
1-(2-Naphthalenyl)hexane
[2876-46-2]

$C_{16}H_{20}$ M 212.3
Liq. d_4^{20} 0.948. Fp -18°. Bp 324°, Bp₁ 122.8°. n_D^{20} 1.5620.

Adv. Chem. Ser., 1955, **15**, 244 (props)
Dewprasad, B. *et al.*, *Org. Prep. Proced. Int.*, 1989, **21**, 645 (synth)

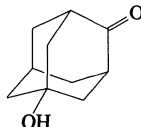
Hexyl nitrate H-1-00052
[20633-11-8]



$C_6H_{13}NO_3$ M 147.1
Liq. $d_4^{24.5}$ 0.9745. Bp 171°, Bp₃ 51-52°. n_D^{25} 1.4182.

Pattison, F.L.M. *et al.*, *Can. J. Chem.*, 1956, **34**, 879 (synth)
Fraser, R.T.M. *et al.*, *J.C.S.(B)*, 1968, 659 (ms)
Olah, G.A. *et al.*, *Synthesis*, 1993, 207 (synth, cmr)

5-Hydroxyadamantanone H-1-00053
5-Hydroxytricyclo[3.3.1.1^{3,7}]decan-2-one, 9CI
Idramantone, INN. Kemantane
[20098-14-0]



$C_{10}H_{14}O_2$ M 166.2

(±)-form

Lymphocyte and antibody stimulant in mice, T-cell suppressor. Cryst. (CCl₄ or by subl.). Mp 319-322°.

Ac: [63382-10-5].

$C_{12}H_{16}O_3$ M 208.2 Mp 60°.

Geluk, H.W. *et al.*, *Tetrahedron*, 1968, **24**, 5369 (synth, ir, pmr)

Geluk, H.W., *Synthesis*, 1972, 374 (synth)

Vodicka, L. *et al.*, *Coll. Czech. Chem. Comm.*, 1975, **40**, 293 (pmr)

Czech. Pat., 163 671, (1976); *CA*, **86**, 55081h (synth)

Lantvoev, V.I., *Zh. Org. Khim.*, 1976, **12**, 236; *J. Org. Chem. USSR (Engl. Transl.)*, 1976, **12**, 2292 (synth, ir)

Morat, C. *et al.*, *Tet. Lett.*, 1979, 4409 (synth, Ac, ir, pmr, cmr)

Le Noble, W.J. *et al.*, *J.O.C.*, 1983, **48**, 1099 (synth)

Bolte, G. *et al.*, *Chem. Ber.*, 1984, **117**, 1982 (synth, pmr, ir, ms)

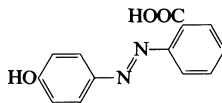
Srivastava, S. *et al.*, *Synth. Commun.*, 1984, **14**, 65 (synth, bibl)

Artsimovich, N.G. *et al.*, *Immunologiya (Moscow)*, 1990, **21**; *CA*, **114**, 156795w (immunol)

Boiko, S.S. *et al.*, *CA*, 1991, **115**, 84695 (glc)

4'-Hydroxyazobenzene-2-carboxylic acid H-1-00054

2-[(4-Hydroxyphenyl)azo]benzoic acid, 9CI
[1634-82-8]



$C_{13}H_{10}N_2O_3$ M 242.2

Dye used in protein affinity binding studies, eg shows conc. dependent uv-vis shifts on binding to the biotin-complexing protein avidin. Light yellow-tan needles (MeOH). Mp 207-208°.

Ospenson, J.A. *et al.*, *Acta Chem. Scand.*, 1951, **4**, 1351 (synth)

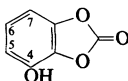
Harlow, R.L. *et al.*, *Acta Cryst. C*, 1992, **48**, 48 (cryst struct)

Weber, P.C. *et al.*, *J.A.C.S.*, 1994, **116**, 2717 (use)

4-Hydroxy-1,3-benzodioxol-2-one, 9CI H-1-00055

Pyrogallol carbonate

[6249-25-8]



$C_7H_4O_4$ M 152.1
Cryst. (C_6H_6). Mp 132-133°.

Einhorn, A. *et al.*, *Ber.*, 1904, **37**, 100 (synth)

5-Hydroxy-1,3-benzodioxol-2-one, 9CI H-1-00056

[78213-00-0]

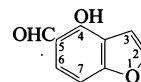
$C_7H_4O_4$ M 152.1
Cryst. (C_6H_6). Mp 176-178°.

Bredereck, H. *et al.*, *Chem. Ber.*, 1958, **91**, 1314 (synth)

4-Hydroxy-5-benzofurancarboxaldehyde, 9CI H-1-00057

5-Formyl-4-hydroxybenzofuran

[59292-71-6]



$C_9H_6O_3$ M 162.1
Leaflets. Mp 58.5°.

Cagniant, P. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1976, **282**, 465 (synth)

Lee, Y.R., *Tetrahedron*, 1995, **51**, 3087 (synth, ir, pmr, cmr, ms)

4-Hydroxy-7-benzofurancarboxaldehyde, 9CI H-1-00058

7-Formyl-4-hydroxybenzofuran

[59254-29-4]

$C_9H_6O_3$ M 162.1
Oil. Bp 168°.

René, L. *et al.*, *Bull. Soc. Chim. Fr.*, 1975, 2763 (synth)

5-Hydroxy-4-benzofurancarboxaldehyde, 9CI H-1-00059

4-Formyl-5-hydroxybenzofuran

[59254-30-7]

$C_9H_6O_3$ M 162.1
Cryst. Mp 83°. Bp₁₀ 141°.

René, L. *et al.*, *Bull. Soc. Chim. Fr.*, 1975, 2763 (synth)

5-Hydroxy-6-benzofurancarboxaldehyde, 9CI H-1-00060

6-Formyl-5-hydroxybenzofuran

[63376-65-8]

$C_9H_6O_3$ M 162.1
Cryst. (EtOAc/hexane). Mp 114-115°.

Hammond, M.L. *et al.*, *J. Med. Chem.*, 1990, **33**, 908 (synth, pmr)

6-Hydroxy-5-benzofurancarboxaldehyde, 9CI H-1-00061

5-Formyl-6-hydroxybenzofuran

[20073-22-7]

$C_9H_6O_3$ M 162.1
Needles (petrol). Mp 106.5-107.5°.

Me ether: [20073-21-6]. *6-Methoxy-5-benzofurancarboxaldehyde*

$C_{10}H_8O_3$ M 176.1 Cryst.
(cyclohexane). Mp 88.5-90°.
Worden, L.R. *et al*, *J.O.C.*, 1969, **34**, 2311
(*synth*, *pmr*)

6-Hydroxy-7- **H-1-00062****benzofurancarboxaldehyde, 9CI**

7-Formyl-6-hydroxybenzofuran

[59254-31-8]

$C_9H_6O_3$ M 162.1
Cryst. Mp 90°. Bp₁₁ 130°.

René, L. *et al*, *Bull. Soc. Chim. Fr.*, 1975, 2763
(*synth*)

7-Hydroxy-4- **H-1-00063****benzofurancarboxaldehyde**

4-Formyl-7-hydroxybenzofuran

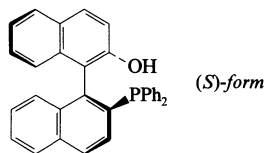
[6126-64-3]

$C_9H_6O_3$ M 162.1
Oil. Bp 191°.

René, L. *et al*, *Bull. Soc. Chim. Fr.*, 1975, 2763
(*synth*)

(2'-Hydroxy[1,1'- **H-1-00064****binaphthalen]-2-yl)****diphenylphosphine**

2-Hydroxy-2'-(diphenylphosphinyl)-1,1'-binaphthyl



$C_{32}H_{23}OP$ M 454.5
Widely appl. as catalyst in asymmetric
reductions and hydrosilylations.

(S)-form[α]_D²⁰ – 5.01 (c, 0.45 in CHCl₃).

Me ether: [134484-36-9]. 2-Methoxy-2'-

(diphenylphosphinyl)-1,1'-binaphthyl

 $C_{33}H_{25}OP$ M 468.5 Cryst.(CH₂Cl₂/hexane). [α]_D²⁰ – 94.5 (c, 0.27 in CHCl₃), [α]_D²⁰ – 59.7 (c, 1.40 in C₆H₆).

Isopropyl ether: [137769-30-3].

 $C_{35}H_{29}OP$ M 496.5 [α]_D²⁰ – 90.0 (c, 0.13 in CHCl₃).

Benzyl ether:

 $C_{39}H_{29}OP$ M 544.6 [α]_D²⁰ – 96.1 (c, 0.12 in CHCl₃).

O-tert-Butyldimethylsilyl:

 $C_{38}H_{37}OPSi$ M 568.7 [α]_D²⁰ + 29.3 (c, 0.71 in CHCl₃).

Oxide:

 $C_{32}H_{23}O_2P$ M 470.5 [α]_D²⁰ + 105.0 (c, 0.52 in CHCl₃).

Oxide, O-trifluoromethanesulfonyl:

 $C_{33}H_{22}F_3O_4PS$ M 602.5 [α]_D²⁰ – 44.45 (c, 0.50 in CHCl₃), [α]_D²⁰ – 6.61 (c, 1.40 in CHCl₃). Optical rotation v. dependent on concn.

Oxide, Me ether: [134484-37-0].

 $C_{33}H_{25}O_2P$ M 484.5 [α]_D²⁰ – 126.9 (c, 0.52 in CHCl₃).

Oxide, isopropyl ether: [137769-27-8].

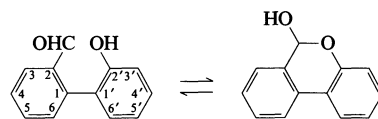
 $C_{35}H_{29}O_2P$ M 512.5 [α]_D²⁰ – 315.2 (c, 0.13 in CHCl₃).

Oxide, benzyl ether:

 $C_{39}H_{29}O_2P$ M 560.6 [α]_D²⁰ – 116.5 (c, 0.11 in CHCl₃).Hayashi, T. *et al*, *Pure Appl. Chem.*, 1992, **64**, 1911 (*use*)Matsumoto, Y. *et al*, *Chem. Comm.*, 1993, 1468 (*use*)Uozumi, Y. *et al*, *J.O.C.*, 1993, **58**, 1945 (*synth*, *derivs*, *ir*, *ms*, *pmr*, P-31 *nmr*)Uozumi, Y. *et al*, *Tetrahedron: Asymmetry*, 1993, **4**, 2419 (*use*)Uemura, M. *et al*, *J. Organomet. Chem.*, 1994, **473**, 129 (*use*)Matsumoto, H. *et al*, *J.A.C.S.*, 1994, **116**, 775 (*use*)**2'-Hydroxy-2-** **H-1-00065****biphenylcarboxaldehyde**

2-Formyl-2'-hydroxybiphenyl. 6H-

Dibenzo[b,d]pyran-6-ol

 $C_{13}H_{10}O_2$ M 198.2

Exists in the cyclic form. Obt. by oxidn. of Fluorene, F-0-00134.

Oxo-form [67608-60-0]

Me ether: [93465-26-0]. 2-Methoxy-2-

biphenylcarboxaldehyde

 $C_{14}H_{12}O_2$ M 212.2 Cryst. (pentane). Mp 63-65°.**Cyclic-form** [83358-32-1]

Me ether: 6-Methoxy-6H-dibenzo[b,d]pyran

 $C_{14}H_{12}O_2$ M 212.2 Cryst. (pentane). Mp 56-70°.Narasimhan, S. *et al*, *Indian J. Chem., Sect. B*, 1978, **16**, 516 (*synth*, *ms*)Bonzatti, C. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 864 (*synth*)Bonzatti, C. *et al*, *Indian J. Chem., Sect. B*, 1984, **23**, 671 (*synth*, *ir*, *pmr*, *ms*)**3-Hydroxy-4-** **H-1-00066****biphenylcarboxaldehyde, 9CI**

4-Formyl-3-hydroxybiphenyl

[35664-67-6]

 $C_{13}H_{10}O_2$ M 198.2

Cryst. (petrol). Mp 82-83°.

Spagnolo, P. *et al*, *J.C.S. Perkin 1*, 1972, 556 (*synth*)**4-Hydroxy-3-** **H-1-00067****biphenylcarboxaldehyde**

3-Formyl-4-hydroxybiphenyl

[1761-63-3]

 $C_{13}H_{10}O_2$ M 198.2

Pale yellow plates (EtOH). Mp 102°.

Bell, F. *et al*, *J.C.S.*, 1926, 3047 (*synth*)Duff, J.C., *J.C.S.*, 1941, 547 (*synth*)**4'-Hydroxy-4-** **H-1-00068****biphenylcarboxaldehyde, 9CI**

4-Formyl-4'-hydroxybiphenyl

[100980-82-3]

 $C_{13}H_{10}O_2$ M 198.2

Cryst. Mp 178°.

Lourak, M. *et al*, *J.O.C.*, 1989, **54**, 4844 (*synth*, *ir*, *pmr*)**6-Hydroxy-3-** **H-1-00069****biphenylcarboxaldehyde**

5-Formyl-2-hydroxybiphenyl

[21363-10-0]

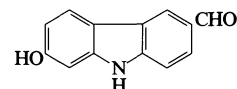
 $C_{13}H_{10}O_2$ M 198.2

Cryst. (EtOH aq.). Mp 45-46°.

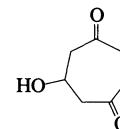
Jensen, S. *et al*, *Acta Chem. Scand.*, 1968, **22**, 2471 (*synth*)**7-Hydroxy-9H-carbazole-3-** **H-1-00070****carboxaldehyde, 9CI**

6-Formyl-2-hydroxycarbazole

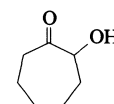
[142750-13-8]

 $C_{13}H_9NO_2$ M 211.2Alkaloid from root bark of *Murraya euchrestifolia* (Rutaceae). Powder (Me₂CO).Ito, C. *et al*, *Chem. Pharm. Bull.*, 1992, **40**, 230 (*isol*, *w*, *ir*, *pmr*, *ms*, *struct*)**6-Hydroxy-1,4-** **H-1-00071****cycloheptanedione**

[150044-67-0]

 $C_7H_{10}O_3$ M 142.1Isol. from *Pseudomonas* sp. AT3. Intermed. in bacterial degradn. of Tropine tropate, T-0-06922.Bartholomew, B.A. *et al*, *Biochem. J.*, 1993, **293**, 115 (*isol*)**2-Hydroxycycloheptanone, 9CI** **H-1-00072**

[4436-58-2]

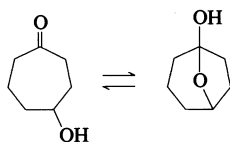
 $C_7H_{12}O_2$ M 128.1**(±)-form**Liq. Bp₁₃ 91-94°.

Ac: [19347-07-0].

 $C_9H_{14}O_3$ M 170.2 Liq. Bp₁₀ 120-122°.
[154439-14-2]Braun, M. *et al*, *Chem. Ber.*, 1976, **109**, 669 (*synth*, *ir*, *pmr*)Reddy, G.S. *et al*, *Synthesis*, 1981, 223 (*synth*, Ac)Moriarty, R.M. *et al*, *Tet. Lett.*, 1992, **33**, 6065 (*synth*)Carnell, A.J. *et al*, *Tet. Lett.*, 1994, **35**, 331 (*synth*)

4-Hydroxycycloheptanone, 9CI H-1-00073

8-Oxabicyclo[3.2.1]octan-1-ol
[67963-12-6]



$C_7H_{12}O_2$ M 128.1

Exists as an equilib. mixt. of the keto and the hemiacetal forms.

(±)-form

Liq. Bp₂ 94°.

[151648-04-3]

Doering, W. von E. *et al*, *J.O.C.*, 1961, **26**, 1365 (synth, ir)

Suzuki, M. *et al*, *Heterocycles*, 1990, **30**, 517

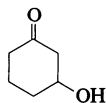
(synth, ir, pmr)

Bäckvall, J.E. *et al*, *Tet. Lett.*, 1993, **34**, 5459

(synth)

3-Hydroxycyclohexanone, 9CI H-1-00074

[823-19-8]



$C_6H_{10}O_2$ M 114.1

(±)-form

Liq. Bp_{0.1} 80°.

[17429-00-4, 53164-77-5, 114764-49-7]

Molander, G.A. *et al*, *J.O.C.*, 1986, **51**, 2596

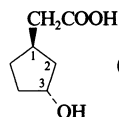
(synth, ir, pmr, cmr)

Miyashita, M. *et al*, *Tet. Lett.*, 1987, **28**, 4293

(synth)

3-Hydroxycyclopentaneacetic acid, 9CI H-1-00075

[102539-66-2]



(1R,3R)-form

$C_7H_{12}O_3$ M 144.1

(1R,3R)-form

(±)-trans-form

Me ester: [138903-81-8].

$C_8H_{14}O_3$ M 158.1 Liq. Bp_{0.5} 130°.

(1R,3SR)-form

(±)-cis-form

Me ester: [37435-80-6].

Bp₁ 92-94°.

Lactone: [5724-61-8]. 2-Oxabicyclo[3.2.1]octan-3-one, 9CI

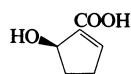
$C_7H_{10}O_2$ M 126.1 Waxy cryst. Mp 58-59.5°.

[62358-07-0]

Barraclough, P. *et al*, *J.C.S. Perkin 1*, 1976, 264 (synth, ester)

House, H.O. *et al*, *J.O.C.*, 1983, **48**, 1693 (synth, ir, pmr, cmr, ms, Me ester, lactone)

Jenny, T.F. *et al*, *Helv. Chim. Acta*, 1992, **75**, 1944 (synth, ir, pmr, cmr, ms, Me ester)

5-Hydroxy-1-cyclopentene-1-carboxylic acid, 9CI H-1-00076

(R)-form

$C_6H_8O_3$ M 128.1

(R)-form

Et ester: [143168-17-6].

$C_8H_{12}O_3$ M 156.1 Oil. $[\alpha]_D^{25}$ +34.4 (c, 1.0 in $CHCl_3$).

(S)-form

Et ester: [143168-18-7].

Oil. Bp₁ 45°. $[\alpha]_D^{25}$ -34.5 (c, 1.1 in $CHCl_3$).

(±)-form

Et ester: [115401-40-6].

Oil. Bp_{0.06} 49-50°.

Nitrile: [130252-14-1]. 1-Cyano-5-hydroxy-1-cyclopentene

C_6H_7NO M 109.1 Oil. Bp_{0.1} 84-85°.

[86488-29-1, 106924-48-5]

Graff, M. *et al*, *Tet. Lett.*, 1986, **27**, 1577 (synth, Et ester, nitrile)

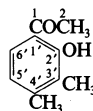
Takano, S. *et al*, *Tetrahedron: Asymmetry*, 1992, **3**, 837 (asymm synth, Et ester)

Yamane, T. *et al*, *Synthesis*, 1995, 444 (synth, Et ester)

2'-Hydroxy-3',4'-dimethylacetophenone H-1-00077

1-(2-Hydroxy-3,4-dimethylphenyl)ethanone, 9CI

[5384-55-4]



$C_{10}H_{12}O_2$ M 164.2

Yellow oil. Bp₁₂ 140°.

Semicarbazone: Cryst. (EtOAc). Mp 247° dec.

Me ether: 2'-Methoxy-3',4'-dimethylacetophenone

$C_{11}H_{14}O_2$ M 178.2 Oil. Bp₂ 104°.

v. Auwers, K. *et al*, *Annalen*, 1928, **460**, 240 (synth)

Smith, L.I. *et al*, *J.O.C.*, 1941, **6**, 427 (synth)

Baker, W. *et al*, *J.C.S.*, 1953, 1615 (synth)

Gardner, D. *et al*, *J.C.S.*, 1954, 1817 (synth, Me ether)

2'-Hydroxy-3',5'-dimethylacetophenone H-1-00078

1-(2-Hydroxy-3,5-dimethylphenyl)ethanone, 9CI

[1198-66-9]

$C_{10}H_{12}O_2$ M 164.2

Pale yellow needles (EtOH aq.). Mp 54°.

Bp₁₆ 124.5-126°.

Oxime: [73170-30-6].

$C_{10}H_{13}NO_2$ M 179.2 Cryst. (petrol). Mp 140°.

Me ether: 2'-Methoxy-3',5'-dimethylacetophenone

$C_{11}H_{14}O_2$ M 178.2 Needles (petrol). Mp 75-76°.

v. Auwers, K. *et al*, *Ber.*, 1925, **58**, 36 (synth)

Cocker, W. *et al*, *J.C.S.*, 1947, 533 (Me ether)

Trave, R., *Gazz. Chim. Ital.*, 1950, **80**, 502

(synth, oxime)

Cullinane, N.M. *et al*, *J. Appl. Chem.*, 1959, **9**, 133 (synth)

U.S. Pat., 3 900 521, (1975); *CA*, **83**, 205942u (synth)

2'-Hydroxy-4',5'-dimethylacetophenone H-1-00079

1-(2-Hydroxy-4,5-dimethylphenyl)ethanone, 9CI

[36436-65-4]

$C_{10}H_{12}O_2$ M 164.2

Plates (petrol); needles (EtOH). Mp 71°.

Oxime:

$C_{10}H_{13}NO_2$ M 179.2 Cream cryst. (EtOH aq.). Mp 135.5°.

Semicarbazone: Leaflets (EtOH). Mp >275°.

Me ether: 2'-Methoxy-4',5'-dimethylacetophenone

$C_{11}H_{14}O_2$ M 178.2 Prisms (petrol). Mp 55.5°.

Baddeley, G., *J.C.S.*, 1943, 273 (synth)

Baker, W. *et al*, *J.C.S.*, 1953, 820 (synth)

Royer, R. *et al*, *Bull. Soc. Chim. Fr.*, 1957, 1379 (synth, oxime, Me ether)

Vène, J. *et al*, *Bull. Soc. Chim. Fr.*, 1963, 1813 (Me ether)

Fischer, A. *et al*, *Can. J. Chem.*, 1975, **53**, 1570 (synth, ir, pmr, ms)

Burnell, R.H. *et al*, *Can. J. Chem.*, 1978, **56**, 517 (synth, ir, uv, pmr)

2'-Hydroxy-4',6'-dimethylacetophenone H-1-00080

1-(2-Hydroxy-4,6-dimethylphenyl)ethanone, 9CI

[16108-50-2]

$C_{10}H_{12}O_2$ M 164.2

Pale yellow needles (petrol). Mp 60° (55-56°).

Bp₁₀ 130-132°.

Me ether: [21009-92-7]. 2'-Methoxy-4',6'-dimethylacetophenone

$C_{11}H_{14}O_2$ M 178.2 Cryst. (petrol). Mp 48°. Bp₁₈ 140-144°.

v. Auwers, K., *Ber.*, 1915, **48**, 90 (synth)

Fuson, R.C. *et al*, *J.A.C.S.*, 1943, **65**, 1028 (Me ether)

Baddeley, G., *J.C.S.*, 1943, 273 (synth)

Edwards, J.D. *et al*, *J.A.C.S.*, 1956, **78**, 3821

(Me ether)

Bonsall, C. *et al*, *J.C.S.(C)*, 1967, 1836 (pmr, uv)

Ishido, Y. *et al*, *J.C.S. Perkin 1*, 1977, 521

(synth, ir, pmr)

Clark, J.H. *et al*, *J.C.S. Perkin 1*, 1977, 2063

(synth, ms, ir)

4-Hydroxy-2',3'-dimethylacetophenone H-1-00081

1-(4-Hydroxy-2,3-dimethylphenyl)ethanone, 9CI

[5384-57-6]

$C_{10}H_{12}O_2$ M 164.2

Prisms (EtOH). Mp 145°.

Benzyl ester: [97888-86-3].

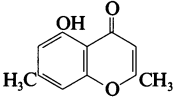
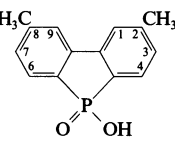
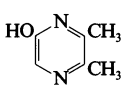
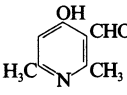
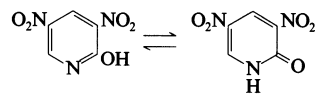
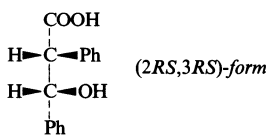
$C_{17}H_{18}O_2$ M 254.3 Cryst. (H₂O). Mp 85-86°.

Me ether: 4'-Methoxy-2',3'-dimethylacetophenone

$C_{11}H_{14}O_2$ M 178.2 Plates (petrol). Mp 33°. Bp₁₅ 157-159°.

Gardner, D. *et al*, *J.C.S.*, 1954, 1817 (synth, Me ether)

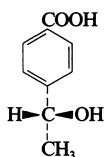
Vène, J. *et al*, *Bull. Soc. Chim. Fr.*, 1963, 1813 (synth, Me ether)

- Royer, R. *et al*, *Bull. Soc. Chim. Fr.*, 1964, 1259
(*synth*, *Me ether*)
Hajós, A., *Acta Chim. Hung.*, 1985, **118**, 63
(*synth*, *benzyl ether*)
- 4'-Hydroxy-2',5'-dimethylacetophenone** **H-1-00082**
1-(4-Hydroxy-2,5-dimethylphenyl)ethanone, 9CI
[26216-10-4]
C₁₀H₁₂O₂ M 164.2
Cryst. (toluene). Mp 131-132°.
Me ether: 4'-Methoxy-2',5'-dimethylacetophenone
C₁₁H₁₄O₂ M 178.2 Plates (petrol).
Mp 78-79°.
Clemo, G.R. *et al*, *J.C.S.*, 1929, 2368 (*Me ether*)
Kindler, K. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1954, **287**, 210 (*synth*)
- 4'-Hydroxy-2',6'-dimethylacetophenone** **H-1-00083**
1-(4-Hydroxy-2,6-dimethylphenyl)ethanone, 9CI
[91060-92-3]
C₁₀H₁₂O₂ M 164.2
Me ether: [60999-76-0]. 4'-Methoxy-2',6'-dimethylacetophenone
C₁₁H₁₄O₂ M 178.2 Cryst. (EtOH).
Mp 47°.
Laarhoven, W.H. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1961, **80**, 775.
- 4'-Hydroxy-3',5'-dimethylacetophenone** **H-1-00084**
1-(4-Hydroxy-3,5-dimethylphenyl)ethanone, 9CI
[5325-04-2]
C₁₀H₁₂O₂ M 164.2
Constit. of oil of *Eryngium foetidum*. Pale yellow plates (MeOH aq.). Mp 162° (154-155°).
Me ether: [60609-65-6]. 4'-Methoxy-3',5'-dimethylacetophenone
C₁₁H₁₄O₂ M 178.2 Cryst. (Et₂O). Mp 47-48° (39-40°).
Benington, F. *et al*, *J.O.C.*, 1958, **23**, 1979
(*synth*, *Me ether*)
Yeh, P.-H., *J. Chin. Chem. Soc. (Taipei)*, 1974, **22**, 139; *CA*, **82**, 34950t (*isol*, *ir*, *pmr*)
Eur. Pat., 609 885, (1994); *CA*, **121**, 255676j
(*synth*, *pmr*)
Bhalerao, U.T. *et al*, *Synth. Commun.*, 1995, **25**, 1433 (*synth*, *pmr*, *ir*)
- 5'-Hydroxy-2',4'-dimethylacetophenone** **H-1-00085**
C₁₀H₁₂O₂ M 164.2
Needles (H₂O or EtOH). Mp 135° (130-131.5°).
Me ether: 5'-Methoxy-2',4'-dimethylacetophenone
C₁₁H₁₄O₂ M 178.2 Cryst. Mp 50-51°.
v. Auwers, K. *et al*, *Ber.*, 1928, **61**, 1495 (*synth*, *Me ether*)
Cullinane, N.M. *et al*, *J. Appl. Chem.*, 1959, **9**, 133 (*synth*)
- 5-Hydroxy-2,7-dimethyl-4H-1-benzopyran-4-one**, 9CI **H-1-00086**
5-Hydroxy-2,7-dimethylchromone.
Altechromone A
[62806-16-0]

C₁₁H₁₀O₃ M 190.1
Prod. by *Alternaria* sp. Plant growth regulator. Needles + ½H₂O (C₆H₆/Me₂CO). Mp 251-252°.
Ahluwalia, V.K. *et al*, *Indian J. Chem., Sect. B*, 1976, **14**, 326 (*synth*)
Kimura, Y. *et al*, *Biosci., Biotechnol., Biochem.*, 1992, **56**, 1664 (*isol*)
- 5-Hydroxy-2,8-dimethyl-5H-dibenzophosphole 5-oxide** **H-1-00087**
3,6-Dimethylphosphaphluorenic acid

C₁₄H₁₃O₂P M 244.2
Cryst. (EtOH aq.). Mp 303-305°.
Freedman, L.D. *et al*, *J.O.C.*, 1958, **24**, 638
(*synth*, *uv*)
- 5-Hydroxy-2,3-dimethylpyrazine** **H-1-00088**
5,6-Dimethyl-2(1H)-pyrazinone, 9CI. *5,6-Dimethyl-2-pyrazinol*
[57229-36-4]

C₆H₈N₂O M 124.1
Cryst. Mp 201-202°.
Jones, R.G. *et al*, *J.A.C.S.*, 1949, **71**, 78 (*synth*)
Karmas, G. *et al*, *J.A.C.S.*, 1952, **74**, 1580
(*synth*)
- 5-Hydroxy-2,3-dimethylpyridine** **H-1-00089**
5,6-Dimethyl-3-pyridinol, 9CI
[61893-00-3]
C₇H₉NO M 123.1
Solid (hexane/CHCl₃). Mp 147-149°.
Wai, J.S. *et al*, *J. Med. Chem.*, 1993, **36**, 249
(*synth*, *pmr*)
- 4-Hydroxy-2,6-dimethyl-3-pyridinecarboxaldehyde** **H-1-00090**
1,4-Dihydro-2,6-dimethyl-4-oxo-3-pyridinecarboxaldehyde, 9CI. *3-Formyl-2,6-dimethyl-4(1H)-pyridinone*
[138642-53-2]

C₈H₉NO₂ M 151.1
- Cryst. Mp >100° dec.
Bradbury, R.H. *et al*, *J. Med. Chem.*, 1993, **36**, 1245 (*synth*, *pmr*)
- 2-Hydroxy-3,5-dinitropyridine** **H-1-00091**
3,5-Dinitro-2(1H)-pyridinone, 9CI. *3,5-Dinitro-2-pyridinol*, 8CI
[2980-33-8]

C₅H₃N₃O₅ M 185.0
Yellow cryst. (AcOH). Mp 176-178° (168-170°).
Me ether: [18617-40-8]. *2-Methoxy-3,5-dinitropyridine*
C₆H₅N₃O₅ M 199.1 Cryst. (EtOH aq.). Mp 92°.
Et ether: [18617-41-9]. *2-Ethoxy-3,5-dinitropyridine*
C₇H₇N₃O₅ M 213.1 Cryst. (EtOH aq.). Mp 71°.
Signor, A. *et al*, *Gazz. Chim. Ital.*, 1963, **93**, 65
(*synth*)
Matsumura, E. *et al*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 2413 (*synth*)
de Bie, D.A. *et al*, *J.O.C.*, 1985, **50**, 484 (*synth*)
Ritter, H. *et al*, *J. Het. Chem.*, 1995, **32**, 585
(*synth*)
- 3-Hydroxy-2,3-diphenylpropanoic acid** **H-1-00092**
β-Hydroxy-α-phenylbenzenepropanoic acid

C₁₅H₁₄O₃ M 242.2
(2RS,3RS)-form
(±)-erythro-form
Mp 142-143.5°.
(2RS,3SR)-form
(±)-threo-form
Mp 177-178° (175°).
[4603-32-1, 4603-33-2, 58769-51-0, 93059-95-1]
Zimmerman, H.E. *et al*, *J.A.C.S.*, 1957, **79**, 1920 (*synth*)
Kolev, T. *et al*, *Acta Cryst. C*, 1995, **51**, 1169, 1350 (*cryst struct*, *dimethylamide*, *Me ester*)
- 2-Hydroxyethanesulfinic acid**, **H-1-00093**
9CI
Isethnic acid
[60601-05-0]
HOCH₂CH₂S(O)OH
C₂H₆O₃S M 110.1
Pale yellow oil.
Na salt: [43166-41-2].
Cryst. Mp 81-83°.
King, J.F. *et al*, *Can. J. Chem.*, 1983, **61**, 1583
(*synth*, *ir*, *pmr*)
Lee, C. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1990, **47**, 53 (*synth*)

4-(1-Hydroxyethyl)benzoic acid, 9CI

H-1-00094

[97364-15-3]



(R)-form

C₉H₁₀O₃ M 166.1

Esters used as intermed. for liq. cryst.

(R)-form [125577-90-4]

Me ester: [129446-47-5].

C₁₀H₁₂O₃ M 180.2 Cryst. Mp 52-53°.
[α]_D²⁰ +42.3 (c, 1 in CHCl₃).

Et ester: [128310-70-3].

C₁₁H₁₄O₃ M 194.2 Liq. [α]_D²¹ +32.6
(c, 0.87 in MeOH).

Butyl ester: [119839-28-0].

C₁₃H₁₈O₃ M 222.2 [α]_D²⁰ +36 (c, 1 in
CHCl₃).

Benzyl ester: [119838-72-1].

Liq. [α]_D²⁵ +35.4 (c, 1 in CHCl₃). n_D²⁵
1.5691.

Nitrile: [101219-69-6].

C₉H₉NO M 147.1 Liq. [α]_D²¹ +41.7
(c, 1.05 in MeOH).

(S)-form [125577-89-1]

Et ester: [134615-20-6].

Liq.

(±)-form

Et ester: [134615-36-4].

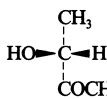
Liq.

[107751-31-5]

Eur. Pat., 289 307, (1988); CA, 111, 7063s
(derivs)Kusumoto, T. et al, Chem. Lett., 1990, 523 (Me
ester, R-form)Japan. Pat., 0 262 848, (1990); CA, 113,
201514w.Japan. Pat., 0 272 140, (1990); CA, 113, 58706c
(esters, use)Japan. Pat., 02 268 697, (1990); CA, 115, 47792t
(Et ester, S-, ±-forms)Mathre, D.P. et al, J.O.C., 1993, 58, 2880
(nitrile, Et ester, synth, pmr)**2-Hydroxy-3-hexanone**

H-1-00095

[54073-43-7]



(R)-form

C₆H₁₂O₂ M 116.1

(R)-form [125850-18-2]

[α]_D²² -55.5 (c, 0.7 in CHCl₃) (98% ee).

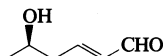
(±)-form [152322-24-2]

Minor component of the male pheromone
of Hylotrupes bajulus. Oil. Bp₁₁ 60-61°. n_D²⁰
1.4245.Nazarov, I.N. et al, Zh. Obshch. Khim., 1957,
27, 2676; J. Gen. Chem. USSR (Engl.
Transl.), 1957, 27, 2629 (synth)Russell, G.A. et al, J.A.C.S., 1974, 96, 5830
(synth)

Ncobe, S. et al, Tet. Lett., 1978, 2345 (synth)

Enders, D. et al, Helv. Chim. Acta, 1989, 72,
980 (R-form)Francke, W. et al, Annalen, 1994, 1211 (synth,
pmr, cmr, ms)**5-Hydroxy-2-hexenal**

H-1-00096

C₆H₁₀O₂ M 114.1

(R,E)-form [69830-85-9]

Oil.

Keck, G.E. et al, J.O.C., 1994, 59, 3112 (synth,
pmr, cmr, ir)**6-Hydroxy-2-hexenoic acid**

H-1-00097

HOCH₂CH₂CH₂CH=CHCOOHC₆H₁₀O₃ M 130.1

(E)-form [38875-88-6]

Cryst. (hexane). Mp 62-63°.

Me ester: [119729-72-5].

C₇H₁₂O₃ M 144.1 Oil. Bp_{0.2} 74-76°.

Schore, N.E. et al, J.O.C., 1981, 46, 5357

(synth, pmr)

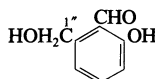
Denmark, S.E. et al, J.O.C., 1993, 58, 1853 (Me
ester, synth)

Ragoussis, V. et al, Synthesis, 1993, 84 (synth)

2-Hydroxy-6-(hydroxymethyl) benzaldehyde

H-1-00098

2-Formyl-3-hydroxybenzyl alcohol

C₈H₈O₃ M 152.1

Parent compd. not known (1995).

l'-O-Formyl: [152246-90-7]. 2-Formyl-3-

hydroxybenzyl formate

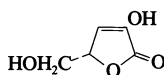
C₉H₈O₄ M 180.1 Isol. from the dust
mite, Dermatophagoides pteronyssinus.

Needles. Mp 59°.

Sato, M. et al, Biosci., Biotechnol., Biochem.,
1993, 57, 1299 (isol, deriv)**3-Hydroxy-5-hydroxymethyl-2(5H)-furanone, 9CI**

H-1-00099

[152711-16-5]

C₅H₆O₄ M 130.1

(S)-form

Unstable oil.

O³-Me: [152711-13-2]. 5-Hydroxymethyl-3-

methoxy-2(5H)-furanone

C₆H₈O₄ M 144.1 Cryst.

(EtOAc/pentane). Mp 84-85°.

O³-Benzyl: [39823-98-8]. 3-Benzyloxy-5-

hydroxymethyl-2(5H)-furanone

C₁₂H₁₂O₄ M 220.2 Mp 100-101°. [α]_D²⁰

+11.4 (c, 1.0 in MeOH).

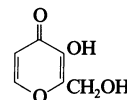
Dibenzyl ether: [55094-61-6].

C₁₅H₁₈O₄ M 310.3 Mp 91.5-92.5°.[α]_D²⁰ -1.7 (c, 2 in CHCl₃).Linden, A., Acta Cryst. C, 1992, 48, 1514 (cryst
struct, dibenzyl ether)Bigorra, J., Tetrahedron, 1993, 49, 6717 (synth,
ir, ms, pmr, cmr)**3-Hydroxy-2-(hydroxymethyl)-4H-pyran-4-one, 9CI**

H-1-00100

α-Hydroxymaltol

[1968-51-0]

C₆H₆O₄ M 142.1Metab. of Talaromyces flavus. Mp 148-150°
(146-148°).

l'-Benzoyl: [25552-07-2].

C₁₃H₁₀O₅ M 246.2 Mp 136-139°.

l'-O-(4-Hydroxybenzoyl), 3-O-β-D-

glucopyranoside: [149573-61-5]. Tunicoside

C₁₉H₂₀O₁₁ M 424.3 Constit. of

Tunica prolifera. Prisms and needles

(EtOH). Mp 234°.

l'-O-(4-Hydroxy-3-methoxybenzoyl), 3-O-β-D-

glucopyranoside: Methoxytunicoside

C₂₀H₂₂O₁₂ M 454.3 Constit. of T.

prolifera. Prisms and needles (EtOH). Mp

125°.

3-Me ether: [106203-46-7]. 2-

(Hydroxymethyl)-3-methoxy-4H-pyran-4-

one, 9CI

C₇H₈O₄ M 156.1 Cryst.(Me₂CO/cyclohexane). Mp 113-115°.

Kingsbury, C.A. et al, J.O.C., 1976, 41, 2777

(cmr)

Looker, J.H. et al, J. Het. Chem., 1986, 23, 225

(synth)

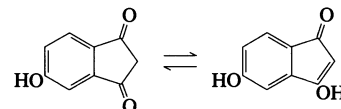
Ayer, W.A. et al, Can. J. Chem., 1990, 68, 2095

(isol, pmr)

Plouvier, V. et al, Phytochemistry, 1993, 32,
1618 (isol, derivs)**5-Hydroxy-1,3-indanedione**

H-1-00101

3,5-Dihydroxy-1H-inden-1-one

C₉H₆O₃ M 162.1

Enol-form

Di-Me ether: [149665-18-9]. 3,5-Dimethoxy-

1H-inden-1-one. Coixinden A

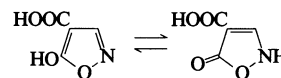
C₁₁H₁₀O₃ M 190.1 Constit. of Coix

lacrima-jobi var. ma-yuen. Antimicrobial

agent. Cryst. Mp 183° dec.

Ishiguro, Y. et al, Biosci., Biotechnol., Biochem.,
1993, 57, 866 (isol)**5-Hydroxy-4-isoxazolecarboxylic acid**

H-1-00102

2,5-Dihydro-5-oxo-4-isoxazolecarboxylic acid,
9CIC₄H₃NO₄ M 129.0

Et ester: [54535-14-7].

C₆H₇NO₄ M 157.1 Mp 160.5°, Mp
183.5° (double Mp).

Claisen, L., Annalen, 1897, 297, 1.

2-(Hydroxymethoxy)ethanol, H-1-00103
9CI
[13149-79-6]



$\text{C}_3\text{H}_8\text{O}_3$ M 92.0
Used in bactericidal and fungicidal compositions; preservative for lubricating oils. Liq.

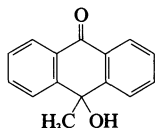
1-Me ether: 2-(Methoxymethoxy)ethanol
 $\text{C}_4\text{H}_{10}\text{O}_3$ M 106.1 Liq. d^{16} 1.04. Bp 150-153°.

1-Ph ether: [148355-61-7]. 2-(Phenoxymethoxy)ethanol, 9CI
 $\text{C}_9\text{H}_{12}\text{O}_3$ M 168.1 Oil. Bp_{0.2} 81-83°.

U.S. Pat., 2 321 608, (1943); CA, 37, 6674'.
Diehl, K.H. et al, CA, 1985, 102, 27791v (use)
Romanian Pat., 88 534, (1986); CA, 106, 63013j (use)

Aitken, D.J. et al, J.C.S. Perkin 1, 1993, 597 (Ph ether)

10-Hydroxy-10-methyl-9(10H)-anthracenone, 9CI
[17104-31-3]



$\text{C}_{15}\text{H}_{12}\text{O}_2$ M 224.2
Mp 146-148°, Mp 153-155° (double Mp).

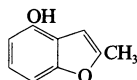
Ac: $\text{C}_{17}\text{H}_{14}\text{O}_3$ M 266.2 Needles (EtOH).
Mp 104-105°.

Me ether: [53190-24-2]. 10-Methoxy-10-methyl-9(10H)-anthracenone
 $\text{C}_{16}\text{H}_{14}\text{O}_2$ M 238.2 Needles (MeOH).
Mp 115-116°.

Et ether: [98612-79-4]. 10-Ethoxy-10-methyl-9(10H)-anthracenone
 $\text{C}_{17}\text{H}_{16}\text{O}_2$ M 252.3 Oil.

Southern, P.F. et al, J.C.S., 1960, 4340 (synth, ir)
Bhattacharya, A.K. et al, J.O.C., 1983, 48, 2412 (synth, ir, pmr)
Hulinská, H. et al, Coll. Czech. Chem. Comm., 1989, 54, 1388 (synth, ms, uv, pmr)
Lin, T. et al, Acta Cryst. C, 1992, 48, 1870 (synth, cryst struct, acetate)

4-Hydroxy-2-methylbenzofuran, H-1-00105
2-Methyl-4-benzofuranol, 9CI
[3610-14-8]



$\text{C}_9\text{H}_8\text{O}_2$ M 148.1
Cryst. (petrol). Mp 54°. Bp₁₅ 145-146°.

Ac: [121724-99-0]. 4-Acetoxy-2-methylbenzofuran
 $\text{C}_{11}\text{H}_{10}\text{O}_3$ M 190.1 Prisms (hexane).
Mp 50-51°.

Me ether: [3781-89-3]. 4-Methoxy-2-methylbenzofuran
 $\text{C}_{10}\text{H}_{10}\text{O}_2$ M 162.1 Bp₁₂ 120°.

Demerseman, P. et al, Bull. Soc. Chim. Fr., 1965, 1473 (Me ether)
Iwasaki, M. et al, J.O.C., 1991, 56, 1922 (synth, pmr, Ac)

4-Hydroxy-3-methylbenzofuran, H-1-00106
3-Methyl-4-benzofuranol, 9CI
[3610-15-9]

$\text{C}_9\text{H}_8\text{O}_2$ M 148.1
Needles (C_6H_6 /petrol). Mp 110-112°.

Me ether: [3781-88-2]. 4-Methoxy-3-methylbenzofuran

$\text{C}_{10}\text{H}_{10}\text{O}_2$ M 162.1 Bp₁₂ 117°.

Whalley, W.B., J.C.S., 1951, 3229 (synth)
Demerseman, P. et al, Bull. Soc. Chim. Fr., 1965, 1473 (synth, Me ether)
Wasson, B.K. et al, J.O.C., 1977, 42, 4265 (synth, ir, pmr)

4-Hydroxy-6-methylbenzofuran, H-1-00107
6-Methyl-4-benzofuranol

$\text{C}_9\text{H}_8\text{O}_2$ M 148.1
Ac: [121724-97-8].
 $\text{C}_{11}\text{H}_{10}\text{O}_3$ M 190.1 Oil.

Iwasaki, M. et al, J.O.C., 1991, 56, 1922 (synth, pmr)

4-Hydroxy-7-methylbenzofuran, H-1-00108
7-Methyl-4-benzofuranol, 9CI

$\text{C}_9\text{H}_8\text{O}_2$ M 148.1
Ac: [121724-98-9].
 $\text{C}_{11}\text{H}_{10}\text{O}_3$ M 190.1 Prisms (hexane).
Mp 49-50°.

Iwasaki, M. et al, J.O.C., 1991, 56, 1922 (synth, pmr, ir)

5-Hydroxy-2-methylbenzofuran, H-1-00109
2-Methyl-5-benzofuranol, 9CI
[6769-56-8]

$\text{C}_9\text{H}_8\text{O}_2$ M 148.1
Mp 35-36°. Bp₆ 134°.

Me ether: [13391-27-0]. 5-Methoxy-2-methylbenzofuran

$\text{C}_{10}\text{H}_{10}\text{O}_2$ M 162.1 Bp₁₀ 117-118°.

Grinev, A.N. et al, Zh. Obshch. Khim., 1957, 27, 1087; CA, 52, 3761f (synth)

5-Hydroxy-3-methylbenzofuran, H-1-00110
3-Methyl-5-benzofuranol, 9CI
[7182-21-0]

$\text{C}_9\text{H}_8\text{O}_2$ M 148.1
Cryst. Mp 93-94°.

Whalley, W.B., J.C.S., 1953, 3479 (synth)
Domschke, G., J. Prakt. Chem., 1966, 32, 144 (synth)

Lee, J. et al, J.O.C., 1990, 55, 4995 (synth, ir, pmr, cmr, bibl)

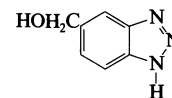
6-Hydroxy-2-methylbenzofuran, H-1-00111
2-Methyl-6-benzofuranol, 9CI
[54584-24-6]

$\text{C}_9\text{H}_8\text{O}_2$ M 148.1

Mp 74.5°.

Baxter, G.J. et al, Aust. J. Chem., 1974, 27, 2605 (synth, pmr, ir, uv)

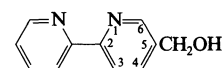
5(6)-(Hydroxymethyl)benzotriazole, H-1-00112
1H-Benzotriazole-5-methanol, 9CI
[106429-67-8]



$\text{C}_7\text{H}_7\text{N}_3\text{O}$ M 149.1
Mp 149-150°.

Katritzky, A.R. et al, Synth. Commun., 1993, 23, 2019 (synth, pmr, cmr)

5-(Hydroxymethyl)-2,2'-bipyridine, H-1-00113
[2,2'-Bipyridine]-5-methanol, 9CI
[146581-87-5]



$\text{C}_{11}\text{H}_{10}\text{N}_2\text{O}$ M 186.2
Thick orange oil.

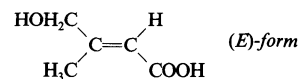
Imperiali, B. et al, J.O.C., 1993, 58, 1613 (synth)

6-(Hydroxymethyl)-2,2'-bipyridine, H-1-00114
[2,2'-Bipyridine]-6-methanol, 9CI
[149775-41-7]

$\text{C}_{11}\text{H}_{10}\text{N}_2\text{O}$ M 186.2
Oil.

Uenishi, J. et al, J.O.C., 1993, 58, 4382 (synth, pmr, ir, cmr, ms)

4-Hydroxy-3-methyl-2-butenic acid, 9CI
4-Hydroxy-3-methylcrotonic acid



$\text{C}_5\text{H}_8\text{O}_3$ M 116.1
(*E*)-form [44647-19-0]
Needles (C_6H_6). Mp 112-113° (108-110°).

Me ester: [13866-57-4].

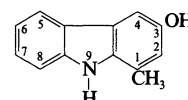
$\text{C}_6\text{H}_{10}\text{O}_3$ M 130.1 Bp₁ 30-50°.

Ac: [21622-85-5].

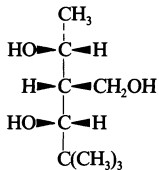
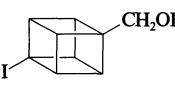
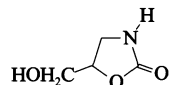
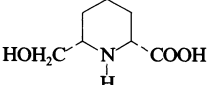
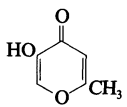
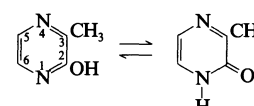
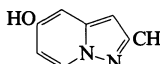
$\text{C}_7\text{H}_{10}\text{O}_4$ M 158.1 Bp₁₂ 154-155°.

Nechvatal, A. et al, J.C.S.(C), 1968, 185 (synth)
Bourguignon, J.-J. et al, J. Med. Chem., 1988, 31, 893 (synth, pmr)
Schmidt, R.R. et al, Synthesis, 1994, 255 (synth, Ac, pmr)

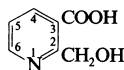
3-Hydroxy-1-methyl-9H-carbazole, H-1-00116
1-Methyl-9H-carbazol-3-ol



$\text{C}_{13}\text{H}_{11}\text{NO}$ M 197.2

- Cryst. Mp >158° dec.
Knölker, H.-J. *et al*, *Synthesis*, 1995, 397 (*synth*, *uv*, *ir*, *pmr*, *cmr*, *ms*)
- 3-Hydroxy-2-methyl-9H-carbazole** **H-1-00117**
2-Methyl-9H-carbazol-3-ol
C₁₃H₁₁NO M 197.2
Needles (C₆H₆). Mp 276°.
Me ether: [6933-09-1]. *3-Methoxy-2-methyl-9H-carbazole*
C₁₄H₁₃NO M 211.2 Needles (EtOH). Mp 179-181.5°.
Cummins, J.A. *et al*, *J.C.S.*, 1954, 1414 (*synth*, *Me ether*)
Knölker, H.-J. *et al*, *Synthesis*, 1995, 397 (*synth*, *uv*, *ir*, *pmr*, *cmr*, *ms*)
- 3-Hydroxy-5-methyl-9H-carbazole** **H-1-00118**
5-Methyl-9H-carbazol-3-ol, 9CI
[77120-62-8]
C₁₃H₁₁NO M 197.2
Flakes (xylene). Mp 200°.
Bisagni, E. *et al*, *Tetrahedron*, 1980, 36, 1327 (*synth*, *ir*, *pmr*)
- 3-Hydroxy-7-methyl-9H-carbazole** **H-1-00119**
7-Methyl-9H-carbazol-3-ol, 9CI
[61601-53-4]
C₁₃H₁₁NO M 197.2
Cryst. (EtOH aq. or PhCl). Mp 250-253° dec.
Stetter, H. *et al*, *Annalen*, 1958, 617, 54 (*synth*)
Chowdhury, B.K. *et al*, *CA*, 1977, 86, 121578d (*synth*)
- 3-Hydroxy-8-methyl-9H-carbazole** **H-1-00120**
8-Methyl-9H-carbazol-3-ol, 9CI
[61601-52-3]
C₁₃H₁₁NO M 197.2
Mp 175°.
Chowdhury, B.K. *et al*, *CA*, 1977, 86, 121578d (*synth*)
- 3-Hydroxymethyl-5,5-dimethyl-2,4-hexanediol** **H-1-00121**

C₉H₂₀O₃ M 176.2
(*2R,3S,4R*)-*form* [147673-38-9]
Triol contg. 3 OH groups in different chiral environments. Prototype of a series of starting materials for synth. of dendrimers contg. a chiral core. Solid.
Seebach, D. *et al*, *Helv. Chim. Acta*, 1994, 77, 1673.
- 1-Hydroxymethyl-4-iodocubane** **H-1-00122**
4-Iodopentacyclo[4.2.0.0.2.5.0.3.8.0.4.7]octanemethanol, 9CI
[163332-87-4]

C₉H₉IO M 260.0
Cryst. (hexane). Mp 108-110°.
Eaton, P.E. *et al*, *J.A.C.S.*, 1994, 116, 7588 (*synth*, *pmr*, *cmr*)
- (Hydroxymethyl)methylcarbamodithioic acid, 9CI** **H-1-00123**
HOCH₂NMeC(S)SH
C₃H₇NOS₂ M 137.2
K salt: [51026-28-9]. *Bunema. Busan 40*
Bactericide and wood preservative.
Netherlands Pat., 7 602 496, (1977); *CA*, 89, 100994h (*synth*, *use*)
- 5-Hydroxymethyl-2-oxazolidinone** **H-1-00124**

C₄H₇NO₃ M 117.1
(±)-*form*
Solid. Mp 71-72°.
O-(4-Methylbenzenesulfonyl): Solid. Mp 98-99°.
Seneci, P. *et al*, *J.C.S. Perkin I*, 1994, 2345.
- 6-(Hydroxymethyl)-2-piperidinecarboxylic acid, 9CI** **H-1-00125**

C₇H₁₃NO₃ M 159.1
(*2RS,6SR*)-*form* [161431-60-3]
(±)-*cis-form*
Hygroscopic solid. Mp 231-233° dec.
Et ester:
C₉H₁₇NO₃ M 187.2 Cryst. (EtOH). Mp 196-198°.
Bolós, J. *et al*, *J. Het. Chem.*, 1994, 31, 1493 (*synth*, *ir*, *pmr*)
- 5-Hydroxy-2-methyl-4H-pyran-4-one, 9CI** **H-1-00126**
α-Deoxykojic acid. Allomaltol
[644-46-2]

C₆H₆O₃ M 126.1
Cryst. (EtOAc). Mp 153-154°.
- Ac*: [54917-86-1].
C₈H₈O₄ M 168.1 Cryst. (Et₂O/petrol). Mp 103°.
Brockhaus, M. *et al*, *Annalen*, 1974, 1675 (*synth*, *uv*, *pmr*)
Arnarp, J., *Acta Chem. Scand.*, 1990, 44, 916 (*synth*, *pmr*, *ms*)
- 2-Hydroxy-3-methylpyrazine** **H-1-00127**
3-Methyl-2(1H)-pyrazinone, 9CI. 3-Methylpyrazinol, 8CI
[19838-07-4]

C₅H₆N₂O M 110.1
Cryst. (EtOAc). Mp 151-152°.
Karmus, G. *et al*, *J.A.C.S.*, 1952, 74, 1580 (*synth*)
Macdonald, J.C. *et al*, *Tetrahedron*, 1976, 32, 655 (*pmr*, *cmr*)
- 2-Hydroxy-5-methylpyrazine** **H-1-00128**
5-Methyl-2(1H)-pyrazinone, 9CI. 5-Methylpyrazinol, 8CI
[20721-17-9]
C₅H₆N₂O M 110.1
Cryst. Mp 68-69°, Mp 126-128°.
Karmus, G. *et al*, *J.A.C.S.*, 1952, 74, 1580 (*synth*)
Koelsch, C.F. *et al*, *J.O.C.*, 1958, 23, 1603 (*synth*)
Macdonald, J.C. *et al*, *Tetrahedron*, 1976, 32, 655 (*pmr*, *cmr*)
- 2-Hydroxy-6-methylpyrazine** **H-1-00129**
6-Methyl-2(1H)-pyrazinone, 9CI. 6-Methylpyrazinol, 8CI
[20721-18-0]
C₅H₆N₂O M 110.1
Cryst. (H₂O). Mp 250-251°.
Karmus, G. *et al*, *J.A.C.S.*, 1952, 74, 1580 (*synth*)
Macdonald, J.C. *et al*, *Tetrahedron*, 1976, 32, 655 (*pmr*, *cmr*)
- 5-Hydroxy-2-methylpyrazolo[1,5-a]pyridine** **H-1-00130**
2-Methylpyrazolo[1,5-a]pyridin-5-ol
[156969-44-7]

C₈H₈N₂O M 148.1
Yellow solid by subl. Mp 186-187° dec.
Ac: [156969-45-8].
C₁₀H₁₀N₂O₂ M 190.2 Fine needles by subl. Mp 68-69°.
Benzoyl: [156969-46-9].
C₁₅H₁₂N₂O₂ M 252.2 Cryst. (hexane).
Me ether: [156969-47-0]. *5-Methoxy-2-methylpyrazolo[1,5-a]pyridine*
C₉H₁₀N₂O M 162.1 Oil.
Brown, R.F.C. *et al*, *Aust. J. Chem.*, 1994, 47, 1009 (*synth*, *pmr*, *cmr*, *cryst struct*, *props*)

2-(Hydroxymethyl)-3-pyridinecarboxylic acid, 9CI **H-1-00131**
 2-(Hydroxymethyl)nicotinic acid, 8CI
 [81113-14-6]



$C_7H_7NO_3$ M 153.1
 Cryst. (EtOH). Mp 153-154° dec.

Ac, Me ester:

$C_{10}H_{11}NO_4$ M 209.2 Oil.

Ac, Et ester: [31181-70-1].

$C_{11}H_{13}NO_4$ M 223.2 Bp_{1.0} 122-127°.

Sato, Y. *et al*, *Chem. Pharm. Bull.*, 1960, **8**, 427
 (synth, ir, uv, pmr, ms)

Blanz, E.J. *et al*, *J. Med. Chem.*, 1970, **13**, 1124
 (Ac-Et ester)

Matsuura, I., *Heterocycles*, 1975, **3**, 381 (Ac-Me ester)

Ashcroft, W.R. *et al*, *J.C.S. Perkin 1*, 1981,
 3012 (synth, uv, ir, pmr, ms)

2-(Hydroxymethyl)-4-pyridinecarboxylic acid, 9CI **H-1-00132**
 2-(Hydroxymethyl)isonicotinic acid, 8CI

$C_7H_7NO_3$ M 153.1

Me ester: [58481-17-7].

$C_8H_9NO_3$ M 167.1 Mp 68-69°.

Amide: [84589-39-9].

$C_7H_8N_2O_2$ M 152.1 Mp 183-184.5°.

Sugiyama, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1982,
55, 3055; 1984, **57**, 1882.

3-(Hydroxymethyl)-2-pyridinecarboxylic acid, 9CI **H-1-00133**
 3-(Hydroxymethyl)picolinic acid

$C_7H_7NO_3$ M 153.1

Ac, Et ester: [56526-05-7].

$C_{11}H_{13}NO_4$ M 223.2 Oil.

Lactone: see *Furo[3,4-b]pyridin-7(5H)-one*, F-0-01473

Matsuura, I., *Heterocycles*, 1975, **3**, 381 (Ac-Et ester)

3-(Hydroxymethyl)-4-pyridinecarboxylic acid, 9CI **H-1-00134**
 3-(Hydroxymethyl)isonicotinic acid

[81113-13-5]

$C_7H_7NO_3$ M 153.1

Gummy solid.

Lactone: see *Furo[3,4-c]pyridin-1(3H)-one*, F-0-01476

Ashcroft, W.R. *et al*, *J.C.S. Perkin 1*, 1981,
 3012 (synth, uv, ir, pmr, ms)

4-(Hydroxymethyl)-2-pyridinecarboxylic acid, 9CI **H-1-00135**
 4-(Hydroxymethyl)picolinic acid

$C_7H_7NO_3$ M 153.1

Et ester: [59663-96-6].

$C_9H_{11}NO_3$ M 181.1 Cryst.

(Et₂O/hexane). Mp 78-79°.

Hutchison, A.J. *et al*, *J. Med. Chem.*, 1989, **32**,
 2171.

El Hadri, A. *et al*, *J. Het. Chem.*, 1993, **30**, 631.

4-(Hydroxymethyl)-3-pyridinecarboxylic acid, 9CI **H-1-00136**
 4-(Hydroxymethyl)nicotinic acid, 8CI
 [72726-63-7]

$C_7H_7NO_3$ M 153.1

Gummy solid. Unstable, lactonises rapidly.

Nitrile: [157650-27-6].

$C_7H_6N_2O$ M 134.1 Cryst.

(EtOH/Et₂O). Mp 143°.

Ac, Me ester: [55768-93-9].

$C_{10}H_{11}NO_4$ M 209.2 Oil. Bp_{0.5} 140-150°.

Lactone: see *Furo[3,4-c]pyridin-3(1H)-one*, F-0-01477

Battaro, J.C. *et al*, *J.O.C.*, 1980, **45**, 1176

(synth)

Ashcroft, W.R. *et al*, *J.C.S. Perkin 1*, 1981,
 3012 (synth, uv, ir, pmr, ms)

5-(Hydroxymethyl)-2-pyridinecarboxylic acid, 9CI **H-1-00137**
 5-(Hydroxymethyl)picolinic acid

[39977-41-8]

$C_7H_7NO_3$ M 153.1

Mp 216°.

Et ester: [50501-35-4].

$C_9H_{11}NO_3$ M 181.1 Mp 67°.

Dawson, M.I., *J. Med. Chem.*, 1983, **26**, 1282

(synth, ir, pmr)

5-(Hydroxymethyl)-3-pyridinecarboxylic acid, 9CI **H-1-00138**
 5-(Hydroxymethyl)nicotinic acid

$C_7H_7NO_3$ M 153.1

Et ester: [59936-06-0].

$C_9H_{11}NO_3$ M 181.1 Oil. Bp_{0.01} 136°.

Amide: [59936-07-1].

$C_7H_8N_2O_2$ M 152.1 Cryst. (EtOH).

Mp 158°.

Trommer, W.E. *et al*, *Annalen*, 1976, 848.

6-(Hydroxymethyl)-2-pyridinecarboxylic acid, 9CI **H-1-00139**
 6-(Hydroxymethyl)picolinic acid, 8CI

[1197-10-0]

$C_7H_7NO_3$ M 153.1

Cryst. (Me₂CO). Mp 152° (137°).

Me ester: [39977-44-1].

$C_8H_9NO_3$ M 167.1 Mp 88°.

Et ester: [41337-81-9].

$C_9H_{11}NO_3$ M 181.1 Cryst.

(EtOH/Et₂O). Mp 95-96°, Mp 131-133°.

Ac: [80540-79-0].

$C_9H_9NO_4$ M 195.1 Cryst. (C₆H₆).

Mp 113-115° dec.

Ac, Et ester:

$C_{11}H_{13}NO_4$ M 223.2 Oil.

N-Oxide: [24191-19-3].

$C_7H_7NO_4$ M 169.1 Mp 195°.

Mathes, W. *et al*, *Chem. Ber.*, 1953, **86**, 1953

(synth)

Fife, T.H. *et al*, *J.A.C.S.*, 1982, **104**, 2251

(synth)

Bolós, J. *et al*, *J. Het. Chem.*, 1994, **31**, 1493

(synth, pmr)

Vergopoulos, V. *et al*, *Z. Naturforsch., B*, 1994,

49, 1127 (synth, ir, pmr, cmr)

6-(Hydroxymethyl)-3-pyridinecarboxylic acid **H-1-00140**
 6-(Hydroxymethyl)nicotinic acid

$C_7H_7NO_3$ M 153.1

Et ester: [35005-81-3].

$C_9H_{11}NO_3$ M 181.1 Mp 67°. Bp_{0.5} 86°.

Ac, Me ester: [63362-34-5].

$C_{10}H_{11}NO_4$ M 209.2 Mp 88°. Bp₃ 117-120°.

Ac, Et ester:

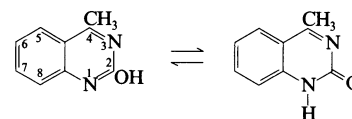
$C_{11}H_{13}NO_4$ M 223.2 Needles. Mp 25°. Bp_{0.5} 138°.

Morris, I.G. *et al*, *J.C.S.*, 1963, 1841.

2-Hydroxy-4-methylquinazoline **H-1-00141**

4-Methyl-2(1H)-quinazolinone, 9CI. 4-Methyl-2-quinazolinol

[34790-24-4]



$C_9H_9N_2O$ M 160.1

CAS. no. refers to the oxo-form. Cryst.

(DMF/EtOH). Mp 230-232°.

Armarego, W.L.F. *et al*, *J.C.S.(C)*, 1966, 234
 (synth)

Yamamoto, M. *et al*, *Chem. Pharm. Bull.*, 1978,
26, 1633 (synth)

4-Hydroxy-5-methylquinazoline **H-1-00142**

5-Methyl-4(1H)-quinazolinone, 9CI. 5-Methyl-4-quinazolinol

[75844-41-6]

$C_9H_9N_2O$ M 160.1

CAS no. refers to the oxo-tautomer. Needles
 (H₂O). Mp 225-227° (210-212°).

Baker, B.R. *et al*, *J.O.C.*, 1952, **17**, 141 (synth)

Gupton, J.T. *et al*, *Synth. Commun.*, 1984, **14**,
 1013 (synth, ir, pmr)

4-Hydroxy-6-methylquinazoline **H-1-00143**

6-Methyl-4(1H)-quinazolinone, 9CI. 6-Methyl-4-quinazolinol

[19181-53-4]

$C_9H_9N_2O$ M 160.1

CAS no. refers to the oxo-tautomer. Cryst.

(EtOH). Mp 258° (242°).

Baker, B.R. *et al*, *J.O.C.*, 1952, **17**, 141 (synth)

Gupton, J.T. *et al*, *Synth. Commun.*, 1984, **14**,
 1013 (synth, ir, pmr)

Stevenson, T.M. *et al*, *J.O.C.*, 1986, **51**, 616
 (synth)

4-Hydroxy-7-methylquinazoline **H-1-00144**

7-Methyl-4(1H)-quinazolinone, 9CI. 7-Methyl-4-quinazolinol

[75844-40-5]

$C_9H_9N_2O$ M 160.1

CAS no. refers to the oxo-tautomer. Needles
 (EtOH). Mp 239-240°.

Baker, B.R. *et al*, *J.O.C.*, 1952, **17**, 141 (synth)

4-Hydroxy-8-methylquinazoline H-1-00145

8-Methyl-4-(1H)-quinazolinone, 9CI. 8-Methyl-4-quinazolinol

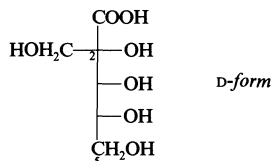
[19181-54-5]

C₉H₈N₂O M 160.1

Needles (EtOH). Mp 264-267° (251°).

Baker, B.R. *et al*, *J.O.C.*, 1952, **17**, 141 (*synth*)Gupton, J.T. *et al*, *Synth. Commun.*, 1984, **14**, 1013 (*synth, ir, pmr*)**2-C-(Hydroxymethyl)ribonic acid, 9CI** H-1-00146

2-Carboxyarabinitol. Hamamelonic acid

C₆H₁₂O₇ M 196.1*D-form* [469-09-0]Constit. of numerous plant spp. Needles (MeOH aq.) (as NH₄ salt). Mp 152° (NH₄ salt). [α]_D -3.9 (c, 10 in H₂O).

5-O-Phosphate: [112160-91-5].

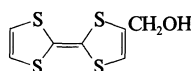
C₆H₁₃O₁₀P M 276.1 Isol. from the leaves of *Phaseolus vulgaris*. Inhibitor of ribulose 1,5-bisphosphate carboxylase.*L-form*Needles (MeOH aq.) (as NH₄ salt). Mp 151-152° (NH₄ salt). [α]_D +4.8 (c, 1.2 in 1M NH₄OH).*γ-Lactone*:C₆H₁₀O₆ M 178.1 Plates (MeCN/CHCl₃). Mp 88-89°. [α]_D -74 (c, 2.1 in H₂O).*γ-Lactone, tetra-Ac*:C₁₄H₁₈O₁₀ M 346.2 Cryst. (EtOH). Mp 103-104°. [α]_D -102 (c, 1.6 in CHCl₃).

[98587-21-4, 122907-93-1]

Ferrier, R.J., *J.C.S.*, 1962, 3544 (*synth*)Burton, J.S. *et al*, *J.C.S.*, 1965, 3433 (*synth*)Thanbichler, A. *et al*, *Z. Naturforsch., B*, 1971, **26**, 912 (*synth*)Gutteridge, S. *et al*, *Biochem. J.*, 1989, **260**, 711 (*synth*)Beck, E. *et al*, *Plant Physiol.*, 1989, **90**, 13 (*pmr, cmr*)Moore, B.D. *et al*, *Phytochemistry*, 1993, **34**, 703 (*occur*)**2-(Hydroxymethyl) tetrathiafulvalene** H-1-00147

2-(1,3-Dithiol-2-ylidene)-1,3-dithiole-4-methanol, 9CI

[68128-93-8]

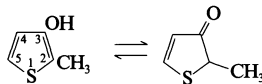
C₇H₆OS₄ M 234.3

Used in the study of electrically conducting charge - transfer salts. Yellow cryst. (isooctane/toluene). Mp 70-71°. Dec. on standing in air.

Ac:C₉H₈O₂S₄ M 276.4 Orange solid. Mp 94-95°.Green, D.C., *J.O.C.*, 1979, **44**, 1476 (*synth, ir, pmr, uv*)Garin, J. *et al*, *Synthesis*, 1994, 489 (*synth, Ac, cmr, pmr*)**3-Hydroxy-2-methylthiophene** H-1-00148

2-Methylthiophen-3(2H)-one, 9CI. 2-Methylthiophene-3-ol, 9CI

[3760-22-3]

C₆H₆OS M 114.1Mixt. of tautomers in soln. Liq. Bp₁₂ 92-98°, Bp_{0.2} 76-78°. n_D²⁰ 1.5460.*Ac*:C₇H₈O₂S M 156.2 Liq. Bp₁₀ 86°. n_D²⁰ 1.5123.

[3760-25-6]

Hornfeldt, A.B., *Acta Chem. Scand.*, 1965, **19**, 1249 (*synth, tautom, pmr*)Hunter, G.A. *et al*, *J.C.S. Perkin 1*, 1995, 1209 (*synth, pmr, cmr*)**4-Hydroxy-2-methylthiophene** H-1-00149

5-Methylthiophen-3(2H)-one, 9CI. 5-Methylthiophene-3-ol, 9CI

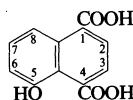
[128889-82-7]

C₅H₆OS M 114.1Bp_{0.2} 57-59°.

[121781-88-2]

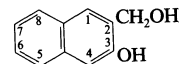
Hunter, G.A. *et al*, *J.C.S. Perkin 1*, 1995, 1209 (*synth, pmr, cmr, ms*)**4-Hydroxy-3-methylthiophene** H-1-00150

4-Methylthiophen-3(2H)-one. 4-Methylthiophene-3-ol

C₅H₆OS M 114.1Bp_{0.1} 56-58°. n_D²⁰ 1.5589.Mühlstädt, M. *et al*, *Chem. Ber.*, 1968, **101**, 1052 (*synth*)**5-Hydroxy-1,4-naphthalenedicarboxylic acid** H-1-00151C₁₂H₈O₅ M 232.1*Dinitrile*: 5,8-Dicyano-1-naphtholC₁₂H₆N₂O M 194.1 Light yellow prisms. Mp 273-277°.*Dinitrile, Ac*:C₁₄H₈N₂O₂ M 236.2 Yellow prisms. Mp 147-149°.Tolbert, L.M. *et al*, *J.A.C.S.*, 1994, **116**, 10593.**6-Hydroxy-1,4-naphthalenedicarboxylic acid** H-1-00152C₁₂H₈O₅ M 232.1*Dinitrile*: 5,8-Dicyano-2-naphtholC₁₂H₆N₂O M 194.1 Light yellow solid. Mp 300-310° dec.*Me ether, dinitrile*: 1,4-Dicyano-6-methoxynaphthaleneC₁₃H₈N₂O M 208.2 Prisms. Mp 217-218°.Tolbert, L.M. *et al*, *J.A.C.S.*, 1994, **116**, 10593.**3-Hydroxy-2-naphthalenemethanol, 9CI, 8CI** H-1-00153

3-Hydroxymethyl-2-naphthol

[30159-70-7]

C₁₁H₁₀O₂ M 174.1

Cryst. (EtOH). Mp 188-189°.

Miller, L.E. *et al*, *J.A.C.S.*, 1954, **76**, 296 (*synth*)Emmott, P. *et al*, *J.C.S.*, 1957, 3144 (*synth*)Przhiyalgovskaya, N.M. *et al*, *Zh. Obshch. Khim.*, 1961, **31**, 2321 (*synth*)**4-Hydroxy-2-naphthalenemethanol, 9CI, 8CI** H-1-00154

3-Hydroxymethyl-1-naphthol

C₁₁H₁₀O₂ M 174.1

Mp 98-99°.

Di-Ac:C₁₅H₁₄O₄ M 258.2 Mp 76-78°.Yares'ko, N.S. *et al*, *Zh. Obshch. Khim.*, 1964, **34**, 1250; *CA*, **61**, 3041f (*synth*)**8-Hydroxy-1-naphthalenemethanol, 9CI, 8CI** H-1-00155

8-Hydroxymethyl-1-naphthol

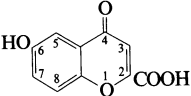
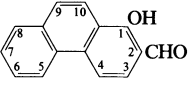
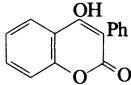
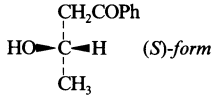
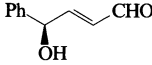
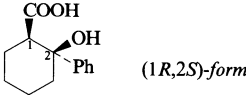
[18500-91-9]

C₁₁H₁₀O₂ M 174.1Needles (C₆H₆/Me₂CO). Mp 144-146°.*l'-Ac*: [35689-24-8].C₁₃H₁₂O₃ M 216.2 Prisms (C₆H₆). Mp 113-114°.*Di-Ac*: [35688-95-0].C₁₅H₁₄O₄ M 258.2 Cryst. (C₆H₆/petrol). Mp 81-83°.*8-Me ether*: [19190-42-2]. 8-Methoxy-1-naphthalenemethanol, 9CIC₁₂H₁₂O₂ M 188.2 Cryst. (C₆H₆). Mp 88-90°.Packer, R.J. *et al*, *J.C.S.(C)*, 1967, 2194 (*synth*)Berry, D. *et al*, *J.C.S. Perkin 1*, 1972, 699 (*synth, derivs, ir, uv*)**1-Hydroxy-7-nitroisoquinoline** H-1-00156

7-Nitro-1(2H)-isoquinolinone. 7-Nitroisocarbostryl, 8CI. 7-Nitro-1-isoquinolinol

[20141-83-7]

C₉H₆N₂O₃ M 190.1Cryst. (MeOH or Me₂CO). Mp 265-267° (253-254°).*NH-form**N-Me*: [54931-51-0]. 2-Methyl-7-nitro-1(2H)-isoquinolinoneC₁₀H₈N₂O₃ M 204.1 Orange needles (EtOH). Mp 214-216°.Kawazoe, Y. *et al*, *Chem. Pharm. Bull.*, 1968, **16**, 715 (*synth*)

- Henry, R.A. *et al*, *J.O.C.*, 1975, **40**, 1760 (*N-Me*)
Sugimoto, A. *et al*, *Synthesis*, 1995, 431 (*synth*, *N-Me*, *ir*, *pmr*, *ms*)
- 3-Hydroxy-2-nitropropanoic acid, 9CI** **H-1-00157**
2-Nitrohydracrylic acid, 8CI
HOCH₂CH(NO₂)COOH
C₃H₅NO₅ M 135.0
Et ester: [96040-01-6].
C₅H₉NO₅ M 163.1 Liq. Bp₂ 102-103°, Bp_{0.06} 85°.
Bavievskii, K.K. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1965, **160**, 105; *CA*, **62**, 11702e (*synth*)
Eyer, M. *et al*, *J.A.C.S.*, 1985, **107**, 3601 (*synth*, *ir*, *pmr*, *ms*)
Rozen, S. *et al*, *J.O.C.*, 1994, **59**, 1208 (*synth*)
- 6-Hydroxy-4-oxo-4H-1-benzopyran-2-carboxylic acid** **H-1-00158**
6-Hydroxychromone-2-carboxylic acid
[14718-40-2]

C₁₀H₆O₅ M 206.1
Yellow needles (EtOH). Mp 297° (293-294°) dec.
Stoermer, M.J. *et al*, *Aust. J. Chem.*, 1995, **48**, 677 (*synth*, *pmr*, *cmr*)
- 7-Hydroxy-4-oxo-4H-1-benzopyran-2-carboxylic acid** **H-1-00159**
7-Hydroxychromone-2-carboxylic acid
[30113-83-8]
C₁₀H₆O₅ M 206.1
Me ether: 7-Methoxy-4-oxo-4H-1-benzopyran-2-carboxylic acid
C₁₁H₈O₅ M 220.1 Mp 274-276° dec. (265°).
Stoermer, M.J. *et al*, *Aust. J. Chem.*, 1995, **48**, 677 (*synth*, *pmr*, *cmr*)
- 8-Hydroxy-4-oxo-4H-1-benzopyran-2-carboxylic acid** **H-1-00160**
8-Hydroxychromone-2-carboxylic acid
[129472-71-5]
C₁₀H₆O₅ M 206.1
Needles + 2 H₂O (EtOH). Mp 254-255° dec.
Me ether: 8-Methoxy-4-oxo-4H-1-benzopyran-2-carboxylic acid
C₁₁H₈O₅ M 220.1 Cream needles (EtOH). Mp 260-262° dec. (247-249°).
Stoermer, M.J. *et al*, *Aust. J. Chem.*, 1995, **48**, 677 (*synth*, *pmr*, *cmr*)
- 1-Hydroxy-2-phenanthrene-carboxaldehyde** **H-1-00161**
2-Formyl-1-phenanthrol
[59292-76-1]

C₁₅H₁₀O₂ M 222.2
Pale yellow leaflets. Mp 128°.
Cagniant, P. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1976, **282**, 465 (*synth*)
- 3-Hydroxy-4-phenanthrene-carboxaldehyde** **H-1-00162**
4-Formyl-3-phenanthrol
[10386-43-3]
C₁₅H₁₀O₂ M 222.2
Cryst. (Et₂O/petrol). Mp 98°.
Zawadowski, T., *CA*, 1967, **67**, 53915s (*synth*)
- 3-Hydroxy-9-phenanthrene-carboxaldehyde** **H-1-00163**
9-Formyl-3-phenanthrol
[17850-73-6]
C₁₅H₁₀O₂ M 222.2
Cryst. (CHCl₃/petrol). Mp 113-114.5°.
Bronovitskaya, V.P. *et al*, *Zh. Org. Khim.*, 1968, **4**, 340.
- 4-Hydroxy-3-phenanthrene-carboxaldehyde** **H-1-00164**
3-Formyl-4-phenanthrol
[59292-77-2]
C₁₅H₁₀O₂ M 222.2
Yellow-brown leaflets. Mp 109°.
Cagniant, P. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1976, **282**, 465 (*synth*)
- 10-Hydroxy-9-phenanthrene-carboxaldehyde** **H-1-00165**
10-Formyl-9-phenanthrol
[16278-20-9]
C₁₅H₁₀O₂ M 222.2
Yellow cryst. (EtOH or CHCl₃/petrol). Mp 135-136°.
Litinas, K.E. *et al*, *J.C.S. Perkin 1*, 1985, 429 (*synth*, *pmr*, *ms*)
Alarcón, S.H. *et al*, *Tetrahedron*, 1995, **51**, 4619 (*synth*, *ir*, *pmr*, *cmr*, *ms*)
- 4-Hydroxy-3-phenyl-2H-1-benzopyran-2-one, 9CI** **H-1-00166**
4-Hydroxy-3-phenylcoumarin
[1786-05-6]

C₁₅H₁₀O₃ M 238.2
Needles (MeOH/C₆H₆). Mp 238-239°.
Geoghegan, M. *et al*, *Tetrahedron*, 1966, **22**, 3209 (*synth*, *w*)
Kirkiacharian, B.S. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1977, **284**, 697 (*cmr*)
- Barton, D.H.R. *et al*, *J.C.S. Perkin 1*, 1992, 1365 (*ir*, *ms*, *pmr*)
Clerici, A. *et al*, *Synthesis*, 1993, 99 (*synth*, *ir*, *ms*)
- 3-Hydroxy-1-phenyl-1-butanone, 9CI** **H-1-00167**
3-Hydroxybutyrophenone, 8CI. 1-Benzoyl-2-propanol
[13505-39-0]

C₁₀H₁₂O₂ M 164.2
(S)-form [105735-20-4]
Oil. [α]_D²⁴ + 68.4 (c, 3.6 in CHCl₃) (98% ee).
(±)-form [105927-50-2]
Oil. Bp₁₂ 150-151°.
2,4-Dinitrophenylhydrazine: Cryst. (EtOH). Mp 178-179°.
Semicarbazone: Mp 153-154°.
[116660-74-3]
Staudinger, H. *et al*, *Annalen*, 1911, **384**, 124 (*synth*)
Baldwin, J.E. *et al*, *J.C.S.*, 1962, 4743 (*synth*, *w*)
Fauve, A. *et al*, *J.O.C.*, 1988, **54**, 5215 (*synth*, *pmr*, *bibl*)
Takeshita, M. *et al*, *J.C.S. Perkin 1*, 1993, 2901 (*synth*, *pmr*,)
- 4-Hydroxy-4-phenyl-2-butenal, 9CI** **H-1-00168**

C₁₀H₁₀O₂ M 162.1
(2E,4R)-form [147513-34-6]
[α]_D²⁵ + 222.9 (c, 0.79 in CHCl₃) (95% ee).
Yu, L. *et al*, *Chem. Comm.*, 1993, 232 (*synth*)
- 2-Hydroxy-2-phenylcyclohexanecarboxylic acid, 9CI** **H-1-00169**
Cicloxilic acid, INN. Plecton. Sintibabil

C₁₃H₁₆O₃ M 220.2
Choleretic agent; used to treat liver disorders. Starting material used in synth. of dialkylaminoethyl or aminocycloalkyl esters (spasmolytic agents).
(1R,2S)-form [154098-18-7]
(+)-cis-form
Cryst. (EtOH aq.). [α]_D + 12.88 (c, 1 in 0.5M NaOH) (98% ee).
(1S,2R)-form [154028-93-0]
(-)-cis-form
Cryst. Mp 135-137°. [α]_D - 12.7 (c, 1 in 0.5M NaOH) (98% ee).
(1R,2SR)-form [57808-63-6]
(±)-cis-form
Mp 145-147°.

▶ LD₅₀ (rat, orl) 1570 mg/kg. LD₅₀ (rat, ipr) 1040 mg/kg. GU8582800.
 Zimmermann, H. *et al*, *J.A.C.S.*, 1954, **76**, 2285 (synth)
Ger. Pat., 2 427 290, (1975) (*Guidotti Internat*); *CA*, **84**, 43643p (synth)
 Bramanti, G. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 1205 (*props, pharmacol, config, pmr, ir*)
 De Angelis, L., *Drugs of Today (Barcelona)*, 1979, **15**, 163 (*rev*)
 Subissi, A. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 1310 (*activity*)
 Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, London, 1993, 1353.
 Salvadori, P. *et al*, *Tetrahedron*, 1994, **50**, 205 (*abs config, cd, synth*)

5-Hydroxy-4-phenylisoxazole H-1-00170

4-Phenyl-5(2H)-isoxazolone, 9CI. 4-Phenyl-5-isoxazolol, 9CI
 [17147-69-2]



C₉H₇NO₂ M 161.1
 Cryst. (EtOH), Mp 135-137° (131-133°) dec.
 pK_a 3.50 (25°, H₂O).

NH-form

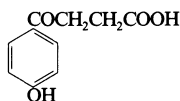
N-Benzoyl: [17147-77-2].
 C₁₆H₁₁NO₃ M 265.2 Cryst. (EtOH).
 Mp 161°.
 N-Me: [7713-60-2]. 2-Methyl-4-phenyl-5(2H)-isoxazolone
 C₁₀H₉NO₂ M 175.1 Cryst. (EtOH).
 Mp 145-147°.
 N-Ph: [17229-74-2]. 2,4-Diphenyl-5(2H)-isoxazolone
 C₁₅H₁₁NO₂ M 237.2 Needles (EtOH).
 Mp 175° (170.5-172.5°).

[53485-13-5]

Rupe, H. *et al*, *Helv. Chim. Acta*, 1923, **6**, 102 (*N-Ph*)
 De Sarlo, F. *et al*, *Tetrahedron*, 1966, **22**, 2989 (*N-Me*)
 Eiden, F. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1967, **300**, 615 (*synth, ir*)
 De Sarlo, F. *et al*, *J. Het. Chem.*, 1967, **4**, 533 (*synth, uv*)
 Maquestiau, A. *et al*, *Org. Magn. Reson.*, 1974, **6**, 224 (*N-15 nmr, tautom*)
 Beccalli, E.M. *et al*, *J.O.C.*, 1984, **49**, 4287 (*synth*)
 Prager, R.H. *et al*, *Aust. J. Chem.*, 1994, **47**, 1673 (*pmr*)

4-(4-Hydroxyphenyl)-4-oxobutanoic acid H-1-00171

4-Hydroxy-γ-oxobenzenebutanoic acid, 9CI. 3-(4-Hydroxybenzoyl)propanoic acid
 [56872-39-0]



C₁₀H₁₀O₄ M 194.1
 Me ester: [39560-32-2].
 C₁₁H₁₂O₄ M 208.2 Cryst. (MeOH aq.). Mp 114-117°.
 Et ester: [66123-43-1].
 C₁₂H₁₄O₄ M 222.2 Mp 108-110°.

Nitrile: [7182-43-6]. 4-(4-Hydroxyphenyl)-4-oxobutanenitrile
 C₁₀H₉NO₂ M 175.1 Mp 155-157°.

Nitrile, Me ether: [55234-56-5]. 4-(4-Ethoxyphenyl)-4-oxobutanenitrile
 C₁₁H₁₁NO₂ M 189.2 Mp 90-92°.

Me ether: [3153-44-4]. 4-(4-Methoxyphenyl)-4-oxobutanoic acid
 C₁₁H₁₂O₄ M 208.2 Cryst. (MeOH).
 Mp 144-145°.

Et ether: [53623-37-3]. 4-(4-Ethoxyphenyl)-4-oxobutanoic acid
 C₁₂H₁₄O₄ M 222.2 Needles (C₆H₆).
 Mp 138-139°.

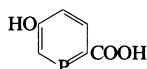
▶ Irritant.

Gabriel, S. *et al*, *Chem. Ber.*, 1899, **32**, 404 (*Et ether*)
 Rao, Y.S. *et al*, *Org. Prep. Proced. Int.*, 1971, **3**, 177 (*Me ether*)

Kuchar, M. *et al*, *Coll. Czech. Chem. Comm.*, 1986, **51**, 2617 (*synth, Me ester, Me ether*)
 Dillard, R.D. *et al*, *J. Med. Chem.*, 1991, **34**, 2768 (*Et ester*)

5-Hydroxy-2-phosphorincaroxylic acid, 9CI H-1-00172

[109541-67-5]



C₆H₆O₃P M 156.0
 Solid. Mp 172°.

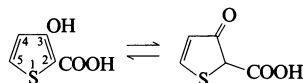
Et ester: [108803-49-2]. Ethyl 5-hydroxy-2-phosphorincaroxylate
 C₈H₉O₃P M 184.1 Solid. Mp 135°.

Dimethylamide: [109541-69-7]. 5-Hydroxy-N,N-dimethyl-2-phosphorincaroxyamide
 C₈H₁₀NO₂P M 183.1 No phys. props. reported.

Pellon, P. *et al*, *Tet. Lett.*, 1986, **27**, 4299, 5611 (*synth, ms, pmr, P-31 nmr*)

3-Hydroxy-2-thiophenecarboxylic acid H-1-00173

3-Oxo-2H-thiophene-2-carboxylic acid



C₅H₄O₃S M 144.1
 Plates (Me₂CO). Mp 108°.

Me ester:
 C₆H₆O₃S M 158.1 Prisms (MeOH).
 Mp 40°. Bp₁₃ 108°.

Et ester:

C₇H₈O₃S M 172.2 Liq. Bp₁₆ 109°, Bp_{0.4} 63-65°, Bp_{0.1} 73-75°.

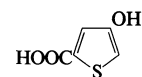
O-tert-Butyl, Et ester:

C₁₁H₁₆O₃S M 228.3 Liq. Bp_{0.3} 96-98°.

Fiesselmann, H. *et al*, *Chem. Ber.*, 1954, **87**, 841 (*synth*)

Jakobsen, H.J. *et al*, *Tetrahedron*, 1965, **21**, 3331 (*Et ester, synth*)

Hunter, G.A. *et al*, *J.C.S. Perkin 1*, 1995, 1209 (*Et ester synth, pmr, cmr, ms*)

3-Hydroxy-5-thiophenecarboxylic acid H-1-00174

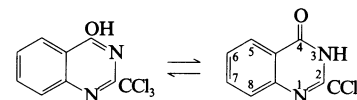
C₆H₄O₃S M 144.1

Plates (C₆H₆/dioxan). Mp 202°.

Fiesselmann, H. *et al*, *Chem. Ber.*, 1954, **87**, 841 (*synth*)

4-Hydroxy-2-(trichloromethyl)quinazoline H-1-00175

2-(Trichloromethyl)-4(1H)-quinazolinone, 9CI.
 2-(Trichloromethyl)-4(3H)-quinazolinone
 [5558-95-2]



C₉H₅Cl₃N₂O M 263.5

3H-form (illus.) prob. in equilib. with 1H and OH-forms. Cryst. (MeOH). Mp 211-213°.

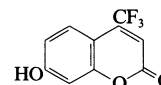
Samurai, L.I. *et al*, *Zh. Org. Khim.*, 1965, **1**, 2004; *CA*, **64**, 8180b (*synth*)

Holan, G. *et al*, *J.C.S.(C)*, 1967, 20 (*synth, ir, uv*)

Vovk, M.V. *et al*, *Khim. Geterotsikl. Soedin.*, 1991, 698; *CA*, **115**, 279947a (*synth*)

7-Hydroxy-4-(trifluoromethyl)-2H-1-benzopyran-2-one, 9CI H-1-00176

7-Hydroxy-4-(trifluoromethyl)coumarin
 [575-03-1]



C₁₀H₅F₃O₃ M 230.1

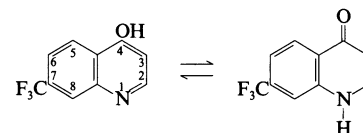
Cryst. Mp 184-185°.

Bayer, V. *et al*, *J. Fluorine Chem.*, 1982, **20**, 187 (*synth, pmr, F-19 nmr*)

Pastor, R.E. *et al*, *Can. J. Chem.*, 1987, **65**, 1356 (*cmr*)

4-Hydroxy-7-(trifluoromethyl)quinoline H-1-00177

7-Trifluoromethyl-4(1H)-quinolinone. 7-Trifluoromethyl-4-quinolinol, 9CI
 [322-97-4]



C₁₀H₆F₃NO M 213.1

Cryst. (EtOH aq.). Mp 266-269°.

Aldrich Library of FT-IR Spectra, 1st edn., **2**, 860D.

Aldrich Library of NMR Spectra, 2nd edn., **2**, 737D.

Snyder, H.R. *et al*, *J.A.C.S.*, 1947, **69**, 371 (*synth*)

Mooradian, A. *et al*, *J.A.C.S.*, 1949, **71**, 3507 (*synth*)

4-Hydroxy-8-(trifluoromethyl) quinoline H-1-00178

8-Trifluoromethyl-4(1H)-quinolinone. 8-Trifluoromethyl-4-quinolinol, 9CI

[23779-96-6]

C₁₀H₆F₃NO M 213.1

Cryst. (Me₂CO). Mp 180°.

Ger. Pat., 1 815 467, (1969); CA, 71, 91340r (synth)

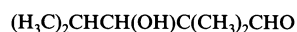
Barlin, G.B. et al, Aust. J. Chem., 1992, 46, 21 (synth, pmr)

3-Hydroxy-2,2,4-trimethylpentanal, 9CI H-1-00179

3-Hydroxy-2,2,4-trimethylvaleraldehyde, 8CI.

2,2,4,4-Tetramethylaldol. Isobutyraldol

[918-79-6]



C₈H₁₆O₂ M 144.2

(±)-form

Bp₁₃ 89-90°, Bp₄ 75-77°.

Oxime: [27050-87-9].

C₈H₁₇NO₂ M 159.2 Bp_{0.5} 92-95°.

Saunders, R.D. et al, J.A.C.S., 1943, 65, 1714 (synth)

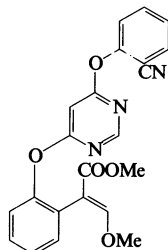
Hine, J. et al, J.O.C., 1965, 30, 1184 (pmr)

Nakano, T. et al, Synthesis, 1986, 774 (synth, cmr)

I

ICI A5504

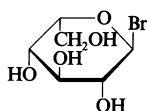
1-1-00001
Methyl 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- α -(methoxymethylene)benzeneacetate
[131860-33-8]



$C_{22}H_{17}N_3O_5$ M 403.3
Fungicide with protectant, systemic and eradicant props.
Eur. Pat., 382 375, (1990); *CA*, **114**, 81870f (synth)
Clough, J.M. *et al*, *Chem. Br.*, 1995, 466 (rev)

Idopyranosyl bromide

1-1-00002



$C_6H_{11}BrO_5$ M 243.0

α -L-form

Tetra-Ac: [14795-18-7].

$C_{14}H_{19}BrO_9$ M 411.2 Cryst.
(CH_2Cl_2 /Et₂O/pentane). Mp 126-127°.
[α]_D -120 (c, 0.75 in $CHCl_3$).

2,3,4-Tribenzoyl, 6-Ac: [117129-63-2].

$C_{29}H_{25}BrO_9$ M 597.4 Syrup.

3-Benzyl, tri-Ac: [103703-02-2].

$C_{19}H_{23}BrO_8$ M 459.2 Syrup.

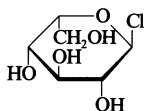
Eur. Pat., 84 999, (1983); *CA*, **100**, 7066t (*tetra-Ac*)

Van Boeckel, C.A.A. *et al*, *J. Carbohydr. Chem.*, 1985, **4**, 293 (*tri-Ac*)

Petitou, M. *et al*, *Tet. Lett.*, 1988, **29**, 1389 (*tribenzoyl*)

Idopyranosyl chloride

1-1-00003



$C_6H_{11}ClO_5$ M 198.6

α -L-form

2,3,4-Tribenzyl, 6-(chloroacetyl): [109914-66-1].

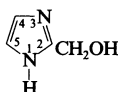
$C_{29}H_{30}Cl_2O_6$ M 545.4 Syrup. [α]_D²⁰⁻²⁴ -41 (c, 1 in $CHCl_3$). Unstable at ambient temp.

Jacquinet, J.C. *et al*, *Carbohydr. Res.*, 1987, **159**, 229 (*tribenzyl deriv. pmr*)

1H-Imidazole-2-methanol, 9CI

1-1-00004

2-(Hydroxymethyl)-1H-imidazole
[3724-26-3]



$C_4H_6N_2O$ M 98.1

Syrup; cryst. (95% EtOH).

Hydrochloride: Needles (EtOH/Et₂O). Mp 111-113°.

Picrate: Yellow needles (EtOH). Mp 151-152°.

N-Me: [17334-08-6]. 2-(Hydroxymethyl)-1-methylglyoxaline

$C_5H_8N_2O$ M 112.1 Cryst. (MeOH). Mp 103-105°.

Jones, R.G., *J.A.C.S.*, 1949, **71**, 383 (*synth*)

Jocelyn, P.C. *et al*, *J.C.S.*, 1957, 3305 (*N-Me*)

Iversen, P.E. *et al*, *Acta Chem. Scand.*, 1966, **20**, 2649 (*N-Me*)

Alley, P.W., *J.O.C.*, 1975, **40**, 1837 (*synth, bibl, pmr*)

Somayaji, V. *et al*, *J.O.C.*, 1986, **51**, 4866

(*synth, bibl, N-Me*)

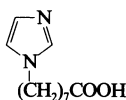
Reese, C.B. *et al*, *J.C.S. Perkin 1*, 1993, 2291 (*N-Me, synth, pmr*)

1H-Imidazole-1-octanoic acid, 1-1-00005

9CI

OKY 025. OKY 1553

[68887-68-3]



$C_{11}H_{18}N_2O_2$ M 210.2

Thromboxane synthetase inhibitor.

Antineoplastic agent.

Hydrochloride: [72348-99-3].

Leaflets (EtOH). Mp 153-154°.

Me ester: [72338-73-9].

$C_{12}H_{20}N_2O_2$ M 224.3 Pale yellow oil.
Bp_{1.0} 165-170°.

[73031-33-1]

Tanouchi, T. *et al*, *J. Med. Chem.*, 1981, **24**,

1139, 1149 (*synth, ir, pmr, pharmacol*)

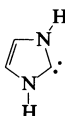
Kayama, N. *et al*, *Prostaglandins*, 1981, **21**, 543 (*activity*)

Butler, K.D. *et al*, *Thromb. Haemostasis*, 1982, **47**, 46 (*pharmacol*)

Groves, J.T. *et al*, *J.A.C.S.*, 1989, **111**, 2900 (*synth, pmr*)

2-Imidazolylidene

1-1-00006



$C_3H_4N_2$ M 68.0

N,N'-Di-Me: [52356-52-2]. 1,3-Dihydro-1,3-dimethyl-2H-imidazol-2-ylidene, 9CI

$C_5H_6N_2$ M 96.1 Simple isolable carbene. Liq. Stable several days in soln., neat liq. rapidly dec.

N,N'-Di-1-adamantyl:

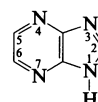
$C_{23}H_{32}N_2$ M 336.5 First authenticated stable carbene. Prisms (toluene). Mp 240-241°. Melts undec. Stable in absence of air and moisture.

Arduengo, A.J. *et al*, *J.A.C.S.*, 1991, **113**, 361; 1992, **114**, 5530 (*synth, pmr, cmr, cryst struct*)

1H-Imidazo[4,5-b]pyrazine, 9CI

1-1-00007

[273-94-9]



$C_5H_4N_4$ M 120.1

Cryst. (H₂O). Mp 258-259°.

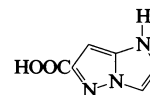
Muehlmann, F.L. *et al*, *J.A.C.S.*, 1956, **78**, 242 (*synth*)

Sharma, R.A. *et al*, *J. Med. Chem.*, 1973, **16**, 643 (*synth, pmr*)

1H-Imidazo[1,2-b]pyrazole-6-carboxylic acid

1-1-00008

[159181-78-9]



$C_6H_5N_3O_2$ M 151.1

Solid. Mp 230° dec.

Et ester:

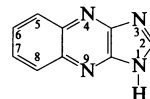
$C_8H_9N_3O_2$ M 179.1 Cryst. (EtOAc/hexane). Mp 160°.

Vanotti, E. *et al*, *J. Het. Chem.*, 1994, **31**, 737.

1H-Imidazo[4,5-b]quinoxaline

1-1-00009

[269-81-8]



$C_9H_6N_4$ M 170.1

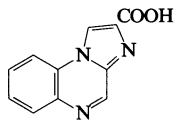
Cryst. (AcOH). Mp 286°.

Schipper, E. *et al*, *J.A.C.S.*, 1951, **73**, 5672

(*synth, uv*)

Obafemi, C.A. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1549 (*synth, uv, pmr*)

Imidazo[1,2-a]quinoxaline-2-carboxylic acid, 9CI I-1-00010
Dazoquinast, INN
[76002-75-0]

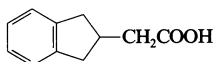


$C_{11}H_7N_3O_2$ M 213.1
Antiallergic agent. Cryst. (EtOH aq.). Mp 274-275°.

[76013-27-9]

Ager, I.R. *et al*, *J. Med. Chem.*, 1988, **31**, 1098 (synth, pharmacol)

2-Indaneacetic acid I-1-00011
2,3-Dihydro-1H-indene-2-acetic acid, 9CI
[37868-26-1]



$C_{11}H_{12}O_2$ M 176.2
Cryst. (EtOH aq.). Mp 88-90°. Bp_{0.8} 142-144°.

Me ester: [53273-37-3].

$C_{12}H_{14}O_2$ M 190.2 Liq. Bp_{0.7} 90°. n_D^{25} 1.5168.

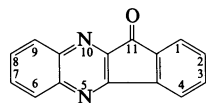
Chloride: [18691-34-4].

$C_{11}H_{11}ClO$ M 194.6 Oil. Bp₃ 115-116°.

Bergmann, E. *et al*, *J.O.C.*, 1961, **26**, 3555 (ester)

Tanaka, Y. *et al*, *J. Med. Chem.*, 1994, **37**, 2071 (synth, ir, pmr)

11H-Indeno[1,2-b]quinoxalin-11-one, 9CI I-1-00012
[6954-91-2]



$C_{15}H_8N_2O$ M 232.2
Yellow needles (MeOH or EtOH). Mp 220-221° (217-219°).

Oxime: [23146-22-7].

$C_{15}H_9N_3O$ M 247.2 Needles (EtOH aq.). Mp 257°.

5-Oxide: [6965-50-0].

$C_{15}H_8N_2O_2$ M 248.2 Orange needles (C₆H₆). Mp 275° dec. (268-271° dec.).

6,7,8,9-Tetrahydro: [124942-09-2].

$C_{15}H_{12}N_2O$ M 236.2 Yellow needles (EtOAc). Mp 178-182°.

6,7,8,9-Tetrahydro, 5-oxide:

$C_{15}H_{12}N_2O_2$ M 252.2 Yellow needles (DMSO). Mp 237-239°.

6,7,8,9-Tetrahydro, 10-oxide:

$C_{15}H_{12}N_2O_2$ M 252.2 Yellow needles (DMSO). Mp 269-271°.

6,7,8,9-Tetrahydro, 5,10-dioxide:

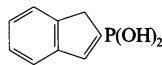
$C_{15}H_{12}N_2O_3$ M 268.2 Dark red prisms (EtOAc). Mp 193-195°.

Pfeiffer, P. *et al*, *Ber.*, 1938, **71**, 272 (synth)

Pearson, B.D. *et al*, *J.O.C.*, 1962, **27**, 1674 (synth, oxime, 5-oxide, uv, ir)

Schönberg, A. *et al*, *Chem. Ber.*, 1977, **110**, 3954 (uv, ir, cmr, ms)
Deady, L.W. *et al*, *Tetrahedron*, 1993, **49**, 9823 (pmr, 5-oxide)
Mazhukin, D.G. *et al*, *Annalen*, 1994, 983 (tetrahydro)

2-Indenylphosphonous acid, 9CI I-1-00013
2-Indenephosphonous acid



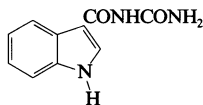
$C_9H_9O_2P$ M 180.1

Dichloride: [85741-86-2].

$C_9H_7Cl_2P$ M 217.0 Liq. Bp₂ 120-121°.

Timokhin, B.V. *et al*, *Zh. Obshch. Khim.*, 1983, **53**, 291; *J. Gen. Chem. USSR (Engl. Transl.)*, 1983, **53**, 252 (synth, P-31 nmr)

N-(1H-Indole-3-carbonyl)urea I-1-00014
N-(Aminocarbonyl)-1H-indole-3-carboxamide, 9CI
[159308-53-9]

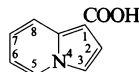


$C_{10}H_9N_3O_2$ M 203.2

Metab. from the sponge *Zyza massalis*.

Mancini, I. *et al*, *Helv. Chim. Acta*, 1994, **77**, 1886 (isol, uv, pmr, cmr, ms, struct)

1-Indolizinecarboxylic acid, 9CI I-1-00015
[90347-97-0]



$C_9H_7NO_2$ M 161.1
Needles (EtOH). Mp 184-185° dec.

Et ester:

$C_{11}H_{11}NO_2$ M 189.2 Pale yellow oil. Bp₃ 124°. Shows intense blue fluorescence in EtOH.

Amide: [14759-47-8].

$C_9H_8N_2O$ M 160.1 Needles (C₆H₆/EtOH). Mp 148-149°.

Nitrile: 1-Cyanoindolizine

$C_9H_6N_2$ M 142.1 Needles (petrol). Mp 52-53°.

Bragg, D.R. *et al*, *J.C.S.*, 1963, 3277 (synth)

Hurst, J. *et al*, *J.C.S.*, 1965, 2948 (synth, ir, nitrile)

Melton, T. *et al*, *J.C.S.(C)*, 1967, 983 (synth, ir, amide)

2-Indolizinecarboxylic acid, 9CI I-1-00016
Pyrrolo[1,2-a]pyridine-2-carboxylic acid. 2-Pyrrocolinecarboxylic acid (obsol.)

[3189-48-8]

$C_9H_7NO_2$ M 161.1

Small buff needles or cubes (EtOH). Mp 240-241° dec.

Me ester: [16959-62-9].

$C_{10}H_9NO_2$ M 175.1 Platelets (EtOH aq.); cryst. (hexane). Mp 97-99°.

Amide: [22320-23-6].

$C_9H_8N_2O$ M 160.1 Cryst. (H₂O). Mp 158°.

Nitrile: [153274-67-0]. 2-Cyanoindolizine

$C_9H_6N_2$ M 142.1 Cryst. (hexane). Mp 67.5-69°.

Diels, O. *et al*, *Annalen*, 1932, **498**, 16 (synth)

Borrows, E.T. *et al*, *J.C.S.*, 1947, 672 (synth)

Wiley, R.H. *et al*, *J.O.C.*, 1953, **18**, 836 (synth)

Jones, G. *et al*, *J.C.S.(C)*, 1969, 901 (amide, ester)

Bode, M.L. *et al*, *J.C.S. Perkin 1*, 1990, 1612; 1993, 1809; 1994, 3023 (deriv, synth, ir, pmr, cmr)

3-Indolizinecarboxylic acid, 9CI I-1-00017

$C_9H_7NO_2$ M 161.1

Me ester: [22320-25-8].

$C_{10}H_9NO_2$ M 175.1 Liq. Bp₁₄ 144-146°.

Chloride: [22380-17-2].

C_9H_6ClNO M 179.6 Cryst. (petrol). Mp 82°.

Amide: [22320-27-0].

$C_9H_8N_2O$ M 160.1 Cryst. (EtOAc). Mp 146-147°.

Nitrile: [72090-73-4]. 3-Cyanoindolizine

$C_9H_6N_2$ M 142.1 Cryst. Mp 46-48°.

[55814-14-7]

Jones, G. *et al*, *J.C.S.(C)*, 1969, 901 (synth, ir, pmr, derivs)

Matsumoto, K. *et al*, *Synthesis*, 1979, 746 (synth, nitrile)

8-Indolizinecarboxylic acid I-1-00018

$C_9H_7NO_2$ M 161.1

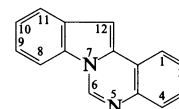
Nitrile: [52951-21-0]. 8-Cyanoindolizine

$C_9H_6N_2$ M 142.1 Fine, lemon-yellow needles with a penetrating odour. Mp 74-75°.

[71081-71-5]

Jutz, C. *et al*, *Angew. Chem., Int. Ed.*, 1974, **13**, 737 (synth, pmr, uv, nitrile)

Indolo[1,2-c]quinazoline, 9CI I-1-00019
[239-43-0]



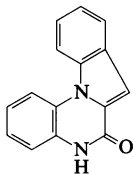
$C_{15}H_{10}N_2$ M 218.2
Cryst. (EtOH). Mp 201°.

Kiang, A.K. *et al*, *J.C.S.*, 1956, 1319 (synth)

Billimoria, A.D. *et al*, *J.O.C.*, 1994, **59**, 6777 (synth, pmr, ms)

Indolo[1,2-*a*]quinoxalin-6(5*H*)-one I-1-00020

6-Hydroxyindolo[1,2-*a*]quinoxaline.
Indolo[1,2-*a*]quinoxalin-6-ol



C₁₅H₁₀N₂O M 234.2
Beige solid (DMF). Mp > 300°.

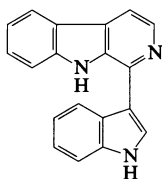
Beach, M.J. *et al*, *Synth. Commun.*, 1995, **25**,
2165 (*synth, ir, pmr*)

1-(3-Indolyl)-β-carboline I-1-00021

1-(1*H*-Indol-3-yl)-9*H*-pyrido[3,4-*b*]indole, 9*CI*.

Eudistomin U

[155885-64-6]



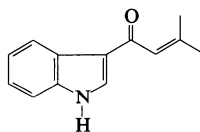
C₁₉H₁₃N₃ M 283.3

Alkaloid from the Caribbean ascidian
Lissoclinum fragile. Exhibits antibacterial
activity. Yellow foam.

Badre, A. *et al*, *J. Nat. Prod.*, 1994, **57**, 528
(*isol, uv, ir, pmr, cmr, ms, struct*)

1-(1*H*-Indol-3-yl)-3-methyl-2-buten-1-one, 9*CI* I-1-00022

3-(3-Methyl-1-oxo-2-butenyl)-1*H*-indole
[50615-00-4]



C₁₃H₁₃NO M 199.2

Alkaloid from root bark of *Pamburus missionis* (Rutaceae). Needles
(CH₂Cl₂/hexane). Mp 136.5-138° (130-131°).

Somei, M. *et al*, *Tet. Lett.*, 1973, 2451 (*synth*)
Wenkert, E. *et al*, *J.O.C.*, 1986, **51**, 2343 (*synth*)
Kumar, V. *et al*, *Phytochemistry*, 1994, **36**, 879
(*isol, uv, ir, pmr, cmr, ms*)

3-Iodobicyclo[1.1.1]pentan-1-ol I-1-00023

C₅H₇IO M 210.0

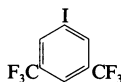
Me ether: [136863-37-1]. 1-Iodo-3-methoxybicyclo[1.1.1]pentane

C₆H₉IO M 224.0 No phys. props. descr.

Wiberg, K.B. *et al*, *J.A.C.S.*, 1991, **113**, 8995.
Della, E.W. *et al*, *J.O.C.*, 1994, **59**, 2986 (*Me ether, synth, pmr*)

1-Iodo-3,5-bis(trifluoromethyl)benzene, 9*CI* I-1-00024

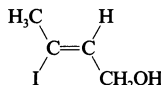
[328-73-4]



C₈H₃F₆I M 340.0

Oil. d 1.92. Bp₁₀ 59-61°.

Ross, S.D. *et al*, *J.A.C.S.*, 1953, **75**, 4967 (*synth*)
Fujiki, K. *et al*, *J. Fluorine Chem.*, 1992, **57**, 307
(*synth*)

3-Iodo-2-buten-1-ol I-1-00025

C₄H₇IO M 198.0

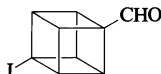
(*Z*)-form

Oil.

Beruben, D. *et al*, *J.O.C.*, 1995, **60**, 2488 (*synth, pmr, cmr*)

4-Iodo-1-cubanecarboxaldehyde I-1-00026

4-Iodopentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]octanecarboxaldehyde, 9*CI*. 1-Formyl-4-iodocubane
[163332-88-5]



C₉H₇IO M 258.0

Cryst. (hexane). Mp > 130° dec.

Eaton, P.E. *et al*, *J.A.C.S.*, 1994, **116**, 7588
(*synth, pmr, cmr*)

2-Iodo-2-cyclohexen-1-ol I-1-00027

[155791-58-5]



C₆H₉IO M 224.0

(±)-form

Cubes (Et₂O/petrol). Mp 44-45°.

Adam, W. *et al*, *J.O.C.*, 1994, **59**, 2695 (*synth, pmr, cmr, ir*)

10-Iododecanal I-1-00028

[148019-71-0]



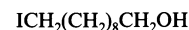
C₁₀H₁₉IO M 282.1

Liq.

Burger, A. *et al*, *J. Med. Chem.*, 1993, **36**, 1418
(*synth, pmr, ms*)

10-Iodo-1-decanol I-1-00029

[57395-49-0]



C₁₀H₂₁IO M 284.1

Cryst. (pentane at -20°). Mp 26-27°.

Biogegrain, R. *et al*, *Tet. Lett.*, 1975, 2529
(*synth*)

Burger, A. *et al*, *J. Med. Chem.*, 1993, **36**, 1418
(*synth, pmr, ms*)

1-Iodo-1-decyne, 9*CI* I-1-00030

Iodo(octyl)acetylene

[67826-81-7]



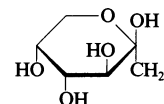
C₁₀H₁₇I M 264.1

Pale yellow oil. Bp_{0.7} 84°. n_D^{23.6} 1.4987.

Vaughn, T.H., *J.A.C.S.*, 1933, **55**, 3453 (*synth*)
Ochiai, M. *et al*, *J.O.C.*, 1989, **54**, 4038 (*pmr, cmr, ms*)

Lando, J.B. *et al*, *Chem. Mater.*, 1994, **6**, 1444
(*synth, pmr*)

Rao, M.L.N. *et al*, *Synth. Commun.*, 1995, **25**,
2295 (*synth, cmr*)

1-Iodo-1-deoxyfructose I-1-00031

β-D-Pyranose-form

C₆H₁₁IO₅ M 290.0

D-form

Tetra-Ac:

C₁₄H₁₉IO₉ M 458.2 Mp 55-56°. [α]_D
+ 63 (CHCl₃).

β-D-Pyranose-form

3,4,5-Tribenzoyl: [134136-51-9].

C₂₇H₂₃IO₈ M 602.3 Syrup.

2,3:4,5-Di-O-isopropylidene: [38084-03-6].

C₁₂H₁₉IO₅ M 370.1 Oil. [α]_D²⁴ -21.4
(c. 4.5 in CHCl₃).

Wolfrom, M.L. *et al*, *J.A.C.S.*, 1943, **65**, 1516
(*D*-tetra-Ac)

James, K. *et al*, *Aust. J. Chem.*, 1972, **25**, 1967
(*diisopropylidene, pmr*)

Campbell, M.H. *et al*, *Tet. Lett.*, 1991, **32**, 1237
(*tribenzoyl*)

1-Iodo-3,3-dimethyl-1-butene, 9*CI* I-1-00032

[159217-27-3]



C₆H₁₁I M 210.0

(*E*)-form [61382-45-4]

Liq. Bp₅₉ 70-72°.

(*Z*)-form [64245-24-5]

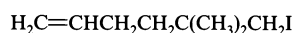
Liq. Bp₆₅ 70-72°. n_D²⁵ 1.5008.

Miller, R.B. *et al*, *J.O.C.*, 1978, **43**, 4424 (*synth, ir, pmr*)

Brown, H.C. *et al*, *J.O.C.*, 1989, **54**, 6064, 6068,
6075 (*synth, cmr, pmr*)

Kiehl, A. *et al*, *Annalen*, 1995, 223 (*synth, cmr, pmr*)

6-Iodo-5,5-dimethyl-1-hexene, 9CI I-1-00033
[77400-57-8]



$\text{C}_8\text{H}_{15}\text{I}$ M 238.1
Liq. Bp_{1.5} 46°. n_D^{25} 1.5020.

Ashby, E.C. *et al.*, *J.O.C.*, 1984, **49**, 3545 (*synth*, *pmr*, *ms*)

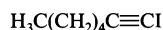
4-Iodo-2(5H)-furanone, 9CI I-1-00034
[155140-39-9]



$\text{C}_4\text{H}_3\text{IO}_2$ M 209.9
Cryst. Mp 101-102°.

Sweeney, J.B. *et al.*, *Synth. Commun.*, 1994, **24**, 755 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

1-Iodo-1-heptyne, 9CI I-1-00035
Amyliodoacetylene. Iodo(pentyl)acetylene
[54573-13-6]



$\text{C}_7\text{H}_{11}\text{I}$ M 222.0
Liq. d^{22} 1.472. Mp -35°. Bp₂₁ 93°. n_D^{20} 1.5125.

Vaughn, T.H. *et al.*, *J.A.C.S.*, 1933, **55**, 2150 (*synth*)

Murray, M.J. *et al.*, *J. Chem. Phys.*, 1944, **12**, 156 (*Raman*)

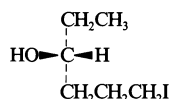
Ravid, U. *et al.*, *Tetrahedron*, 1978, **34**, 1449 (*synth*, *pmr*)

Bhanu, S. *et al.*, *J.C.S. Perkin 1*, 1979, 1218 (*synth*)

Bonnet, B. *et al.*, *Synthesis*, 1993, 1071 (*synth*, *pmr*, *cmr*, *ms*)

Rao, M.L.N. *et al.*, *Synth. Commun.*, 1995, **25**, 2295 (*synth*, *cmr*)

6-Iodo-3-hexanol, 9CI I-1-00036



$\text{C}_6\text{H}_{13}\text{IO}$ M 228.0
(*R*)-*form* [161458-59-9]
Reddish liq. Bp₁ 120°. $[\alpha]_D^{34}$ -9.7 (c, 1.12 in CHCl_3).

Ac:

$\text{C}_8\text{H}_{15}\text{IO}_2$ M 270.1 Liq. Bp₁ 118°. $[\alpha]_D^{27}$ +9.8 (c, 3.69 in CHCl_3).

Paolucci, C. *et al.*, *J.O.C.*, 1995, **60**, 169 (*synth*, *pmr*, *cmr*)

6-Iodo-2-hexyne, 9CI I-1-00037
[28077-74-9]

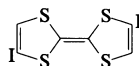


$\text{C}_6\text{H}_9\text{I}$ M 208.0
Liq. Bp₃₅ 99-104°.

Peterson, P.E. *et al.*, *J.A.C.S.*, 1970, **92**, 2834 (*synth*)

Anderson, B.A. *et al.*, *J.A.C.S.*, 1993, **115**, 10671 (*synth*, *pmr*, *cmr*, *ir*, *ms*)

4-Iodo-2-(4-iodo-1,3-dithiol-2-ylidene)-1,3-dithiole I-1-00038
2,6(7)-Diiodotetrafulvalene. 2,2'-Bi(4-iodo-1,3-dithiol-2-ylidene)



$\text{C}_6\text{H}_2\text{I}_2\text{S}_4$ M 456.1

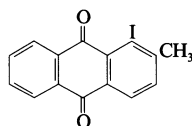
(*E*)-*form* [121108-19-8]
Orange plates (CS_2 /petrol). Mp 100° dec. Dec. ca. 130°.

[121108-11-0]

Kreitsberga, Ya.N. *et al.*, *Zh. Org. Khim.*, 1989, **25**, 1456; *J. Org. Chem. USSR (Engl. Transl.)*, 1989, **25**, 1312 (*synth*)

Wang, C. *et al.*, *Chem. Comm.*, 1994, 983 (*synth*, *pmr*, *cmr*, *cryst struct*)

1-Iodo-2-methylantraquinone I-1-00039
1-Iodo-2-methyl-9,10-anthracenedione, 9CI
[74214-82-7]

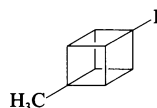


$\text{C}_{15}\text{H}_9\text{IO}_2$ M 348.1
Cryst. Mp 169-171°.

Scholl, R. *et al.*, *Ber.*, 1907, **40**, 1696 (*synth*)

Kim, J.I. *et al.*, *J.A.C.S.*, 1992, **114**, 9309 (*synth*, *pmr*)

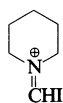
1-Iodo-4-methylcubane I-1-00040
4-Methylcubyl iodide. 1-Iodo-4-methylpentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]octane, 9CI
[125762-85-8]



$\text{C}_9\text{H}_9\text{I}$ M 244.0
Cryst. powder. Mp 79-81°.

Eaton, P.E. *et al.*, *J.O.C.*, 1995, **60**, 966 (*synth*, *pmr*, *cmr*)

N-(Iodomethylene) piperidinium(1+) I-1-00041

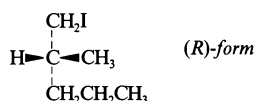


$\text{C}_6\text{H}_{11}\text{IN}^\oplus$ M 224.0 (ion)

Iodide:

$\text{C}_6\text{H}_{11}\text{I}_2\text{N}$ M 350.9 Yellow needles.
Weiss, R. *et al.*, *Angew. Chem., Int. Ed.*, 1994, **33**, 893 (*synth*, *ir*, *pmr*, *cmr*, *cryst struct*)

1-Iodo-2-methylpentane I-1-00042
[31294-94-7]

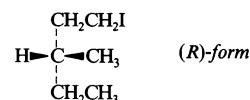


$\text{C}_6\text{H}_{13}\text{I}$ M 212.0
(*R*)-*form* [18450-71-0]
Liq. Bp 162-166°. $[\alpha]_D^{21}$ -0.68 (c, 6.6 in MeOH). n_D^{19} 1.4941.

(*S*)-*form*
Liq. Bp₅₀ 83-85°. $[\alpha]_D^{21}$ +0.68 (c, 6.87 in MeOH).

Mori, K. *et al.*, *Annalen*, 1994, 1153 (*synth*, *ir*, *pmr*)

1-Iodo-3-methylpentane, 9CI I-1-00043
[24346-53-0]



$\text{C}_6\text{H}_{13}\text{I}$ M 212.0

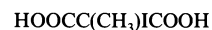
(*R*)-*form*
Liq. Bp₁₂ 54°. $[\alpha]_D^{25}$ -7.61 (neat). n_D^{25} 1.4866.

(±)-*form*
Liq. Bp₃₀ 72-75°.

Levene, P.A. *et al.*, *J. Biol. Chem.*, 1936, **115**, 415 (*R*-*form*)

Suzuki, T. *et al.*, *Agric. Biol. Chem.*, 1981, **45**, 1357 (*synth*, *ir*)

Iodomethylpropanedioic acid, I-1-00044
9CI
Iodomethylmalonic acid
[69858-37-3]



$\text{C}_4\text{H}_5\text{IO}_4$ M 243.9

Prepd. *in situ*; not isol.

Dinitrile: [138976-63-3]. *Iodomethyl propanedinitrile, 9CI. Dicyanoiodomethane*
 $\text{C}_4\text{H}_3\text{IN}_2$ M 205.9 Oil which cryst. at 0°.

Furrow, S.D., *Int. J. Chem. Kinet.*, 1979, **11**, 131 (*synth*, *w*)

Thoma, G. *et al.*, *J.A.C.S.*, 1993, **115**, 8585 (*dinitrile*)

(Iodomethyl) triphenylphosphonium(1+) I-1-00045



$\text{C}_{19}\text{H}_{17}\text{IP}^\oplus$ M 403.2 (ion)

Iodide: [3020-28-8].

$\text{C}_{19}\text{H}_{17}\text{I}_2\text{P}$ M 530.1 Needles. Mp 240° dec.

[98822-67-4, 110428-39-2]

Scherfise, K.D. *et al.*, *Z. Naturforsch., B*, 1985, **40**, 906 (*synth*, *ir*, *cryst struct*)

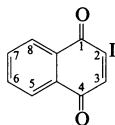
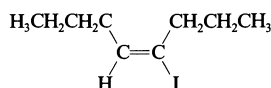
Stahl, K. *et al.*, *J. Organomet. Chem.*, 1986, **316**, 85 (*synth*)

Li, S. *et al.*, *Chem. Ber.*, 1990, **123**, 1441 (*use*)

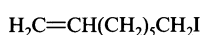
Vogt, H. *et al.*, *Z. Naturforsch., B*, 1993, **48**,

1760 (*synth*, *ms*, *P-31 nmr*, *cryst struct*)

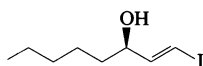
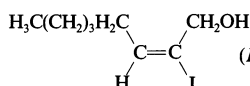
Lauritsen, K. *et al.*, *Z. Anorg. Allg. Chem.*, 1994, **620**, 1103 (*iodide*, *P-31 nmr*, *reactions*)

2-Iodo-1,4-naphthoquinone,**I-1-00046****8CI**2-Iodo-1,4-naphthalenedione, 9CI
[35079-24-4]C₁₀H₆I₂ M 284.0
Yellow needles (EtOH). Mp 120°.Hodgson, H. *et al*, *J.C.S.*, 1935, 1850 (*synth*)
Gaultier, J. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1971, 273, 956 (*cryst struct*)
Sharma, J. *et al*, *Org. Prep. Proced. Int.*, 1995, 27, 84 (*synth, pmr, uv, ir*)**5-Iodo-1,4-naphthoquinone,****I-1-00047****8CI**5-Iodo-1,4-naphthalenedione, 9CI
[62784-50-3]C₁₀H₆I₂ M 284.0
Red prisms (C₆H₆/hexane). Mp 173-175°.Ishii, H. *et al*, *Tetrahedron*, 1976, 32, 2693
(*synth, ir, uv, pmr*)**6-Iodo-1,4-naphthoquinone,****I-1-00048****8CI**6-Iodo-1,4-naphthalenedione, 9CI
[115782-79-1]C₁₀H₆I₂ M 284.0
Solid (C₆H₆/hexane). Mp 123-124°.Shvartsberg, M.S. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1988, 485; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1988, 404
(*synth, pmr*)**4-Iodo-4-octene****I-1-00049***(E)-form*C₈H₁₅I M 238.1
(E)-form [81793-05-7]
cis-form
Liq.*(Z)-form* [86223-33-8]
trans-form
Liq.Staley, S.W. *et al*, *Chem. Comm.*, 1969, 288.
Hudrlik, P.F. *et al*, *Tetrahedron*, 1983, 39, 877.
Kropp, P.J. *et al*, *J.O.C.*, 1994, 59, 3102 (*synth, pmr*)**8-Iodo-1-octene, 9CI****I-1-00050**

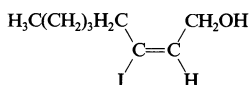
[38380-55-1]

C₈H₁₅I M 238.1
Liq. Bp₄₅ 126-128°, Bp_{0.2} 44-46°.Sih, C.J. *et al*, *J.A.C.S.*, 1975, 97, 857 (*synth, ir, pmr*)Garanti, L. *et al*, *Gazz. Chim. Ital.*, 1976, 106, 187 (*synth*)Johnson, D.K. *et al*, *Synth. Commun.*, 1994, 24, 1557 (*synth, pmr*)**1-Iodo-1-octen-3-ol, 9CI**

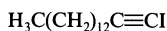
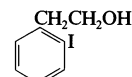
[73961-62-3]

*(R)-(E)-form*C₈H₁₅IO M 254.1
(R)-(E)-form [42541-99-1]
[α]_D²⁵ -9.9 (c, 1.5 in MeOH).*(S)-(E)-form* [39647-93-3]Intermed. for synthesis of prostaglandins.
Oil. [α]_D²⁴ +9.9 (c, 1.6 in MeOH) (100% op).Kluge, A.F. *et al*, *J.A.C.S.*, 1972, 94, 7827
(*synth, resoln, pmr, ir*)Sih, C.J. *et al*, *J.A.C.S.*, 1975, 97, 865 (*synth*)
Jung, M.E. *et al*, *Tet. Lett.*, 1982, 23, 3851
(*synth, pmr*)Noyori, R. *et al*, *J.A.C.S.*, 1984, 106, 6717
(*synth, ir, pmr*)Luo, F.-T. *et al*, *J.O.C.*, 1985, 50, 4762 (*synth, pmr, cmr*)Kitano, Y. *et al*, *Tet. Lett.*, 1987, 28, 6351
(*resoln*)Chemin, D. *et al*, *Synthesis*, 1993, 377 (*synth, resoln, pmr, cmr*)**2-Iodo-2-octen-1-ol, 9CI****I-1-00052***(E)-form*C₈H₁₅IO M 254.1
(E)-form [161530-86-5]
Oil.*(Z)-form* [79970-59-5]

Oil.

Ensley, H.E. *et al*, *J.O.C.*, 1982, 47, 404 (*pmr, cmr*)Zoretic, P.A. *et al*, *Synth. Commun.*, 1985, 15, 367 (*pmr*)Piers, E. *et al*, *Synthesis*, 1995, 47 (*synth, pmr, cmr, ir*)**3-Iodo-2-octen-1-ol, 9CI****I-1-00053***(E)-form*C₈H₁₅IO M 254.1
(E)-form [161530-87-6]
Oil.*(Z)-form* [63093-31-2]Oil. Bp_{0.05} 108°.Duboudin, J.G. *et al*, *J. Organomet. Chem.*, 1979, 168, 227 (*synth, pmr*)Piers, E. *et al*, *Synthesis*, 1995, 47 (*synth, pmr, cmr, ir*)**1-Iodo-1-pentadecyne, 9CI****I-1-00054**

[78076-36-5]

C₁₅H₂₇I M 334.2
Amber liq. Unstable at r.t. and in light.Holtzapfle, M.T. *et al*, *Org. Prep. Proced. Int.*, 1995, 27, 507 (*synth, pmr*)**2-(2-Iodophenyl)ethanol****I-1-00055**2-Iodobenzeneethanol, 9CI. o-Iodophenethyl alcohol, 8CI
[26059-40-5]C₈H₉IO M 248.0
Oil. Bp₄ 136°. n_D²⁵ 1.6154.

Ac: [57527-00-1].

C₁₀H₁₁IO₂ M 290.1 Liq. Bp_{0.01} 55°.Bennett, G.M. *et al*, *J.C.S.*, 1941, 652 (*synth*)
Acheson, R.M. *et al*, *J.C.S. Perkin 1*, 1987, 2321 (*synth, ms, ir, pmr*)**2-(3-Iodophenyl)ethanol****I-1-00056**

3-Iodobenzeneethanol, 9CI

[127201-31-4]

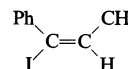
C₈H₉IO M 248.0
Oil.Van Dort, M.E. *et al*, *Appl. Radiat. Isot.*, 1992, 43, 671 (*synth, pmr, ms*)**2-(4-Iodophenyl)ethanol****I-1-00057**

4-Iodobenzeneethanol, 9CI. p-Iodophenethyl alcohol, 8CI

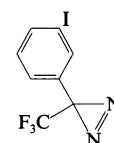
[52914-23-5]

C₈H₉IO M 248.0Cryst. (Et₂O/hexane). Mp 48-49°. Bp_{0.5} 110-120°.Bennett, G.M. *et al*, *J.C.S.*, 1935, 1819; 1941, 652 (*synth*)Newton, B.N., *J. Med. Chem.*, 1976, 19, 1362
(*synth, pmr*)Göbel, M.W. *et al*, *Annalen*, 1994, 1075 (*synth, ir*)**1-Iodo-1-phenylpropene****I-1-00058**

(1-Iodo-1-propenyl)benzene, 9CI. α-Iodo-β-methylstyrene. α-Iodopropenylbenzene

C₉H₉I M 244.0
(E)-form [32780-80-6]Obt. by irradiation of *(Z)-form*. Yellow liq. Bp_{0.3} 63-68°.*(Z)-form* [32780-79-3]Liq. Bp_{0.3} 64-68°.Campbell, J.R. *et al*, *Aust. J. Chem.*, 1971, 24, 1425 (*synth, uv, ir, pmr*)Kropp, P.J. *et al*, *J.O.C.*, 1994, 59, 3102 (*synth, pmr*)**3-(3-Iodophenyl)-3-****I-1-00059****(trifluoromethyl)diazirene**

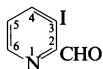
[79684-41-6]

C₈H₄F₃IN₂ M 312.0

Photoactivatable probe used for hydrophobic labelling of membrane proteins. Slightly yellow solid.

Brunner, J., *Biochemistry*, 1981, **20**, 7174 (*synth, w*)
 Brunner, J., *Methods Enzymol.*, 1989, **172**, 628 (*bibl*)
 White, B.H. *et al*, *J. Biol. Chem.*, 1991, **267**, 15770 (*props*)

3-Iodo-2-pyridinecarboxaldehyde I-1-00060
 3-Iodo-2-formylpyridine



C_6H_4INO M 233.0
 Cryst. Mp 58-60°.

Björk, P. *et al*, *J. Het. Chem.*, 1995, **32**, 751 (*synth, pmr, ms*)

4-Iodo-3-pyridinecarboxaldehyde I-1-00061
 4-Iodo-3-formylpyridine

C_6H_4INO M 233.0
 Cryst. Mp 91-92°.

Björk, P. *et al*, *J. Het. Chem.*, 1995, **32**, 751 (*synth, pmr, ms*)

1-Iodo-2-(trifluoromethyl)benzene, 9CI I-1-00062

2-Iodobenzotrifluoride. α, α, α -Trifluoro-*o*-iodotoluene, 8CI
 [444-29-1]



$C_7H_4F_3I$ M 272.0
 d 1.94. Bp 197-198°. n_D^{20} 1.53.

Aldrich Library of FT-IR Spectra, 1st edn., **3**, 914A.

Aldrich Library of NMR Spectra, 2nd edn., **1**, 784C.

Jones, R.G., *J.A.C.S.*, 1947, **69**, 2346 (*synth*)
 Yoder, C.H. *et al*, *J.O.C.*, 1976, **41**, 1511 (*cmr*)
 Takagi, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1980, **53**, 3691 (*synth*)

Naumann, D. *et al*, *J. Fluorine Chem.*, 1990, **47**, 283 (*synth, F-19 nmr*)

1-Iodo-3-(trifluoromethyl)benzene, 9CI I-1-00063

3-Iodo- α, α, α -trifluorotoluene. 3-Iodobenzotrifluoride. α, α, α -Trifluoro-*m*-iodotoluene, 8CI
 [401-81-0]

$C_7H_4F_3I$ M 272.0
 Yellow liq. d 1.89. Bp 182-183°, Bp₂₅ 82°.

Aldrich Library of FT-IR Spectra, 1st edn., **3**, 916B.

Finger, G.C. *et al*, *CA*, 1945, **39**, 1146 (*synth*)
 Glennon, R.A. *et al*, *J. Med. Chem.*, 1981, **24**, 678 (*synth*)

Naumann, D. *et al*, *J. Fluorine Chem.*, 1990, **47**, 283 (*synth, F-19 nmr*)

1-Iodo-4-(trifluoromethyl)benzene I-1-00064

4-Iodo- α, α, α -trifluorotoluene. 4-Iodobenzotrifluoride. α, α, α -Trifluoro-*p*-iodotoluene, 8CI
 [455-13-0]

$C_7H_4F_3I$ M 272.0
 d 1.85. Mp 17-17.5°. Bp 185.5-186°.
 [100784-66-5]

Jones, R.G., *J.A.C.S.*, 1947, **69**, 2346 (*synth*)
 Naumann, D. *et al*, *J. Fluorine Chem.*, 1990, **47**, 283 (*synth, F-19 nmr*)

Iodo(triphenylphosphoranylidene)acetic acid I-1-00065



$C_{20}H_{16}IO_2P$ M 446.2
 Esters are Wittig reagents.

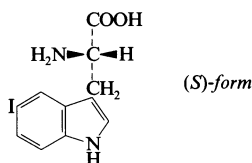
Me ester: [26480-86-4]. *Methyl iodo(triphenylphosphoranylidene)acetate*
 $C_{21}H_{18}IO_2P$ M 460.2 Cryst. (EtOH aq.). Mp 165.5-166°.

Et ester: [26480-87-5]. *Ethyl iodo(triphenylphosphoranylidene)acetate*
 $C_{22}H_{20}IO_2P$ M 474.2 Cryst. (EtOH aq.). Mp 134-135°.

Sherchuk, M.I. *et al*, *Zh. Obshch. Khim.*, 1970, **40**, 57; *J. Gen. Chem. USSR (Engl. Transl.)*, 1970, **40**, 54 (*synth, w*)

5-Iodotryptophan, 9CI, 8CI I-1-00066

2-Amino-3-(5-iodo-1H-indol-3-yl)propanoic acid



$C_{11}H_{11}IN_2O_2$ M 330.1
 (*S*)-*form* [161295-03-0]

L-*form*
 Off-white cryst. (70% EtOH). Mp 165-166°. $[\alpha]_D -12.3$ (c, 1.08 in CF_3COOH).

(\pm)-*form* [15641-49-3]
 Leaflets + 2H₂O (AcOH). Mp 264° (dihydrate).

Harvey, D.G., *J.C.S.*, 1958, 3760 (*synth*)
 Ames, M.M. *et al*, *Synthesis*, 1994, 1433 (*S*-*form, synth, pmr*)

Isocyanooacetic acid, 9CI I-1-00067

[71804-44-9]



$C_3H_3NO_2$ M 85.0
 Esters are reagents for cyclisation reactions.

Me ester: [39687-95-1].
 $C_4H_5NO_2$ M 99.0 Liq. Bp_{2,5} 77-79°.

Et ester: [2999-46-4].
 $C_5H_7NO_2$ M 113.1 Liq. Bp₁₁ 89-91°.

Benzyl ester: [41995-26-0].
 $C_{10}H_9NO_2$ M 175.1 Pale brown solid. Mp 27.5-28.5°. Bp_{0.075} 110-120°.

Amide: [51641-98-6].
 $C_3H_4N_2O$ M 84.0 Cryst. Mp 122-123°.

Ugi, I. *et al*, *Angew. Chem.*, 1965, **77**, 492 (*Et ester*)

Damico, R. *et al*, *J.O.C.*, 1973, **38**, 3057 (*Me ester*)

Ozaki, Y. *et al*, *Synthesis*, 1979, 216 (*amide*)
Org. Synth., 1980, **59**, 183 (*Et ester*)

Lash, T.D. *et al*, *Synthesis*, 1994, 170 (*benzyl ester*)

Burns, D.H. *et al*, *Synth. Commun.*, 1995, **25**, 379 (*benzyl ester*)

Isocyanooacetonitrile I-1-00068

Cyanoisocyanomethane

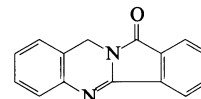


$C_2H_2N_2$ M 66.0
 Cryst. solid at -30°. Mp -15°. Dec. rapidly > -10°.

Buschmann, J. *et al*, *Angew. Chem., Int. Ed.*, 1995, **34**, 914 (*synth, cmr, N-14 nmr*)

Isoindolo[1,2-b]quinazolin-12(10H)-one, 9CI I-1-00069

8-Desaminobatracyclin
 [35970-06-0]



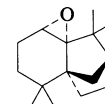
$C_{15}H_{10}N_2O$ M 234.2
 Yellow needles (EtOH); cryst. (CH₂Cl₂/hexane). Mp 182-184°.

Gabriel, S., *Ber.*, 1912, **45**, 713 (*synth*)
 Kametani, T. *et al*, *J. Het. Chem.*, 1971, **8**, 1071 (*synth, ir, pmr*)

Meegalla, S.K. *et al*, *J. Med. Chem.*, 1994, **37**, 3434 (*synth, ir, pmr, cmr*)

Isolongifolene epoxide I-1-00070

Octahydro-4,4,8,8-tetramethyl-4a,7-methano-4aH-naphth[1,8a-b]oxirene, 9CI, 8,8a-Epoxycotahydro-1,1,5,5-tetramethyl-2H-2,4a-methanonaphthalene, 8CI. Folenox
 [26619-69-2]



$C_{15}H_{24}O$ M 220.3
 Struct. uncertain before 1974. Deodorising agent in perfumery. Cryst. (hexane). Mp 40-41.5°.

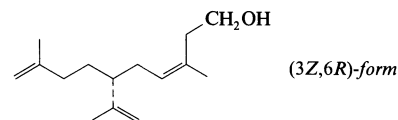
Eschinasi, E.H. *et al*, *Tet. Lett.*, 1970, 3523.
 Ranganathan, R. *et al*, *Tetrahedron*, 1970, **26**, 621 (*synth, pmr, ir*)

McMillan, J.A. *et al*, *Tet. Lett.*, 1974, 419 (*cryst struct*)

Greengrass, C.W. *et al*, *Tetrahedron*, 1975, **31**, 689.

6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol I-1-00071

3,9-Dimethyl-6-(1-methylethenyl)-3,9-decadien-1-ol, 9CI



$C_{15}H_{26}O$ M 222.3
 (3*Z*,6*R*)-*form* [73770-42-0]

Ac:

$C_{17}H_{26}O_2$ M 264.4 Sex pheromone of the female California red scale insect *Aonidiella aurantii*.

Propanoyl: [73416-54-3].

$C_{18}H_{30}O_2$ M 278.4 Sex pheromone of the female white peach scale, *Pseudoulacaspis pentagona*. $[\alpha]_D^{25} + 7.10$ (c, 1.0 in $CHCl_3$) ($\geq 99\%$ op).

(3E,6R)-form [73770-43-1]

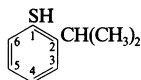
Propanoyl: [73770-44-2].

$[\alpha]_D^{25} + 7.62$ (c, 1.0 in $CHCl_3$).

[73416-55-4, 127328-42-1]

Heath, R.R. et al, *J. Chem. Ecol.*, 1979, 5, 941.Heath, R.R. et al, *J.O.C.*, 1980, 45, 2910 (isol, synth, pmr, ir, ms)McLaughlin, J.R. et al, *J. Chem. Ecol.*, 1990, 16, 749 (activity)Kher, S.M. et al, *Synth. Commun.*, 1990, 20, 495 (synth, bibl, acetate)**2-Isopropylbenzenethiol** I-1-00072

2-(1-Methylethyl)benzenethiol, 9CI. o-Cumenethiol, 8CI. 2-Isopropylthiophenol. 2-(2-Mercaptophenyl)propane [6262-87-9]

 $C_9H_{12}S$ M 152.2Liq. d 1.00. Bp 22°. n_D^{20} 1.5579.

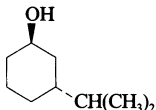
Aldrich Library of FT-IR Spectra, 1st edn., 3, 1101A.

Hansch, C. et al, *J.A.C.S.*, 1948, 70, 1561 (synth)Atkinson, R.S. et al, *J.C.S. Perkin 2*, 1979, 1490 (synth)**4-Isopropylbenzenethiol** I-1-00073

4-(1-Methylethyl)benzenethiol, 9CI. p-Cumenethiol, 8CI. 4-Isopropylthiophenol. 2-(4-Mercaptophenyl)propane [4946-14-9]

 $C_9H_{12}S$ M 152.2Liq. Bp₁₄ 104-105°.Gilman, H. et al, *J.A.C.S.*, 1947, 69, 2053 (synth)Schroth, W. et al, *Z. Chem.*, 1977, 17, 411 (synth)**3-Isopropylcyclohexanol** I-1-00074

3-(1-Methylethyl)cyclohexanol, 9CI [4534-77-4]



(1R,3RS)-form

 $C_9H_{18}O$ M 142.2

Known in opt. active form as (1S-cis, trans-) mixt. (Van Osselaer et al).

(1R,3RS)-form [64824-02-8]

(±)-trans-form

Viscous liq. d_4^{20} 0.92. Mp -6° to -5°.Bp₁₅ 101°. n_D^{20} 1.4659.

(1R,3SR)-form [64824-01-7]

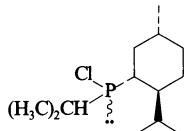
(±)-cis-form

Viscous liq. d_4^{20} 0.92. Mp -11° to -10°.Bp₁₅ 106°. n_D^{20} 1.4651.

[69854-62-2, 69854-66-6, 87759-30-6, 87759-31-7]

Huckel, W. et al, *Chem. Ber.*, 1961, 94, 96 (synth)Van Osselaer, T.A. et al, *Bull. Soc. Chim. Belg.*, 1978, 87, 799.Merckx, E.M. et al, *Org. Magn. Reson.*, 1983, 21, 380 (pmr)**Isopropyl(2-isopropyl-5-methylcyclohexyl)phosphinous chloride, 8CI**

(1-Methylethyl)[5-methyl-2-(1-methylethyl)cyclohexyl]phosphinous chloride, 9CI

 $C_{13}H_{26}ClP$ M 248.7

(1R,2S,5R)-form

Isopropylmenthylphosphinous chloride.

Chloroisopropylmenthylphosphine

Liq. Bp_{0.4} 112°. Diastereoisomers epimeric at P recognised spectroscopically.

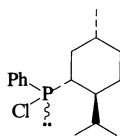
[113613-08-4, 113629-75-7]

Hägele, G. et al, *J.C.S. Dalton*, 1987, 795

(synth, pmr, cmr, P-31 nmr)

(2-Isopropyl-5-methylcyclohexyl)phenylphosphinous chloride, 8CI

[5-Methyl-2-(1-methylethyl)cyclohexyl]phenylphosphinous chloride, 9CI

 $C_{16}H_{24}ClP$ M 282.7

(1R,2S,5R)-form [103667-70-5]

Menthylphenylphosphinous chloride.

Chloromenthylphenylphosphine

Liq. Bp_{0.5} 135°. A mixt. of epimers at P (1:3) characterised spectroscopically.

[103667-69-2]

Boese, R. et al, *Chem.-Ztg.*, 1985, 109, 233

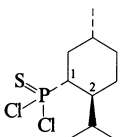
(synth, ms, cmr, P-31 nmr)

Hägele, G. et al, *J.C.S. Dalton*, 1987, 795

(synth, P-31 nmr, config)

(2-Isopropyl-5-methylcyclohexyl)phosphonothioic dichloride

[5-Methyl-2-(1-methylethyl)cyclohexyl]phosphonothioic dichloride

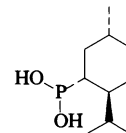
 $C_{10}H_{19}Cl_2PS$ M 273.2

(1R,2S,5R)-form [103953-58-8]

Menthylphosphonothioic dichloride

Oil. Bp_{0.3-0.4} 138-141°. Forms a cryst. adduct with 2-propanol.Boese, R. et al, *Chem.-Ztg.*, 1985, 109, 233 (pmr, cmr)Hägele, G. et al, *Z. Naturforsch., B*, 1985, 40, 1053 (synth, pmr, cmr, P-31 nmr)**(2-Isopropyl-5-methylcyclohexyl)phosphonous acid** I-1-00078

[5-Methyl-2-(1-methylethyl)cyclohexyl]phosphonous acid, 9CI

 $C_{10}H_{21}O_2P$ M 204.2

(1R,2S,5R)-form

(L-Menthyl)phosphonous acid

Di-Me ester: [83021-24-3]. Dimethyl(L-menthyl)phosphonite

 $C_{12}H_{25}O_2P$ M 232.3 Liq. Bp_{0.005} 49.5°. $[\alpha]_D^{15} - 64.8$ (c, 7.02 in C_6H_6).

Di-Et ester: [83021-25-4]. Diethyl(L-menthyl)phosphonite

 $C_{14}H_{29}O_2P$ M 260.3 Liq. Bp_{0.1} 83-87°. $[\alpha]_D^{15} - 67.7$ (c, 8.38 in C_6H_6).

Diisopropyl ester: [83021-26-5]. Diisopropyl(L-menthyl)phosphonite

 $C_{16}H_{33}O_2P$ M 288.4 Liq. Bp_{0.017} 68°. $[\alpha]_D^{15} - 60.1$ (c, 9.73 in C_6H_6).

Di-Ph ester: [83021-27-6]. Diphenyl(L-menthyl)phosphonite

 $C_{22}H_{29}O_2P$ M 356.4 Liq. Bp_{0.02} 153°. $[\alpha]_D^{15} - 18.6$ (c, 10.11 in C_6H_6).

Difluoride: (L-Menthyl)phosphonous difluoride. Difluoro(L-menthyl)phosphine

 $C_{10}H_{19}F_2P$ M 208.2 No phys. props. reported.

Dichloride: [83021-21-0]. (L-Menthyl)phosphonous dichloride. Dichloro(L-menthyl)phosphine

 $C_{10}H_{19}Cl_2P$ M 241.1 Pungent liq. Bp_{0.1} 83-84°. $[\alpha]_D^{15} - 113.6$ (c, 8.24 in C_6H_6).

Diamide: see 3-(Diaminophosphinoyl)-p-menthane, D-1-00106

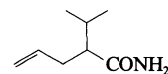
[93713-94-1, 93713-96-3]

Hidai, M. et al, *J. Organomet. Chem.*, 1982, 232, 89 (dichloride, esters, amide, synth, pmr)Feigl, M. et al, *Z. Naturforsch., B*, 1982, 37, 1661 (dichloride, pmr, cmr)Hinke, A. et al, *Phosphorus Sulfur Relat. Elem.*, 1983, 15, 93 (dichloride, synth, ms, pmr, P-31 nmr)Hägele, G. et al, *Z. Naturforsch., B*, 1985, 40, 1053.Graber, M. et al, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1989, 44, 109 (dichloride, synth, pmr, P-31 nmr)**2-Isopropyl-4-pentenamide, 8CI** I-1-00079

2-(1-Methylethyl)-4-pentenamide, 9CI.

Allylisopropylacetamide

[299-78-5]

 $C_8H_{15}NO$ M 141.2

Porphyrinogenic agent. Inducer of 5-aminolevulinic acid synthetase. Inhibits human epoxide hydrolase.

(±)-form

Mp 98-100°.

Freifelder, M. *et al*, *J.O.C.*, 1961, **26**, 203

(*synth*)

Granick, S., *J. Biol. Chem.*, 1963, **238**, PC2247

(*activity*)

Ortiz de Montellano, P.R. *et al*, *Arch. Biochem. Biophys.*, 1979, **197**, 524 (*bibl, activity*)

Prickett, K.S. *et al*, *Biomed. Mass Spectrom.*, 1984, **11**, 320 (*metab*)

Toshimitsu, A. *et al*, *J.O.C.*, 1987, **52**, 2018

(*synth, ir, pmr*)

Kerr, B.M. *et al*, *Drug Metab. Dispos.*, 1990, **18**,

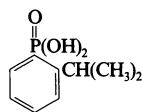
540 (*metab*)

(2-Isopropylphenyl)phosphonic acid, 8CI

I-1-00080

[2-(1-Methylethyl)phenyl]phosphonic acid, 9CI

[111192-82-6]



$C_9H_{13}O_3P$ M 200.1

Solid. Mp 173-174°. pK_{a1} 2.13; pK_{a2} 8.13 (H_2O , 25°).

[111193-12-5]

Nagarajan, K.N. *et al*, *Can. J. Chem.*, 1987, **65**, 1729 (*synth, props*)

(4-Isopropylphenyl)phosphonic acid, 8CI

I-1-00081

[4-(1-Methylethyl)phenyl]phosphonic acid, 9CI

[128333-45-9]

$C_9H_{13}O_3P$ M 200.1

Di-Et ester: [51993-51-2]. *Diethyl (4-isopropylphenyl)phosphonate*

$C_{13}H_{21}O_3P$ M 256.2 Liq. Bp₁ 140-142°.

Monoethyl ester: [128333-48-2]. *Monoethyl (4-isopropylphenyl)phosphonate*

$C_{15}H_{25}O_3P$ M 284.3 pK_a 3.53.

Dipropyl ester: *Dipropyl [4-(1-methylethyl)phenyl]phosphonate*

$C_{15}H_{25}O_3P$ M 284.3 Liq. d_4^{20} 1.02. Bp₄ 156-157°.

Kharrasova, F.M. *et al*, *Zh. Obshch. Khim.*, 1973, **43**, 2642; *J. Gen. Chem. USSR (Engl. Transl.)*, 1973, **43**, 2621 (*ester, synth, P-31 nmr*)

Yuan, C. *et al*, *Synthesis*, 1990, 140 (*synth, P-31 nmr*)

Hu, W. *et al*, *Chin. Chem. Lett.*, 1992, **3**, 579 (*P-31 nmr*)

Yuan, C. *et al*, *Heteroat. Chem.*, 1993, **4**, 23 (*P-31 nmr*)

Isopropyl phenyl sulfide, 8CI

I-1-00082

[(1-Methylethyl)thio]benzene, 9CI

[3019-20-3]



$C_9H_{12}S$ M 152.2

Liq. d_4^{20} 0.985. Bp 208°, Bp₁₀ 87°. n_D^{20} 1.5464.

Adv. Chem. Ser., 1955, **15**, 179 (*props*)

Jones, I.W. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1978, **5**, 57 (*ms*)

Cogolli, P. *et al*, *J.O.C.*, 1979, **44**, 2642 (*synth, pmr*)

2-Isopropylthiophene, 8CI

I-1-00083

2-(1-Methylethyl)thiophene, 9CI. 2-(2-Thienyl)propane

[4095-22-1]



$C_7H_{10}S$ M 126.2

Liq. d_4^{20} 0.968. Bp 154-155°, Bp₁₄ 48-49°. n_D^{20} 1.5038.

Kutzi, W.M. *et al*, *J.A.C.S.*, 1946, **68**, 1977

(*synth*)

Adv. Chem. Ser., 1955, **15**, 194 (*props*)

Bedell, S.F. *et al*, *J.O.C.*, 1962, **27**, 2026 (*synth*)

Gouensard, J.P. *et al*, *Bull. Soc. Chim. Fr.*, 1969, 4452 (*synth, pmr*)

3-Isopropylthiophene, 8CI

I-1-00084

3-(1-Methylethyl)thiophene, 9CI. 2-(3-Thienyl)propane

[29488-27-5]

$C_7H_{10}S$ M 126.2

d_4^{20} 0.973. Bp 157°. n_D^{20} 1.5052.

Appleby, W.G. *et al*, *J.A.C.S.*, 1948, **70**, 1552

(*synth*)

Adv. Chem. Ser., 1955, **15**, 194 (*props*)

Pham, C.V. *et al*, *Synth. Commun.*, 1986, **16**, 689 (*synth, pmr*)

3-Isothiazolecarboxaldehyde

I-1-00085

3-Formylisothiazole

[34490-97-6]



C_4H_3NOS M 113.1

Cryst. Mp 28-29°. Bp₉ 62-65°. Unstable.

Oxime, (E-): [28401-56-1].

$C_4H_4N_2OS$ M 128.1 Cryst. (C_6H_6). Mp 76-77°.

2,4-Dinitrophenylhydrazones: Yellow needles (C_6H_6). Mp 225-227°.

Thiosemicarbazone: Prisms (EtOH). Mp 176-178° dec.

Jones, D.H. *et al*, *J.C.S.*, 1964, 3114 (*synth, w*)

Benschop, H.P. *et al*, *J. Med. Chem.*, 1970, **13**, 1208 (*oxime*)

4-Isouthiazolecarboxaldehyde

I-1-00086

4-Formylisothiazole

[822-54-8]

C_4H_3NOS M 113.1

Cryst. (petrol). Mp 63° (58-60°).

Oxime, (E-):

$C_4H_4N_2OS$ M 128.1 Cryst. (heptane/Et₂O). Mp 81-82°.

Oxime, (Z-):

$C_4H_4N_2OS$ M 128.1 Cryst. (CCl_4). Mp 115-116°.

Ger. Pat., 1 179 553, (1964); *CA*, **62**, 565d

(*synth*)

Benschop, H.P. *et al*, *J. Med. Chem.*, 1970, **13**, 1208 (*synth, oximes*)

Guilloteau, F. *et al*, *Synth. Commun.*, 1995, **25**, 1383 (*synth, ir, pmr, cmr*)

5-Isouthiazolecarboxaldehyde

I-1-00087

5-Formylisothiazole

[5242-57-9]

C_4H_3NOS M 113.1

Liq. Bp₃₂ 95-98°.

Oxime, (Z-): [28401-57-2].

$C_4H_4N_2OS$ M 128.1 Needles (C_6H_6). Mp 133-134°.

Phenylhydrazones: [73140-48-4].

Yellow prisms (EtOH). Mp 135-137°.

Thiosemicarbazone: Mp 192-194° dec.

Caton, M.P.L. *et al*, *J.C.S.*, 1964, 446 (*synth, w*)

U.K. Pat., 1 012 620, (1965); *CA*, **64**, 5101g

(*synth*)

Benschop, H.P. *et al*, *J. Med. Chem.*, 1970, **13**,

1208 (*synth, oxime*)

Faure, R. *et al*, *Can. J. Chem.*, 1975, **53**, 1677

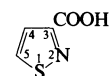
(*cmr*)

Briggs, A.G. *et al*, *J.C.S. Perkin 1*, 1979, 2340 (*pmr, oxime*)

3-Isouthiazolecarboxylic acid

I-1-00088

[4576-90-3]



$C_4H_3NO_2S$ M 129.1

Needles (H_2O); cryst. (C_6H_6). Mp 137°.

Et ester: [23244-32-8].

$C_6H_7NO_2S$ M 157.1 Liq. Bp₅ 140-145°.

Chloride: [49672-77-7].

C_4H_2ClNOS M 147.5 Mp 34-36°. Bp₁₉ 123-124°.

Amide: [24342-43-6].

$C_4H_4N_2OS$ M 128.1 Needles (H_2O). Mp 154-155°.

Nitrile: [1452-17-1]. 3-Cyanoisothiazole

$C_4H_2N_2S$ M 110.1 Prisms (petrol). Mp 60-61°.

Jones, D.H. *et al*, *J.C.S.*, 1964, 3114; 1965, 7277 (*synth, amide, nitrile, chloride, w*)

Millard, B.J., *J.C.S.(C)*, 1969, 1231 (*ms*)

Noyce, D.S. *et al*, *J.O.C.*, 1975, **40**, 3381 (*Et ester*)

4-Isouthiazolecarboxylic acid

I-1-00089

[822-82-2]

$C_4H_3NO_2S$ M 129.1

Needles (H_2O). Mp 162-163°.

Me ester: [56133-37-0].

$C_6H_5NO_2S$ M 143.1 Needles (petrol). Mp 55°.

Et ester:

$C_6H_7NO_2S$ M 157.1 Yellow oil.

Chloride: [10271-90-6].

C_4H_2ClNOS M 147.5 Liq. Bp_{2,5} 59.5-60°.

Amide: [24340-75-8].

$C_4H_4N_2OS$ M 128.1 Prisms (H_2O). Mp 192-193°.

Nitrile: [3912-37-6]. 4-Cyanoisothiazole

$C_4H_2N_2S$ M 110.1 Cryst. Mp 95°. Subl._{0,1} 50°.

Adams, A. *et al*, *J.C.S.*, 1959, 3061 (*synth, Me ester, amide*)

Raap, R. *et al*, *J. Med. Chem.*, 1968, **11**, 70

(*synth, nitrile, chloride*)

Benschop, H.P. *et al*, *J. Med. Chem.*, 1970, **13**, 1208 (*synth*)

Wasylishen, R.E. *et al*, *Can. J. Chem.*, 1975, **53**, 596 (*cmr*)
 Apblett, A. *et al*, *Can. J. Chem.*, 1990, **68**, 650 (*nitrile*)
 Guilloteau, F. *et al*, *Synth. Commun.*, 1995, **25**, 1383 (*Et ester*)

5-Isouthiazolecarboxylic acid I-1-00090

[10271-85-9]

$C_4H_3NO_2S$ M 129.1
 Cryst. (H_2O). Mp 201-202° dec.

Chloride: [3683-97-4].

 C_4H_2ClNOS M 147.5 Liq. Bp₂₆ 82°.

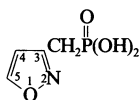
Amide: [3683-98-5].

 $C_4H_4N_2OS$ M 128.1 Needles (H_2O). Mp 172-174°.

Nitrile: 5-Cyanoisothiazole

 $C_4H_2N_2S$ M 110.1 Needles (petrol). Mp 47-48°.Caton, M.P.L. *et al*, *J.C.S.*, 1964, 446 (*synth*, *uv*)Caton, M.P.L. *et al*, *J. Med. Chem.*, 1965, **8**, 680 (*amide*, *nitrile*, *chloride*)U.K. Pat., 1 012 620, (1965); *CA*, **64**, 5101g (*amide*, *nitrile*, *chloride*)**(3-Isoxazolymethyl) phosphonic acid**

I-1-00092

 $C_4H_6NO_4P$ M 163.0

Di-Et ester: [97908-01-5]. Diethyl (3-isoxazolymethyl)phosphonate

 $C_8H_{14}NO_4P$ M 219.1 Liq.Tsuge, O. *et al*, *Bull. Chem. Soc. Jpn.*, 1987, **60**, 2463 (*ester*, *synth*, *ir*, *ms*, *pmr*, *cmr*)**(5-Isoxazolymethyl) phosphonic acid**

I-1-00093

 $C_4H_6NO_4P$ M 163.0

Di-Et ester: [85167-83-5]. Diethyl (5-isoxazolymethyl)phosphonate

 $C_8H_{14}NO_4P$ M 219.1 Viscous liq. Bp_{0.35} 110-115°.De Shong, P. *et al*, *J.O.C.*, 1988, **53**, 1356 (*synth*, *ir*, *pmr*, *ms*)**1-Isouthiocyanato-2-methylbenzene, 9CI**

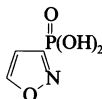
I-1-00091

o-Tolyl isothiocyanate. 2-Methylphenyl isothiocyanate

[614-69-7]

 C_8H_7NS M 149.2Yellow liq. d 1.11. Bp 239°, Bp₃ 92-95°. n_D^{20} 1.64.Aldrich Library of FT-IR Spectra, 1st edn., **3**, 1423B.Beilsteins Handbuch der Organischen Chemie, 4th edn., **12**, 813.Pak, C.S. *et al*, *Synthesis*, 1982, 969 (*synth*)Furukawa, I. *et al*, *Chem. Express*, 1988, **3**, 215 (*synth*)Prakash, L. *et al*, *J. Fluorine Chem.*, 1988, **41**, 303 (*synth*)Dreikorn, B.A. *et al*, *J. Het. Chem.*, 1989, **26**, 1735 (*synth*)**3-Isoxazolyphosphonic acid**

I-1-00094

 $C_3H_4NO_4P$ M 149.0

Di-Et ester: [130888-83-4]. Diethyl 3-isoxazolyphosphonate

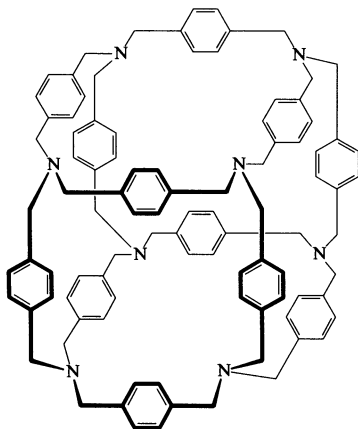
 $C_7H_{12}NO_4P$ M 205.1 Phys. props. not reported.Zhang, R. *et al*, *Synthesis*, 1990, 817 (*synth*, *ir*, *pmr*)

K

Kyuphane

K-1-00001

1,8,15,22,29,36,49,78-Octazaheptadecacyclo
[27.13.13.13^{8,22}.6^{15,36}.6^{49,78}.2^{3,6}.2^{10,13}.2^{17,20}
.2^{24,27}.2^{31,34}.2^{38,41}.2^{44,47}.2^{51,54}.2^{63,66}.2^{73,76}
.2^{80,83}.2^{94,97}]tetrahecta-
3,5,10,12,17,19,24,26,31,33,38,40,44,46,51,
53,56,58,60,63,65,68,70,73,75,80,82,85,87,
89,91,94,96,99,101,103-hexatriacontaene, 9CI
[111457-62-6]



$C_{96}H_{96}N_8$ M 1361.8

Provides a hydrophobic binding site for anionic guest molecules. Solid. Mp 202° dec., Mp > 373° dec.

Murakami, Y. *et al*, *J.A.C.S.*, 1991, **113**, 8229
(*synth*, *pmr*, *cmr*, *ms*)

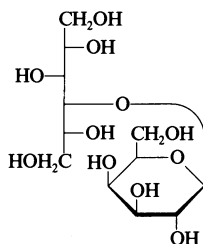
Takemura, H. *et al*, *J. Chem. Res., Synop.*, 1993, 424 (*synth*, *ms*, *pmr*)

L

Lactitol, BAN, INN

L-1-00001

4-O-β-D-Galactopyranosyl-D-glucitol, 9CI.
Emportal. Floralac. Important. Oponaf.
Portolac
[585-86-4]



$C_{12}H_{24}O_{11}$ M 344.3

Artificial sweetener used in foods.

Monohydrate used in the management of hepatic encephalopathy. Also has laxative props. Cryst. + 1 or 2 H_2O .

▶ LD₅₀ (rat, orl) 27500 mg/kg. LZ4392000.

[81025-03-8, 81025-04-9]

Hoagland, P.D. *et al*, *Carbohydr. Res.*, 1979, **74**, 135 (cmr)

Van Velthuisen, J.A., *J. Agric. Food Chem.*, 1979, **27**, 680 (rev, synth, props, use); Kanters, J.A. *et al*, *Acta Cryst. C*, 1990, **46**, 2408 (cryst struct)

Van Velthuisen, J.A. *et al*, *Food Sci. Technol.*, 1991, **48**, 283 (rev)

Kivikoski, J. *et al*, *Carbohydr. Res.*, 1992, **223**, 45, 53 (cryst struct)

Sinkledam, E.J. *et al*, *J. Am. Coll. Toxicol.*, 1992, **11**, 165, 189, 209, 219, 233, 249 (tox)

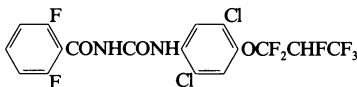
Christiansen-Brams, I. *et al*, *J. Carbohydr. Chem.*, 1992, **11**, 813 (synth, pmr, cmr)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, London, 1993, 1043.

Lufenuron, BAN, INN

L-1-00002

N-[[[2,5-Dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]-2,6-difluorobenzamide, 9CI. CGA 184699
[103055-07-8]



$C_{17}H_8Cl_2F_8N_2O_3$ M 511.1

Insecticide. Chitin synth. inhibitor. Shows high activity against larvae of lepidopterous and coleopterous pests.

(+)-form [130841-22-4]

Cryst. (toluene). Mp 166°. $[\alpha]_{368}^{24} +4$ (c, 2 in $CHCl_3$).

(-)-form [130841-26-8]

Mp 174-175°. $[\alpha]_{368}^{24} -3$ (c, 2 in $CHCl_3$).

[103055-14-7, 110139-91-8]

Eur. Pat., 179 022, (1986) (Ciba-Geigy); *CA*, **105**, 37515j (synth, activity)

Ger. Pat., 4 000 335, (1990) (Ciba-Geigy); *CA*, **114**, 6041h (synth, activity)

Buholzer, F. *et al*, *Meded. Fac. Landbouwwet., Rijksuniv. Gent*, 1992, **57**, 781 (activity)

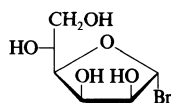
MacKichan, J.J. *et al*, *J. Liq. Chromatogr.*, 1993, **16**, 2595 (hplc)

Wilson, E., *Chem. Eng. News*, July 31st, 1995, 16 (rev)

M

Mannofuranosyl bromide

M-1-00001



α -D-form

$C_6H_{11}BrO_5$ M 243.0

α -D-form

Tetra-Ac: [55018-57-0].

$C_{14}H_{19}BrO_9$ M 411.2 Syrup.

2,3:5,6-Di-O-isopropylidene: [38838-12-9].

$C_{12}H_{19}BrO_5$ M 323.1 Cryst. Mp 122-123°.

β -D-form

Tetra-Ac: [55018-58-1].

Syrup.

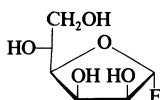
Hanessian, S. *et al*, *Carbohydr. Res.*, 1972, **24**, 45 (*diisopropylidene*, *pmr*)

Bock, K. *et al*, *Acta Chem. Scand., Ser. B*, 1974, **28**, 1041 (*tetra-Ac*, *pmr*)

McAdam, D.P. *et al*, *Aust. J. Chem.*, 1988, **41**, 563 (*tetra-Ac*, *diisopropylidene*)

Mannofuranosyl fluoride

M-1-00002



α -D-form

$C_6H_{11}FO_5$ M 182.1

α -D-form

Tetra-Ac: [40031-25-2].

$C_{14}H_{19}FO_9$ M 350.2 Cryst. (Et₂O).

Mp 96-97.5°. [α]_D²⁵ + 68.5 (c, 2.1 in CHCl₃).

Tetrabenzoyl:

$C_{34}H_{27}FO_9$ M 598.5 Cryst. (Et₂O).

Mp 90-91°. [α]_D²⁵ - 115.6 (c, 2 in CHCl₃).

β -D-form

Tetra-Ac: [40031-26-3].

Cryst. (Et₂O). Mp 91-92.5°. [α]_D²⁵ - 13.8 (c, 2.5 in CHCl₃).

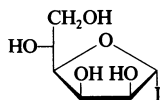
Bock, K. *et al*, *Acta Chem. Scand.*, 1972, **26**,

2360 (*tetra-Ac*, *tetrabenzoyl*, *pmr*, *F-19 nmr*)

Bock, K. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 682 (*cmr*, *F-19 nmr*)

Mannofuranosyl iodide

M-1-00003



$C_6H_{11}IO_5$ M 290.0

α -D-form

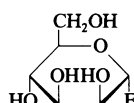
2,3:5,6-Di-O-isopropylidene: [125181-25-1].

$C_{12}H_{19}IO_5$ M 370.1 Syrup.

Ernst, B. *et al*, *Tet. Lett.*, 1989, **30**, 3081 (*diisopropylidene*, *pmr*)

Mannopyranosyl fluoride

M-1-00004



α -D-form

$C_6H_{11}FO_5$ M 182.1

α -D-form [2713-54-4]

Syrup.

Tetra-Ac: [2823-44-1].

$C_{14}H_{19}FO_9$ M 350.2 Cryst. (Et₂O/pentane). Mp 69-71°. [α]_D²⁰ + 22.7 (c, 2 in CHCl₃).

Tetrabenzoyl: [3825-18-1].

$C_{34}H_{27}FO_9$ M 598.5 Cryst. (Et₂O/pentane). Mp 129-131°. [α]_D²⁰ - 86.2 (c, 1.47 in CHCl₃).

4,6-Di-Me, 2-benzoyl: [69370-76-9].

$C_{15}H_{19}FO_6$ M 314.3 Cryst. (Et₂O/pentane). Mp 147-148°. [α]_D²⁰ - 36.3 (c, 1.5 in CHCl₃).

4,6-Di-Me, 2,3-dibenzoyl: [69370-75-8].

$C_{22}H_{23}FO_7$ M 418.4 Cryst. (pentane). Mp 79-81°. [α]_D²⁰ - 131.1 (c, 1.8 in CHCl₃).

β -D-form

Tetra-Ac: [57573-38-3].

Cryst. (Et₂O). Mp 105.5-107°. [α]_D²⁰ - 1 (c, 1.5 in CHCl₃).

4,6-Di-Me, 2-benzoyl: [69370-78-1].

Syrup.

4,6-Di-Me, 3-benzoyl: [69370-77-0].

$C_{15}H_{19}FO_6$ M 314.3 Syrup.

4,6-Di-Me, 2,3-dibenzoyl: [69370-79-2].

Syrup. [α]_D²⁰ - 82.2 (c, 2.5 in CHCl₃).

2,6-Anhydro: [108224-15-3].

$C_6H_9FO_4$ M 164.1 Solid. Mp 101-103.5°. [α]_D - 66.8 (c, 1 in abs. EtOH).

Pedersen, C., *Acta Chem. Scand.*, 1963, **17**, 673

(α -*tetra-Ac*, α -*tetrabenzoyl*)

Hall, L.D. *et al*, *Can. J. Chem.*, 1969, **47**, 1

(*synth*, *pmr*, *F-19 nmr*)

Bock, K. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 682 (β -*tetra-Ac*, *pmr*, *cmr*)

Pedersen, C. *et al*, *Acta Chem. Scand., Ser. B*,

1978, **32**, 687 (*Me deriv*, *pmr*)

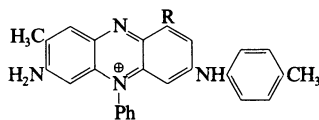
Baillargeon, D.J. *et al*, *Carbohydr. Res.*, 1986,

154, 275 (*anhydro*)

Mauveine A

M-1-00005

3-Amino-2-methyl-7-[(4-methylphenyl)amino]-5-phenylphenazinium



R = H

$C_{26}H_{23}N_4^{\oplus}$ M 391.4 (ion)

Derived by oxidn. of a mixt. of aniline and toluidines. Major component of Mauveine, a dye of historical importance. Purple solid (as chloride). The original struct. assigned to mauveine on little evidence was incorrect.

[153343-18-1]

Meth-Cohn, O. *et al*, *J.C.S. Perkin I*, 1994, 5 (*struct*, *bibl*)

Mauveine B

M-1-00006

As Mauveine A, M-1-00005 with

R = CH₃

$C_{27}H_{25}N_4^{\oplus}$ M 405.5 (ion)

Derived by oxidn. of a mixt. of aniline and toluidines. Minor component of Mauveine. Purple solid (as chloride).

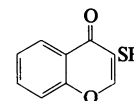
[153343-20-5]

Meth-Cohn, O. *et al*, *J.C.S. Perkin I*, 1994, 5 (*struct*, *bibl*)

3-Mercapto-4H-1-benzopyran-4-one

M-1-00007

3-Mercaptochromone



$C_9H_6O_2S$ M 178.2

S-Me: [39068-33-2]. 3-(Methylthio)-4H-1-

benzopyran-4-one

$C_{10}H_8O_2S$ M 192.2 Mp 111°.

S-Et: 3-(Ethylthio)-4H-1-benzopyran-4-one

$C_{11}H_{10}O_2S$ M 206.2 Mp 72°.

Yokoe, I. *et al*, *Chem. Pharm. Bull.*, 1994, **42**, 1697.

4-Mercapto-2-butanone

M-1-00008

HSCH₂CH₂COCH₃

C_4H_8OS M 104.1

S-Et: 4-(Ethylthio)-2-butanone

$C_6H_{12}OS$ M 132.2 Oil. Bp₁₇ 118-120°.

S-Ph: 4-(Phenylthio)-2-butanone

$C_{10}H_{12}OS$ M 180.2 Oil. Bp₁₇ 173-175°.

Cain, M.E. *et al*, *J.C.S.*, 1962, 2959 (*derivs*)

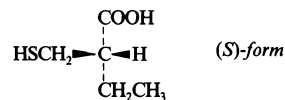
Ozaki, Y. *et al*, *Chem. Pharm. Bull.*, 1995, **43**, 734 (*S-Et*, *S-Ph*)

2-(Mercaptomethyl)butanoic acid

M-1-00009

2-Ethyl-3-mercaptopropanoic acid

[133775-83-4]



(*S*)-form

$C_5H_{10}O_2S$ M 134.1

(*S*)-form [142569-51-5]

Oil which solidified on standing. Bp₂ 102-104°. [α]_D - 21.7 (c, 1.4 in CHCl₃).

(\pm)-form [147977-69-3]

Oil which solidified on standing. Bp₂ 110-115°.

[147936-77-4]

Hutchinson, J.H. *et al*, *J. Het. Chem.*, 1994, **37**, 1153 (*synth, pmr*)**2-Mercapto-2-methylpropanal, M-1-00010**

9CI

α-Mercaptoisobutanal

[89124-35-6]

HSC(CH₃)₂CHOC₄H₈OS M 104.1

Liq. Bp 123°. Unstable, readily dimerises.

S-Me: [16042-21-0]. 2-Methyl-2-(methylthio)propanal

C₅H₁₀OS M 118.1 Liq. Bp 141°.

S-Et: [89812-32-8]. 2-(Ethylthio)-2-methylpropanal, 9CI

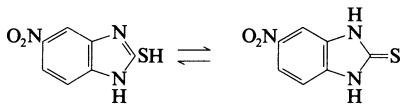
C₆H₁₂OS M 132.2 Oil.Ethylene acetal: [135937-81-4]. *α,α*-Dimethyl-1,3-dioxalane-2-methanethiol, 9CIC₆H₁₂O₂S M 148.2 Oil.

Disulfide: see 2,2'-Dithiobis[2-methylpropanal], D-1-00537

Kirmann, A. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1962, **255**, 728 (S-Me, *synth, ir, uv*)Kirmann, A. *et al*, *Bull. Soc. Chim. Fr.*, 1963, 1067 (*synth, uv, ir*)McBride, B.J. *et al*, *J. Med. Chem.*, 1993, **36**, 81 (*deriv, synth, pmr*)**2-Mercapto-5-nitrobenzimidazole**

M-1-00011

1,3-Dihydro-5-nitro-2H-benzimidazole-2-thione, 9CI. 5-Nitro-1H-benzimidazole-2-thiol [6325-91-3]

C₇H₅N₃O₂S M 195.2

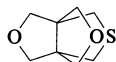
Exists in the thione form. Yellow cryst. (EtOH). Mp 280-281°.

[2360-38-5]

Harrison, D. *et al*, *J.C.S.(B)*, 1967, 14 (*ir, tautomer*)Singh, S.P. *et al*, *J. Het. Chem.*, 1977, **14**, 1093 (*synth*)Uchida, M. *et al*, *Chem. Pharm. Bull.*, 1989, **37**, 1517 (*synth*)**4H,6H-3a,6a-(Methanothiomethano)-1H,3H-furo[3,4-c]furan, 8CI**

M-1-00012

3,7-Dioxa-10-thia[3.3.3]propellane [21533-86-8]

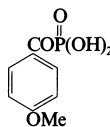
C₈H₁₂O₂S M 172.2

Cryst. (MeOH). Mp 195-200°.

Altman, J. *et al*, *Tetrahedron*, 1969, **25**, 5115 (*synth, pmr*)**(4-Methoxybenzoyl) phosphonic acid**

M-1-00013

[66191-02-4]

C₈H₉O₅P M 216.1

Monoanilinium salt: [67472-28-0].

Solid. Mp 183° dec.

Di-Me ester: [10570-48-6]. Dimethyl (4-methoxybenzoyl)phosphonate

C₁₀H₁₃O₅P M 244.1 Liq. Bp_{2.5} 170°.

Di-Me ester, 2,4-dinitrophenylhydrazone: Cryst. (MeOH). Mp 203-204°.

Di-Me ester, 4-methylbenzenesulfonylhydrazone: Solid. Mp 106° (stereoisomer. mixt.), Mp 138-140° (*anti* cryst. EtOH).

Di-Et ester: [16703-95-0]. Diethyl (4-methoxybenzoyl)phosphonate

C₁₂H₁₇O₅P M 272.2 Liq. Bp_{0.4} 158°.

Di-Et ester, 2,4-dinitrophenylhydrazone: Cryst. (MeOH). Mp 177-178°.

Diisopropyl ester: [41097-21-6]. Diisopropyl (4-methoxybenzoyl)phosphonate

C₁₄H₂₁O₅P M 300.2 Liq. Dec. at bp.

Dibutyl ester: Dibutyl (4-methoxybenzoyl)phosphonate

C₁₆H₂₅O₅P M 328.3 Liq. Bp₂ 175°.

Dibutyl ester, 2,4-dinitrophenylhydrazone: Cryst. (MeOH). Mp 127-129°.

Bis(trimethylsilyl) ester: [66190-98-5].

Bis(trimethylsilyl)(4-methoxybenzoyl)phosphonate

C₁₄H₂₅O₅PSi₂ M 360.4 Liq. Bp₁₀ 197-199°.Berlin, K.D. *et al*, *J.A.C.S.*, 1964, **86**, 3862 (*synth, ir, pmr*)Scherer, H. *et al*, *Chem. Ber.*, 1972, **105**, 3357 (*di-Me ester, deriv, ir, pmr*)Clark, P.E. *et al*, *Phosphorus Relat. Group V Elem.*, 1973, **2**, 265 (*diisopropyl ester, ir, pmr, conformer*)Sekine, M. *et al*, *Chem. Comm.*, 1978, 285 (*silyl ester, acid salt*)Breuer, E. *et al*, *J.C.S. Perkin 1*, 1988, 3047 (*deriv, P-31 nmr*)Krzyżanowska, B. *et al*, *Pol. J. Chem. (Roc. Chem.)*, 1988, **62**, 165 (*deriv, ms, ir, pmr, P-31 nmr*)Dahn, H. *et al*, *Magn. Reson. Chem.*, 1990, **28**, 883 (*di-Me ester, O-17 nmr*)Griffiths, D.V. *et al*, *J.C.S. Perkin 1*, 1992, 479 (*di-Me ester, synth, pmr, cmr, P-31 nmr*)**(4-Methoxyphenyl) phosphonous dichloride, 9CI**

M-1-00014

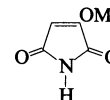
Dichloro(4-methoxyphenyl)phosphine [19909-85-4]

C₇H₇Cl₂OP M 209.0Ligand for Fe, Mn. Pungent, fairly unstable liq. Bp₁₃ 150°, Bp_{0.05} 74-78°.Davies, W.C. *et al*, *J.C.S.*, 1944, 276 (*synth*)Goetz, H. *et al*, *Annalen*, 1967, **704**, 1 (*synth*)Miles, J.A. *et al*, *J.O.C.*, 1975, **40**, 343 (*synth, pmr*)Zakirov, D.U. *et al*, *Zh. Obshch. Khim.*, 1977, **47**, 1661; *J. Gen. Chem. USSR (Engl. Transl.)*, 1977, **47**, 1522 (*nqr*)Ratovskii, G.V. *et al*, *Zh. Obshch. Khim.*, 1992, **62**, 1797; *J. Gen. Chem. USSR (Engl. Transl.)*, 1992, **62**, 1477 (*uv, theory*)**3-Methoxy-1H-pyrrole-2,5-dione**

M-1-00015

Methoxymaleimide

[98027-61-3]

C₆H₅NO₃ M 127.0

Fine buff cryst. (diisopropyl ether). Mp 168.5-169°.

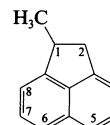
N-Me: [155071-29-7]. 3-Methoxy-1-methyl-1H-pyrrole-2,5-dione, 9CI

C₆H₇NO₃ M 141.1 Soft yellow plates (hexane/C₆H₆). Mp 129-130°.Rothhaas, A., *Annalen*, 1932, **501**, 295 (*synth*)Gill, G.B. *et al*, *J.C.S. Perkin 1*, 1993, 2567 (*synth, ir, cmr*)**1-Methylacenaphthene**

M-1-00016

1,2-Dihydro-1-methylacenaphthylene, 9CI

[18086-45-8]

C₁₃H₁₂ M 168.2

(±)-form

Bp_{1.2} 94°.Bosch, A. *et al*, *Can. J. Chem.*, 1968, **46**, 715 (*synth, pmr*)Bell, S.E.V. *et al*, *Aust. J. Chem.*, 1994, **47**, 1469 (*synth, pmr*)**3-Methylacenaphthene**

M-1-00017

1,2-Dihydro-3-methylacenaphthylene, 9CI

[39622-49-6]

C₁₃H₁₂ M 168.2

Cryst. (MeOH). Mp 58-60°.

Mitra, A. *et al*, *Indian J. Chem., Sect. B*, 1981, **20**, 449 (*synth*)Kershaw, J.R., *Polycyclic Aromat. Compd.*, 1993, **3**, 185 (*ir, cmr, pmr, ms*)**4-Methylacenaphthene**

M-1-00018

1,2-Dihydro-4-methylacenaphthylene, 9CI, 8CI

[19345-96-1]

C₁₃H₁₂ M 168.2

Constit. of coal.

Kershaw, H.R., *Polycyclic Aromat. Compd.*, 1993, **3**, 185 (*ir, ms, pmr, cmr*)**5-Methylacenaphthene**

M-1-00019

1,2-Dihydro-5-methylacenaphthylene, 9CI, 8CI

[17057-80-6]

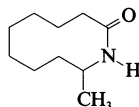
C₁₃H₁₂ M 168.2

Needles (EtOH). Mp 97°.

Cason, J. *et al*, *J.O.C.*, 1968, **33**, 3404 (*synth*)Deady, L.W. *et al*, *J.O.C.*, 1972, **37**, 3335 (*synth*)

Kershaw, J.R., *Polycyclic Aromat. Compd.*, 1993, **3**, 185 (ir, pmr, cmr, ms)
 Bell, S.E.V. et al, *Aust. J. Chem.*, 1994, **47**, 1469 (synth, ir, pmr)

10-Methylazacyclodecan-2-one **M-1-00020**
 [134781-56-9]



$C_{10}H_{19}NO$ M 169.2
 (±)-form
 Solid. Mp 223-225°.

Bartra, M. et al, *J.O.C.*, 1991, **56**, 5132 (synth, pmr, cmr, ir, ms)

1-Methylazetidide, 9CI **M-1-00021**
 [4923-79-9]

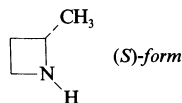


C_4H_9N M 71.1
 Liq. with ammoniacal odour. Bp₇₃₅ 40°.
 Picrate: Cryst. (C_6H_6). Mp 135-136°.
 Polymerises on standing.

Searles, S. et al, *J.A.C.S.*, 1956, **78**, 4917 (synth)
 Maciel, G.E. et al, *J. Phys. Chem.*, 1965, **69**, 3925 (cmr)

Mazzocchi, P.H. et al, *J.O.C.*, 1979, **44**, 50 (pmr, ir)

2-Methylazetidide, 9CI **M-1-00022**
 [19812-49-8]



C_4H_9N M 71.1
 (S)-form [52265-79-9]
 Liq. Bp 71-72°. $[\alpha]_D^{20} +11.6$ (c, 1 in hexane). n_D^{20} 1.4208.

l-Me: [52265-80-2]. 1,2-Dimethylazetidide
 $C_6H_{11}N$ M 85.1 Liq. Bp 61°. $[\alpha]_D^{20} +43.5$ (c, 1 in heptane).

(±)-form [52730-18-4]
 Liq. with ammoniacal odour. Bp₇₅₅ 72-76°.
 Vaughan, W.R. et al, *J.O.C.*, 1961, **26**, 138 (synth)
 Kostyanovsky, R.G. et al, *Org. Mass Spectrom.*, 1972, **6**, 661 (ms)
 Kostyanovsky, R.G. et al, *Tetrahedron*, 1974, **30**, 39 (resoln, uv, cd)

3-Methylazetidide, 9CI **M-1-00023**
 [35196-99-7]

C_4H_9N M 71.1
 Liq. Bp 74-75°.

Higgins, R.H. et al, *J. Het. Chem.*, 1971, **8**, 531 (synth, pmr)

2-Methylbenzenemethanethiol, M-1-00024
9CI
 2-Methylbenzyl mercaptan. 2-(Mercaptomethyl)toluene
 [7341-24-4]



$C_8H_{10}S$ M 138.2
 Liq. Bp₁₄ 97°.

S-Me: [5925-79-1]. 1-Methyl-2[(methylthio)methyl]benzene, 9CI. Methyl 2-methylbenzyl sulfide

$C_9H_{12}S$ M 152.2 Oil. Bp₂₇ 122-123°.

Cagniant, P. et al, *Bull. Soc. Chim. Fr.*, 1961, 2225 (synth)

Oda, R. et al, *J.O.C.*, 1961, **26**, 4679 (S-Me, synth)

Padwa, A. et al, *Tetrahedron*, 1988, **44**, 4147 (S-Me, synth)

3-Methylbenzenemethanethiol, M-1-00025
9CI

3-Methylbenzyl mercaptan. 3-(Mercaptomethyl)toluene

[25697-56-7]

$C_8H_{10}S$ M 138.2

Liq. Bp₈ 80-81°. n_D^{27} 1.5602.

Lombardino, J.G. et al, *J. Med. Chem.*, 1970, **13**, 206 (synth)

4-Methylbenzenemethanethiol, M-1-00026
9CI

4-Methylbenzyl mercaptan. 4-(Mercaptomethyl)toluene

[4498-99-1]

$C_8H_{10}S$ M 138.2

Liq. Bp₃₀ 112-114°, Bp₁₄ 99°.

S-Me: [5925-57-5]. 1-Methyl-4[(methylthio)methyl]benzene, 9CI. Methyl 4-methylbenzyl sulfide

$C_9H_{12}S$ M 152.2 Oil. Bp₃₀ 121°.

S-Ph: [5023-65-4]. 1-Methyl-4[(phenylthio)methyl]benzene, 9CI. 4-Methylbenzyl phenyl sulfide

$C_{14}H_{14}S$ M 214.3 Cryst. (EtOH). Mp 69.0-70.1°.

Cagniant, P. et al, *Bull. Soc. Chim. Fr.*, 1961, 2225 (synth)

Molina, P. et al, *Synthesis*, 1982, 472 (synth)
 Oae, S. et al, *Bull. Chem. Soc. Jpn.*, 1983, **56**, 248 (S-Me, S-Ph)

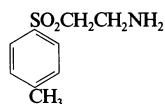
Olah, G.A. et al, *Synthesis*, 1994, 277 (S-Me, synth)

2-(4-Methylbenzenesulfonyl) ethylamine **M-1-00027**

2-[(4-Methylphenyl)sulfonyl]ethanamine, 9CI.

β-Tosylethylamine

[50702-03-9]

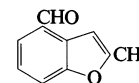


$C_9H_{13}NO_2S$ M 199.2

Reagent for N-protection of amides, carbamates and related compds. Cryst. (C_6H_6 /petrol). Mp 66-67° (62.5-64°).

Madinaveitia, J. et al, *Biochem. J.*, 1945, **39**, 85 (synth)
 Di Pietro, D. et al, *J.O.C.*, 1994, **59**, 5856 (synth, use, pmr)

2-Methyl-4-benzofurancarboxaldehyde, 9CI **M-1-00028**
Habropetalal
 [71641-09-3]



$C_{10}H_8O_2$ M 160.1

Isol. from the fish-stunning plant

Habropetalum dawei. Pale yellow oil. Bp_{0.1} 80°.

Hanson, S.W. et al, *Phytochemistry*, 1981, **20**, 1162 (isol)

3-Methyl-2-benzofurancarboxaldehyde, 9CI **M-1-00029**
 [1199-07-1]

$C_{10}H_8O_2$ M 160.1

Cryst. (MeOH or petrol). Mp 65°.

Bisagni, E. et al, *Bull. Soc. Chim. Fr.*, 1962, 925 (synth)

Deorna, D.S. et al, *Chem. Ber.*, 1964, **98**, 3577 (synth)

Saari, W.S. et al, *J. Med. Chem.*, 1992, **35**, 3792 (synth, pmr)

4-Methyl-2-benzofurancarboxaldehyde, 9CI **M-1-00030**

[53715-91-6]

$C_{10}H_8O_2$ M 160.1

Needles (cyclohexane/petrol). Mp 57.5°. Bp₉ 141°.

Platzer, N. et al, *Bull. Soc. Chim. Fr.*, 1974, 905 (synth)

4-Methyl-5-benzofurancarboxaldehyde, 9CI **M-1-00031**
 [119795-37-8]

$C_{10}H_8O_2$ M 160.1

Pale peach solid. Mp 66-67°.

Hammond, M.L. et al, *J. Med. Chem.*, 1989, **32**, 1006 (synth, pmr)

5-Methyl-2-benzofurancarboxaldehyde, 9CI **M-1-00032**

[40724-03-6]

$C_{10}H_8O_2$ M 160.1

Microcryst. (petrol). Mp 28.5°. Bp₁₀ 143°.

Platzer, N. et al, *Bull. Soc. Chim. Fr.*, 1974, 905 (synth)

5-Methyl-3-benzofurancarboxaldehyde, 9CI **M-1-00033**

[143883-36-7]

$C_{10}H_8O_2$ M 160.1

Liq.

Deshpande, A.R. *et al*, *Indian J. Chem., Sect. B*, 1992, **31**, 526 (*synth, ir, pmr*)**6-Methyl-2-benzofurancarboxaldehyde, 9CI** M-1-00034

[53715-92-7]

C₁₀H₈O₂ M 160.1Prisms (petrol). Mp 36°. Bp₁₀ 146°.Platzer, N. *et al*, *Bull. Soc. Chim. Fr.*, 1974, 905 (*synth*)**6-Methyl-3-benzofurancarboxaldehyde, 9CI** M-1-00035

[143883-37-8]

C₁₀H₈O₂ M 160.1

Liq.

Deshpande, A.R. *et al*, *Indian J. Chem., Sect. B*, 1992, **31**, 526 (*synth, ir, pmr*)**7-Methyl-2-benzofurancarboxaldehyde, 9CI** M-1-00036

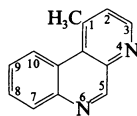
[57897-70-8]

C₁₀H₈O₂ M 160.1

Flavour enhancer for coffee.

U.S. Pat., 4 002 793, (1977) (*Firmenich*); *CA*, **86**, 171246p (*synth, uv*)**1-Methylbenzo[f][1,7]naphthyridine, 9CI** M-1-00037

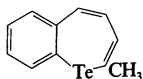
[155050-59-2]

C₁₃H₁₀N₂ M 194.2

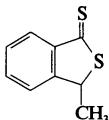
Cryst. (heptane). Mp 89-90°.

Chrastek, L. *et al*, *Aust. J. Chem.*, 1994, **47**, 2129 (*synth, pmr*)**2-Methyl-1-benzotellurepin, 9CI** M-1-00038

[153140-88-6]

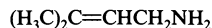
C₁₁H₁₀Te M 269.8

Viscous orange-red oil. Unstable, gradually dec. Higher homologues also prepd.

Sashida, H. *et al*, *Chem. Pharm. Bull.*, 1995, **43**, 19 (*synth, pmr*)**3-Methylbenzo[c]thiophene-1(3H)-thione** M-1-00039C₉H₈S₂ M 180.2(±)-*form*Liq. Bp₃ 155°.Nishio, T., *J.C.S. Perkin 1*, 1995, 561 (*synth, ir, pmr, cmr*)**3-Methyl-2-buten-1-amine, 9CI** M-1-00040

3-Methyl-2-butenylamine, 8CI. 3,3-Dimethylallylamine. 1-Amino-3-methyl-2-butene. Prenylamine†

[13822-06-5]

C₅H₁₁N M 85.1Oil. d₄²⁰ 0.8010. Bp 109.5-111°. n_D²⁰ 1.4423.*Hydrochloride*: [26728-58-5].

Cryst. (EtOH). Mp 201°.

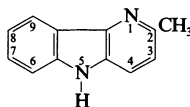
Picrate: Cryst. (EtOAc/C₆H₆). Mp 138.6-139.2°.*Ac*: [73286-69-8].C₇H₁₃NO M 127.1 Oil.

[108963-90-2]

Semenow, D. *et al*, *J.A.C.S.*, 1958, **80**, 5472 (*synth*)Desvages, G. *et al*, *Bull. Soc. Chim. Fr.*, 1969, 3229; 1970, 1938 (*synth*)Stotskii, A.A. *et al*, *Zh. Org. Khim.*, 1971, **7**, 2081; 1976, **12**, 1650; *J. Org. Chem. USSR (Engl. Transl.)*, 1971, **7**, 2162; 1976, **12**, 1625 (*synth, ir, pmr*)Montgomery, J.A. *et al*, *J. Med. Chem.*, 1977, **20**, 116 (*synth, pmr, cmr*)Deslongchamps, P. *et al*, *Chem. Heterocycl. Compd.*, 1979, **57**, 3262 (*synth, pmr*)Chen, S.C. *et al*, *Agric. Biol. Chem.*, 1982, **46**, 2361 (*cmr*)Murahashi, S. *et al*, *J.O.C.*, 1989, **54**, 3292 (*synth, pmr*)Crombie, L. *et al*, *J.C.S. Perkin 1*, 1992, 3179 (*synth, pmr*)Ramalingam, K. *et al*, *Synth. Commun.*, 1995, **25**, 743 (*synth, acetate*)**2-Methyl-δ-carboline** M-1-00041

2-Methyl-5H-pyrido[3,2-b]indole, 9CI

[78121-16-1]

C₁₂H₁₀N₂ M 182.2Cryst. (C₆H₆/petrol). Mp 275°.Sevodin, V.P. *et al*, *Khim. Geterotsykl. Soedin.*, 1981, 368; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1981, 271 (*synth, uv, pmr*)**4-Methyl-δ-carboline** M-1-00042

4-Methyl-5H-pyrido[3,2-b]indole, 9CI

[78121-17-2]

C₁₂H₁₀N₂ M 182.2Cryst. (C₆H₆/petrol). Mp 264-265°.Sevodin, V.P. *et al*, *Khim. Geterotsykl. Soedin.*, 1981, 368; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1981, 271 (*synth, uv, pmr*)Quéguiner, G. *et al*, *J.O.C.*, 1993, **58**, 7832 (*synth, pmr, cmr, ir*)**Methylcyanamide, 9CI** M-1-00043*Methylcarbodiimide*

[4674-68-4]

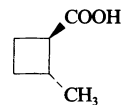
C₂H₄N₂ M 56.0

Liq. Mp -40° to -50°. Nondistillable.

Polym. on standing to give trimethylmelamine (see under 1,3,5-Triazine-2,4,6-triamine, T-0-03623). Can be stored as cryst. at -78°.

Baum, F. *et al*, *Ber.*, 1908, **41**, 524 (*synth*)Kitawaki, R. *et al*, *J.O.C.*, 1960, **25**, 1043 (*synth*)Cockerill, A.F. *et al*, *Synthesis*, 1976, 591 (*synth*)**2-Methylcyclobutane-carboxylic acid** M-1-00044

[42185-61-5]

(1*RS*,2*RS*)-*form*C₆H₁₀O₂ M 114.1In later lit. *cis* and *trans* isomers were sep. by glc and characterised by pmr. *trans*-Isomer descr. below may be a mixt. of isomers.(1*RS*,2*RS*)-*form* [57705-61-0](±)-*trans-form*

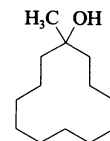
Liq. with unpleasant cheese-like odour. Bp 200°.

Et ester:C₈H₁₄O₂ M 142.1 d₄²⁵ 0.94. Bp 161-164°.*Amide*:C₆H₁₁NO M 113.1 Cryst. (C₆H₆/pentane). Mp 130-131.5°.

[57705-60-9]

Blomquist, A.T. *et al*, *J.O.C.*, 1956, **21**, 1371 (*synth*)Silver, M.S. *et al*, *J.A.C.S.*, 1961, **83**, 3671 (*synth*)Gol'mov, V.P. *et al*, *Zh. Org. Khim.*, 1966, **2**, 2159; *J. Org. Chem. USSR (Engl. Transl.)*, 1966, **2**, 2116 (*synth*)Hill, E.A. *et al*, *J.A.C.S.*, 1976, **98**, 167 (*synth, pmr, bibl*)Török, B. *et al*, *J.C.S. Perkin 1*, 1993, 801 (*synth, ms, pmr*)**1-Methyl-1-cyclododecanol** M-1-00045

[32400-09-2]

C₁₃H₂₆O M 198.3

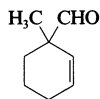
Cryst. (petrol). Mp 91-92.5°.

Me ether: [37514-30-0]. 1-Methoxy-1-methylcyclododecane. *Madrox*C₁₄H₂₈O M 212.3 Used in perfumery. Liq. d 0.92.

[26600-63-5]

Sicher, J. *et al*, *Coll. Czech. Chem. Comm.*, 1971, **36**, 3633; *CA*, **76**, 85240v (*synth*)*Ger. Pat.*, 2 152 016, (1972); *CA*, **77**, 47952s.*Swiss Pat.*, 550 344, (1974); *CA*, **82**, 47636v.*Ger. Pat.*, 2 852 344, (1980); *CA*, **93**, 220427e.Archer, M. *et al*, *J. Chim. Phys. Phys.-Chim. Biol.*, 1982, **79**, 227 (*cmr*)

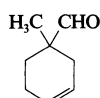
1-Methyl-2-cyclohexene-1-carboxaldehyde, 9CI **M-1-00046**
3-Formyl-3-methylcyclohexene
[22911-31-5]



$C_8H_{12}O$ M 124.1
(±)-form [66088-40-2]
Liq. Bp₁₂ 60-70°.

Nerdel, F. *et al*, *Chem. Ber.*, 1969, **102**, 407
(synth, ir, pmr)

1-Methyl-3-cyclohexene-1-carboxaldehyde, 9CI **M-1-00047**
4-Formyl-4-methylcyclohexene
[931-96-4]

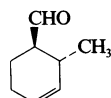


$C_8H_{12}O$ M 124.1
(±)-form [112622-02-3]
Bp 164-166°, Bp₂₇ 74°. n_D^{20} 1.4640.

Semicarbazone: Cryst. Mp 174°.

Pines, H. *et al*, *J.A.C.S.*, 1951, **73**, 5738 (synth)
Berkowitz, W.F. *et al*, *J.O.C.*, 1976, **41**, 10
(synth, ir, pmr)

2-Methyl-3-cyclohexene-1-carboxaldehyde, 9CI **M-1-00048**
[17775-58-5]



(1R,2R)-form

$C_8H_{12}O$ M 124.1
(1R,2R)-form [766-48-3]
(±)-trans-form
Liq. Bp₁₅ 56-57°.

Semicarbazone: Mp 141-143° (139-140°).

(1R,2SR)-form [873-30-3]

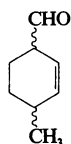
(±)-cis-form

Liq. Bp₁₂ 60-61°. n_D^{20} 1.4732 (1.4780).

Semicarbazone: [709-37-5].
Mp 196-197° (181.5-183°).

Alder, K. *et al*, *Annalen*, 1949, **564**, 120 (synth)
Büchi, G. *et al*, *J.A.C.S.*, 1970, **92**, 3126 (synth,
pmr)
Kugatova-Shemyakina, G.P. *et al*, *Zh. Org. Khim.*, 1970, **6**, 2446; *J. Org. Chem. USSR*
(*Engl. Transl.*), 1970, **6**, 2459 (synth)

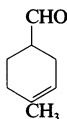
4-Methyl-2-cyclohexene-1-carboxaldehyde, 9CI **M-1-00049**
3-Formyl-6-methylcyclohexene
[19876-38-1]



$C_8H_{12}O$ M 124.1

Liq. Bp₆ 55-60°. n_D^{20} 1.487.
Semicarbazone: [19876-39-2].
Cryst. (EtOH aq.). Mp 136-137°.
Vig, O.P. *et al*, *Indian J. Chem.*, 1967, **5**, 541
(synth, ir)

4-Methyl-3-cyclohexene-1-carboxaldehyde, 9CI **M-1-00050**
4-Formyl-1-methylcyclohexene
[7560-64-7]



$C_8H_{12}O$ M 124.1
(±)-form [61426-17-3]
Liq. Bp₂₂ 79-80°. n_D^{20} 1.4708.

Semicarbazone: [27312-86-3].

Plates (EtOH). Mp 162-163.5°.

Di-Me acetal: [66334-23-4]. 4-
(Dimethoxymethyl)-1-methylcyclohexene,
9CI

$C_{10}H_{18}O_2$ M 170.2 Liq. Bp_{0.25} 63°.

Di-Et acetal: [80825-36-1]. 4-

(Diethoxymethyl)-1-methylcyclohexene, 9CI

$C_{12}H_{22}O_2$ M 198.3 Liq. Bp₁₂ 105-
107°.

Kugatova, G. *et al*, *Zh. Obshch. Khim.*, 1957,
27, 2450; 1960, **30**, 3731; *J. Gen. Chem.*
USSR (*Engl. Transl.*), 1957, **27**, 2511; 1960,
30, 3696 (synth)

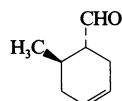
Büchi, G. *et al*, *J.A.C.S.*, 1970, **92**, 3126 (synth)
Nakagawa, K. *et al*, *Bull. Chem. Soc. Jpn.*,
1977, **50**, 2487 (cmr)

Dolby, L. *et al*, *J.O.C.*, 1977, **42**, 1607 (synth, ir,
pmr)

Ipaktschi, J., *Z. Naturforsch., B*, 1986, **41**, 496
(synth, pmr)

Carpita, A. *et al*, *Synth. Commun.*, 1994, **24**,
3167 (synth)

6-Methyl-3-cyclohexene-1-carboxaldehyde, 9CI **M-1-00051**
[89-94-1]



(1R,6RS)-form

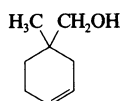
$C_8H_{12}O$ M 124.1
(1R,6RS)-form [36635-33-3]
(±)-trans-form
Liq. Bp₁₃ 63°. n_D^{20} 1.4680.

Semicarbazone: [39163-61-6].
Mp 169°.

Diels, O. *et al*, *Annalen*, 1929, **470**, 62 (synth)

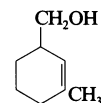
Alder, K. *et al*, *Annalen*, 1949, **564**, 120 (synth)
Bazyl'chik, V.V. *et al*, *Zh. Org. Khim.*, 1985, **21**,
1450 (synth)

1-Methyl-3-cyclohexene-1-methanol, 9CI **M-1-00052**
4-Hydroxymethyl-4-methylcyclohexene
[50552-10-8]



$C_8H_{14}O$ M 126.1
(±)-form
Liq. Bp₃₅ 116°. n_D^{26} 1.4859.
Nouguier, R. *et al*, *Bull. Soc. Chim. Fr.*, 1973,
2399 (synth)

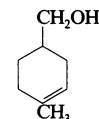
3-Methyl-2-cyclohexene-1-methanol, 9CI **M-1-00053**
3-Hydroxymethyl-1-methylcyclohexene



$C_8H_{14}O$ M 126.1
(±)-form [98442-48-9]
Liq. Bp₁ 55-63°.

Inouye, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1981,
54, 3492 (synth, ir, pmr)

4-Methyl-3-cyclohexene-1-methanol, 9CI **M-1-00054**
4-Hydroxymethyl-1-methylcyclohexene
[39155-38-9]



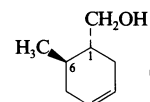
$C_8H_{14}O$ M 126.1
(±)-form [89690-46-0]
Liq. Bp₂₀ 108-109°, Bp₉ 92°. n_D^{26} 1.4575.

Nouguier, R. *et al*, *Bull. Soc. Chim. Fr.*, 1973,
2399 (synth)

Monti, S.A. *et al*, *J.O.C.*, 1975, **40**, 215 (synth,
pmr)

Carpita, A. *et al*, *Synth. Commun.*, 1994, **24**,
3167 (synth)

6-Methyl-3-cyclohexene-1-methanol, 9CI **M-1-00055**
4-Hydroxymethyl-5-methylcyclohexene



(1R,6R)-form

$C_8H_{14}O$ M 126.1
(1R,6R)-form [92344-77-9]
(-)-trans-form
Liq. Bp₂₁ 100-109°. $[\alpha]_D^{23}$ -75.4 (c, 6.63 in
CHCl₃).

(1R,6S)-form [102629-34-5]
Liq. Bp₃₇ 120-122°. $[\alpha]_D^{26}$ -25.58 (c, 0.995
in CHCl₃).

(1S,6S)-form [92344-78-0]
(+)-cis-form
Liq. Bp₂₁ 100-109°. $[\alpha]_D^{23}$ +70.6 (c, 6.82 in
CHCl₃).

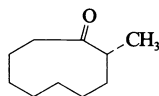
Sonnet, P.E. *et al*, *J.O.C.*, 1984, **49**, 4639
(1R6R-form, synth, pmr)

Clive, D.L.J. *et al*, *J.O.C.*, 1986, **51**, 2717
(1R6S-form, synth, pmr)

U.S. Pat., 5 072 002, (1991); *CA*, **116**, 173892j
(1R6S-form, synth, pmr)

2-Methylcyclononanone, 9CI **M-1-00056**

[73674-37-0]

*(R)*-formC₁₀H₁₈O M 154.2*(R)*-formOil. [α]_D²³ –19.3 (c, 0.23 in CHCl₃).*(±)*-form [141884-17-5]Oil. Bp₁₅ 108°.

2,4-Dinitrophenylhydrazine: [73674-40-5].

Mp 123-124°.

Semicarbazone: Mp 144-145°.

Müller, E. *et al*, *Annalen*, 1962, **654**, 92 (*synth*)Suzuki, S. *et al*, *Agric. Biol. Chem.*, 1987, **51**,3095 (*synth*, *pmr*)Baldwin, J.E. *et al*, *Tetrahedron*, 1992, **48**, 3385*(synth*, *ir*, *pmr*)Satoh, T. *et al*, *Tetrahedron*, 1994, **50**, 11839*(synth*, *ir*, *pmr*, *ms*)Enders, D. *et al*, *Annalen*, 1995, 1127 (*R*-form,*synth*, *ir*, *pmr*, *cmr*, *ms*)**5-Methylcyclononanone, 9CI** **M-1-00057**

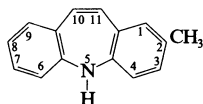
[80926-31-4]

C₁₀H₁₈O M 154.2*(±)*-formLiq. Bp₁₀ 99°. n_D²⁵ 1.4714.

Semicarbazone: Mp 167-168°.

Blomquist, A.T. *et al*, *J.A.C.S.*, 1958, **80**, 630*(synth)***2-Methyl-5H-dibenz[b,f]azepine** **M-1-00058**

[70401-31-9]

C₁₅H₁₃N M 207.2

Yellow plates (EtOH). Mp 164-166°.

Patton, J.R. *et al*, *J. Het. Chem.*, 1979, **16**, 257*(synth*, *uv*, *ir*)Tokmakov, G.P. *et al*, *Tetrahedron*, 1995, **51**,2091 (*synth*, *uv*, *pmr*, *ms*)**3-Methyl-5H-dibenz[b,f]azepine** **M-1-00059**C₁₅H₁₃N M 207.2Yellow plates (C₆H₆). Mp 213-215°.Tokmakov, G.P. *et al*, *Tetrahedron*, 1995, **51**,2091 (*synth*, *uv*, *pmr*)**4-Methyl-5H-dibenz[b,f]azepine** **M-1-00060**C₁₅H₁₃N M 207.2

Orange cryst. (hexane). Mp 85-87°.

Tokmakov, G.P. *et al*, *Tetrahedron*, 1995, **51**,2091 (*synth*, *uv*, *pmr*)**10-Methyl-5H-dibenz[b,f]azepine** **M-1-00061**

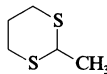
[92552-17-5]

C₁₅H₁₃N M 207.2

Light yellow cryst. (hexane). Mp 133-134°.

Ger. Pat., 1 142 870, (1963); *CA*, **59**, 11454e.Groth, U. *et al*, *Annalen*, 1992, 199 (*synth*, *ir*,*pmr*, *cmr*)Tokmakov, G.P. *et al*, *Tetrahedron*, 1995, **51**,2091 (*synth*, *uv*, *pmr*, *ms*)**2-Methyl-1,3-dithiane** **M-1-00062**

[6007-26-7]

C₅H₁₀S₂ M 134.2Liq. d 1.12. Bp₃ 56-59°. n_D²⁰ 1.5610.*l*-Oxide, (cis-): [60349-78-2].C₅H₁₀OS₂ M 150.2 Cryst. (Et₂O). Mp

60-62°.

l-Oxide, (trans-): [60349-75-9].Cryst. (CH₂Cl₂/Et₂O). Mp 92-94°.

[16452-25-8, 87480-75-9, 87480-78-2, 87480-80-6,

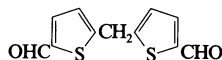
87480-81-7, 99211-34-4, 99211-37-7, 134168-36-

8]

Carey, F.A. *et al*, *J.O.C.*, 1976, **41**, 3975; 1978,**43**, 96 (*synth*, *ir*, *pmr*, *cmr*, *oxides*)Rodriguez, A.D. *et al*, *Tetrahedron*, 1985, **41**,4443 (*synth*, *pmr*)Soderquist, J.A. *et al*, *Tet. Lett.*, 1986, **27**, 6305*(synth)*Page, P.C.B. *et al*, *Synlett*, 1991, 80 (*oxides*)Barkley, J. *et al*, *Acta Cryst. C*, 1992, **48**, 2039*(cryst struct*, *trioxide*)**5,5'-Methylenebis-2-thiophenecarboxaldehyde, 9CI** **M-1-00063**

5,5'-Diformyl-2,2'-dithienylmethane

[32928-33-9]

C₁₁H₈O₂S₂ M 236.3

Prisms (petrol). Mp 95°.

Ahmed, M. *et al*, *J.C.S.(C)*, 1971, 2104 (*synth*,*ir*, *pmr*)Hu, Z. *et al*, *J.O.C.*, 1994, **59**, 8071 (*synth*, *pmr*,*cmr*, *ms*)**3-Methylenecyclohexanol** **M-1-00064**

[6749-63-9]

C₇H₁₂O M 112.1*(±)*-form [97551-97-8]Bp 172-174°. n_D²⁵ 1.4797.

[22445-56-3, 97551-97-8]

Albisetti, C.J. *et al*, *J.A.C.S.*, 1956, **78**, 2637*(synth)*Lambert, J.B. *et al*, *J.A.C.S.*, 1976, **98**, 4203*(conformn)*Brown, J.M. *et al*, *Tet. Lett.*, 1984, **25**, 1393*(synth)***4-Methylenecyclohexanol, 9CI** **M-1-00065**

[22428-85-9]

C₇H₁₂O M 112.1Bp₁₆ 78°.

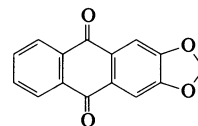
4-Methylbenzenesulfonyl: [89029-65-2].

Cryst.

Stolow, R.D. *et al*, *Tet. Lett.*, 1968, 5781*(conformn*, *pmr*)Bocelli, G. *et al*, *J. Mol. Struct.*, 1983, **102**, 39*(cryst struct*, *deriv*)Ishiyama, J. *et al*, *Bull. Chem. Soc. Jpn.*, 1987,**60**, 1721 (*synth*, *ir*, *cmr*)Kirmse, W. *et al*, *Chem. Ber.*, 1987, **120**, 839*(synth)***2,3-Methylenedioxy-anthraquinone** **M-1-00066**

Anthra[2,3-d]-1,3-dioxole-5,10-dione, 9CI

[107996-98-5]

C₁₅H₈O₄ M 252.2

Yellow needles (EtOAc). Mp 225-226°.

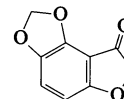
Khanapure, S.P. *et al*, *J. Nat. Prod.*, 1989, **52**,1357 (*synth*, *ir*, *pmr*, *cmr*, *ms*)**6,7-Methylenedioxyphthalide** **M-1-00067**

Furo[3,4-e]-1,3-benzodioxol-8(6H)-one, 9CI.

6,7-Methylenedioxy-1(3H)-isobenzofuranone.

Corybulidol

[4741-65-5]

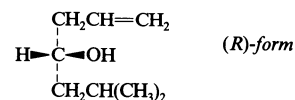
C₉H₆O₄ M 178.1Isol. from tuber tissue of *Corydalis humosa*.

Mp 236-238° (230-232°).

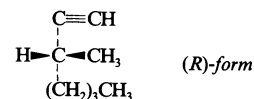
Hughes, D.W. *et al*, *Can. J. Chem.*, 1976, **54**,2252 (*cmr*)Cushman, M. *et al*, *J.O.C.*, 1980, **45**, 5067*(synth*, *ir*, *pmr*, *ms*)Hung, T.V. *et al*, *Aust. J. Chem.*, 1981, **34**, 383*(synth*, *pmr*)Sinhababu, A.K. *et al*, *J.O.C.*, 1983, **48**, 2356*(synth*, *ir*, *pmr*)Liu, C. *et al*, *CA*, 1990, **113**, 55822b (*isol*)**6-Methyl-1-hepten-4-ol** **M-1-00068**

Allylisobutylcarbinol

[75863-15-9]

*(R)*-formC₈H₁₆O M 128.2*(R)*-form [133379-16-5]Liq. Bp 60-62°. [α]_D +17.6 (c, 3 inCH₂Cl₂).*(±)*-formLiq. Bp₇₄₈ 162-163°, Bp₂₈ 95-100°.Herrmann, R. *et al*, *Z. Naturforsch.*, **B**, 1990,**45**, 1684 (*R*-form)Imai, T. *et al*, *Synthesis*, 1993, 395 (*synth*)**3-Methyl-1-heptyne, 9CI** **M-1-00069**

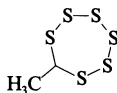
[53293-03-1]

*(R)*-formC₈H₁₄ M 110.1

(R)-form [153219-25-1]
Oil. Bp 92-97°. $[\alpha]_D^{25}$ –25.3 (c, 1.7 in CHCl_3).

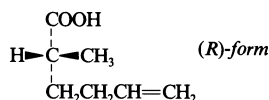
(±)-form
Liq. d_{20} 0.74. Bp 109-111°. n_D^{20} 1.4110.
Okhlobystin, O.Y. *et al*, *Neftekimiya*, 1961, **1**, 752; *CA*, **57**, 14918f (*synth*)
Aoyagi, S. *et al*, *J.A.C.S.*, 1993, **115**, 11393 (*synth*, *ir*, *pmr*, *cmr*)

Methylhexathiepane **M-1-00070**
[151261-57-3]



$\text{C}_2\text{H}_4\text{S}_6$ M 220.4
Prod. by *Thermococcus acidaminovorans* and *T. tadjuricus*.
Ritzau, M. *et al*, *Annalen*, 1993, 871.

2-Methyl-5-hexenoic acid **M-1-00071**
[77290-89-2]



$\text{C}_7\text{H}_{12}\text{O}_2$ M 128.1

(R)-form
Yellow oil. $[\alpha]_D^{25}$ –8.2 (c, 1.07 in CH_2Cl_2).
Benzyl ester: [135006-50-7].
 $\text{C}_{14}\text{H}_{18}\text{O}_2$ M 218.2 $[\alpha]_D$ –11.3 (c, 2.89 in CHCl_3).

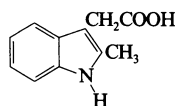
(±)-form
Bp_{1.5} 120°.
Et ester: [86553-85-7].
 $\text{C}_9\text{H}_{16}\text{O}_2$ M 156.2 Bp₉₀ 103°.
Beckwith, A.L.J. *et al*, *Aust. J. Chem.*, 1983, **36**, 545 (*Et ester*)
Fujisawa, T. *et al*, *Tetrahedron*, 1989, **45**, 403 (*synth*, *pmr*, *ir*)
Wu, M.-J. *et al*, *Org. Prep. Proced. Int.*, 1994, **26**, 671 (*R-form*, *synth*, *cmr*, *pmr*)

2-Methyl-3-hexyne, 9CI **M-1-00072**
Ethylisopropylacetylene
[36566-80-0]



C_7H_{12} M 96.1
Liq. Bp 94-95°. n_D^{20} 1.4114.
Dedusenko, L.S., *CA*, 1943, **37**, 1697; 1944, **38**, 1466 (*synth*)
Levina, R.Ya. *et al*, *Zh. Obshch. Khim.*, 1956, **26**, 2195; *J. Gen. Chem. USSR (Engl. Transl.)*, 2453 (*synth*)
West, R. *et al*, *J.A.C.S.*, 1976, **98**, 8413 (*pmr*, *ir*, *ms*)
Mori, K. *et al*, *Annalen*, 1994, 817 (*synth*)

2-Methyl-1H-indole-3-acetic acid, 8CI **M-1-00073**



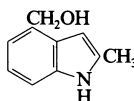
$\text{C}_{11}\text{H}_{11}\text{NO}_2$ M 189.2

Cryst. (MeOH). Mp 198°.
Me ester: [78564-10-0].
 $\text{C}_{12}\text{H}_{13}\text{NO}_2$ M 203.2 Cryst. (petrol).
Mp 67°.

Hydrazide: [21909-51-3].
Mp 164°.
Amide: [58360-14-8]. *2-Methyl-1H-indole-3-acetamide, 9CI*
 $\text{C}_{11}\text{H}_{12}\text{N}_2\text{O}$ M 188.2 Cryst. Mp 96°.
Nitrile: [4071-16-3]. *2-Methyl-1H-indole-3-acetonitrile*
 $\text{C}_{11}\text{H}_{10}\text{N}_2$ M 170.2 Cryst. (Et₂O). Mp 108-109°.

N-Benzoyl: [16401-80-2]. *1-Benzoyl-2-methyl-3-indoleacetic acid, 8CI. Delmetacin, INN. Demetacin. UR 2310*
 $\text{C}_{18}\text{H}_{15}\text{NO}_3$ M 293.3 Analgesic, antipyretic, antiinflammatory agent. Mp 167-168°.
► LD₅₀ (rat, orl) 362 mg/kg. LD₅₀ (rat, ipr) 262 mg/kg. NL3350000.
Netherlands Pat., 6 605 169, (1966) (*Sumitomo*); *CA*, **67**, 90668j (*synth*, *pharmacol*)
Rimbau, V. *et al*, *Arch. Pharmacol. Toxicol.*, 1982, **8**, 201 (*deriv. tox*)
Teuber, H.-J. *et al*, *Annalen*, 1983, 1744 (*synth*)

2-Methyl-1H-indole-4-methanol, 9CI **M-1-00074**
4-(Hydroxymethyl)-2-methyl-1H-indole
[154523-21-4]

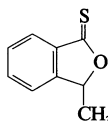


$\text{C}_{10}\text{H}_{11}\text{NO}$ M 161.2
Alkaloid from fruit bodies of the mushrooms *Tricholoma sciodes* and *T. virgatum*.
Yellow oil.

Me ether: [154523-22-5]. *4-(Methoxymethyl)-2-methylindole*
 $\text{C}_{11}\text{H}_{13}\text{NO}$ M 175.2 From *T. sciodes* and *T. virgatum*. Yellow oil.

Garlaschelli, L. *et al*, *Tetrahedron*, 1994, **50**, 3571 (*isol*, *uv*, *ir*, *pmr*, *cmr*, *ms*, *struct*)

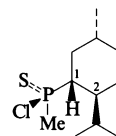
3-Methyl-1(3H)-isobenzofuranthione **M-1-00075**



$\text{C}_9\text{H}_8\text{OS}$ M 164.2
(±)-form
Cryst. Mp 61-63°. Bp₃ 145°.

Nishio, T., *J.C.S. Perkin 1*, 1995, 561 (*synth*, *ir*, *pmr*, *cmr*)

Methyl (2-isopropyl-5-methylcyclohexyl) phosphinothioic chloride **M-1-00076**
Methyl[5-methyl-2-(1-methylethyl)cyclohexyl] phosphinothioic chloride, 9CI



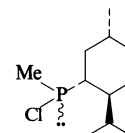
(1R,2S,5R)-(Rp)-form

$\text{C}_{11}\text{H}_{22}\text{ClPS}$ M 252.7
(1R,2S,5R)-(Rp)-form [113613-11-9]
Menthylmethylphosphinothioic chloride. Menthylmethylthiophosphinic chloride
Obt. only as diastereoisomer mixt.
(1R,2S,5R)-(Sp)-form [113613-10-8]
Obt. 92% opt. pure. Solid. Mp 53°. Et, isopropyl, Ph and *tert*-butyl analogues also prepd. Cryst. struct. detn. is on the *tert*-butyl analogue.

[103633-99-4, 103634-00-0, 103953-56-6, 103953-57-7, 113613-12-0, 113613-13-1, 113613-14-2, 113613-15-3]

Boese, R. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1985, **25**, 103; 1986, **28**, 351 (*synth*, *pmr*, *P-31 nmr*, *cryst struct*, *analogues*)
Hägele, G. *et al*, *J.C.S. Dalton*, 1987, 795 (*synth*, *pmr*, *cmr*, *P-31 nmr*)

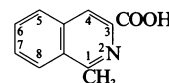
Methyl(2-isopropyl-5-methylcyclohexyl) phosphinous chloride, 8CI **M-1-00077**
Methyl[5-methyl-2-(1-methylethyl)cyclohexyl] phosphinous chloride, 9CI



$\text{C}_{11}\text{H}_{22}\text{ClP}$ M 220.7
(1R,2S,5R)-form [92808-62-3]
Menthylmethylphosphinous chloride. Chloromethylmenthylphosphine
Liq. Bp_{0.2-0.3} 78-80°. Epimers at P not recognisable spectroscopically because of rapid Cl exchange (distinction from Ph analogue (2-Isopropyl-5-methylcyclohexyl) phenylphosphinous chloride, I-1-00076).

Hägele, G. *et al*, *J.C.S. Dalton*, 1987, 795 (*synth*, *pmr*, *cmr*, *P-31 nmr*)

1-Methyl-3-isoquinolinecarboxylic acid, 9CI **M-1-00078**



$\text{C}_{11}\text{H}_9\text{NO}_2$ M 187.1
Me ester: [94726-23-5].
 $\text{C}_{12}\text{H}_{11}\text{NO}_2$ M 201.2 Mp 104-105°.
Et ester: [86051-56-1].
 $\text{C}_{13}\text{H}_{13}\text{NO}_2$ M 215.2 Mp 104°.

Hickey, D.M.B. *et al*, *J.C.S. Perkin 1*, 1986, 1113; 1987, 921 (*synth*, *ir*, *pmr*, *esters*)

1-Methyl-4-isoquinolinecarboxylic acid, 9CI

M-1-00079

C₁₁H₉NO₂ M 187.1

Nitrile: [35005-95-9]. 4-Cyano-1-methylisoquinoline

C₁₁H₈N₂ M 168.1 Needles (cyclohexane). Mp 100-101°.

[69230-00-8]

Tateuchi, I. *et al*, *Chem. Pharm. Bull.*, 1992, **40**, 2602 (nitrile)**3-Methyl-1-isoquinolinecarboxylic acid, 9CI**

M-1-00080

[105956-71-6]

C₁₁H₉NO₂ M 187.1

Nitrile: [22381-52-8]. 1-Cyano-3-methylisoquinoline

C₁₁H₈N₂ M 168.1 Cryst. (petrol). Mp 105-106°.

Nitrile, 2-oxide: [16281-21-3].

C₁₁H₈N₂O M 184.1 Mp 195-196°.Kubo, A. *et al*, *Chem. Pharm. Bull.*, 1968, **16**, 1533 (ms, nitrile)Simonsen, O. *et al*, *Acta Chem. Scand.*, 1970, **24**, 268 (synth, nitrile, oxide)Kirby, G.W. *et al*, *J.C.S. Perkin 1*, 1979, 270 (synth, ir, pmr, nitrile)**3-Methyl-5-isoquinolinecarboxylic acid, 9CI**

M-1-00081

C₁₁H₉NO₂ M 187.1

Nitrile:

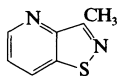
C₁₁H₈N₂ M 168.1 Cryst. (petrol). Mp 127-129°.

[73459-97-9]

Elderfield, R.C. *et al*, *J.O.C.*, 1958, **23**, 435 (synth, nitrile)**3-Methylisothiazolo[4,5-b]pyridine**

M-1-00082

[147055-79-6]

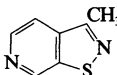
C₇H₆N₂S M 150.2

Parent heterocycle currently unknown (1994). Cryst. with unpleasant odour. Mp 75-77°.

Chimichi, S. *et al*, *Synth. Commun.*, 1993, **23**, 73.**3-Methylisothiazolo[5,4-c]pyridine**

M-1-00083

[42242-20-6]

C₇H₆N₂S M 150.2

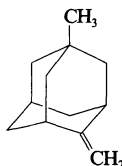
Parent heterocycle currently unknown (1994). Pale orange solid. Mp 57-58°.

Taurins, A. *et al*, *Can. J. Chem.*, 1973, **51**, 1741 (synth, pmr, uv)Chimichi, S. *et al*, *Synth. Commun.*, 1993, **23**, 73 (synth)**1-Methyl-4-methyleneadamantane**

M-1-00084

1-Methyl-4-methylenetricyclo[3.3.1.1^{3,7}]decane, 9CI

[155396-29-5]

C₁₂H₁₈ M 162.2

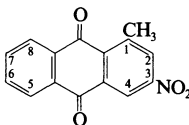
Oil.

Adcock, W. *et al*, *J.O.C.*, 1994, **59**, 1867 (synth, pmr, cmr)**1-Methyl-3-nitroanthraquinone**

M-1-00085

1-Methyl-3-nitro-9,10-anthracenedione, 9CI

[92424-69-6]

C₁₅H₉NO₄ M 267.2

Yellow cryst. Mp 260-261.5°.

Gudzenko, V.I., *Zh. Obshch. Khim.*, 1963, **33**, 940; *CA*, **59**, 9925a (synth)**1-Methyl-4-nitroanthraquinone**

M-1-00086

1-Methyl-4-nitro-9,10-anthracenedione, 9CI

[42431-35-6]

C₁₅H₉NO₄ M 267.2

Mp 261-261.5°.

Fain, V.Ya. *et al*, *Zh. Obshch. Khim.*, 1961, **31**, 1588; *CA*, **55**, 24699q (synth)**1-Methyl-5-nitroanthraquinone**

M-1-00087

1-Methyl-5-nitro-9,10-anthracenedione, 9CI

[5025-16-1]

C₁₅H₉NO₄ M 267.2Yellow needles (C₆H₆). Mp 254-256°.Oda, N. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 2578 (synth, ir)**1-Methyl-8-nitroanthraquinone**

M-1-00088

1-Methyl-8-nitro-9,10-anthracenedione, 9CI

[5025-17-2]

C₁₅H₉NO₄ M 267.2

Yellow needles. Mp 258-260°.

Oda, N. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 2578 (synth, ir)**2-Methyl-1-nitroanthraquinone**

M-1-00089

2-Methyl-1-nitro-9,10-anthracenedione, 9CI

[129-15-7]

C₁₅H₉NO₄ M 267.2

Yellow cryst. (AcOH). Mp 272-273°.

▶ Suspected carcinogen.

Locher, A. *et al*, *Helv. Chim. Acta*, 1927, **10**, 642 (synth)Wood, G.D. *et al*, *J.C.S.*, 1962, 3373 (synth)Kim, J.I. *et al*, *J.A.C.S.*, 1992, **114**, 9309 (pmr)Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MMG000.**6-Methyl-1-nitroanthraquinone**

M-1-00090

6-Methyl-1-nitro-9,10-anthracenedione, 9CI

[68449-97-8]

C₁₅H₉NO₄ M 267.2Yellow needles (C₆H₆). Mp 266°.Oda, N. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 2578 (synth, ir)**7-Methyl-1-nitroanthraquinone**

M-1-00091

7-Methyl-1-nitro-9,10-anthracenedione, 9CI

[68449-99-0]

C₁₅H₉NO₄ M 267.2

Cryst. Mp 240-242°.

Oda, N. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 2578 (synth, ir)**(1-Methyl-1-nitroethyl)phosphonic acid**

M-1-00092

O₂NC(CH₃)₂P(O)(OH)₂C₃H₈NO₅P M 169.0

Solid (as anilinium salt). Mp 178° (anilinium salt).

Di-Me ester: [53753-43-8]. Dimethyl (1-methyl-1-nitroethyl)phosphonate

C₅H₁₂NO₅P M 197.1 Liq. Mp 178° (anilinium salt). Bp₂ 95-96°, Bp_{0.1} 80-81°. n_D²⁰ 1.4459.

Di-Et ester: [60171-51-9]. Diethyl (1-methyl-1-nitroethyl)phosphonate

C₇H₁₆NO₅P M 225.1 Liq. Bp₂ 107°. n_D²⁰ 1.4357.

Dipropyl ester: [60171-52-0]. Dipropyl (1-methyl-1-nitroethyl)phosphonate

C₉H₂₀NO₅P M 253.2 Liq. Bp₃ 105°. n_D²⁰ 1.4442.

Dichloride: [60171-57-5].

C₃H₆Cl₂NO₃P M 205.9 Solid. Mp 128°.

[60171-54-2]

Petrov, K.A. *et al*, *Zh. Obshch. Khim.*, 1974, **44**, 1649; 1976, **46**, 1246; *J. Gen. Chem. USSR (Engl. Transl.)*, 1974, **44**, 1617; 1976, **46**, 1226 (synth, esters)Russell, G.A. *et al*, *J.O.C.*, 1982, **47**, 1480 (esters, synth, ir, ms, pmr, cmr, P-31 nmr)**(1-Methyl-2-nitroethyl)phosphonic acid**

M-1-00093

O₂NCH₂CH(CH₃)P(O)(OH)₂C₃H₈NO₅P M 169.0

(±)-form

Di-Me ester: [56373-69-4]. *Dimethyl (1-methyl-2-nitroethyl)phosphonate*
 $C_9H_{12}NO_5P$ M 197.1 Liq. Bp_{0.2} 102°.

Di-Et ester: [42591-64-0]. *Diethyl (1-methyl-2-nitroethyl)phosphonate*
 $C_7H_{16}NO_5P$ M 225.1 Liq. d₄²⁰ 1.16. Bp₁ 96-97°. n_D^{20} 1.4420.

Diisopropyl ester: [42591-65-1]. *Diisopropyl (1-methyl-2-nitroethyl)phosphonate*
 $C_9H_{20}NO_5P$ M 253.2 Liq. d₄²⁰ 1.10. Bp₁ 86-87°. n_D^{20} 1.4385.

Dichloride:

$C_2H_6Cl_2NO_3P$ M 205.9 Liq. Bp_{0.5} 78°. n_D^{20} 1.4940.

Lazareva, M.V. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1973, 1382; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1973, 1342 (esters)

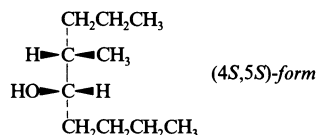
Petrov, K.A. *et al*, *Zh. Obshch. Khim.*, 1976, 46, 1246; *J. Gen. Chem. USSR (Engl. Transl.)*, 1976, 46, 1226 (esters, dichloride)

Gareev, R.D. *et al*, *Zh. Obshch. Khim.*, 1978, 48, 276; *J. Gen. Chem. USSR (Engl. Transl.)*, 1978, 48, 245 (*di-Et ester*, synth, ir, pmr)

Yamashita, M. *et al*, *Synthesis*, 1987, 62 (*Di-Me ester*)

4-Methyl-5-nonanol M-1-00094*Ferrugineol. Rhynchophorol III*

[154170-44-2]

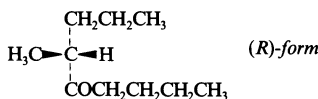
 $C_{10}H_{22}O$ M 158.2**(4S,5S)-form** [155073-31-7]

Aggregation pheromone from the male *Rhynchophorus ferrugineus* and *R. vulneratus*. Bp₂₆ 80-89°. $[\alpha]_D^{19}$ –26.5 (c, 0.88 in Et₂O). n_D^{19} 1.4383. (*4R,5R*)-enantiomer also synthesised.

[152045-16-4, 152783-91-0, 155073-30-6]

Mori, K. *et al*, *Annalen*, 1993, 1201 (synth, ir, pmr, cmr)Rochat, D. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. 2*, 1993, 316, 1737 (isol)Hallett, R.H. *et al*, *Naturwissenschaften*, 1993, 80, 328 (isol)**4-Methyl-5-nonanone M-1-00095***Ferrugineone*

[35900-26-6]

 $C_{10}H_{20}O$ M 156.2

Aggregation pheromone of the palm weevils *Rhynchophorus* spp. Abs. config. of nat. prod. was not determined.

(R)-form [67410-09-7]

Liq. Bp₁₃ 130°. $[\alpha]_D$ –17.7 (c, 2.6 in Et₂O).

(S)-form [77858-10-7]

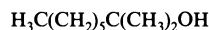
$[\alpha]_D^{25}$ +14.8 (c, 3 in Et₂O).

(±)-form

Bp 189-190°.

Kletzke, P.G., *J.O.C.*, 1964, 29, 1363 (synth)Posner, G.H. *et al*, *J.A.C.S.*, 1973, 95, 3076 (synth)Amos, R.A. *et al*, *J.O.C.*, 1977, 42, 2537 (synth, pmr)Meyers, A.I. *et al*, *J.A.C.S.*, 1981, 103, 3088 (synth)Enders, D. *et al*, *Tetrahedron*, 1984, 40, 1345 (synth, ir, pmr)Hallett, R.H. *et al*, *Naturwissenschaften*, 1993, 80, 328 (isol)**2-Methyl-2-octanol, 9CI M-1-00096**

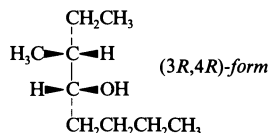
[628-44-4]

 $C_9H_{20}O$ M 144.2Liq. Bp 178°, Bp_{7.5} 55°. n_D^{20} 1.4281.

Tarasova, G.A. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1956, 1267; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1956, 1297 (synth)

Herbertz, T., *Chem. Ber.*, 1959, 92, 541 (synth)Sowinski, A.F. *et al*, *J.O.C.*, 1979, 44, 2369 (synth, ms)Novak, M. *et al*, *J. Chem. Educ.*, 1993, 70, A103 (synth, pmr, cmr)Kiehl, A. *et al*, *Annalen*, 1995, 223 (synth, pmr, cmr)**3-Methyl-4-octanol M-1-00097**

[26533-35-7]

 $C_9H_{20}O$ M 144.2**(3R,4R)-form** [151765-86-5]

Bp₂₄ 70-76°. $[\alpha]_D^{19}$ +20.3 (c, 1.05 in Et₂O). n_D^{20} 1.4334.

(3S,4S)-form [151765-88-7] *Rhynchophorol II*

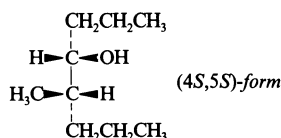
Aggregation pheromone of the male *Rhynchophorus phoenicis*. Bp₃₄ 84-92°. $[\alpha]_D^{20}$ –20.7 (c, 1.01 in Et₂O). n_D^{19} 1.4336.

(3RS,4RS)-form [151698-74-7]Bp₂₇ 80-85°. n_D^{19} 1.4344.**(3RS,4SR)-form** [151698-76-9]Bp₂₈ 74-80°. n_D^{19} 1.4348.

[98612-11-4, 98612-12-5]

Undavia, N.K. *et al*, *J. Inst. Chem. (India)*, 1974, 46, 156 (synth)Yamamoto, Y. *et al*, *J.A.C.S.*, 1985, 107, 6411 (synth)Mori, K. *et al*, *Annalen*, 1993, 865 (synth, abs config, pmr)Gries, G. *et al*, *Naturwissenschaften*, 1993, 80, 90 (isol)**5-Methyl-4-octanol, 9CI M-1-00098**

[59734-23-5]

 $C_9H_{20}O$ M 144.2**(4S,5S)-form** [154802-25-2] *Cruentol*

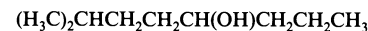
Aggregation pheromone of the palmetto weevil *Rhynchophorus cruentatus*. Liq. Bp₃₂ 82-84°. $[\alpha]_D^{19}$ –33.1 (c, 1.1 in Et₂O) (99.3% ee).

(±)-form

Liq. Bp₁ 74-76°. Prob. mixt. of stereoisomers.

Bjelouss, E., *Ber.*, 1912, 45, 625 (synth)LeBel, N.A. *et al*, *J.O.C.*, 1963, 28, 615 (synth)Pinazzi, C. *et al*, *Bull. Soc. Chim. Fr.*, 1971, 1008; 1976, 501 (synth, pmr)Perez, A.L. *et al*, *J. Chem. Ecol.*, 1994, 20, 505, 2653 (synth, pmr, cmr, ms)Mork, K. *et al*, *Annalen*, 1995, 697 (*cruentol*, ir, pmr, cmr, ms)**7-Methyl-4-octanol, 9CI M-1-00099***Isobutylpropylcarbinol*

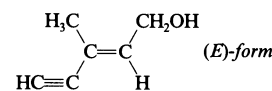
[33933-77-6]

 $C_9H_{20}O$ M 144.2**(±)-form**

Liq. Bp 184-186°, Bp₁₈ 89°. n_D^{20} 1.4260.

Thoms, H. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1925, 263, 241 (synth)Tuot, M., *C. R. Hebd. Seances Acad. Sci.*, 1936, 202, 1339 (synth)Roscher, N.M. *et al*, *Tetrahedron*, 1984, 40, 2643 (ir, pmr)**3-Methyl-2-penten-4-yn-1-ol M-1-00100**

[105-29-3]

 C_6H_8O M 96.1**(E)-form** [6153-05-5]

Liq. d 0.92. Bp 165-167°.

Formyl: [132992-60-0].

 $C_7H_8O_2$ M 124.1 Liq. Bp₅ 71°.

Ac: [35272-88-9].

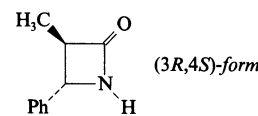
 $C_8H_{10}O_2$ M 138.1 Liq. Bp₅ 72°.**(Z)-form** [6153-06-6]

Liq. d 0.90. Bp₃₀ 89-92°. n_D^{20} 1.4930.

Formyl: [132992-59-7].

Liq. Bp₅ 62°.

Ac: [35272-87-8].

Liq. Bp₅ 65°.Cymerman, J. *et al*, *J.C.S.*, 1945, 90 (synth)Oroshnik, W., *J.A.C.S.*, 1956, 78, 2651 (synth)Mori, K. *et al*, *Tetrahedron*, 1972, 28, 3739 (synth, bibl, ir, pmr)Bader, H. *et al*, *Chem. Ber.*, 1989, 122, 1193 (synth, Ac, pmr, cmr, ir)Zacharias, M.T. *et al*, *Indian J. Chem., Sect. B*, 1991, 30, 59 (synth, Ac, ir, pmr)**3-Methyl-4-phenyl-2-azetidione M-1-00101** $C_{10}H_{11}NO$ M 161.2**(3R,4S)-form** [151214-59-4]

$[\alpha]_D^{25}$ –39.0 (c, 1.00 in CHCl₃).

(3*S*,4*S*)-form [151214-62-9]
[α]_D²⁵ –206.7 (c, 1.04 in CHCl₃).

(3*R*,4*R*)-form [16934-12-6]
(±)-cis-form
Cryst. Mp 105.6°.

(3*R*,4*SR*)-form [16934-13-7]
(±)-trans-form
Cryst. Mp 99-100°.

Moriconi, E.J. *et al*, *Tet. Lett.*, 1968, 1435

(*synth*)

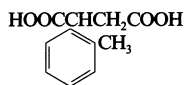
Durst, T. *et al*, *Can. J. Chem.*, 1974, **52**, 3206
(*synth*)

Yamamoto, K. *et al*, *Bull. Chem. Soc. Jpn.*,
1988, **61**, 319 (*synth*, *pmr*, *cmr*)

Davies, S.G. *et al*, *Chem. Comm.*, 1993, 1153
(*synth*)

(2-Methylphenyl)butanedioic acid, 9CI M-1-00102

o-Tolylsuccinic acid



C₁₁H₁₂O₄ M 208.2

(±)-form

Prisms (EtOH aq.); plates (H₂O). Mp 184-185° (181-182°), Mp 204-205°.

Di-Me ester: [37741-55-2].

C₁₃H₁₆O₄ M 236.2 Liq. Bp_{0.2} 140°.

Anhydride:

C₁₁H₁₀O₃ M 190.1 Waxy prisms
(Et₂O). Mp 45-46°. Bp₃ 174-176°.

Alder, K. *et al*, *Annalen*, 1949, **565**, 99 (*synth*)

Potts, K.T. *et al*, *J.C.S.*, 1955, 2466 (*synth*)

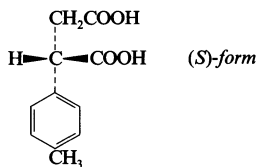
Mori, K. *et al*, *Agric. Biol. Chem.*, 1963, **27**, 27
(*synth*)

House, H.O. *et al*, *J.O.C.*, 1973, **38**, 741 (*synth*,
anhydride, *di-Me ester*)

(4-Methylphenyl)butanedioic acid, 9CI M-1-00103

p-Tolylsuccinic acid

[66483-40-7]



C₁₁H₁₂O₄ M 208.2

(*S*)-form [89359-07-9]

Mp 204-206°. [α]_D²¹ +160 (c, 1.4 in
Me₂CO).

(±)-form

Cryst. (H₂O). Mp 210°.

Di-Me ester: [36265-44-8].

C₁₃H₁₆O₄ M 236.2 Liq. Bp_{0.2} 119-121°.

Alder, K. *et al*, *Annalen*, 1949, **565**, 99 (*synth*)

Lawston, I.W. *et al*, *J.C.S. Perkin I*, 1983, 2629
(*synth*)

Taylor, E.C. *et al*, *J.O.C.*, 1984, **49**, 3840 (*di-Me ester*)

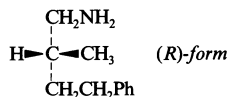
Rossi, E. *et al*, *Synthesis*, 1986, 765 (*synth*)

Marwah, A.K. *et al*, *Synth. Commun.*, 1995, **25**,
235 (*synth*, *ir*, *pmr*)

2-Methyl-4-phenyl-1-butylamine M-1-00104

β -Methylbenzenebutanamine, 9CI

[65476-99-5]



C₁₁H₁₇N M 163.2

(*R*)-form [142363-25-5]

[α]_D²⁰ +12.4 (c, 2.0 in CHCl₃) (ca. 80% ee).

(±)-form

Oil. Bp_{0.2} 105°.

Reissig, H.-U. *et al*, *Annalen*, 1990, 475; 1995,
667 (*synth*, *pmr*, *ir*)

Arnold, T. *et al*, *Angew. Chem.*, 1992, **104**, 1084
(*R*-form)

Methyl phenyl disulfide M-1-00105

[14173-25-2]

Ph—S—S—Me

C₇H₈S₂ M 156.2

Liq. Bp_{0.5} 86°. n_D^{25} 1.6135.

Armitage, D.A. *et al*, *J.C.S. Perkin I*, 1972, 680

(*synth*, *pmr*)

Capozzi, G. *et al*, *Gazz. Chim. Ital.*, 1990, **120**,
421 (*synth*, *pmr*, *ms*)

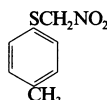
Metzner, P. *et al*, *Synthesis*, 1994, 761 (*synth*,
pmr, *cmr*, *ms*)

4-Methylphenyl nitromethyl sulfide M-1-00106

1-Methyl-4-(nitromethylthio)benzene, 9CI.

Nitromethyl *p*-tolyl sulfide

[150640-22-5]



C₈H₉NO₂S M 183.2

No phys. props. reported.

S,S-Dioxide: [51351-89-4]. 4-Methylphenyl

nitromethyl sulfone. 1-Methyl-4-
[(nitromethyl)sulfonyl]benzene, 9CI.

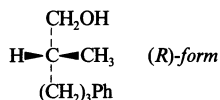
Nitromethyl *p*-tolyl sulfone

C₈H₉NO₄S M 215.2 Mp 115-116.5°.

Langler, R.F. *et al*, *Aust. J. Chem.*, 1994, **47**,
1641.

2-Methyl-5-phenyl-1-pentanol M-1-00107

β -Methylbenzenepentanol, 9CI



C₁₂H₁₈O M 178.2

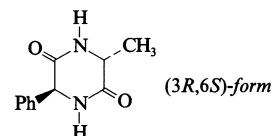
(*R*)-form [156767-44-1]

Oil. [α]_D²⁵ +11.2 (c, 6.6 in EtOH).

Santini, C. *et al*, *J.O.C.*, 1994, **59**, 2261 (*synth*,
pmr, *cmr*, *ir*, *ms*)

3-Methyl-6-phenyl-2,5-piperazinedione, 9CI M-1-00108

Cyclo(alanylphenylglycine)



C₁₁H₁₂N₂O₂ M 204.2

Anticonvulsant.

(3*R*,6*S*)-form [35590-99-9]

Cryst.

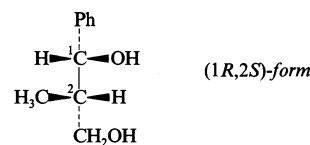
[35590-98-8]

Westley, J.W. *et al*, *Anal. Chem.*, 1968, **40**, 1888
(*synth*, *pmr*)

Slater, G.P. *et al*, *J. Chromatogr.*, 1972, **64**, 166
(*glc*)

Szkaradzinska, M.B. *et al*, *Acta Cryst. C*, 1994,
50, 565 (*cryst struct*)

2-Methyl-1-phenyl-1,3-propanediol, 9CI M-1-00109



C₁₀H₁₄O₂ M 166.2

(1*R*,2*S*)-form

(+)-erythro-form

Cryst. (Et₂O/hexane). Mp 75-76°. [α]_D²⁰
+57.8 (c, 0.45 in CHCl₃).

(1*S*,2*R*)-form [127379-92-4]

(-)-erythro-form

Flakes. Mp 74-75°. [α]_D²² –62.5 (c, 0.48 in
CHCl₃).

(1*R*,2*RS*)-form [7087-77-6]

(±)-erythro-form

Liq.

(1*R*,2*SR*)-form [14366-91-7]

(±)-threo-form

Liq.

Bis(*p*-nitrobenzoyl): Pale yellow prisms
(C₆H₆). Mp 156-157°.

[51451-31-1, 51451-32-2, 139068-60-3]

Koga, K. *et al*, *Chem. Pharm. Bull.*, 1972, **20**,
526 (*synth*, *pmr*)

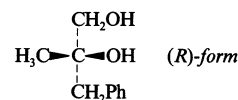
Balsano, A. *et al*, *J.O.C.*, 1975, **40**, 473 (*synth*)

Oppolzer, W. *et al*, *J.A.C.S.*, 1990, **112**, 2767
(*synth*)

Banks, M.R. *et al*, *Chem. Comm.*, 1993, 1146
(*synth*)

2-Methyl-3-phenyl-1,2-propanediol, 9CI M-1-00110

[90926-14-0]



C₁₀H₁₄O₂ M 166.2

(*R*)-form [96948-92-4]

Cryst. (pentane/Et₂O). Mp 66.5-67.5°.

[α]_D²⁰ +17.3 (c, 1.1 in EtOH aq.) (ca. 95%
ee).

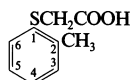
(±)-form [96998-28-6]

Needles (Et₂O/cyclohexane). Sol. H₂O.
Mp 55-56°.

- Davies, A.G. *et al*, *J.C.S.*, 1957, 3154 (*synth, resoln*)
Frye, S.V. *et al*, *J.O.C.*, 1985, 50, 3402 (*asymm synth, pmr, cmr*)
Tamura, Y. *et al*, *Chem. Pharm. Bull.*, 1987, 35, 4736 (*asymm synth*)
Bach, T., *Annalen*, 1995, 1045 (*synth, ir, pmr, cmr, ms*)

[(2-Methylphenyl)thio]acetic acid, 9CI M-1-00111

(*o*-Tolylthio)acetic acid, 8CI. *o*-Tolylthioglycolic acid
[18619-15-3]



C₉H₁₀O₂S M 182.2
Cryst. (H₂O). Mp 108-109°.

S-Oxide, (R)-: [125982-97-0]. [(2-Methylphenyl)sulfinyl]acetic acid, 9CI
C₉H₁₀O₃S M 198.2 Mp 85-88°. [α]_D +93.0 (CH₂Cl₂).

- Behagel, O. *et al*, *J. Prakt. Chem.*, 1926, 114, 287 (*synth*)
Oksengendler, G.M. *et al*, *Zh. Obshch. Khim.*, 1957, 27, 3214; *J. Gen. Chem. USSR (Engl. Transl.)*, 1957, 27, 3251 (*synth*)
Drabowicz, J. *et al*, *Croat. Chem. Acta*, 1989, 62, 423 (*S*-oxide)
Yildirim, Y. *et al*, *Org. Prep. Proced. Int.*, 1995, 27, 381 (*synth, pmr*)

[(3-Methylphenyl)thio]acetic acid, 9CI M-1-00112

(*m*-Tolylthio)acetic acid, 8CI. *m*-Tolylthioglycolic acid
[3996-30-3]

C₉H₁₀O₂S M 182.2
Needles (C₆H₆/petrol). Mp 67.5-68.0°, Mp 104°. pK_a 3.60 (25°, H₂O).

Et ester: [14738-26-2].

C₁₁H₁₄O₂S M 210.2 Bp₁ 120°.

Nitrile: [16798-95-1]. (*m*-Tolylthio)acetoneitrile, 8CI

C₉H₉NS M 163.2 Bp₁ 119°.

S-Oxide, (R)-: [125982-96-9]. [(3-Methylphenyl)sulfinyl]acetic acid, 9CI
C₉H₁₀O₃S M 198.2 Mp 86-90°. [α]_D +35.0 (CH₂Cl₂).

S,S-Dioxide: (*m*-Tolylsulfonyl)acetic acid
C₉H₁₀O₄S M 214.2 Mp 85-85.5°.

Behagel, O. *et al*, *J. Prakt. Chem.*, 1926, 114, 287 (*synth*)

Tarbell, D.S. *et al*, *J.A.C.S.*, 1946, 68, 1456 (*synth*)

Oksengendler, G.M. *et al*, *Zh. Obshch. Khim.*, 1957, 27, 3214; *J. Gen. Chem. USSR (Engl. Transl.)*, 1957, 27, 3251 (*synth*)

Ishida, S. *et al*, *Agric. Biol. Chem.*, 1967, 31, 651 (*nitrile, Et ester*)

Drabowicz, J. *et al*, *Croat. Chem. Acta*, 1989, 62, 423 (*S*-oxide)

Cabiddu, S. *et al*, *Tetrahedron*, 1990, 46, 861 (*synth*)

[(4-Methylphenyl)thio]acetic acid, 9CI M-1-00113

(*p*-Tolylthio)acetic acid, 8CI. *p*-Tolylthioglycolic acid
[3996-29-0]

C₉H₁₀O₂S M 182.2

Cryst. (hexane/toluene). Mp 95-97° (88-90°). pK_a 3.96 (25°, H₂O).

Et ester: [14738-27-3].

C₁₁H₁₄O₂S M 210.2 Pale yellow liq. Bp₁₄ 157°.

Nitrile: [21681-88-9].

C₉H₉NS M 163.2 Bp₃ 168-170°.

Nitrile, S,S-dioxide: [5697-44-9]. *p*-Toluenesulfonylacetoneitrile. *p*-Tosylacetoneitrile

C₉H₉NO₂S M 195.2 Cryst. (MeOH or C₆H₆). Mp 149-150°.

S-Oxide (R-): [88981-65-1]. [(4-Methylphenyl)sulfinyl]acetic acid, 9CI

C₉H₁₀O₃S M 198.2 Cryst. (EtOAc/hexane). Mp 105-106°. [α]_D²⁵ +192.4 (c, 11.8 in Me₂CO).

S,S-Dioxide: [3937-96-0]. [(4-Methylphenyl)sulfonyl]acetic acid, 9CI. (*p*-Tolylsulfonyl)acetic acid, 8CI

C₉H₁₀O₄S M 214.2 Cryst. (CH₂Cl₂). Mp 114-115°.

Behagel, O. *et al*, *J. Prakt. Chem.*, 1926, 114, 287 (*synth*)

Müller, E. *et al*, *J. Prakt. Chem.*, 1936, 146, 56 (*synth, Et ester*)

Oksengendler, G.M. *et al*, *Zh. Obshch. Khim.*, 1957, 27, 3214; *J. Gen. Chem. USSR (Engl. Transl.)*, 3251 (*synth*)

Meek, J.S. *et al*, *J.O.C.*, 1968, 33, 3418 (*tosylacetoneitrile*)

Magnus, P. *et al*, *J.A.C.S.*, 1984, 106, 2105 (*S*-oxide)

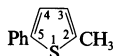
Sepiol, J.J. *et al*, *J.O.C.*, 1984, 49, 1125 (*tosylacetoneitrile*)

Gupton, J.T. *et al*, *J.O.C.*, 1991, 56, 976 (*S,S*-dioxide)

Yildirim, Y. *et al*, *Org. Prep. Proced. Int.*, 1995, 27, 381 (*synth, pmr*)

2-Methyl-5-phenylthiophene, 9CI M-1-00114

[5069-26-1]



C₁₁H₁₀S M 174.2
Mp 49-51°.

Voronkov, M.G. *et al*, *Zh. Obshch. Khim.*, 1950, 20, 1218; *J. Gen. Chem. USSR (Engl. Transl.)*, 1950, 20, 1263 (*synth*)

Duus, F., *Tetrahedron*, 1976, 32, 2817 (*synth*)
Shridasar, D.R. *et al*, *Synthesis*, 1982, 1061 (*synth, pmr*)

Kharchenko, V.G. *et al*, *Khim. Geterotsikl. Soedin.*, 1984, 1606; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1984, 1321 (*synth, pmr*)

Freeman, F. *et al*, *J.O.C.*, 1992, 57, 1722 (*synth, pmr, cmr*)

3-Methyl-2-phenylthiophene, 9CI M-1-00115

[14300-30-2]

C₁₁H₁₀S M 174.2

Oil. Bp 257-258.7°, Bp₁₆ 135°. n_D²⁰ 1.6209.

- Voronkov, M.G. *et al*, *Zh. Obshch. Khim.*, 1950, 20, 1218; *J. Gen. Chem. USSR (Engl. Transl.)*, 1950, 20, 1263 (*synth*)
Cagniant, P. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1975, 281, 35 (*synth*)
Kang, K.-T. *et al*, *Synth. Commun.*, 1995, 25, 2647 (*synth, pmr, cmr, ms*)

4-Methyl-2-phenylthiophene, 9CI M-1-00116

[14300-29-9]

C₁₁H₁₀S M 174.2

Oil. Mp 17°. Bp₇₇₃ 280°, Bp₅ 115-120°.

Voronkov, M.G. *et al*, *Zh. Obshch. Khim.*, 1950, 20, 1218; *J. Gen. Chem. USSR (Engl. Transl.)*, 1950, 20, 1263 (*synth*)

Tilak, B.D. *et al*, *Indian J. Chem.*, 1969, 7, 9 (*synth, ir, uv*)

Campaigne, E. *et al*, *J. Het. Chem.*, 1988, 25, 367 (*synth, ir, pmr*)

***P,P'*-[(Methylphosphinidene) di-2,1-ethanediy]bis[*N,N,N',N'*-tetramethylphosphonous diamide]** M-1-00117

[63578-31-4]

MeP[CH₂CH₂P(NMe₂)₂]₂

C₁₃H₃₅N₄P₃ M 340.3

Ligand. Liq. Bp_{0.005} 130-133°.

King, R.B. *et al*, *J.A.C.S.*, 1977, 99, 4001 (*synth, pmr, cmr, P-31 nmr*)

[(Methylphosphinylidene) dimethylene]diphosphonic acid, 8CI M-1-00118

[(Methylphosphinylidene)bis(methylene)]bisphosphonic acid

MeP(O)[CH₂P(O)(OH)]₂

C₃H₁₁O₇P₃ M 252.0

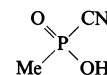
Tri-p-toluidine salt: Solid. Mp 181-183°.

Tetra-Et ester: [18788-45-9]. *Tetraethyl* [(methylphosphinylidene)dimethylene]diphosphonate. *Tetraethyl* [(methylphosphinylidene)bis(methylene)]bisphosphonate

C₁₁H₂₇O₇P₃ M 364.2 Solid. Mp 99-101° (107°).

Medved', T.Ya., *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1968, 2062; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1968, 1959.

Maier, L. *et al*, *Helv. Chim. Acta*, 1969, 52, 845 (*ester, synth, pmr, P-31 nmr*)

Methylphosphonocyanidic acid M-1-00119

C₂H₄NO₂P M 105.0

Me ester: [101153-04-2]. *Methyl*

methylphosphonocyanidate C₃H₆NO₂P M 119.0 Liq. d₄²⁰ 1.16. Bp₁₃ 89-92°. n_D²⁰ 1.4224.

Et ester: [117889-37-9]. *Ethyl* *methylphosphonocyanidate*

C₄H₈NO₂P M 133.0 Liq. d₄²⁰ 1.11. Bp₁ 60-62°. n_D²⁰ 1.4217.

Isopropyl ester: Isopropyl methylphosphonocyanidate

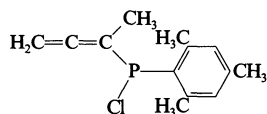
$C_5H_{10}NO_3P$ M 147.1 Liq. d_4^{20} 1.06. Bp_{5-6} 83-84°. n_D^{20} 1.4216.

Petrov, K.A. et al, Zh. Obshch. Khim., 1959, 29, 1827 (synth)

Krolevets, A.A. et al, Izv. Akad. Nauk SSSR, Ser. Khim., 1992, 187; Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.), 1992, 153.

(1-Methylpropadienyl)(2,4,6-trimethylphenyl)phosphinous chloride M-1-00120

Mesityl(1-methylallenyl)phosphinous chloride [137787-52-1]



$C_{13}H_{16}ClP$ M 238.6

Air-sensitive, yellow oil. $Bp_{0.1}$ 170° (oven).

Nief, F. et al, Tetrahedron, 1991, 47, 6673 (synth, pmr, cmr, P-31 nmr)

2-Methyl-2-propenethioic acid, 9CI M-1-00121

2-Methylthioacrylic acid, 8CI. Thiomethacrylic acid



C_4H_6OS M 102.1

S-Me ester: [52496-39-6].

C_5H_8OS M 116.1 Yellow oil. Bp_{36} 58°.

S-Et ester: [54667-15-1].

$C_6H_{10}OS$ M 130.2 Yellow liq. Bp_{42} 75°, Bp_{13} 50-51°.

S-Ph ester: [54667-28-6].

$C_{10}H_{10}OS$ M 178.2 Liq. Bp_3 103-104°.

Braude, G., J.O.C., 1957, 22, 1675 (synth, esters)

Sumrell, G. et al, J.A.C.S., 1958, 80, 2509 (synth, esters)

Wladislaw, B. et al, Synth. Commun., 1990, 20, 2937 (ir, pmr, Me ester)

Cerf, M. et al, Sulfur Lett., 1992, 15, 147 (synth, ester)

1-Methyl-3-(2-propenyl)benzene, 9CI M-1-00122

m-Allyltoluene, 8CI. 3-(3-Methylphenyl)propene. 3-m-Tolylpropene. 1-Allyl-3-methylbenzene

[3333-20-8]

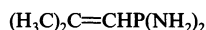
$C_{10}H_{12}$ M 132.2

Liq. $Bp_{0.05}$ 24-27°.

Breen, P.J. et al, J. Phys. Chem., 1989, 93, 6731 (synth, pmr, cmr)

P-(2-Methyl-1-propenyl)phosphonous diamide M-1-00123

Isobutenylphosphonous diamide



$C_4H_{11}N_2P$ M 118.1

N,N,N',N'-Tetra-Me: [72256-59-8].

N,N,N',N'-Tetramethyl-P-(2-methyl-1-propenyl)phosphonous diamide

$C_9H_{19}N_2P$ M 174.2 Liq. Bp_{10} 77-79.5°.

N,N,N',N'-Tetra-Et: [103794-52-1].

N,N,N',N'-Tetraethyl-P-(2-methyl-1-propenyl)phosphonous diamide

$C_{12}H_{27}N_2P$ M 230.3 Liq. d_4^{20} 0.91. $Bp_{0.045}$ 62°. n_D^{20} 1.4886.

Baban, J.A. et al, J.C.S. Perkin 2, 1979, 781 (tetramethyl)

Pudonik, A.N. et al, Zh. Obshch. Khim., 1985, 55, 1479; J. Gen. Chem. USSR (Engl. Transl.), 1985, 55, 1316 (tetraethyl)

(2-Methylpropoxy)ethylene M-1-00124

Isobutyl vinyl ether. Ethenyl 2-methylpropyl ether

[109-53-5]



$C_6H_{12}O$ M 100.1

d 0.77. Bp 82-84°. n_D^{20} 1.3970.

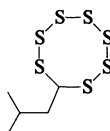
Schildknecht, C.F. et al, Ind. Eng. Chem., 1947, 39, 182.

Rowlands, D.C. et al, J.O.C., 1952, 17, 807.

(2-Methylpropyl)heptathioicane M-1-00125

Isobutylheptathioicane

[151261-59-5]



$C_5H_{10}S_7$ M 294.5

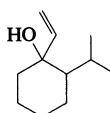
Prod. by Thermococcus acidaminovorans and T. tadjuricus. Pale yellow oil.

Ritzau, M. et al, Annalen, 1993, 871.

2-(1-Methylpropyl)-1-vinylcyclohexanol M-1-00126

1-Ethenyl-2-(1-methylpropyl)cyclohexanol

[37172-03-5]



$C_{12}H_{22}O$ M 182.3

Ac: [37172-02-4]. Dihydro ambrate

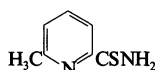
$C_{14}H_{24}O_2$ M 224.3 Perfumery ingredient, fixative. Liq. with woody amber odour. d 0.95.

Ger. Pat., 2 155 671, (1972); CA, 77, 61367m.

6-Methyl-2-pyridinocarbothioamide, 9CI M-1-00127

6-Methylthioacolinamide, 8CI

[5933-30-2]



$C_7H_8N_2S$ M 152.2

Used as 1 mM soln. in pentanol for extraction - photometric detn. of Cu(I) (λ_{max} 495 nm, in the presence of ascorbic acid). Cryst. pK_a 9.1 (H_2SO_4 aq. at 25°).

Walter, W. et al, Annalen, 1970, 733, 170 (synth, struct, ir)

Tissier, C. et al, Bull. Soc. Chim. Fr., 1970, 3752; 1972, 2109 (props)

Wawschinek, O. et al, J. Clin. Chem. Clin. Biochem., 1981, 19, 541; CA, 95, 128674b (detn, Cu)

Seko, N. et al, Chem. Pharm. Bull., 1991, 39, 651 (synth)

2-Methyl-4-pyrimidincarboxylic acid M-1-00128

[13627-49-1]



$C_6H_6N_2O_2$ M 138.1

Cryst. (H_2O). Mp 203-206° dec.

Me ester: [73955-55-2].

$C_7H_8N_2O_2$ M 152.1 Mp 54-56°.

Nitrile: [64571-34-2]. 4-Cyano-2-methylpyrimidine

$C_6H_5N_3$ M 119.1 Mp 29-30.5°. Bp_{15} 92-93°.

Reiner, R. et al, Helv. Chim. Acta, 1967, 50, 128 (synth, uv, pmr, ir)

Yamanaka, H. et al, Chem. Pharm. Bull., 1977, 25, 1821 (nitrile)

4-Methylpyrylium(1+) M-1-00129



$C_6H_7O^+$ M 95.1 (ion)

Tetrafluoroborate: [162087-56-1].

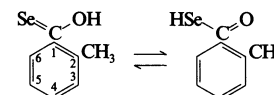
$C_6H_7BF_4O$ M 181.9 Pale tan solid. Mp 111-114°. Rapidly darkens in air.

Taylor, R.J.K. et al, J.C.S. Perkin 1, 1995, 2385 (synth, pmr, cmr)

2-Methylselenobenzoic acid M-1-00130

2-Methylbenzenecarboxoselenoic acid, 9CI

[105223-25-4]



C_8H_8OSe M 199.1

Unstable oil. Dec. in air to diselenide.

OH-form

Amide: [93756-97-9].

C_9H_9NSe M 198.1 Yellow solid. Mp 104-106°.

SeH-form

Na salt: [135249-92-2].

Cryst. Mp 130-135° dec. Oxid. on standing in air.

Et ester: [135250-01-0].

$C_{10}H_{12}OSe$ M 227.1 Liq. $Bp_{0.2}$ 70°.

Sonoda, N. et al, J.O.C., 1985, 50, 384 (amide)

Kato, S. et al, J. Prakt. Chem., 1990, 332, 898 (ester)

Kato, S. et al, J.A.C.S., 1994, 116, 2195 (synth, tautom)

3-Methylselenobenzoic acid M-1-00131
3-Methylbenzenecarboselenoic acid
C₈H₈OSe M 199.1

OH-form

Amide: [68090-01-7].

C₈H₉NSe M 198.1 Yellow solid. Mp 84-85° (74°).Cohen, V.I., *Synthesis*, 1978, 668 (*synth*)Fan, W.-Q. *et al*, *Synth. Commun.*, 1994, **24**, 1761 (*synth, ir, pmr*)

4-Methylselenobenzoic acid M-1-00132
4-Methylbenzenecarboselenoic acid, 9CI
[105223-27-6]

C₈H₈OSe M 199.1

Unstable oil. Dec. in air to diselenide.

OH-form

Amide: [67213-27-8].

C₈H₉NSe M 198.1 Golden needles (EtOH). Mp 165-167° (161°), Mp 186°.**SeH-form**

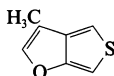
Na salt: [128816-64-8].

Cryst. Mp 135-145° dec. Oxid. on standing in air.

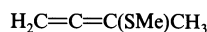
Et ester: [135250-02-1].

C₁₀H₁₂OSe M 227.1 Liq. Bp_{0.2} 66°.Becker, W. *et al*, *Ber.*, 1904, **37**, 2550 (*amide*)Cohen, V.I., *Synthesis*, 1978, 668 (*amide*)Kato, S. *et al*, *J. Prakt. Chem.*, 1990, **332**, 898 (*ester*)Reid, D.H. *et al*, *Synthesis*, 1993, 870 (*amide*)Kato, S. *et al*, *J.A.C.S.*, 1994, **116**, 2195 (*synth, tautom*)Fan, W.-Q. *et al*, *Synth. Commun.*, 1994, **24**, 1761 (*amide*)

3-Methylthieno[3,4-*b*]furan M-1-00133

C₇H₆OS M 138.1Bp_{0.1} 100°. Not obt. completely pure.Buttery, J.H. *et al*, *Aust. J. Chem.*, 1995, **48**, 593 (*synth, pmr, cmr, ms*)

3-(Methylthio)-1,2-butadiene M-1-00134
[14044-71-4]

C₅H₈S M 100.1Bp₇₀ 60°.Narasaka, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1992, **65**, 1392 (*synth, ir, ms, pmr, cmr*)

1-Methyl-4-(trifluoromethyl) benzene, 9CI M-1-00135

α,α,α-Trifluoro-*p*-xylene, 8CI. 4-Methylbenzotrifluoride

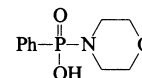
[6140-17-6]

C₈H₇F₃ M 160.1Liq. d 1.14. Bp 129°. n_D²⁰ 1.4260.Brownlee, R.T.C. *et al*, *Aust. J. Chem.*, 1980, **33**, 2555 (*F-19 nmr*)Bromilow, J. *et al*, *J.O.C.*, 1980, **45**, 2429 (*cmr*)McNeil, J.G. *et al*, *J. Fluorine Chem.*, 1991, **55**, 225 (*synth*)

Methyl(trifluoromethyl) phosphinous acid M-1-00136

C₂H₄F₃OP M 132.0*Me ester*: [26348-84-5]. *Methyl**methyl(trifluoromethyl)phosphinite*C₃H₆F₃OP M 146.0 Liq. Bp 60.6°.*tert-Butyl ester*: [26348-85-6]. *tert-Butyl**methyl(trifluoromethyl)phosphinite*C₆H₁₂F₃OP M 188.1 Liq. Bp 113°.Burg, A.B. *et al*, *J.A.C.S.*, 1970, **92**, 1901 (*synth, ir, pmr, F-19 nmr, P-31 nmr*)

(4-Morpholinyl) phenylphosphinic acid, 9CI M-1-00137

Morpholinophenylphosphinic acid, 8CIC₁₀H₁₄NO₃P M 227.1*Morpholine salt*: [31563-05-0].

Solid. Mp 149-152°.

Me ester: [38938-33-9]. *Methyl (4-**morpholinyl)phenylphosphinate*C₁₁H₁₆NO₃P M 241.2 Cryst.(hexane/CCl₄). Mp 73.5-74.5°. Bp_{0.03} 155° (oven).*Ph ester*: [57668-14-1]. *Phenyl (4-morpholinyl)**phenylphosphinate. Phenyl**phenylphosphonomorpholidate*C₁₆H₁₈NO₃P M 303.2 Cryst. (EtOH).

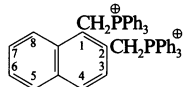
Mp 134-135°.

Chloride: [77144-04-8].C₁₀H₁₃ClNO₂P M 245.6 Cryst. Mp 89-95°.Gallagher, M.J. *et al*, *J.C.S.(C)*, 1971, 593 (*salt, synth, ir, props*)Kamai, G.Kh. *et al*, *Zh. Obshch. Khim.*, 1972, **42**, 1295; *J. Gen. Chem. USSR (Engl. Transl.)*, 1972, **42**, 1290 (*synth, ir*)Williams, A. *et al*, *J.C.S. Perkin 2*, 1975, 1010*(Ph ester, synth, uv)*Felcht, U. *et al*, *Annalen*, 1977, 1309 (*synth, ir, pmr*)

N

[1,2-Naphthalenediylbis (methylene)]

N-1-00001
bis(triphenylphosphonium)(2+)
1,2-Bis(triphenylphosphonomethyl)naphthalene



$C_{48}H_{40}P_2^{2+}$ M 678.7 (ion)

Dibromide: [85982-10-1].

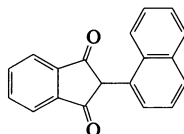
$C_{48}H_{40}Br_2P_2$ M 838.5 Cryst.
 (MeOH/Et₂O). Mp 264°, Mp > 300°.

Meissner, U.E. *et al*, *Annalen*, 1983, 687 (*synth, ylide*)

Minsky, A., *Synthesis*, 1983, 497 (*synth, use*)

2-(1-Naphthalenyl)-1H-indene-1,3(2H)-dione, 9CI

N-1-00002
2-(1-Naphthyl)-1,3-indanedione. Naphthylin
 [1786-03-4]



$C_{19}H_{12}O_2$ M 272.3

Anticoagulant. Yellow needles (EtOH). Mp 217-218° (210-211°).

► LD₅₀ (mus, orl) 900 mg/kg. LD₅₀ (mus, ipr) 350 mg/kg. NK 6030000.

Dioxime:

$C_{19}H_{14}N_2O_2$ M 302.3 Cryst. Mp 216° dec.

Eckstein, M. *et al*, *CA*, 1959, 53, 6175 (*synth*)

Shapiro, S.L. *et al*, *J.O.C.*, 1960, 25, 1860; 1961, 26, 3580 (*synth, props*)

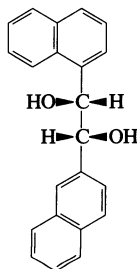
Perjessy, A. *et al*, *Tetrahedron*, 1971, 27, 6159 (*ir*)

Fanelli, O., *Arzneim.-Forsch.*, 1975, 25, 873 (*pharmacol*)

Csoregh, I. *et al*, *Acta Cryst. B*, 1979, 35, 852 (*cryst struct*)

Murthy, A.R. *et al*, *J. Med. Chem.*, 1985, 28, 1591 (*synth, props*)

1-(1-Naphthalenyl)-2-(2-naphthalenyl)-1,2-ethanediol, 9CI



$C_{22}H_{18}O_2$ M 314.3

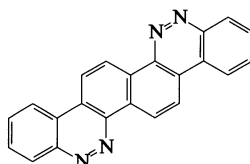
(*1R,2R*)-*form* [159333-30-9]

Cryst. Mp 230°. [α]_D²³ +130 (c, 1.03 in THF).

Rosini, C. *et al*, *J.O.C.*, 1994, 59, 7395 (*synth, pmr*)

Naphtho[1,2-c:5,6-c'] dicinnoline

N-1-00004
 [157722-29-7]



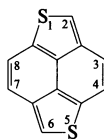
$C_{22}H_{12}N_4$ M 332.3

Greenish-yellow solid. Mp > 360°. Subl. > 300°.

Shepherd, M.K., *J.C.S. Perkin I*, 1994, 1055.

Naphtho[1,8-bc:5,4-b',c'] dithiophene, 9CI

N-1-00005
 [41879-79-2]



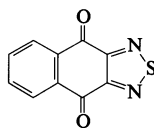
$C_{12}H_6S_2$ M 214.3

Yellow cryst. Mp 93° dec. Air sensitive in soln. and slowly dec. in solid state.

Takimiya, K. *et al*, *Chem. Comm.*, 1994, 1859 (*synth, pmr, cmr, uv*)

Naphtho[2,3-c][1,2,5] thiadiazole-4,9-dione, 9CI

N-1-00006
 [1455-26-1]



$C_{10}H_4N_2O_2S$ M 216.2

Yellow solid. Mp 245-246°.

Dioxime:

$C_{10}H_6N_4O_2S$ M 246.2 Yellow needles (dioxan). Mp 270°. Subl. > 160°.

Mono-hydrazone:

$C_{10}H_6N_4OS$ M 230.2 Brown needles (EtOH aq.). Mp 210° dec. Subl. > 170°.

Mono-4-methylbenzenesulfonylhydrazone:

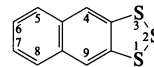
Yellowish needles. Mp 229°.

Neeff, R. *et al*, *Chem. Ber.*, 1957, 90, 1137 (*synth*)

Neidlein, R. *et al*, *Chem. Ber.*, 1982, 115, 2898 (*deriv, synth, ir, uv, pmr, ms*)

Shi, S. *et al*, *J.O.C.*, 1995, 60, 1285 (*synth, pmr, cmr, ir, ms*)

Naphtho[2,3-d]-1,2,3-trithiole, N-1-00007 9CI



$C_{10}H_6S_3$ M 222.3

1-Oxide: [146954-01-0].

$C_{10}H_6OS_3$ M 238.3 Yellow cryst. (CHCl₃/hexane). Mp 132° dec.

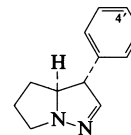
2-Oxide: [146953-92-6].

$C_{10}H_6OS_3$ M 238.3 Yellow plates (CHCl₃/hexane). Mp 192° dec.

Yomiji, N. *et al*, *J.C.S. Perkin I*, 1993, 1995 (*oxide, synth, ir, uv, pmr, cmr, ms*)

Newbouldine†

N-1-00008
3a,4,5,6-Tetrahydro-3-phenyl-3H-pyrrolo[1,2-b]pyrazole



$C_{12}H_{14}N_2$ M 186.2

(±)-*form* [155416-35-6]

Alkaloid from the root bark of *Newbouldia laevis* (Bignoniaceae). Oil.

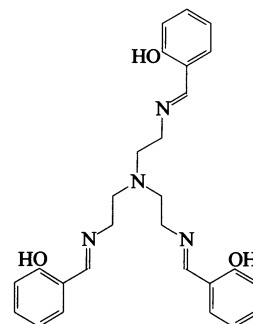
4'-Hydroxy: [155416-36-7]. *4'-Hydroxynewbouldine*

$C_{12}H_{14}N_2O$ M 202.2 Alkaloid from root bark of *N. laevis* (Bignoniaceae). Cryst. (Me₂CO). Mp 155-156°.

Adesanya, S.A. *et al*, *Phytochemistry*, 1994, 35, 1053 (*isol, uv, ir, pmr, cmr, ms, struct*)

2,2',2''-Nitrilotris(ethane-2,1-diyl)nitrilomethylidyne

N-1-00009
trisphenol
Saltren. Trensal



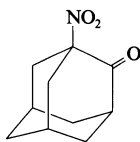
$C_{27}H_{30}N_4O_3$ M 458.5

Obt. by condensation of Tris(2-aminoethyl) amine, T-0-06576 with 2-Hydroxybenzaldehyde, H-0-01667. Trianionic ligand.

Gündüz, N. *et al*, *J.C.S. Perkin 2*, 1985, 899 (*synth*)

1-Nitro-2-adamantanone N-1-00010

1-Nitrotricyclo[3.3.1.1^{3,7}]decanone, 9CI
[162710-73-8]



C₁₀H₁₃NO₃ M 195.2
Cryst. solid (CH₂Cl₂/hexane). Mp 170-171°.
Dave, P.R. *et al*, *J.O.C.*, 1995, **60**, 1895 (*synth*,
ir, *pmr*, *cmr*)

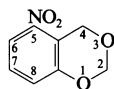
4-Nitro-1,2-benzenedicarboxaldehyde N-1-00011

4-Nitrophthalaldehyde, 8CI
[13209-35-3]

C₈H₅NO₄ M 179.1
Needles. Mp 73°. Bp_{0.5} 145-150°.
Kerfanto, M. *et al*, *Bull. Soc. Chim. Fr.*, 1966,
2966 (*synth*)
Farooq, O., *Synthesis*, 1994, 1035 (*synth*, *pmr*)

5-Nitro-4H-1,3-benzodioxin, 9CI N-1-00012

[50603-42-4]



C₉H₇NO₄ M 181.1
Cryst. (EtOH). Mp 75°.
Buehler, C.A. *et al*, *J.O.C.*, 1941, **6**, 216 (*synth*)
Ando, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, **46**,
2903 (*synth*)
Bowie, J.H. *et al*, *J.C.S. Perkin 2*, 1975, 724
(*ms*)

7-Nitro-4H-1,3-benzodioxin N-1-00013

[50603-43-5]

C₉H₇NO₄ M 181.1
Long glistening needles (H₂O). Mp 90.5°.
Buehler, C.A. *et al*, *J.O.C.*, 1941, **6**, 216 (*synth*)
Ando, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, **46**,
2903 (*synth*)
Bowie, J.H. *et al*, *J.C.S. Perkin 2*, 1975, 724
(*ms*)

8-Nitro-4H-1,3-benzodioxin N-1-00014

[57356-29-3]

C₉H₇NO₄ M 181.1
Pale yellow needles (EtOH). Mp 115-116°.
Bowie, J.H. *et al*, *J.C.S. Perkin 2*, 1975, 724
(*synth*, *ms*)

1-Nitro-1,3,5-cycloheptatriene, 9CI N-1-00015

[156545-33-4]



C₇H₇NO₂ M 137.1
Bright yellow oil with odour similar to
nitrobenzene. Mp 3-5°.

► Can dec. explosively if stored at r.t.

Burnett, I.J. *et al*, *Chem. Comm.*, 1994, 1187
(*synth*, *pmr*, *cmr*)

2-Nitro-1,3-diphenyl-1-propene N-1-00016

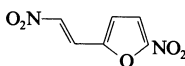
1,1'-(2-Nitro-1-propene-1,3-diyl)bisbenzene,
9CI
[58497-32-8]



C₁₅H₁₃NO₂ M 239.2
Pale yellow cryst. Mp 55-56° (52°).
Yamamura, K. *et al*, *Bull. Chem. Soc. Jpn.*,
1975, **48**, 3757 (*synth*, *ir*, *pmr*)
Kochany, J. *et al*, *Bull. Acad. Pol. Sci., Ser. Sci.*
Chim., 1976, **24**, 929 (*synth*, *ir*, *pmr*)

Nitrofurilen N-1-00017

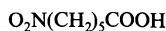
2-Nitro-5-(2-nitroethenyl)furan, 9CI. 2-Nitro-
5-(2-nitrovinyl)furan, 8CI. 1-Nitro-2-(5-nitro-2-
furanylethylene
[830-07-9]



C₆H₄N₂O₅ M 184.1
Shows fungicidal and herbicidal activity.
(*E*)-form [32782-46-0]
Cryst. (EtOH). Mp 137-138°.
Clitheroe, A. *et al*, *J. Pharm. Pharmacol.*, 1965,
17, 167 (*activity*)
Kovac, J. *et al*, *Coll. Czech. Chem. Comm.*,
1977, **42**, 1880 (*synth*)
Kada, R. *et al*, *Coll. Czech. Chem. Comm.*,
1984, **49**, 2496 (*synth*, *bibl*, *pmr*, *w*)

6-Nitrohexanoic acid, 9CI N-1-00018

[10269-96-2]

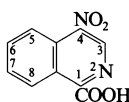


C₆H₁₁NO₄ M 161.1
Pale straw-coloured liq. d 1.19. Mp 21-22°.
Bp_{0.3} 136°. n_D²⁰ 1.4590.
Me ester: [13154-40-0].
C₇H₁₃NO₄ M 175.1 Liq. Bp₁ 196°.
Amide: [22543-31-3].
C₆H₁₂N₂O₃ M 160.1 Cryst. (dioxan).
Mp 112°.
[13395-05-6]

Matlock, A.S. *et al*, *J.O.C.*, 1967, **32**, 1995
(*synth*, *ir*, *pmr*)
Bischoff, C. *et al*, *J. Prakt. Chem.*, 1972, **314**,
891 (*amide*)
Ballini, R. *et al*, *Synth. Commun.*, 1986, **16**,
1781 (*synth*, *ir*, *pmr*)

4-Nitro-1-isoquinolinecarboxylic acid, 9CI N-1-00019

[146762-60-9]



C₁₀H₆N₂O₄ M 218.1
Cryst. (C₆H₆/hexane). Mp 250-252°.
Nitrile: [146762-59-6]. 1-Cyano-4-
nitroisoquinoline

C₁₀H₆N₂O₂ M 199.1 Cryst.
(hexane/C₆H₆). Mp 138-140°.

Sugiura, M. *et al*, *Chem. Pharm. Bull.*, 1992, **40**,
2262 (*synth*, *ir*, *pmr*)

5-Nitro-1-isoquinolinecarboxylic acid, 9CI N-1-00020

[75795-40-3]

C₁₀H₆N₂O₄ M 218.1
Light yellow cryst. Mp 168-169°.

Me ester: [75795-41-4].
C₁₁H₈N₂O₄ M 232.1 Light yellow
needles (EtOAc). Mp 162-163°.

Nitrile:

C₁₀H₅N₃O₂ M 199.1 Cryst. (EtOH).
Mp 198.5-199°.

[77628-99-0]

Kirby, G.W. *et al*, *J.C.S. Perkin 1*, 1979, 270
(*synth*, *ir*, *pmr*, *nitrile*)
Nishimura, S. *et al*, *Chem. Pharm. Bull.*, 1980,
28, 1695 (*synth*, *ir*)

5-Nitro-3-isoquinolinecarboxylic acid, 9CI N-1-00021

[80066-72-4]

C₁₀H₆N₂O₄ M 218.1
Mp 260-263° dec. Evolves CO₂ above the
Mp giving 5-nitroisoquinoline.

Elderfield, R.C. *et al*, *J.O.C.*, 1958, **23**, 435
(*synth*)

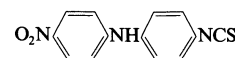
8-Nitro-3-isoquinolinecarboxylic acid N-1-00022

C₁₀H₆N₂O₄ M 218.1
Mp 230-240° dec. Evolves CO₂ above the Mp
giving 8-nitroisoquinoline.

Popp, F.D. *et al*, *J.O.C.*, 1961, **26**, 956 (*synth*)

4-Nitro-4'-isothiocyanatodiphenylamine N-1-00023

4-Isothiocyanato-N-(4-nitrophenyl)
benzenamine, 9CI. p-(p-Nitroanilino)phenyl
isothiocyanate, 8CI. *Amoscanate*, INN.
Nithiocyanamine. CGP 4540. Go 9333
[26328-53-0]



C₁₃H₉N₃O₂S M 271.2
Anthelmintic. Mp 204-206°. Relat. to
Nitroscanate, N-0-01677.

► Exp. retinotoxic. NX9106000.

Ger. Pat., 1 935 338, (1970) (*Agripat*); *CA*, **73**,
25110f (*synth*, *pharmacol*)

Striebel, H.P., *Experientia*, 1976, **32**, 457
(*pharmacol*)

Vaidaya, A.B. *et al*, *Br. J. Clin. Pharmacol.*,
1977, **4**, 463 (*tox*)

Rajappa, S. *et al*, *J.C.S. Perkin 1*, 1979, 2027
(*synth*)

Hardgrove, G.L. *et al*, *Acta Cryst. C*, 1983, **39**,
616 (*cryst struct*)

Maertins, T. *et al*, *Arch. Toxicol.*, 1993, **67**, 120
(*tox*)

Martindale, The Extra Pharmacopoeia, 30th
edn., Pharmaceutical Press, London, 1993,
39.

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AOA050.

4-Nitro-4H-isoxazol-5-one N-1-00024
4-Nitro-3-isoxazolin-5-one



$C_3H_2N_2O_4$ M 130.0

Pyridinium salt: Pale yellow needles. Mp 141-142° dec. Exists in *aci*-nitro form.

Nishiwaki, N. *et al*, *J. Het. Chem.*, 1995, **32**, 473 (*synth*, *pmr*)

6-Nitro-2,3-naphthalenedicarboxylic acid N-1-00025
[139451-35-7]

$C_{12}H_7NO_6$ M 261.1

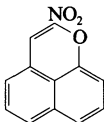
No phys. props. reported.

Di-Et ester: [155534-58-0].

$C_{16}H_{15}NO_6$ M 317.2 Mp 139-141°.

Makosza, M. *et al*, *Synthesis*, 1994, 264 (*di-Et ester*, *synth*)

2-Nitronaphtho[1,8-*bc*]pyran, 9CI N-1-00026
2-Nitro-1-oxaphenalene
[105052-38-8]



$C_{12}H_7NO_3$ M 213.1

Compd. and its subst. derivs. are used in mutagenicity studies. Brick-red cryst. (EtOH). Mp 117°.

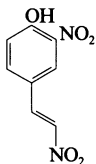
► Highly genotoxic, prob. carcinogen.

Royer, R. *et al*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1986, **21**, 352 (*synth*)

Buisson, J.-P. *et al*, *J. Het. Chem.*, 1988, **25**, 539 (*synth*)

Salmon, R.J. *et al*, *Carcinogenesis (London)*, 1989, **10**, 803 (*tox*)

2-Nitro-4-(2-nitroethyl)phenol, 9CI N-1-00027
2-Nitro-4-(2-nitrovinyl)phenol
[2084-92-6]



$C_8H_6N_2O_5$ M 210.1

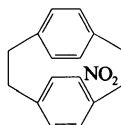
Isol. from the leaves of *Sonneratia acida*.

Yellow needles (AcOH/MeOH). Mp 152° (synthetic).

Japan. Pat., 64 26 960, (1964); *CA*, **62**, 14569e (*synth*)

Bose, A.K. *et al*, *Oceanogr. Indian Ocean*, 1992, 407; *CA*, **120**, 212589 (*isol*, *struct*)

4-Nitro[2.2]paracyclophane N-1-00028
5-Nitrotricyclo[8.2.2.2^{4,7}]hexadeca-4,6,10,12,13,15-hexaene, 9CI
[10122-96-0]



$C_{16}H_{15}NO_2$ M 253.3

(±)-*form*

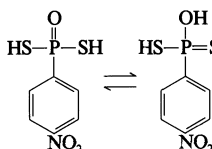
Light yellow needles (EtOH). Mp 155.5-156.5°.

Cram, D.J. *et al*, *J.A.C.S.*, 1955, **77**, 6289 (*synth*)

Norcross, B.E. *et al*, *J.O.C.*, 1967, **32**, 220 (*synth*, *ir*)

Ernst, L., *Annalen*, 1995, 13 (*pmr*, *cmr*, *conformn*)

(4-Nitrophenyl)phosphonodithioic acid, 9CI N-1-00029
4-Nitrophenyldithiophosphonic acid



$C_6H_6NO_3PS_2$ M 235.2

Tautomeric.

Phosphoryl-form

S,S-Di-Me ester: [30381-63-6]. *S,S-Dimethyl (4-nitrophenyl)phosphonodithioate*

$C_8H_{10}NO_3PS_2$ M 263.2 Solid. Mp 81.5-83°.

S,S-Di-Et ester: [30381-64-7]. *S,S-Diethyl (4-nitrophenyl)phosphonodithioate*

$C_{10}H_{14}NO_3PS_2$ M 291.3 Liq. Bp_{0.01} 175-180°.

S,S-Dipropyl ester: [30381-65-8]. *S,S-Dipropyl (4-nitrophenyl)phosphonodithioate*

$C_{12}H_{18}NO_3PS_2$ M 319.3 Liq. Bp_{0.01} 185-187°.

Plazek, E. *et al*, *Rocz. Chem.*, 1970, **44**, 681 (*synth*, *ir*)

1-Nitro-2-phenylpropane N-1-00030
(1-Methyl-2-nitroethyl)benzene. β-Nitrocumene
[7796-75-0]

$H_3CCHPhCH_2NO_2$

$C_9H_{11}NO_2$ M 165.1

(±)-*form*

Oil.

Abbenante, G. *et al*, *Aust. J. Chem.*, 1994, **47**, 1441 (*synth*)

3-Nitro-2-phenyl-1-propylamine N-1-00031
β-(Nitromethyl)benzeneethanamine, 9CI
[159112-20-6]

$O_2NCH_2CHPhCH_2NH_2$

$C_9H_{12}N_2O_2$ M 180.2

(±)-*form*

Needles (as hydrochloride). Mp 205-206° (hydrochloride).

Abbenante, G. *et al*, *Aust. J. Chem.*, 1994, **47**, 1441 (*synth*)

(1-Nitropropyl)phosphonic acid N-1-00032

$H_3CCH_2CH(NO_2)P(O)(OH)_2$

$C_3H_8NO_5P$ M 169.0

Di-Me ester: [60593-27-3]. *Dimethyl (1-nitropropyl)phosphonate*

$C_5H_{12}NO_5P$ M 197.1 Liq. Bp₂ 103°. p*K*_a 6.74 (50% EtOH). *n*_D²⁰ 1.4442.

Di-Et ester: [136496-87-2]. *Diethyl (1-nitropropyl)phosphonate*

$C_7H_{16}NO_5P$ M 225.1 Liq. Bp₃ 130°. *n*_D²⁰ 1.4411.

Diisopropyl ester: *Diisopropyl (1-nitropropyl)phosphonate*

$C_9H_{20}NO_5P$ M 253.2 Liq. Bp₁ 98-101°. *n*_D²⁰ 1.4342.

Petrov, K.A. *et al*, *Zh. Obshch. Khim.*, 1976, **46**, 1250; *J. Gen. Chem. USSR (Engl. Transl.)*, 1976, **46**, 1230.

Petrov, K.A. *et al*, *Zh. Obshch. Khim.*, 1979, **49**, 90; *J. Gen. Chem. USSR (Engl. Transl.)*, 1979, **49**, 75 (*Di-Me ester*)

Zoň, J., *Synthesis*, 1984, 661.

(3-Nitropropyl)phosphonic acid N-1-00033

$O_2NCH_2CH_2CH_2P(O)(OH)_2$

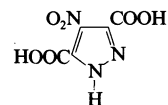
$C_3H_8NO_5P$ M 169.0

Di-Et ester: [33475-85-3]. *Diethyl (3-nitropropyl)phosphonate*

$C_7H_{16}NO_5P$ M 225.1 Liq. d₄²⁰ 1.17. Bp_{0.1} 111-112°. *n*_D²⁰ 1.4421.

Mastryukova, T.A. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1971, 1353; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1971, 1264.

4-Nitro-1H-pyrazole-3,5-dicarboxylic acid, 9CI N-1-00034
[62078-43-7]



$C_5H_3N_3O_6$ M 201.0

Solid. Mp 206°.

Di-Me ester: [59694-23-4].

$C_7H_7N_3O_6$ M 229.1 Solid (H₂O). Mp 122-124°.

Dihydrazide: [62063-00-7].

$C_5H_7N_7O_4$ M 229.1 Cryst. (EtOH aq.). Mp 178°.

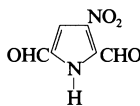
1-Me, di-Me ester: [159427-78-8].

$C_8H_9N_3O_6$ M 243.1 Solid (EtOAc/petrol). Mp 135°.

[162937-26-0]

Latypov, N.V. *et al*, *Khim. Geterotsikl. Soedin.*, 1976, **12**, 1649; *J. Het. Chem. USSR*, 1976, **12**, 1355 (*di-Me ester*, *dihydrazide*, *synth*, *ir*)

Baraldi, P.G. *et al*, *J. Med. Chem.*, 1994, **37**, 4329 (*synth*)

3-Nitro-1H-pyrrole-2,5-dicarboxaldehyde, 9CI
2,5-Diformyl-3-nitropyrrole
[153850-78-3]

$C_6H_4N_2O_4$ M 168.1
Cryst. (Me₂CO/pentane). Mp 140-141°.

Cadamuro, S. *et al*, *J.C.S. Perkin 1*, 1993, 2939
(*synth*, *ir*, *pmr*, *cmr*)

1-Nitropyrrolidine, 9CI
[3760-55-2]

$C_4H_8N_2O_2$ M 116.1
Cryst. (petrol). Mp 55-57° (49-51°).

Bottaro, J.C. *et al*, *J.O.C.*, 1987, 52, 2292
(*synth*)

Suri, S.C. *et al*, *Synthesis*, 1988, 743 (*synth*, *ir*, *pmr*, *cmr*)

Shishkov, I.F. *et al*, *Zh. Strukt. Khim.*, 1992, 33, 46; *CA*, 117, 76981a (*struct*)

Daszkiewicz, Z. *et al*, *Org. Prep. Proced. Int.*, 1994, 26, 337 (*synth*)

3-Nitrosobiphenyl
[105361-86-2]

$C_{12}H_9NO$ M 183.2

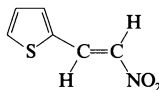
Ioannides, C. *et al*, *Carcinogenesis (London)*, 1989, 10, 1403; *CA*, 111, 128739a (*synth*)

4-Nitrosobiphenyl
[10125-76-5]

$C_{12}H_9NO$ M 183.2

Yellow solid. Mp 74-75°.

Brill, E., *Experientia*, 1974, 30, 835 (*synth*)

2-(2-Nitrovinyl)thiophene, 8CI N-1-00039
2-(2-Nitroethenyl)thiophene, 9CI. 1-Nitro-2-(2-thienyl)ethylene
[874-84-0]

$C_6H_5NO_2S$ M 155.1

(*E*)-*form* [34312-77-1]
Yellow. Mp 80°.

Dressler, M.L. *et al*, *J. Het. Chem.*, 1970, 7, 1257 (*synth*)

Satonaka, H. *et al*, *Bull. Chem. Soc. Jpn.*, 1985, 58, 3651 (*pmr*, *cmr*)

Bourguignon, J. *et al*, *Can. J. Chem.*, 1985, 63, 2354 (*synth*)

1,20-Nonacosadiene
[28914-19-4]

$H_3C(CH_2)_7CH=CH(CH_2)_{17}CH=CH_2$

$C_{29}H_{56}$ M 404.7

N-1-00035

(E)-*form* [104899-46-9]

Isol. from the alga *Botryococcus braunii*.

(Z)-*form* [104899-41-4]

Isol. from *B. braunii*.

Metzger, P. *et al*, *Phytochemistry*, 1986, 25, 1869; 1993, 33, 1125 (*isol*, *pmr*, *cmr*)

1,19-Nonadecanediol

[7268-65-7]

$HOCH_2(CH_2)_{17}CH_2OH$

$C_{19}H_{40}O_2$ M 300.5

Leaflets (C_6H_6). Mp 101° (95-96°).

Chuit, P. *et al*, *Helv. Chim. Acta*, 1929, 12, 850
(*synth*)

Lukeš, R. *et al*, *Chem. Listy*, 1958, 52, 1926;
CA, 53, 3055g (*synth*)

Percec, V. *et al*, *Macromolecules*, 1990, 23, 3509
(*synth*, *pmr*)

3,7-Nonadiyn-1-ol

[160109-63-7]

$H_3CC\equiv CCH_2CH_2C\equiv CCH_2CH_2OH$

$C_9H_{12}O$ M 136.1

No phys. props. descr.

Bao, J. *et al*, *J.A.C.S.*, 1994, 116, 7616 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

1,1,2,2,3,3,4,4,4-Nonafluoro-1-butan-1-yl N-1-00043
butanesulfonic acid, 9CI

Perfluorobutyric acid

[375-73-5]

$F_3CCF_2CF_2CF_2SO_3H$

$C_4HF_9O_3S$ M 300.1

One of the strongest known acids, with synthetic applications. Liq. Bp 210-212°, Bp₁₅ 120-130°.

Ag. salt: [116831-41-5].

Mp > 250°.

Me ester: [6401-03-2].

$C_5H_3F_9O_3S$ M 314.1 Liq. Mp -13.5°. Bp 155.1°, Bp₄₀ 75°.

Trifluoromethyl ester: [79410-57-4].

$C_5F_{12}O_3S$ M 368.1 Liq. Mp -78.9°. Bp 93.6°.

Ph ester: [25628-11-9].

$C_{10}H_5F_9O_3S$ M 376.1 Liq. Bp₁₅ 100-101°, Bp₁₂ 99°.

Anhydride: [36913-91-4].

$C_8F_{18}O_5S_2$ M 582.1 Liq. Bp₁₄ 84°.

Gramstad, J. *et al*, *J.C.S.*, 1957, 2640; 1956, 173 (*synth*)

Subramanian, L.R. *et al*, *Chem. Ber.*, 1972, 105, 1465 (*anhydride*)

Brunel, D. *et al*, *Bull. Soc. Chim. Fr.*, 1979, 249 (*use*)

John, K.K. *et al*, *J.O.C.*, 1981, 46, 5081 (*deriv*)

Subramanian, L.R. *et al*, *Synthesis*, 1984, 481 (*synth*, *ir*, *pmr*, *deriv*)

Frasch, M. *et al*, *Chem. Ber.*, 1991, 124, 1805 (*synth*, *ester*)

Conte, L. *et al*, *J. Fluorine Chem.*, 1991, 53, 277 (*synth*, *ir*, *pmr*, *deriv*)

3,3,4,4,5,5,6,6,6-Nonafluoro-1-hexene, 9CI, 8CI

[19430-93-4]

$F_3C(CF_2)_3CH=CH_2$

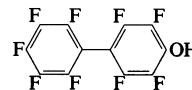
$C_6H_3F_9$ M 246.0

Bp 59-59.5°.

Kim, Y.K. *et al*, *J.O.C.*, 1973, 38, 1615.

2,2',3,3',4,5,5',6,6'-Nonafluoro-4'-hydroxybiphenyl

2,2',3,3',4,5,5',6,6'-Nonafluoro-[1,1'-biphenyl]-4-ol, 9CI. Perfluoro-4-biphenylol. 2,3,5,6-Tetrafluoro-4-(pentafluorophenyl)phenol
[2894-87-3]



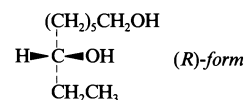
$C_{12}HF_9O$ M 332.1

Cryst. Mp 119-120°.

Buxton, M.W. *et al*, *J. Fluorine Chem.*, 1973, 2, 231 (*synth*)

1,7-Nonanediol

[4469-84-5]



$C_9H_{20}O_2$ M 160.2

(*R*)-*form* [161513-89-9]
Liq. Bp₁ 138°. [α]_D²⁵ -9.5 (c, 1.8 in CHCl₃).

(±)-*form*

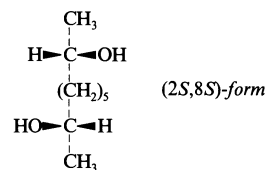
Liq. Bp₂ 134-135°.

Cekovic, Z. *et al*, *Croat. Chem. Acta*, 1985, 58, 671 (*synth*, *ir*, *pmr*)

Paolucci, C. *et al*, *J.O.C.*, 1995, 60, 169 (*synth*)

2,8-Nonanediol, 9CI, 8CI

[39997-24-5]



$C_9H_{20}O_2$ M 160.2

Liq.

(2*S*,8*S*)-*form* [141667-22-3]
Liq. [α]_D²⁵ +14.48 (c, 2.63 in CHCl₃) (>99% ee).

Keinan, E. *et al*, *J.O.C.*, 1992, 57, 3631 (*synth*, *pmr*, *cmr*, *ir*)

Sinha, S.C. *et al*, *J.O.C.*, 1993, 58, 7789 (*synth*)

8-Nonene-2,5-dione, 9CI

[5312-86-7]

$H_2C=CHCH_2CH_2COCH_2CH_2COCH_3$

$C_9H_{14}O_2$ M 154.2

Liq. Bp₈ 180°.

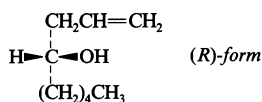
Betancourt de Perez, R.M. *et al*, *J.O.C.*, 1986, 51, 2039 (*synth*)

Pecunioso, A. *et al*, *J.O.C.*, 1989, 54, 2391 (*pmr*, *cmr*, *ms*)

Ballini, R., *Synthesis*, 1993, 687 (*synth*, *pmr*)

1-Nonen-4-ol, 9CI**N-1-00049**

[35192-73-5]

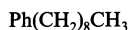
 $\text{C}_9\text{H}_{18}\text{O}$ M 142.2**(R)-form** [91525-93-8][α]_D²³ + 4.0 (c, 2 in CHCl_3).**(±)-form** [106756-94-9]Liq. Bp₁₃ 105-110°. n_D^{20} 1.4406.*Me ether*: [106650-76-4]. 4-Methoxy-1-nonene, 9CI $\text{C}_{10}\text{H}_{20}\text{O}$ M 156.2 Liq. Bp₂ 57-59°.

[90246-13-2]

Schlosser, M. *et al*, *Tetrahedron*, 1990, **46**, 2411*(Me ether, synth)*Sato, F. *et al*, *Tet. Lett.*, 1991, **32**, 371 (*R-form, pmr, cmr*)Imai, T. *et al*, *Synthesis*, 1993, 395 (*synth*)**Nonylbenzene, 9CI****N-1-00050**

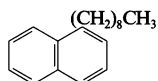
1-Phenylnonane, 8CI

[1081-77-2]

 $\text{C}_{15}\text{H}_{24}$ M 204.3Liq. Fp -24° . Bp 282.0° .*Adv. Chem. Ser.*, 1955, **15**, 104 (*props*)Minisci, F. *et al*, *Tetrahedron*, 1972, **28**, 2415*(ms)*Castle, P.L. *et al*, *Tet. Lett.*, 1986, **27**, 6013*(synth)*Cahiez, G. *et al*, *Synlett*, 1993, 45 (*synth*)**1-Nonylnaphthalene****N-1-00051**

1-(1-Naphthalenyl)nonane

[26438-26-6]

 $\text{C}_{19}\text{H}_{26}$ M 254.4 d_4^{20} 0.937. Fp 8° . Bp 372° , Bp₁ 157° . n_D^{20}

1.5477.

Adv. Chem. Ser., 1955, **15**, 230 (*props*)**2-Nonylnaphthalene****N-1-00052**

1-(2-Naphthalenyl)nonane

 $\text{C}_{19}\text{H}_{26}$ M 254.4 d_4^{20} 0.930. Fp 12° . Bp 372° , Bp₁ 157° . n_D^{20}

1.5454.

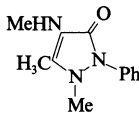
Adv. Chem. Ser., 1955, **15**, 231 (*props*)**Noramidopyrine****N-1-00053**

1,2-Dihydro-1,5-dimethyl-4-(methylamino)-2-

phenyl-3H-pyrazol-3-one, 9CI. 4-

(Methylamino)antipyrene, 8CI. Calmagine

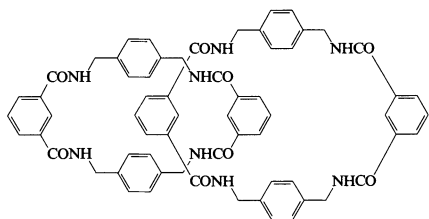
[519-98-2]

 $\text{C}_{12}\text{H}_{15}\text{N}_3\text{O}$ M 217.2Metab. of Dipyrone, D-0-12710 and Aminophenazone, A-0-03375. Active subst. in many drugs having antipyretic and analgesic effects. Cryst. (Et_2O /petrol). Mp $58-60^\circ$.▶ LD₅₀ (rat, ipr) 1288 mg/kg. CD2995850.Chiti, W., *Farmaco, Ed. Sci.*, 1960, **15**, 679; *CA*, **57**, 16597c (*synth*)Banci, F. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1665 (*pharmacol*)Noda, A. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 3229 (*metab*)Lissel, M. *et al*, *J. Chem. Res., Synop.*, 1989, 312 (*synth, ir, pmr*)

O

Octaamide[2]catenane

O-1-00001



$C_{64}H_{56}N_8O_8$ M 1065.1

Readily obt. in 1-step octamerisation.

Smallest catenane so far obt. Mp 315° dec.

Johnston, A.G. *et al*, *Angew. Chem., Int. Ed.*, 1995, **34**, 1209 (*synth, ms, pmr, cmr, cryst struct*)

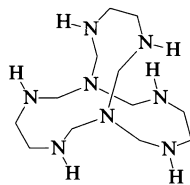
1,3;6,8,10,13,16,19-

O-1-00002

Octaazabicyclo[6.6.6]eicosane, 9CI

Sepulchrate

[63413-08-1]



$C_{12}H_{30}N_8$ M 286.4

Characterised as metal complexes.

Macrocyclic nitrogen cage for metal ions.

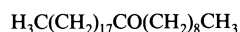
[62994-31-4, 75592-24-4, 148949-71-7, 148977-71-3]

Creaser, I.I. *et al*, *J.A.C.S.*, 1977, **99**, 3181; 1982, **104**, 6016 (*synth, cryst struct, complex*)
Dubicicki, L. *et al*, *J. Phys. Chem.*, 1984, **88**, 4254 (*cd, Raman, Co complex*)
Bacchi, A. *et al*, *Acta Cryst. C*, 1993, **49**, 1163 (*cryst struct, complex*)

10-Octacosanone

O-1-00003

[31617-35-3]



$C_{28}H_{56}O$ M 408.7

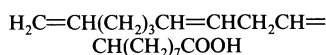
Constit. of the seeds of *Achyranthes aspera*.

Baser, I.A., *CA*, 1971, **74**, 99408 (*synth*)

Ali, M., *Orient. J. Chem.*, 1993, **9**, 84 (*isol*)

9,12,17-Octadecatrienoic acid

O-1-00004



$C_{18}H_{30}O_2$ M 278.4

(*9Z,12Z*)-*form* [139959-66-3]

Isol. from the phospholipids of the pea aphid *Acyrtosiphon pisum*.

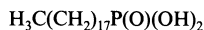
Febvay, G. *et al*, *Experientia*, 1993, **49**, 915 (*isol*)

Octadecylphosphonic acid

O-1-00005

1-Phosphonoctadecane. 1-Octadecanephosphonic acid

[4724-47-4]



$C_{18}H_{39}O_3P$ M 334.4

Solid. Mp 98.5-99°.

Dibutyl ester: Dibutyl octadecylphosphonate

$C_{26}H_{55}O_3P$ M 446.6 Liq. d_4^{25} 0.90.

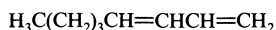
Bp₂ 248-250°. n_D^{25} 1.4499.

Kosolapoff, G.M., *J.A.C.S.*, 1945, **67**, 1180.

1,3-Octadiene, 9CI

O-1-00006

[1002-33-1]



C_8H_{14} M 110.1

(*E*)-*form* [39491-65-1]

Liq. Bp 123-126°. n_D^{21} 1.4483. Obt. mixed with ca. 30% *Z* isomer.

Prévost, C. *et al*, *Bull. Soc. Chim. Fr.*, 1964, 2485 (*synth*)

Beger, J. *et al*, *J. Prakt. Chem.*, 1984, **326**, 12

(*synth, pmr, ms*)

Kitahara, T. *et al*, *Synthesis*, 1994, 692 (*synth, ir, pmr*)

1,1,1,3,3,4,4,4-Octafluoro-2-butanone, 9CI

O-1-00007

Perfluorobutanone

[337-20-2]



C_4F_8O M 216.0

Liq. Ir $\nu(CO)$ 1800 cm^{-1} . Hygroscopic.

Holub, F.F. *et al*, *J.A.C.S.*, 1950, **72**, 4879

(*synth*)

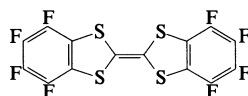
Delfino, J.J. *et al*, *Inorg. Chem.*, 1966, **5**, 308

(*synth, ir*)

Husain, S.Z. *et al*, *Bull. Soc. Chim. Fr.*, 1986, 891 (*synth, ir*)

Octafluorodibenzotetra-thiafulvalene

O-1-00008



$C_{14}F_8S_4$ M 448.4

Dark red solid. Mp 175-177°.

Purrington, S.T. *et al*, *Synthesis*, 1994, 460

(*synth, cmr, F-19 nmr, ir, uv, ms, cryst struct*)

1,1,2,2,3,3,4,4-Octafluoro-1,4-diiodobutane

O-1-00009

1,4-Diiodoperfluorobutane

[375-50-8]



$C_4F_8I_2$ M 453.8

Patented for use as hydraulic fluid and in preparation of special rubbers. d 2.48. Mp -9°. Bp₁₀₀ 85°. n_D^{20} 1.4300.

Haszeldine, R.N., *J.C.S.*, 1953, 1764 (*uv*)

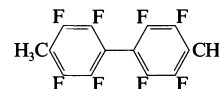
Hauptschein, M. *et al*, *J.O.C.*, 1953, **18**, 235 (*synth*)

2,2',3,3',5,5',6,6'-Octafluoro-4,4'-dimethylbiphenyl, 9CI

O-1-00010

2,2',3,3',5,5',6,6'-Octafluoro-p,p'-bitolyl, 8CI. 4,4'-Dimethyloctafluorobiphenyl

[26475-18-3]



$C_{14}H_6F_8$ M 326.1

Mp 148-149°.

Respass, W.L. *et al*, *J. Organomet. Chem.*, 1970, **22**, 251.

Kobrina, L.S. *et al*, *Zh. Org. Khim.*, 1977, **13**, 1246; *J. Org. Chem. USSR (Engl. Transl.)*, 1977, **13**, 1145 (*synth, F-19 nmr, ir, uv*)

2,2,3,3,4,4,5,5-Octafluoro-1,6-hexanediol

O-1-00011

Perfluoro-1,6-hexanediol

[355-74-8]



$C_6H_6F_8O_2$ M 262.0

Tan solid. Mp 67-70°. Bp₃ 100°.

Bis(4-methylbenzenesulfonyl): [58191-47-2]. Solid. Mp 134-136°.

McBee, E.T. *et al*, *J.A.C.S.*, 1952, **74**, 444 (*synth*)

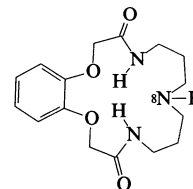
Greenwald, R.B. *et al*, *J.O.C.*, 1976, **41**, 1469, 1470 (*synth*)

Mikisheva, L.I. *et al*, *CA*, 1981, **95**, 132219z (*synth*)

5,6,7,8,9,10,11,12-Octahydro-2H-1,15,4,8,12-benzodioxatriazacycloheptadecine-3,13(4H,14H)-dione, 9CI

O-1-00012

[134142-96-4]



$C_{16}H_{23}N_3O_4$ M 321.3

Parent compd. and derivs. are efficient cation complexing and extraction agents. Mp 187°.

8-Me: [145902-21-2].

$C_{17}H_{25}N_3O_4$ M 335.4 Mp 90°.

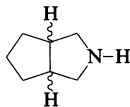
8-(2-Cyanoethyl): [145902-25-6].

$C_{19}H_{26}N_4O_4$ M 374.4 Mp 115°.

Kumar, S. *et al*, *J.C.S. Perkin 1*, 1992, 3049
(*synth, pmr, cmr*)
Hundal, G. *et al*, *Acta Cryst. C*, 1995, **51**, 1459
(*cryst struct, deriv*)

Octahydrocyclopenta[c]pyrrole O-1-00013

3-Azabicyclo[3.3.0]octane
[5661-03-0]

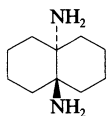


$C_8H_{13}N$ M 111.1
Liq. Bp 158.5°, Bp₅₀ 73-75°.
Hydrochloride: Cryst. (EtOH/EtOAc). Mp 134.5-135.5°.
Picrate: Yellow cryst. Mp 147-148°.
Picrolonate: Cryst. (EtOH). Mp 238.5° dec.
N-(4-Methylbenzenesulfonyl): [54104-88-0].
Cryst. Mp 45-46°.
N-Me: [55100-42-0].
 $C_9H_{15}N$ M 125.2 Liq. Bp 152-153°.
 n_D^{20} 1.4651.

N-Me, picrate: [55100-43-1].
Yellow cryst. (EtOH). Mp 203-205°.
N,N-Di-Me:
 $C_9H_{18}N^+$ M 140.2 (ion) Cryst. (as iodide). Mp 197-198° (iodide).
[1468-87-7, 85960-51-6]
Griot, R., *Helv. Chim. Acta*, 1959, **42**, 67 (*synth, deriv*)
Muramaya, K. *et al*, *Yakugaku Zasshi*, 1965, **85**, 130 (*synth, deriv*)
Khandewal, G.D. *et al*, *J.C.S. Perkin 1*, 1974, 891 (*N*-(4-methylbenzenesulfonyl))
Beugelmans, R. *et al*, *Can. J. Chem.*, 1985, **63**, 725 (*N-Me*)
Roussi, G. *et al*, *Tetrahedron*, 1991, **47**, 5161 (*synth, pmr*)

Octahydro-4a,8a-naphthalenediamine O-1-00014

9,10-Decalindiamine. 9,10-Diaminodecalin



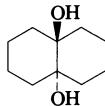
(4aRS,8aRS)-form

$C_{10}H_{20}N_2$ M 168.2
(4aRS,8aRS)-form
trans-form
Mp 70°. Bp₁₂ 120° approx.
Picrate (1:2): Needles. Mp 262-264°.

(4aRS,8aSR)-form
cis-form
Mp 41°. Bp₁₂ 121°.
Picrate (1:1): Mp 236° dec.
Picrate (1:2): Mp 242-247° dec.
Hydrate (1:2): Mp 47°.
N,N'-Di-Ac:
 $C_{14}H_{24}N_2O_2$ M 252.3 Mp 242°.
Plattner, P.A. *et al*, *Helv. Chim. Acta*, 1944, **27**, 120.

Octahydro-4a,8a-naphthalenediol, 9CI O-1-00015

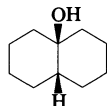
9,10-Decalindiol. Bicyclo[4.4.0]decane-1,6-diol.
9,10-Dihydroxydecalin
[49578-06-5]



$C_{10}H_{18}O_2$ M 170.2
(4aRS,8aRS)-form [57289-63-1]
trans-form
Cryst. (petrol). Mp 96°.
Ac:
 $C_{12}H_{20}O_3$ M 212.2 Cryst. Mp 168-169°.
[28795-95-1]
Hückel, W. *et al*, *Annalen*, 1933, **502**, 99 (*synth*)
Hückel, W. *et al*, *Chem. Ber.*, 1956, **89**, 2098 (*synth*)

Octahydro-4a(2H)-naphthalenol, 9CI O-1-00016

Bicyclo[4.4.0]decane-1-ol. 9-Decalol. 9-Hydroxydecalin
[55693-34-0]



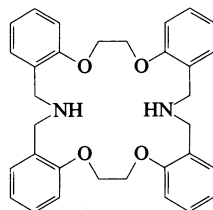
(4aRS,8aRS)-form

$C_{10}H_{18}O$ M 154.2
(4aRS,8aRS)-form [3574-58-1]
cis-form
Cryst. (petrol). Mp 64.5°.
(4aRS,8aSR)-form [1654-87-1]
trans-form
Cryst. Mp 50-51°.

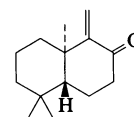
[36144-11-3, 99299-13-5]
Durland, J.R. *et al*, *J.A.C.S.*, 1939, **61**, 429 (*synth*)
Mello, R. *et al*, *J.A.C.S.*, 1989, **111**, 6749 (*synth, ir, pmr, cmr, ms*)
DesMarteau, D.D. *et al*, *J.A.C.S.*, 1993, **115**, 4897.

6,7,14,15,21,22,29,30-Octahydro-13H,28H-tetrabenzo[e,j,p,u][1,4,12,15,8,19]tetraoxadiazacyclodocosine, 9CI O-1-00017

[156339-67-2]



$C_{32}H_{34}N_2O_4$ M 510.6
Cryst. (C_6H_6). Mp 169°.
Atkinson, I.M. *et al*, *Aust. J. Chem.*, 1994, **47**, 1155 (*synth, pmr, cmr*)

Octahydro-5,5,8a-trimethyl-1-methylene-2(1H)-naphthalenone, 9CI O-1-00018

(4aR,8aR)-form

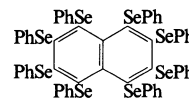
$C_{14}H_{22}O$ M 206.3
Synthon for triterpene and sesquiterpene natural prods.; intermed. for 8,12-Epoxy-13,14,15,16-tetranorlabdane, E-0-00193.
(4aR,8aR)-form [108944-89-4]
(+)-trans-form
Needles (pentane). Mp 55-56°. $[\alpha]_D^{23}$ +71.9 (c, 0.695 in $CHCl_3$).
(4aS,8aS)-form [59633-90-8]
(-)-trans-form
Needles (pentane). Mp 55.5-56.5°. $[\alpha]_D^{23}$ -69.6 (c, 0.5 in $CHCl_3$).
(4aRS,8aRS)-form [65556-26-5]
(±)-trans-form
Pale yellow oil.

2,4-Dinitrophenylhydrazone: Orange needles ($CHCl_3/MeOH$). Mp 183-184.5°.

Eschenmoser, A. *et al*, *Helv. Chim. Acta*, 1957, **40**, 1900 (*synth, ir, uv*)
White, J.D. *et al*, *J.O.C.*, 1985, **50**, 1939 (*synth, pmr*)
Mori, K. *et al*, *Bull. Soc. Chim. Belg.*, 1986, **95**, 771 (*synth, ir, pmr*)
Marsaioli, A.J. *et al*, *J.C.S. Perkin 1*, 1989, 559 (*synth, pmr, ms*)
Cortes, M. *et al*, *Synth. Commun.*, 1989, **19**, 2841 (*synth, pmr*)
Snowden, R.L. *et al*, *Tet. Lett.*, 1991, **32**, 4119 (*synth, pmr, cmr, ms*)
Nair, M.S. *et al*, *Synth. Commun.*, 1994, **24**, 1085 (*synth, pmr, cmr, ir*)

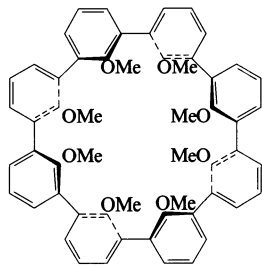
Octakis(phenylseleno)naphthalene O-1-00019

[144096-04-8]



$C_{58}H_{40}Se_8$ M 1368.6
MacNicol, D.D. *et al*, *Chem. Comm.*, 1985, 1649.
MacNicol, D.D. *et al*, *Acta Cryst. C*, 1992, **48**, 1557 (*synth, cryst struct*)

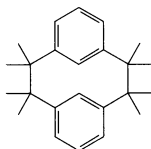
41,42,43,44,45,46,47,48-Octamethoxynonacyclo **O-1-00020**
[35.3.1.1^{2,6}.1^{7,11}.1^{12,16}.1^{17,21}.1^{22,26}.1^{27,31}.1^{32,36}]octatetraconta-1(41),2,4,6(48),7,9,11(47),12,14,16(46),17,19,21(45),22,24,26(44),27,29,31(43),32,34,36(42),37,39-tetracosane, 9CI
 [110569-94-3]



$C_{56}H_{48}O_8$ M 848.9
 Cavitand. Cryst. (CH_2Cl_2/Me_2CO). Mp 348-350°.

Cram, D.J. *et al*, *J.A.C.S.*, 1987, **109**, 7068
 (synth, cryst struct, pmr, cmr, ms)
 Trueblood, K.N. *et al*, *Acta Cryst. C*, 1995, **51**, 894 (cryst struct)

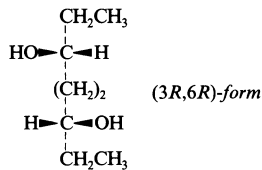
Octamethyl[2.2]metacyclophane **O-1-00021**
 [93958-99-7]



$C_{24}H_{32}$ M 320.5
 Powder. Mp 221-224°.

Gajewski, J.J. *et al*, *J.A.C.S.*, 1994, **116**, 5150
 (synth, pmr, cmr)

3,6-Octanediol **O-1-00022**
 [24434-09-1]



$C_8H_{18}O_2$ M 146.2
(3R,6R)-form [129619-37-0]
 Cryst. solid (Et_2O). Mp 51-52°. $[\alpha]_D^{25}$ -22.8 (c, 1 in $CHCl_3$) (>99% ee).

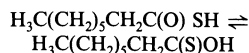
(3S,6S)-form [136705-66-3]
 $[\alpha]_D^{25}$ +22.8 (c, 1 in $CHCl_3$).
 Cyclic sulfate: [136705-67-4]. 4,7-Diethyl-1,3,2-dioxathiepane 2,2-dioxide, 9CI
 $C_8H_{16}O_4S$ M 208.2 Cryst.
 (Et_2O /hexane). Mp 79.5-80.5°. $[\alpha]_D^{25}$ +28.6 (c, 1 in $CHCl_3$).

[151124-02-6]

Sudweeks, W.H. *et al*, *J.O.C.*, 1975, **40**, 1131
 (synth)

Burk, M.J. *et al*, *Tetrahedron: Asymmetry*, 1991, **2**, 569 (synth, pmr, cmr)
 Burk, M.J. *et al*, *J.A.C.S.*, 1993, **115**, 10125 (sulfate, synth, pmr, cmr)

Octanethioic acid, 9CI **O-1-00023**
 Thiocaprylic acid
 [7530-92-9]



$C_8H_{16}OS$ M 160.2
 Yellow oil. Bp₁₀ 95°.

SH-form

S-Me ester: [2432-83-9].
 $C_9H_{18}OS$ M 174.3 Bp₂ 85-86°.

S-Et ester: [2432-84-0].
 $C_{10}H_{20}OS$ M 188.3 Bp₃ 90°.

S-Ph ester: [65842-42-4].
 $C_{14}H_{20}OS$ M 236.3 Bp_{0,1} 118-119°.

Fredga, A. *et al*, *Ark. Kemi*, 1950, **2**, 113 (synth)
 Vinokurov, V.A. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1989, 2154; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1989, 1984 (S-Me ester, ir, pmr, cmr)
 Katritzky, A.R. *et al*, *Org. Prep. Proced. Int.*, 1995, **27**, 361 (synth, pmr, cmr)

1,1,3,3,8,8,10,10-Octaphenyl-1,10-diphospha-3,8-diphosphoniadecane **O-1-00024**



$C_{54}H_{52}P_4^{2+}$ M 824.9 (ion)

Dichloride: [83346-03-6].

$C_{54}H_{52}Cl_2P_4$ M 895.8 Cryst.
 ($CHCl_3/Et_2O$). Mp 153°.

Dibromide: [83346-02-5].

$C_{54}H_{52}Br_2P_4$ M 984.7 Cryst.
 ($MeOH/Et_2O$). Mp 205° dec.

Schmidbaur, H. *et al*, *Z. Naturforsch., B*, 1982, **37**, 677 (synth)

2,4,6-Octatrienedioic acid **O-1-00025**



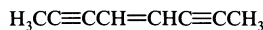
$C_8H_2O_4$ M 162.1

Dinitrile: [134830-04-9]. 1,6-Dicyano-1,3,5-hexatriyne

C_8N_2 M 124.1 Formed when graphite is vapourised under cyanogen. Accompanied by smaller amts. of higher homologues. Cryst. Sol. toluene, $CHCl_3$; spar. sol. hexane. Gradually dec. in solid state, can be stored at -18° in soln.

Grosser, T. *et al*, *Angew. Chem., Int. Ed.*, 1993, **32**, 1340.

4-Octene-2,6-diyne, 9CI **O-1-00026**
 [32803-85-3]



C_8H_8 M 104.1

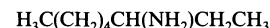
(E)-form [20060-07-5]

Prisms (pentane). Mp 77-78°. Rapidly dec. on standing.

[159149-26-5]

Sondheimer, F. *et al*, *J.A.C.S.*, 1968, **90**, 4940 (synth, ir, uv)
 Roth, W.R. *et al*, *Chem. Ber.*, 1994, **127**, 1781 (pmr, cmr, ir, uv, ms)

3-Octylamine **O-1-00027**
 3-Octanamine, 9CI. 1-Ethylhexylamine, 8CI. 3-Aminooctane
 [24552-04-3]



$C_8H_{19}N$ M 129.2

(±)-form

Liq. Bp 161-163°, Bp₁₆ 57-57.5°.

Hydrochloride: Mp 130°.

N,N-Di-Me: [24539-82-0].

$C_{10}H_{23}N$ M 157.2 Liq. Bp 186-187°.

Rohrmann, E. *et al*, *J.A.C.S.*, 1944, **66**, 1516

(synth)

Geiseler, G. *et al*, *Chem. Ber.*, 1961, **94**, 1008

(synth)

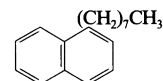
Brown, C.A. *et al*, *Org. Mass Spectrom.*, 1969, **2**, 625 (synth, ms)

Akermark, B. *et al*, *J. Organomet. Chem.*, 1974, **72**, 127 (synth, deriv)

1-Octylnaphthalene **O-1-00028**

1-(1-Naphthalenyl)octane

[2876-51-9]



$C_{18}H_{24}$ M 240.3

d^{20}_{4} 0.942. Fp -2°. Bp 356°, Bp₁ 146°. n^{20}_D 1.5526.

Adv. Chem. Ser., 1955, **15**, 228 (props)

2-Octylnaphthalene **O-1-00029**

1-(2-Naphthalenyl)octane

[2876-44-0]

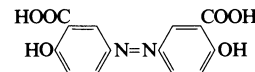
$C_{18}H_{24}$ M 240.3

d^{20}_{4} 0.935. Fp 12°. Bp 357°, Bp₁ 145-148°. n^{20}_D 1.5501.

Adv. Chem. Ser., 1955, **15**, 228 (props)

Olsalazine, BAN, INN **O-1-00030**

3,3'-Azobis[6-hydroxybenzoic acid], 9CI. 5,5'-Azodisalicylic acid. 4,4'-Dihydroxyazobenzene-3,3'-dicarboxylic acid. C.I. Mordant Yellow S. Azodisal. Dipentum. Procolon. C.I. 14130. CJ 91B
 [15722-48-2]



$C_{14}H_{10}N_2O_6$ M 302.2

Dye. Antiinflammatory agent. Used in the treatment of ulcerative colitis. Mp >300°.

Di-Na salt: [6054-98-4]. **Olsalazine sodium, BAN, USAN. Sodium azodisalicylate** Launched 1986.

Di-Ca salt: Green-black powder.

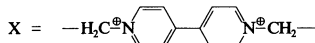
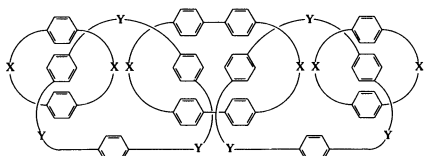
U.K. Pat., 408 676, (1934) (*IG Farben*); CA, **28**, 5679 (synth)

Henry, R.A., *J.O.C.*, 1958, **23**, 648 (synth)

Eur. Pat., 36 637, (1981) (*Pharmacia*); CA, **96**, 57761k (synth, pharmacol)

U.S. Pat., 4 312 806, (1982) (*GD Searle*); CA, **96**, 142468q (synth, pharmacol, deriv)

- Ryde, M. *et al*, *Scand. J. Gastroenterol.*, 1983, **18**, 571 (*pharmacol*)
 Van Hogezaand, R.A. *et al*, *J. Chromatogr.*, 1984, **305**, 470 (*hplc*)
 Carlin, G. *et al*, *Agents Actions*, 1985, **16**, 377 (*pharmacol*)
 Levinson, R.A. *et al*, *Am. J. Gastroenterol.*, 1985, **80**, 203 (*rev, pharmacol*)
 Van Hogezaand, R.A. *et al*, *Gastroenterology*, 1985, **88**, 717 (*pharmacol*)
 Fricke, U., *Dtsch. Apoth. -Ztg.*, 1990, **130**, 856 (*rev, pharmacol*)
 Thesen, R. *et al*, *Pharm. Ztg.*, 1990, **135**, 38 (*rev, pharmacol*)
 Wadworth, A.N. *et al*, *Drugs*, 1991, **41**, 647 (*rev*)
 Segars, L.W. *et al*, *Clin. Pharm.*, 1992, **11**, 514 (*rev*)
 Scheurlen, C. *et al*, *Scand. J. Gastroenterol.*, 1992, **27**, 311 (*activity*)
 Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, London, 1993, 896.

Olympiadane**O-1-00031**

$\text{C}_{204}\text{H}_{224}\text{N}_{12}\text{O}_{30}^{12\oplus}$ M 3324.0 (ion)
 First [5]catenane. Violet solid (as dodekakakis(hexafluorophosphate)). Mp > 250° (as dodekakakis(hexafluorophosphate)).

Amabilino, D.B. *et al*, *Angew. Chem., Int. Ed.*, 1994, **33**, 1286 (*synth, uv, pmr*)

6-Oxabicyclo[3.1.0]hex-2-ene**O-1-00032**

3,4-Epoxyoctalene



$\text{C}_5\text{H}_6\text{O}$ M 82.1

(±)-formBp₁₀₋₁₅ 20-26°.

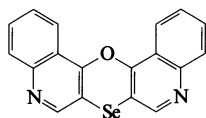
► Potentially explosive synth. and dist. of impure material.

Org. Synth., Coll. Vol., 5, 1973, 414 (*synth, haz*)
 Merlo, V. *et al*, *J.C.S. Perkin 1*, 1994, 1477 (*synth, pmr, cmr*)

[1,4]Oxaselenino[3,2-c:5,6-c']**O-1-00033**

diquinoline, 9CI

[162469-53-6]



$\text{C}_{18}\text{H}_{10}\text{N}_2\text{OSe}$ M 349.2

Plates + 1 H₂O (EtOH). Mp 183-184°.

Löwe, W. *et al*, *J. Het. Chem.*, 1995, **32**, 271 (*synth, pmr*)

3-Oxetanone, 9CI**O-1-00034**

[6704-31-0]



$\text{C}_3\text{H}_4\text{O}_2$ M 72.0

Liq. d_4^{25} 1.137. Bp 106°. n_D^{25} 1.4224. Polym. occurs during storage at r.t.

2,4-Dinitrophenylhydrazone: Pale orange needles. Mp 152-155°.

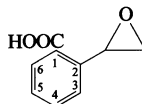
Marshall, J.R. *et al*, *J.C.S.*, 1952, 467 (*synth*)

Wojtowicz, J.A. *et al*, *J.O.C.*, 1973, **38**, 2061 (*synth, ir, pmr*)

Kozikowski, A.P. *et al*, *Synlett*, 1991, 783 (*synth*)

2-Oxiranylbenzoic acid**O-1-00035**

2-(Epoxyethyl)benzoic acid



$\text{C}_9\text{H}_8\text{O}_3$ M 164.1

(±)-form*Me ester:*

$\text{C}_{10}\text{H}_{10}\text{O}_3$ M 178.1 Oil.

Sugimoto, A. *et al*, *Synthesis*, 1995, 431 (*Me ester*)

3-Oxiranylbenzoic acid**O-1-00036**

3-(Epoxyethyl)benzoic acid

$\text{C}_9\text{H}_8\text{O}_3$ M 164.1

(±)-form

Nitrile: [13906-62-2]. 2-(2-Cyanophenyl)

oxirane. m-(Epoxyethyl)benzonitrile, 8CI.

m-Cyanostyrene oxide

$\text{C}_9\text{H}_7\text{NO}$ M 145.1 Liq. Bp₃ 121-123°. n_D^{20} 1.5539.

Barantsevich, E.N. *et al*, *Zh. Org. Khim.*, 1967, **3**, 110; *J. Org. Chem. USSR (Engl. Transl.)*, 106 (*nitrile*)

Eistert, B. *et al*, *Chem. Ber.*, 1976, **109**, 640 (*nitrile*)

4-Oxiranylbenzoic acid**O-1-00037**

4-(Epoxyethyl)benzoic acid

[159262-71-2]

$\text{C}_9\text{H}_8\text{O}_3$ M 164.1

(±)-form*Me ester:* [36099-25-9].

$\text{C}_{10}\text{H}_{10}\text{O}_3$ M 178.1 Pale yellow oil.

Nitrile: [52695-39-3]. (4-Cyanophenyl)oxirane.

p-(Epoxyethyl)benzonitrile, 8CI. p-Cyanostyrene oxide

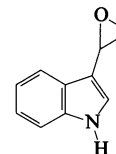
$\text{C}_9\text{H}_7\text{NO}$ M 145.1 Mp 34-35°.

Tamura, N. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 1393 (*nitrile*)

Ger. Pat., 3 903 988, (1990); *CA*, **114**, 101370y (*Me ester*)

3-Oxiranyl-1H-indole, 9CI**O-1-00038**

3-Indolylethylene oxide

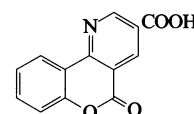


$\text{C}_{10}\text{H}_9\text{NO}$ M 159.1

(-)-form [129225-30-5]

Alkaloid from leaves of *Moricandia arvensis* (Cruciferae). $[\alpha]_D^{22}$ -40 (c, 1 in H₂O).

Belkhiri, A. *et al*, *Phytochemistry*, 1990, **29**, 1315 (*isol, uv, pmr, ms, struct*)

5-Oxo-5H-[1]benzopyrano[4,3-b]pyridine-3-carboxylic acid**O-1-00039**

$\text{C}_{13}\text{H}_7\text{NO}_4$ M 241.2

Me ester:

$\text{C}_{14}\text{H}_9\text{NO}_4$ M 255.2 Cryst. (MeOH). Mp 193-194°.

Et ester:

$\text{C}_{15}\text{H}_{11}\text{NO}_4$ M 269.2 Cryst. (EtOH). Mp 143-144°.

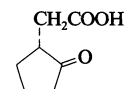
Nitrile:

$\text{C}_{13}\text{H}_6\text{N}_2\text{O}_2$ M 222.2 Cryst. (Me₂CO). Mp 246-247°.

Heber, D. *et al*, *J. Het. Chem.*, 1995, **32**, 505.

2-Oxocyclopentaneacetic acid**O-1-00040**

[1460-38-4]

**(R)-form**

$\text{C}_7\text{H}_{10}\text{O}_3$ M 142.1

(R)-form

Oil. Bp₂ 120°. $[\alpha]_D^{23}$ +127 (c, 1.07 in MeOH).

Me ester: [49826-05-3].

$\text{C}_8\text{H}_{12}\text{O}_3$ M 156.1 $[\alpha]_D$ +123.

(±)-form [104115-44-8]Mp 53°. Bp₃ 170-180°.*Me ester:* [135093-95-7].

Bp₁₃ 120°, Bp_{0.03} 90-100°. n_D^{20} 1.4570.

Et ester: [104808-87-9].

$\text{C}_9\text{H}_{14}\text{O}_3$ M 170.2 Liq. Bp₁₃ 123°, Bp₇ 120-130°.

[4934-95-6, 20826-94-2]

Linstead, R.P. *et al*, *J.C.S.*, 1934, 935 (**(±)-form**)

Hashimoto, S. *et al*, *Synth. Commun.*, 1992, **22**, 2722 (**(R)-form**)

4-Oxo-7-decenoic acid**O-1-00041**

$\text{H}_3\text{CCH}_2\text{CH}=\text{CHCH}_2\text{CH}_2\text{COCH}_2\text{CH}_2\text{COOH}$

$\text{C}_{10}\text{H}_{16}\text{O}_3$ M 184.2

(Z)-form [72049-86-6]

Liq.

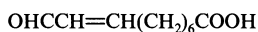
Me ester: [85670-53-7].

$C_{11}H_{18}O_3$ M 198.2 Bp_{0.05} 150°.

Matsuda, I. *et al.*, *J.O.C.*, 1980, **45**, 237 (*synth*)
Ballini, R. *et al.*, *Synth. Commun.*, 1989, **19**, 575
(*Me ester*)
Geraghty, N.W.A. *et al.*, *Synth. Commun.*, 1994,
24, 1351 (*Me ester*)

10-Oxo-8-decenoic acid O-1-00042

9-Formyl-8-nonenic acid
[79868-90-9]



$C_{10}H_{16}O_3$ M 184.2

(*E*)-form [69152-89-2]

Constit. of the mushroom *Agaricus bisporus*. Cryst. (EtOAc). Mp 49-51°.

Me ester: [67803-48-9].

$C_{11}H_{18}O_3$ M 198.2 Liq. Bp_{0.1} 108-113°.

(*Z*)-form [69152-91-6]

Mp 36-40° (impure).

[65114-83-2]

Smith, J.R.L. *et al.*, *Tetrahedron*, 1978, **34**, 1381 (*synth*)

Ranganathan, D. *et al.*, *Tetrahedron*, 1980, **36**, 1869 (*synth, ester*)

Dasaradhi, L. *et al.*, *Synth. Commun.*, 1991, **21**, 183 (*synth, ester*)

Mau, J.L. *et al.*, *Phytochemistry*, 1992, **31**, 4059 (*isol*)

(2-Oxo-1,2-diphenylethyl) phosphonic acid O-1-00043

$C_{14}H_{13}O_4P$ M 276.2

(±)-form

Di-Me ester: Dimethyl (2-oxo-1,2-diphenylethyl)phosphonate

$C_{16}H_{17}O_4P$ M 304.2 Cryst. (butanol). Mp 139.5-140.5°.

Di-Et ester: Diethyl (2-oxo-1,2-diphenylethyl)phosphonate

$C_{18}H_{21}O_4P$ M 332.3 Oil or solid. Mp 175-176°. Bp_{0.5} 184°. n_D^{20} 1.6343.

[22894-32-2, 64196-48-1]

Chiusoli, G.P. *et al.*, *Gazz. Chim. Ital.*, 1977, **107**, 217 (*di-Et ester, synth, ir, ms, pmr*)

Bottin-Strzalko, T. *et al.*, *Bull. Soc. Chim. Fr.*, Part II, 1984, 161 (*di-Et ester, synth, ir, pmr*)

Ronsis, V. *et al.*, *J.O.C.*, 1989, **54**, 627 (*di-Et ester, synth, ms, pmr, cmr*)

Polozov, A.M. *et al.*, *Synthesis*, 1990, 515 (*synth, pmr, P-31 nmr*)

Russell, G.A. *et al.*, *J.O.C.*, 1992, **57**, 6508 (*di-Et ester, synth, ir, ms, pmr, cmr*)

4-Oxododecanoic acid, 9CI O-1-00044

γ -Ketolauric acid

[4144-55-2]



$C_{12}H_{22}O_3$ M 214.3

Needles (heptane). Mp 80-81° (77-78°).

Me ester: [33566-59-5].

$C_{13}H_{24}O_3$ M 228.3 Oil. Bp₂ 128-130°.

Et ester: [59941-35-4].

$C_{14}H_{26}O_3$ M 242.3 Oil. Bp₁ 126-128°.

Nitrile: [73642-86-1]. 1-Cyano-3-undecanone

$C_{12}H_{21}NO$ M 195.3 Bp_{0.1} 111°.

Ponomarev, A.A. *et al.*, *Zh. Obshch. Khim.*, 1962, **32**, 2540; *J. Gen. Chem. USSR (Engl. Transl.)*, 1962, 2505 (*synth*)

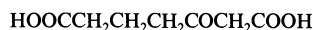
Smith, R.L. *et al.*, *J. Med. Chem.*, 1977, **20**, 1292 (*synth*)

Zav'yalov, S.I. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1989, 2339; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1989, 2152 (*synth, ir, pmr*)

Geraghty, N.W.A. *et al.*, *Synth. Commun.*, 1994, **24**, 1351 (*Me ester, synth*)

3-Oxoheptanedioic acid, 9CI O-1-00045

[1608-78-2]



$C_7H_{10}O_5$ M 174.1

Mp 70-75° dec.

Di-Me ester: [15890-00-3].

$C_9H_{14}O_5$ M 202.2 Bp_{0.5} 120°.

Diethyl ester: [40420-22-2].

$C_{11}H_{18}O_5$ M 230.2 d 1.08. Bp_{0.5} 130-132°.

Aldrich Library of NMR Spectra, 2nd edn., **1**, 583A.

Birkofer, L. *et al.*, *Chem. Ber.*, 1953, **86**, 32 (*synth*)

Thoma, H. *et al.*, *Annalen*, 1983, 1237 (*synth, ir, pmr*)

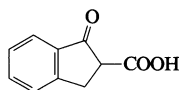
Celerier, J.P. *et al.*, *J. Het. Chem.*, 1988, **25**, 1275 (*synth, ir*)

Schmidt, H.W. *et al.*, *Org. Prep. Proced. Int.*, 1988, **20**, 184 (*synth*)

1-Oxo-2-indanecarboxylic acid O-1-00046

2,3-Dihydro-1-oxo-1H-indene-2-carboxylic acid, 9CI

[6742-29-6]



$C_{10}H_8O_3$ M 176.1

(±)-form

Cryst. Mp 100-101° dec.

Oxime:

$C_{10}H_9NO_3$ M 191.1 Cryst. Mp 143-144°.

Me ester: [22955-77-7].

$C_{11}H_{10}O_3$ M 190.1 Pale yellow oil.

Et ester:

$C_{12}H_{12}O_3$ M 204.2 Oil. Bp₂₀ 185°.

Nitrile: 2-Cyano-1-indanone

$C_{10}H_7NO$ M 157.1 Cryst. (EtOH). Mp 68-69°.

[81526-27-4]

Scheiber, J. *et al.*, *Ber.*, 1914, **47**, 3326 (*synth*)

Johnson, W.S. *et al.*, *J.A.C.S.*, 1945, **67**, 1745 (*synth, nitrile*)

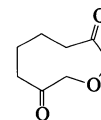
Wiley, R.H. *et al.*, *J.A.C.S.*, 1949, **71**, 2429 (*synth*)

Stiles, M., *J.A.C.S.*, 1959, **81**, 2598 (*synth*)

Matsumura, N. *et al.*, *Nippon Kagaku Kaishi*, 1977, 1344 (*synth*)

Brunner, H. *et al.*, *J. Mol. Catal.*, 1989, **49**, 133 (*Me ester*)

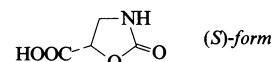
Murphy, J.A. *et al.*, *J.C.S. Perkin 1*, 1993, 405 (*Me ester, synth, ir, pmr, cmr, ms*)

3,8-Oxonanedione O-1-00047

$C_8H_{12}O_3$ M 156.1

Oil.

Brown, D.S. *et al.*, *J.C.S. Perkin 1*, 1995, 1137 (*synth, ir, pmr, cmr, ms*)

2-Oxo-5-oxazolidinecarboxylic acid, 9CI O-1-00048

$C_4H_5NO_4$ M 131.0

(*S*)-form [81130-97-4]

Mp 59-60°. [α]_D²⁵ -6.1 (c, 0.6 in MeOH).

Benzyl ester: [112663-80-6].

$C_{11}H_{11}NO_4$ M 221.2 Cryst.

(EtOAc/diisopropyl ether). Mp 128-130°.

[α]_D²⁵ +3.8 (c, 1.7 in DMF).

(±)-form [60487-08-3]

Cryst. (H₂O). Mp 170-171° dec.

Me ester: [15042-69-0].

$C_5H_7NO_4$ M 145.1 Mp 66-67°.

Nitrile: [15042-67-8]. 2-Oxo-5-oxazolidinecarbonitrile, 8CI. 5-Cyano-2-oxazolidinone

$C_4H_4N_2O_2$ M 112.0 Cryst. (hexane). Mp 94.5-95.5°.

Gundermann, K.-D. *et al.*, *Chem. Ber.*, 1958, **91**, 160 (*synth, ir*)

Foglia, T.A. *et al.*, *J.O.C.*, 1968, **33**, 766 (*Me ester, nitrile*)

Bal'on, Y.G. *et al.*, *Zh. Org. Khim.*, 1980, **16**, 556; *J. Org. Chem. USSR (Engl. Transl.)*, 1980, **16**, 481 (*Me ester, nitrile*)

Maeda, H. *et al.*, *Synthesis*, 1988, 401 (*benzyl ester*)

Misiti, D. *et al.*, *Synth. Commun.*, 1995, **25**, 2285 (*S-form, synth, ir, pmr, cmr*)

4-Oxopentadecanoic acid, 9CI O-1-00049

[109788-69-4]



$C_{15}H_{28}O_3$ M 256.3

Cryst. (hexane or petrol). Mp 92.6°.

Clutterbuck, P.W. *et al.*, *Philos. Trans. R. Soc. London*, 1931, **220B**, 301 (*synth*)

Zav'yalov, S.I. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1987, 667; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1987, 609 (*synth, pmr*)

Ballini, R. *et al.*, *Synthesis*, 1994, 723 (*synth, pmr, ir*)

3-Oxopentanal, 9CI O-1-00050

3-Oxovaleraldehyde, 8CI. 1-Hydroxy-1-penten-3-one



$C_5H_8O_2$ M 100.1

Exists in the enol form in non polar solvents. Polym. readily at r.t. but fairly stable at -80°.

Oxo-form [623-38-1]

1,1-Dimethyl acetal: [31199-03-8]. *1,1-Dimethoxy-3-pentanone, 9CI*
 $C_7H_{14}O_3$ M 146.1 Pale yellow liq.
 Bp₁₀ 83°.

Enol-form [40559-69-1]

Me ether: [65648-57-9]. *1-Methoxy-1-penten-3-one*

$C_6H_{10}O_2$ M 114.1 Oil. Bp₃₀ 92-93°.
 [42731-24-8, 42731-25-9]

Paterson, T. *et al*, *J.C.S. Perkin 1*, 1972, 1041
(synth, pmr, acetal)

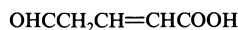
Terpinski, J., *Rocz. Chem.*, 1972, **46**, 1881; 1974,
48, 1413 (*synth, pmr, tautom*)

Harayama, T. *et al*, *Chem. Pharm. Bull.*, 1978,
26, 1201 (*synth, enol ether*)

5-Oxo-2-pentenoic acid, 9CI O-1-00051

γ-Gluutaconaldehydic acid. 4-Formylcrotonic acid

[4568-52-9]



$C_5H_6O_3$ M 114.1

Et ester:

$C_7H_{10}O_3$ M 142.1 Yellow oil.

Et ester, 2,4-dinitrophenylhydrazone: Yellow
 cryst. Mp 147-148°.

Borsche, W. *et al*, *Annalen*, 1933, **505**, 177
(synth)

5-Oxo-3-pentenoic acid, 9CI O-1-00052

α-Gluutaconaldehydic acid. 4-Formyl-3-butenic acid, 8CI

[5809-66-5]



$C_5H_6O_3$ M 114.1

(E)-form

Me ester: [21206-66-6].

$C_6H_8O_3$ M 128.1 Liq. Bp_{0.005} 25°.

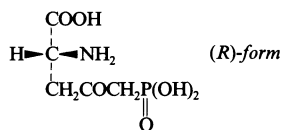
Me ester, 2,4-dinitrophenylhydrazone: Cryst.
 (MeOH aq.). Mp 151-154°.

Pirkle, W.H. *et al*, *J.A.C.S.*, 1969, **91**, 1179
(synth, ir, pmr)

4-Oxo-5-phosphonorvaline, O-1-00053

9CI

2-Amino-4-oxo-5-phosphopentanoic acid



$C_5H_{10}NO_6P$ M 211.1

(R)-form [129938-34-7]

Selective glutamate site antagonist of *N*-methyl-D-aspartic acid. Solid. Mp 154°
 dec. $[\alpha]_D^{20} +4.4$ (c, 1.0 in H₂O).

(S)-form [83972-10-5]

Solid. Mp 155° dec. Inactive as antagonist.

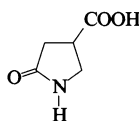
Eur. Pat., 418 863, (1990); *CA*, **115**, 136385e
(synth, pmr)

Whitten, J.P. *et al*, *J. Med. Chem.*, 1990, **33**,
 2963 (*synth*)

Rudishill, D.E. *et al*, *Synthesis*, 1994, 851 (*synth*,
pmr, cmr, P-31 nmr)

5-Oxo-3-pyrrolidinecarboxylic acid, 9CI O-1-00054

[7268-43-1]



$C_5H_7NO_3$ M 129.1

(±)-form [64520-51-0]

Me ester: [35309-35-4].

$C_6H_9NO_3$ M 143.1 Liq.

N-Me: [42346-68-9]. *1-Methyl-4-carboxy-2-pyrrolidone*

$C_6H_9NO_3$ M 143.1 Cryst. (Me₂CO).
 Mp 151-153°.

N-Me, Me ester: [59857-86-2]. *1-Methyl-4-methoxycarbonyl-2-pyrrolidone*

$C_7H_{11}NO_3$ M 157.1 Oil. Mp 13-17°.
 Bp_{0.5} 141-144°.

N-Benzyl, Me ester: [126344-01-2].

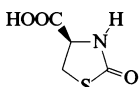
$C_{13}H_{15}NO_3$ M 233.2 Mp 63-66°.

[51535-00-3]

Tsuge, O. *et al*, *Bull. Chem. Soc. Jpn.*, 1986, **59**,
 2537 (*synth, ir, pmr, cmr, ms*)

Sasaki, H. *et al*, *Int. J. Pharm.*, 1988, **44**, 15 (*N-Me derivs, synth, pmr*)

2-Oxo-4-thiazolidinecarboxylic acid O-1-00055



$C_4H_5NO_3S$ M 147.1

(S)-form

L-form

Cubes (H₂O). Sol. EtOH; insol. C₆H₆,
 EtOAc. Mp 171-173° dec. $[\alpha]_D^{20} -59.4$ (c, 2
 in H₂O).

Maclaren, J.A., *Aust. J. Chem.*, 1968, **21**, 1891
(synth)

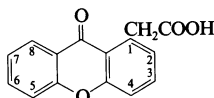
Keszler, D.A. *et al*, *Acta Cryst. C*, 1991, **47**,
 1481 (*cryst struct*)

9-Oxo-9H-xanthene-1-acetic acid, 9CI O-1-00056

9CI

Xanthone-1-acetic acid

[59292-04-5]



$C_{15}H_{10}O_4$ M 254.2

Cryst. Mp 252-254°.

Nitrile: [59292-12-5]. *1-(Cyanomethyl)*

xanthone

$C_{15}H_9NO_2$ M 235.2 Mp 180-190°.

[59292-16-9, 88521-86-2]

Rewcastle, G.W. *et al*, *J. Med. Chem.*, 1989, **32**,
 793 (*synth*)

9-Oxo-9H-xanthene-2-acetic acid, 9CI O-1-00057

9CI

Xanthone-2-acetic acid

[30087-31-1]

$C_{15}H_{10}O_4$ M 254.2

Cryst. Mp 224-226°.

Nitrile: [30087-35-5]. *2-(Cyanomethyl)*

xanthone

$C_{15}H_9NO_2$ M 235.2 Mp 190-191°.

[78096-25-0]

Marona, H. *et al*, *Pol. J. Chem. (Rocz. Chem.)*,
 1980, **54**, 2059 (*synth*)

Rewcastle, G.W. *et al*, *J. Med. Chem.*, 1989, **32**,
 793 (*synth*)

9-Oxo-9H-xanthene-3-acetic acid, 9CI O-1-00058

9CI

Xanthone-3-acetic acid

[118537-75-0]

$C_{15}H_{10}O_4$ M 254.2

Cryst. Mp 149-150°.

Nitrile: [118537-82-9]. *3-(Cyanomethyl)*

xanthone

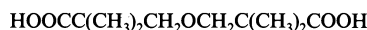
$C_{15}H_9NO_2$ M 235.2 Mp 149-150°.

Rewcastle, G.W. *et al*, *J. Med. Chem.*, 1989, **32**,
 793 (*synth*)

3,3'-Oxybis[2,2-dimethylpropanoic acid], 9CI O-1-00059

2,2,6,6-Tetramethyl-4-oxaheptanedioic acid

[13987-64-9]



$C_{10}H_{18}O_5$ M 218.2

Cryst. (AcOH/petrol). Mp 134-135°.

Di-Et ester: [34506-36-0].

$C_{14}H_{26}O_5$ M 274.3 Liq. Bp_{0.1} 73-75°.

Dinitrile: [152405-31-7].

$C_{10}H_{16}N_2O$ M 180.2 Cryst.

Johnson, P.Y. *et al*, *J.O.C.*, 1973, **38**, 2346

(synth, ir, pmr, ms)

Isaksson, R. *et al*, *J.C.S. Perkin 2*, 1983, 1351

(synth)

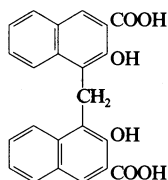
Ferguson, G. *et al*, *Acta Cryst. C*, 1994, **50**, 77

(cryst struct, dinitrile)

P

Pamoic acid

4,4'-Methylenebis[3-hydroxy-2-naphthalenecarboxylic acid], 9CI
[130-85-8]



C₂₃H₁₆O₆ M 388.3

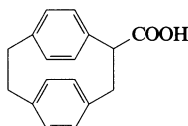
Used to prepare pamoate salts for administration of basic drugs. Cryst.

Barber, H.J. *et al*, *J. Appl. Chem.*, 1952, **2**, 565 (synth)

Kondekar, N. *et al*, *Ind. Eng. Chem. Process Des. Dev.*, 1973, **12**, 135 (synth)

[2.2]Paracyclophane-1-carboxylic acid

Tricyclo[8.2.2.2^{4,7}]hexadeca-4,6,10,12,13,15-hexaene-2-carboxylic acid, 9CI
[10181-82-5]



C₁₇H₁₆O₂ M 252.3

(+)-form [32212-99-0]

Mp 187-188°. [α]_D²⁵ +42.0 (c, 0.56 in CHCl₃).

Me ester: [32213-00-6].

C₁₈H₁₈O₂ M 266.3 Mp 115.5-116.5°. [α]_D²⁵ +49.2 (c, 0.6 in CHCl₃).

(-)-form [32221-47-9]

Mp 187-188°. [α]_D²⁵ -44.1 (c, 0.54 in CHCl₃).

Me ester: Mp 115.5-116.5°. [α]_D²⁵ -51.2 (c, 0.5 in CHCl₃).

(±)-form

Cryst. (EtOH). Mp 187-188°.

Me ester: [32212-98-9].

Cryst. (hexane). Mp 96.5-97.5°.

Nitrile: [100703-43-3]. 1-Cyano[2.2]

paracyclophane

C₁₇H₁₅N M 233.3 Needles. Mp 131°.

Hedaya, E. *et al*, *J.O.C.*, 1967, **32**, 197 (synth, Me ester)

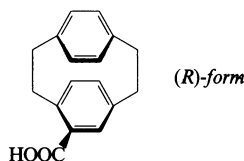
Cram, D.J. *et al*, *J.A.C.S.*, 1970, **92**, 7623; 1972, **94**, 2471 (synth, Me ester)

Hopf, H. *et al*, *Chem. Ber.*, 1986, **119**, 1836 (nitrile)

P-1-00001

[2.2]Paracyclophane-4-carboxylic acid

Tricyclo[8.2.2.2^{4,7}]hexadeca-4,6,10,12,13,15-hexaene-5-carboxylic acid, 9CI
[18931-39-0]



C₁₇H₁₆O₂ M 252.3

(R)-form [108340-94-9]

Plates (AcOH). Mp 211.5-213°. [α]_D²⁰ -175 (c, 0.68 in CHCl₃).

Amide: [28908-13-6].

C₁₇H₁₇NO M 251.3 Needles (CHCl₃). Mp 179-181°. [α]_D²¹ -135.5 (c, 1 in CHCl₃).

(S)-form [19776-83-1]

Plates (AcOH). Mp 212-214°. [α]_D²⁰ +170 (c, 0.5 in CHCl₃).

(±)-form [20586-49-6]

Needles (AcOH aq.). Mp 223.5-224.5°.

Me ester: [147049-45-4].

C₁₈H₁₈O₂ M 266.3 Mp 132°.

Amide: [28908-14-7].

Cubes. Mp 215-216.5°.

Nitrile: 4-Cyano[2.2]paracyclophane

C₁₇H₁₅N M 233.3 Cryst. (CHCl₃). Mp 123-124°.

[1438-68-2, 10029-01-3]

Cram, D.J. *et al*, *J.A.C.S.*, 1955, **77**, 6289; 1963, **85**, 1075 (synth, amide, nitrile)

Matsuo, H. *et al*, *Chem. Pharm. Bull.*, 1970, **18**, 1693 (amide, synth)

Falk, H. *et al*, *Tetrahedron*, 1970, **26**, 511 (abs config)

Marshall, J.L. *et al*, *Tetrahedron*, 1981, **37**, 1271 (synth)

Tochtermann, W. *et al*, *Chem. Ber.*, 1987, **120**, 1523 (abs config)

Sutler, J.K. *et al*, *J. Polym. Sci., Part A: Polym. Chem.*, 1991, **29**, 1917 (synth, pmr, cmr)

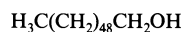
Ernst, L., *Annalen*, 1995, **13** (nitrile, conformn)

P-1-00002

1-Pentacontanol

Acalyphol

[40710-43-8]



C₅₀H₁₀₂O M 719.3

Ac: [112515-71-6]. Acalyphol acetate

C₅₂H₁₀₄O₂ M 761.3 Constit. of the leaves of *Acalypha indica*. Mp 75-76°.

Dawson, I.M. *et al*, *Proc. R. Soc. London, Ser. A*, 1957, **239**, 349.

Ral, A. *et al*, *Chem. Scr.*, 1973, **3**, 125 (ms)

Manzoor-i-Khuda, M. *et al*, *Bangladesh J. Sci. Ind. Res.*, 1985, **20**, 171 (isol, acetate)

P-1-00003

1,16-Pentacosadiene

[99461-72-0]



C₂₅H₄₈ M 348.6

(E)-form [104899-44-7]

Isol. from the green alga *Botryococcus braunii*.

(Z)-form [104899-39-0]

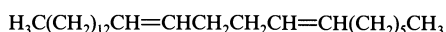
Isol. from *B. braunii*.

Metzger, P. *et al*, *Phytochemistry*, 1986, **25**, 1869; 1993, **33**, 1125 (isol, pmr, cmr)

P-1-00005

7,11-Pentacosadiene

[100462-57-5]



C₂₅H₄₈ M 348.6

(Z,Z)-form [127599-39-7]

Pheromone of *Drosophila melanogaster*. Oil.

Davis, T.L. *et al*, *Synthesis*, 1989, 936 (synth)

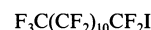
P-1-00006

1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentacosafuoro-12-iodododecane, 9CI

Pentacosafuoro-1-iodododecane, 8CI.

Perfluorododecyl iodide

[307-60-8]



C₁₂F₂₅I M 745.9

Mp 99-101°. Bp₁₈ 108-110°.

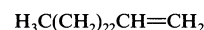
Aldrich Library of FT-IR Spectra, 1st edn., **1**, 92B.

Haszeldine, R.N., *J.C.S.*, 1953, 3761 (synth)

1-Pentacosene

[16980-85-1]

P-1-00008



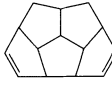
C₂₅H₅₀ M 350.6

Isol. from the alga *Botryococcus braunii* and various plant spp. Fp 48.7°. Bp₃₀ 271.2°.

Dreibach, R.R., *Adv. Chem. Ser.*, 1959, **22**, 390 (props)

MacLeod, G., *Phytochemistry*, 1990, **29**, 1197 (isol)

Metzger, P., *Phytochemistry*, 1993, **33**, 1125 (isol)

- Pentacyclo [5.4.2^{1,7}.1^{3,6}.0^{10,13}.0^{12,14}]tetradeca-4,8-diene** **P-1-00009**
1,1a,3a,3b,5a,5b,6,6a,6b,6c-Decahydrocyclopenta[cd]pentaleno[2,1,6-gha]pentalene, 9CI
 [155787-78-3]
- 
- $C_{14}H_{16}$ M 184.2
 Cryst. Mp 102-104°. Unstable in air. The cryst. struct. detn. was on a tetrabromo deriv.
 Mitsudo, T. *et al*, *Chem. Comm.*, 1994, 435 (*synth, ir, pmr, cmr, cryst struct*)
- 3,6-Pentadecadien-1-ol** **P-1-00010**
 $H_3C(CH_2)_7CH=CHCH_2CH=CHCH_2CH_2OH$
 $C_{15}H_{28}O$ M 224.3
 (3*Z*,6*Z*)-form [130727-72-9]
 Oil.
 Datcheva, V.K. *et al*, *J.A.C.S.*, 1991, 113, 270 (*synth, ir, pmr, cmr*)
 Butler, P.I. *et al*, *J.C.S. Perkin I*, 1994, 1503 (*synth, pmr*)
- 1,15-Pentadecanediol, 9CI** **P-1-00011**
 [14722-40-8]
 $HOCH_2(CH_2)_{13}CH_2OH$
 $C_{15}H_{32}O_2$ M 244.4
 Cryst. (C_6H_6). Mp 87-88°. *Chuit, P. et al, Helv. Chim. Acta*, 1926, 9, 264; 1929, 12, 850 (*synth*)
U.K. Pat., 803 178, (1959); *CA*, 53, 6985g (*synth*)
 Polyakova, S.G. *et al*, *Zh. Obshch. Khim.*, 1964, 34, 565; *J. Gen. Chem. USSR (Engl. Transl.)*, 1964, 566 (*synth*)
- 1-Pentadecyne, 9CI** **P-1-00012**
 [765-13-9]
 $H_3C(CH_2)_{12}C\equiv CH$
 $C_{15}H_{28}$ M 208.3
 Oil. d_4^{20} 0.83. Mp 15°. Bp₃₀ 158°. n_D^{20} 1.4422.
 Ryden, L.L. *et al*, *J.A.C.S.*, 1937, 59, 1014 (*synth*)
 Elsner, B.B. *et al*, *J.C.S.*, 1951, 893 (*synth*)
 Gigg, J. *et al*, *J.C.S.(C)*, 1966, 1882 (*synth*)
 Gal, A.E., *J. Labelled Compd.*, 1967, 3, 112 (*synth, ir*)
 Feldhues, M. *et al*, *Tetrahedron*, 1985, 41, 4213 (*synth, ir, pmr, ms*)
- 10-Pentadecyn-1-ol, 9CI** **P-1-00013**
 [68381-03-3]
 $H_3C(CH_2)_3C\equiv C(CH_2)_8CH_2OH$
 $C_{15}H_{28}O$ M 224.3
 Oil. Bp_{2.25} 150-152°. n_D^{23} 1.4615.
 Ebata, T. *et al*, *Agric. Biol. Chem.*, 1979, 43, 1567 (*synth, ir, pmr*)
 Svirskaia, P. *et al*, *J. Chem. Eng. Data*, 1979, 24, 152 (*synth, ir, pmr*)
- Hoskovec, M. *et al*, *Coll. Czech. Chem. Comm.*, 1990, 55, 2270 (*synth, pmr, cmr*)
 Pfeifer, J. *et al*, *Annalen*, 1995, 131 (*synth, ir, pmr, cmr*)
- (Pentafluorophenoxy)acetic acid, 9CI, 8CI** **P-1-00014**
 [14892-14-9]
 $(C_6F_5)OCH_2COOH$
 $C_8H_3F_5O_3$ M 242.1
 Cryst. (petrol). Mp 108-110°. *Benzylthiouronium salt*: Cryst. (EtOH). Mp 168-169°. *Me ester*: [21417-50-5]. $C_9H_3F_5O_3$ M 256.1 Bp₅ 97-99°. *Et ester*: $C_{10}H_7F_5O_3$ M 270.1 Bp_{0.1} 56-57°. Brooke, G.M. *et al*, *J.C.S.(C)*, 1967, 869 (*synth*)
 Abezgauz, F.I. *et al*, *Zh. Obshch. Khim.*, 1968, 38, 2502; *J. Gen. Chem. USSR (Engl. Transl.)*, 1968, 38, 2418 (*synth*)
 Mak, T.C.W. *et al*, *Aust. J. Chem.*, 1988, 41, 683 (*synth, cryst struct*)
- 2,2,3,3,3-Pentafluoro-1-phenyl-1-propanone** **P-1-00015**
Pentafluoroethyl phenyl ketone. Benzoylpentafluoroethane
 [394-52-5]
 $PhCOCF_2CF_3$
 $C_9H_5F_5O$ M 224.1
 d_4^{25} 1.37. Bp 161°. n_D^{25} 1.4245.
2,4-Dinitrophenylhydrazine: Mp 119-120° (111.8-112.4°).
 Simons, J.H. *et al*, *J.A.C.S.*, 1953, 75, 5621 (*synth*)
 McBee, E.T. *et al*, *J.A.C.S.*, 1955, 77, 917 (*synth*)
 Dishart, K.T. *et al*, *J.A.C.S.*, 1956, 78, 2268 (*synth*)
 Griffin, C.E., *Spectrochim. Acta*, 1960, 16, 1464 (*ir*)
- 2-(Pentafluorophenyl)ethanol** **P-1-00016**
2,3,4,5,6-Pentafluorobenzeneethanol, 9CI. 2,3,4,5,6-Pentafluorophenethyl alcohol, 8CI
 [653-31-6]
 $(C_6F_5)CH_2CH_2OH$
 $C_8H_5F_5O$ M 212.1
 Bp₁₆ 104°. n_D^{20} 1.4508.
3,5-Dinitrobenzoyl: Cryst. (EtOH). Mp 94-95°. Barbour, A.K. *et al*, *J.C.S.*, 1961, 808.
 Vorozhtsov, N.N. *et al*, *Tet. Lett.*, 1964, 3575 (*synth, uv*)
- 3-(Pentafluorophenyl)propanoic acid** **P-1-00017**
2,3,4,5,6-Pentafluorobenzenepranoic acid. 2,3,4,5,6-Pentafluorohydrocinamic acid
 [2002-94-0]
 $(C_6F_5)CH_2CH_2COOH$
 $C_9H_3F_5O_2$ M 240.1
 Cryst. (H_2O). Mp 95-96°. Brooke, G.M. *et al*, *J.C.S.*, 1961, 808 (*synth*)
 Fuchikami, T. *et al*, *J.O.C.*, 1983, 48, 3803 (*synth, pmr, ir, ms, F-19 nmr*)
- 2,2,3,3,3-Pentafluoro-1-propylamine** **P-1-00018**
3-Amino-1,1,1,2,2-pentafluoropropane
 [422-03-7]
 $F_3CCF_2CH_2NH_2$
 $C_3H_4F_5N$ M 149.0
 d 1.40. Bp 49-50° (38°). n_D^{20} 1.297.
Hydrochloride: [374-14-1]. Mp 248°. *N-Formyl*: $C_4H_4F_5NO$ M 177.0 d 1.47. Bp₈ 81-83°. n_D^{25} 1.3439.
 Husted, D.R. *et al*, *J.A.C.S.*, 1953, 75, 1605 (*synth*)
 Haszeldine, R.N. *et al*, *J.C.S.*, 1953, 1548 (*synth*)
 Dannley, R.L. *et al*, *J.O.C.*, 1956, 21, 1318 (*deriv*)
 Cohen, W.V., *J.O.C.*, 1961, 26, 4021 (*synth*)
- Pentafluorovinylbenzene** **P-1-00019**
Ethylpentafluorobenzene, 9CI. 2,3,4,5,6-Pentafluorostyrene, 8CI
 [653-34-9]
 $(C_6F_5)CH=CH_2$
 $C_8H_3F_5$ M 194.1
 d 1.41. Bp 140-141°, Bp₅₀ 62-63°. n_D^{20} 1.45.
 [64253-83-4, 102685-91-6]
Aldrich Library of FT-IR Spectra, 1st edn., 3, 953A.
Aldrich Library of NMR Spectra, 2nd edn., 1, 818C.
 Nield, E. *et al*, *J.C.S.*, 1959, 166 (*synth*)
 Bruce, M.I., *J.C.S.(A)*, 1968, 1459 (*F-19 nmr*)
 Green, J.H.S. *et al*, *Spectrochim. Acta A*, 1977, 33, 423 (*ir, Raman*)
 Nyquist, R.A., *Appl. Spectrosc.*, 1986, 40, 196 (*ir*)
 Rempel, D.L. *et al*, *Anal. Chem.*, 1989, 61, 749 (*ms*)
- 2-Pentanethiol, 9CI** **P-1-00020**
2-Mercaptopentane
 [2084-19-7]
 $H_3CCH_2CH_2CH(SH)CH_3$
 $C_5H_{12}S$ M 104.2
 (±)-form
 Liq. Bp 112°. Levene, P.A. *et al*, *J. Biol. Chem.*, 1927, 75, 593 (*synth*)
 Levy, E.J. *et al*, *Anal. Chem.*, 1961, 33, 707 (*ms*)
- 3-Pentanethiol** **P-1-00021**
3-Mercaptopentane
 [616-31-9]
 $(H_3CCH_2)_2CHSH$
 $C_5H_{12}S$ M 104.2
 Liq. Bp 112-113°. Asinger, F. *et al*, *Annalen*, 1959, 627, 195 (*synth*)
 Levy, E.C. *et al*, *Anal. Chem.*, 1961, 33, 707 (*ms*)
 Broer, W.J. *et al*, *Org. Mass Spectrom.*, 1979, 14, 36 (*synth*)

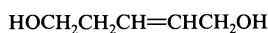
Pentaphenyltriphosphine, 9Cl, P-1-00022
8Cl
 [5748-54-9]



$\text{C}_{30}\text{H}_{25}\text{P}_3$ M 478.4
 Ligand for Fe, Mo, Pt. Cryst. (Et_2O). Mp 95-96°.

Schumann, H. *et al*, *J. Organomet. Chem.*, 1970, **24**, 183 (*synth, ir, Raman*)

2-Pentene-1,5-diol P-1-00023



$\text{C}_5\text{H}_{10}\text{O}_2$ M 102.1

(*E*)-form

Bp_{0.07} 86°. May cont. (*Z*)-isomer.

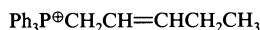
(*Z*)-form [27354-43-4]

Oil.

Bajorek, J.J.S. *et al*, *J.C.S. Perkin 1*, 1974, 1243 (*E*-form)

Procopiou, P.A. *et al*, *J.C.S. Perkin 1*, 1994, 1773 (*Z*-form)

2-Pentyltriphenylphosphonium(1+) P-1-00024



$\text{C}_{23}\text{H}_{24}\text{P}^+$ M 331.4 (ion)

(*E*)-form

Bromide: [7348-72-3].

$\text{C}_{23}\text{H}_{24}\text{BrP}$ M 411.3 Solid. Mp 198-200°.

(*Z*)-form

Bromide: [7348-79-0].

Cryst. ($\text{CH}_2\text{Cl}_2/\text{C}_6\text{H}_6$). Mp 160-163°.

Daradics, L. *et al*, *J. Prakt. Chem.*, 1987, **329**, 277 (*synth, ir, use*)

Ideses, R. *et al*, *Tetrahedron*, 1989, **45**, 3523 (*synth, pmr*)

3-Pentyltriphenylphosphonium(1+) P-1-00025



$\text{C}_{23}\text{H}_{24}\text{P}^+$ M 331.4 (ion)

(*E*)-form

Bromide: [53143-96-7].

$\text{C}_{23}\text{H}_{24}\text{BrP}$ M 411.3 Solid. Mp 124°. With Me_3SiNa → ylide, *synth. in situ*.

[120593-09-1]

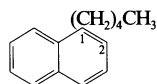
Bestmann, H.J. *et al*, *Annalen*, 1982, 536.

1-Pentyl-naphthalene P-1-00026

1-Amylnaphthalene. 1-(1-Naphthalenyl)

pentane

[86-89-5]



$\text{C}_{15}\text{H}_{18}$ M 198.3

Liq. d_4^{20} 0.966. Fp -22°. Bp 307°, Bp₁ 112°. n_D^{23} 1.5725.

Adv. Chem. Ser., 1955, **15**, 222 (*props*)

2-Pentyl-naphthalene P-1-00027

2-Amylnaphthalene. 1-(2-Naphthalenyl)

pentane

[93-22-1]

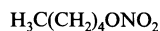
$\text{C}_{15}\text{H}_{18}$ M 198.3

Liq. d_4^{20} 0.956. Fp -4°. Bp 310°, Bp₁ 113.2°. n_D^{20} 1.5694.

Adv. Chem. Ser., 1955, **15**, 223 (*props*)

Pentyl nitrate P-1-00028

[1002-16-0]



$\text{C}_5\text{H}_{11}\text{NO}_3$ M 133.1

Liq. d_4^{20} 0.996. Bp 157°, Bp₇₀ 74-76°.

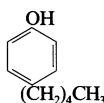
Suzuki, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 65 (*ms*)

Olah, G.A. *et al*, *Synthesis*, 1993, 207 (*synth, cmr*)

4-Pentylphenol, 9Cl P-1-00029

p-Amylphenol

[14938-35-3]



$\text{C}_{11}\text{H}_{16}\text{O}$ M 164.2

Liq. Fp 23°. Bp 250.5°, Bp₁ 83.3°. n_D^{20} 1.5272.

Sondulesco, G. *et al*, *Bull. Soc. Chim. Fr.*, 1930, **47**, 1300 (*synth*)

Niederl, J.B. *et al*, *J.A.C.S.*, 1937, **54**, 1113

(*synth*)

Adv. Chem. Ser., 1955, **15**, 298 (*props*)

Ivanovskaya, L.Yu. *et al*, *Zh. Org. Khim.*, 1968, **4**, 1227; *CA*, **69**, 106079x (*synth*)

Gorfinkel, M. *et al*, *Org. Mass Spectrom.*, 1969, **2**, 273 (*ms*)

Perfluoro-12-crown-4 P-1-00030

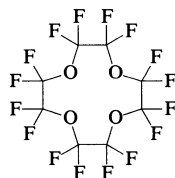
2,2,3,3,5,5,6,6,8,8,9,9,11,11,12,12-

Hexadecafluoro-1,4,7,10-

tetraoxacyclododecane, 9Cl. Hexadecafluoro-

12-crown-4

[97571-68-1]



$\text{C}_8\text{F}_{16}\text{O}_4$ M 464.0

Fp -64°. Bp 118°.

Lin, W.-H. *et al*, *Pure Appl. Chem.*, 1988, **60**, 473 (*synth, F-19 nmr, cmr, ms, ir*)

Lin, T.Y. *et al*, *J.A.C.S.*, 1994, **116**, 5172 (*synth, cmr, F-19 nmr, ms*)

Perfluoro-15-crown-5 P-1-00031

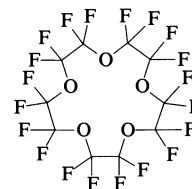
2,2,3,3,5,5,6,6,8,8,9,9,11,11,12,12,14,14,15,15-

Eicosafuoro-1,4,7,10,13-

pentaoxacyclopentadecane, 9Cl. Eicosafuoro-

15-crown-5. Icosafuoro-15-crown-5

[97571-69-2]



$\text{C}_{10}\text{F}_{20}\text{O}_5$ M 580.0

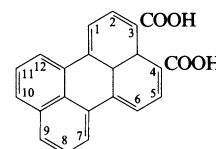
Fp -11.5°. Bp 146°.

Lin, W.-H. *et al*, *Pure Appl. Chem.*, 1988, **60**, 473 (*synth, F-19 nmr, cmr, ir, ms*)

Lin, T.Y. *et al*, *J.A.C.S.*, 1994, **116**, 5172 (*synth, cmr, F-19 nmr, ms*)

3,4-Perylenedicarboxylic acid, 9Cl P-1-00032

[165261-56-3]



$\text{C}_{22}\text{H}_{12}\text{O}_4$ M 340.3

Cryst. (as di-K salt). Mp >250° (di-K salt).

Salts and esters display strong solid-state fluorescence.

Di-Me ester: [165261-55-2].

$\text{C}_{24}\text{H}_{16}\text{O}_4$ M 368.3 Yellow-orange powder. Mp 256-257°.

Dipropyl ester:

$\text{C}_{28}\text{H}_{24}\text{O}_4$ M 424.4 Yellow cryst. Mp 253°.

Anhydride: [117364-74-6]. 1H,3H-Perylo[3,4-cd]pyran-1,3-dione, 9Cl

$\text{C}_{22}\text{H}_{10}\text{O}_3$ M 322.3 Red solid. Mp >260°.

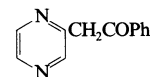
Feiler, L. *et al*, *Annalen*, 1995, 1229.

Phenacylpyrazine P-1-00033

1-Phenyl-2-pyrazinylethanone, 9Cl.

(Benzoylmethyl)pyrazine

[40061-45-8]



$\text{C}_{12}\text{H}_{10}\text{N}_2\text{O}$ M 198.2

Mp 82-83°.

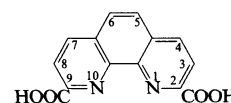
Behun, J.D. *et al*, *J.A.C.S.*, 1959, **81**, 5157

(*synth*)

More O'Ferrall, R.A. *et al*, *J.C.S. Perkin 2*, 1994, 2461, 2471 (*pmr, cmr, tautom*)

1,10-Phenanthroline-2,9-dicarboxylic acid P-1-00034

[57709-61-2]



C₁₄H₈N₂O₄ M 268.2

Photosensitizer.

Monohydrate: Mp 238° dec.*Dichloride*: [84670-37-1].C₁₄H₆Cl₂N₂O₂ M 305.1 Yellow solid (toluene). Mp 227-228° dec.*Diamide*: [145058-23-7].C₁₄H₁₀N₄O₂ M 266.2 Light yellow solid. Mp > 300°.*Dinitrile*: [57709-63-4]. 2,9-Dicyano-1,10-

phenanthroline

C₁₄H₆N₄ M 230.2 Mp > 300°.Deady, L.W. *et al*, *J. Het. Chem.*, 1981, **18**, 599 (synth, ir, ms, pmr, C-13 nmr)Mäkelä, M. *et al*, *Synth. Commun.*, 1992, **22**, 2811 (*diamide, dinitrile*)**1,10-Phenanthroline-4,7-dicarboxylic acid** P-1-00035

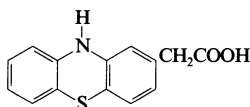
[31301-31-2]

C₁₄H₈N₂O₄ M 268.2

Cryst. Not characterised.

Di-Me ester: [142593-09-7].C₁₆H₁₂N₂O₄ M 296.2 Yellow plates + 1H₂O (EtOH). Mp 213-214°.Czuchajowski, L. *et al*, *J. Het. Chem.*, 1991, **28**, 7 (synth)**10H-Phenothiazine-2-acetic acid, 9CI** P-1-00036

[20965-69-9]

C₁₄H₁₁NO₂S M 257.3

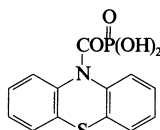
Cryst. (EtOH). Mp 156-157°.

Me ester: [25238-71-5].C₁₅H₁₃NO₂S M 271.3 Small light-yellow cryst. (MeOH). Mp 106-108°.N-*Me*: [13993-65-2]. 10-Methyl-10H-phenothiazine-2-acetic acid, 9CI. **Metiazinic acid**, INN, JAN. Ambrunrate. Novartril. RP 16091. Many other namesC₁₅H₁₃NO₂S M 271.3

Antiinflammatory, analgesic, antirheumatic. Mp 146°.

▶ LD₅₀ (rat, orl) 495 mg/kg. Exp. reprod. and teratogenic effects. SN5100000.Massie, S.P. *et al*, *J.O.C.*, 1956, **21**, 1006 (synth)Julou, L. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1193, 1198, 1207, 12 (Metiazinic acid)Juby, P.F. *et al*, *Annu. Rep. Med. Chem.*, 1972, 7, 208 (Metiazinic acid, rev)Kitagawa, H. *et al*, *Jpn. J. Pharmacol.*, 1975, 25, 1 (Metiazinic acid)Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, London, 1993, 24.Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, Berlin, 1994, 4430 (synonyms)Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th Ed., Van Nostrand-Reinhold, 1992, MNQ500.**(10-Phenothiazinecarbonyl) phosphonic acid** P-1-00037

(10H-Phenothiazin-10-ylcarbonyl)phosphonic acid

C₁₃H₁₀NO₄PS M 307.2*Di-Me ester*: [39593-77-6]. Dimethyl (10-

phenothiazinecarbonyl)phosphonate

C₁₅H₁₄NO₄PS M 335.3 Cryst.

(petrol). Mp 113-114°.

Di-Et ester: [39593-78-7]. Diethyl (10-

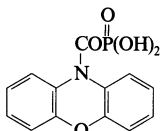
phenothiazinecarbonyl)phosphonate

C₁₇H₁₈NO₄PS M 363.3 Cryst.

(petrol). Mp 127-128°.

Yarmukhametova, D.Kh. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1972, 2634; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1972, 2652.**(10-Phenoxazinecarbonyl) phosphonic acid** P-1-00038

(10H-Phenoxazin-10-ylcarbonyl)phosphonic acid

C₁₃H₁₀NO₃P M 291.1*Di-Me ester*: [39593-72-1]. Dimethyl (10-

phenoxazinecarbonyl)phosphonate

C₁₅H₁₄NO₃P M 319.2 Cryst. Mp 80-

82°.

Di-Et ester: [39593-73-2]. Diethyl (10-

phenoxazinecarbonyl)phosphonate

C₁₇H₁₈NO₃P M 347.3 Cryst. Mp 114-

115°.

Dipropyl ester: [39593-74-3]. Dipropyl (10-

phenoxazinecarbonyl)phosphonate

C₁₉H₂₂NO₃P M 375.3 Cryst. Mp 64-

66°.

Diisopropyl ester: [39593-75-4]. Diisopropyl

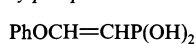
(10-phenoxazinecarbonyl)phosphonate

C₁₉H₂₂NO₃P M 375.3 Cryst. Mp 88-

89°.

Yarmukhametova, D.Kh. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1972, 2364; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1972, 2652 (synth, ir)**(2-Phenoxyethenyl) phosphonous acid, 9CI** P-1-00039

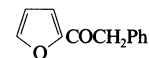
2-Phenoxyvinylphosphonous acid

C₈H₉O₃P M 184.1*Di-Et ester*: [37916-80-6]. Diethyl (2-

phenoxyethenyl)phosphonite

C₁₂H₁₇O₃P M 240.2 Liq. d₄²⁰ 1.06.Bp_{2.5} 107-108°. n_D²⁰ 1.5228.*Dichloride*: [21722-84-9].C₈H₇Cl₂OP M 221.0 Liq. d₄²⁰ 1.30.Bp₃ 93-99°, Bp₂ 150-152°. n_D²⁰ 1.5976.Foss, V.L. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1962, **146**, 1106; *Dokl. Chem. (Engl. Transl.)*, 1962, **146**, 906.Ratovskii, G.V. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1970, **190**, 1124; *Dokl. Chem. (Engl. Transl.)*, 1970, **190**, 147 (ir)Dorokhova, V.V. *et al*, *Zh. Obshch. Khim.*, 1973, **43**, 2172; *J. Gen. Chem. USSR (Engl. Transl.)*, 1973, **43**, 2164 (dichloride, uv, Raman, theory)Rozinov, V.G. *et al*, *Zh. Obshch. Khim.*, 1982, **52**, 1994; *J. Gen. Chem. USSR (Engl. Transl.)*, 1982, **52**, 1772 (dichloride, synth, P-31 nmr)Timokhin, B.V. *et al*, *Zh. Obshch. Khim.*, 1983, **53**, 291; *J. Gen. Chem. USSR (Engl. Transl.)*, 1983, **53**, 252 (dichloride, synth, pmr, P-31 nmr)**2-(Phenylacetyl)furan** P-1-00040

1-(2-Furanyl)-2-phenylethanone

C₁₂H₁₀O₂ M 186.2Mp 47° (40°). pK_a 14.38 (25°, NaOH aq.).Borsche, W. *et al*, *Ber.*, 1938, **71**, 957.Fontana, A. *et al*, *J.C.S. Perkin 2*, 1994, 2453

(synth, pmr, tautom)

(Phenylacetyl)phosphonic acid P-1-00041

(1-Oxo-2-phenylethyl)phosphonic acid, 9CI.

Phenacetylphosphonic acid

[67532-95-0]

C₈H₉O₄P M 200.1

Visc. oil.

Di-Me ester: [51463-66-2]. Dimethyl

(phenylacetyl)phosphonate

C₁₀H₁₃O₄P M 228.1 Liq. Bp_{0.1} 125°.*Di-Me ester, 4-methylbenzenesulfonylhydrazone*: Solid. Mp 125-126°.*Diisopropyl ester, oxime*:C₁₄H₂₂NO₄P M 299.3 Cryst.(CCl₄/hexane). Mp 95-96°.*Dibenzyl ester: Dibenzyl (phenylacetyl)*

phosphonate

C₂₂H₂₁O₄P M 380.3 Cryst. (CCl₄).

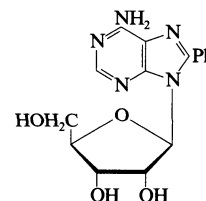
Mp 118-119°.

Dibenzyl ester, 2,4-dinitrophenylhydrazone:

Solid. Mp 107-109°, Mp 126-128°.

Cohen, H. *et al*, *Can. J. Chem.*, 1974, **52**, 66 (di-Me ester, deriv, ir, pmr)Khomitov, R.M. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1978, 1391; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1978, 1210 (esters, ir, pmr)Zoň, J., *Synthesis*, 1984, 661 (synth, ir, pmr)**8-Phenyladenosine** P-1-00042

[73340-78-0]

C₁₆H₁₇N₅O₄ M 343.3

Hygroscopic solid (as hemihydrate).

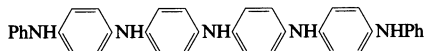
C6ng-Danh, N. *et al*, *Tet. Lett.*, 1979, 3159

(synth, pmr, cmr)

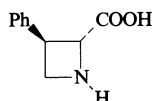
Verlinde, C.L.M.J. *et al*, *J. Med. Chem.*, 1994, 37, 3605 (synth, uv, pmr, cmr, ms)**N-[4-(Phenylamino)phenyl]-N'-[4-[[4-(phenylamino)phenyl]amino]phenyl]-1,4-benzenediamine, 9CI**

N-Phenylpentaaniline

[75145-32-3]

 $C_{36}H_{31}N_5$ M 533.6

Microscopic silver-white cryst. Mp 280-281°.

Ochi, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1994, 67, 1749.**3-Phenyl-2-azetidinecarboxylic acid, 9CI**(2*RS*,3*RS*)-form $C_{10}H_{11}NO_2$ M 177.2(2*RS*,3*RS*)-form
(±)-trans-form

Hydrochloride: [158980-44-0].

Solid. Mp 193-194°.

tert-Butyl ester: [158980-52-0].

 $C_{14}H_{19}NO_2$ M 233.3 Solid (as hydrochloride). Mp 146-148°.(2*RS*,3*SR*)-form
(±)-cis-form

Hydrochloride: [158980-45-1].

Solid. Mp 224-226°.

tert-Butyl ester: [158980-53-1].

Solid (as hydrochloride). Mp 149-151°.

Blythin, D.J. *et al*, *J.O.C.*, 1994, 59, 6098

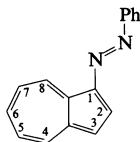
(synth, pmr)

1-(Phenylazo)azulene

P-1-00045

1-Azulenylphenyldiazene, 9CI. Azulene-1-azobenzene, 8CI

[7206-62-4]

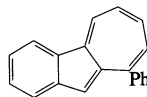
 $C_{16}H_{12}N_2$ M 232.2

(E)-form

Brown needles (hexane). Mp 121°.

Anderson, A.G. *et al*, *J.A.C.S.*, 1953, 75, 4980 (synth)Briquet, A.A.S. *et al*, *Helv. Chim. Acta*, 1994, 77, 1577 (synth, uv, ir, pmr)**9-Phenylbenz[a]azulene**

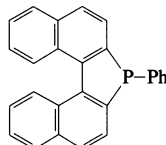
P-1-00046

 $C_{20}H_{14}$ M 254.3

Dark blue needles. Mp 91.5-92.5°.

Sperandio, D. *et al*, *Helv. Chim. Acta*, 1995, 78, 765 (synth, ir, uv, pmr, cmr)**7-Phenyl-7*H*-benzo[e]naphtho[2,1-*b*]phosphindole, 9CI**

P-1-00047

 $C_{26}H_{17}P$ M 360.3

Monodentate ligand with helical chirality.

Undergoes spont. resoln. during cryst.

(R)-form

Pale yellow cryst (EtOH). Mp 157.5-159°.

Methiodide: [156747-88-5]. 7-Methyl-7-phenylbenzo[e]naphtho[2,1-*b*]phosphindolium iodide $C_{27}H_{20}IP$ M 502.3 Cryst. (CH₂Cl₂/Et₂O). Mp 191-195°.Ethiodide: [156747-89-6]. 7-Ethyl-7-phenylbenzo[e]naphtho[2,1-*b*]phosphindolium iodide $C_{28}H_{22}IP$ M 516.3 Cryst. (CH₂Cl₂/Et₂O). Mp 187-189°.(±)-form [149639-52-1]
Solid. Mp 157-158° (this may be that of the (R)-form).

7-Oxide: [156633-49-7].

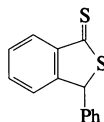
 $C_{26}H_{17}OP$ M 376.3 Yellow cryst.

(EtOAc). Mp 263-264° (may be of the resolved form).

[156854-50-1]

Dore, A. *et al*, *Chem. Comm.*, 1993, 1124 (synth, ms, pmr, P-31 nmr)Watson, A.A. *et al*, *J. Organomet. Chem.*, 1993, 445, 71 (synth, pmr)Tani, K. *et al*, *Acta Cryst. C*, 1994, 50, 769 (cryst struct)Tani, K. *et al*, *J. Organomet. Chem.*, 1994, 469, 229 (oxide, ir, uv, pmr, cmr, complexes)Gladiali, S. *et al*, *J. Organomet. Chem.*, 1994, 475, 307 (complexes)Fabbri, D. *et al*, *Synth. Commun.*, 1994, 24, 1271 (derivs, ms, pmr, cmr)**3-Phenylbenzo[*c*]thiophene-1(3*H*)-thione**

P-1-00048

 $C_{14}H_{10}S_2$ M 242.3

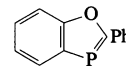
(±)-form

Cryst. Mp 93-94°.

Nishio, T., *J.C.S. Perkin 1*, 1995, 561 (synth, ir, pmr, cmr)**2-Phenyl-1,3-benzoxaphosphole**

P-1-00049

[105865-34-7]

 $C_{13}H_9OP$ M 212.1Liq. Bp_{0.07} 124-126°.Heinicke, J. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1985, 25, 345 (synth, ms, uv, cmr, P-31 nmr)**1-Phenylbicyclo[2.2.1]heptane, 9CI**

P-1-00050

1-Phenylbornane

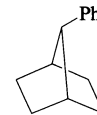
[24892-79-3]

 $C_{13}H_{16}$ M 172.2Light yellow oil. Bp₁₆ 124-128°, Bp₆ 65-70°.Kleinfelder, D.C. *et al*, *J.O.C.*, 1961, 26, 3740 (synth, pmr)Olah, G.A. *et al*, *J.A.C.S.*, 1993, 115, 10728 (synth, pmr, cmr, ms)**7-Phenylbicyclo[2.2.1]heptane**

P-1-00051

7-Phenylbornane

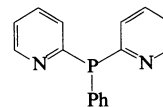
[24892-78-2]

 $C_{13}H_{16}$ M 172.2Liq. Bp₂ 90-92°.Olah, G.A. *et al*, *J.O.C.*, 1994, 59, 2590 (synth, pmr, cmr, ms)**Phenylbis(2-pyridinyl)phosphine**

P-1-00052

2,2'-(Phenylphosphinidene)bispyridine

[68469-71-6]

 $C_{16}H_{13}N_2P$ M 264.2

Ligand for Mo, Ru, Os, Pd. Cryst.

(EtOH/petrol). Mp 96°. Bp_{0.1} 160°.

Dihydrochloride: Solid. Mp 185-187° sinters at 100°.

Monomethiodide:

 $C_{17}H_{16}IN_2P$ M 406.2 Solid. Mp 134-135°.

P-Oxide: [68469-77-2]. 2,2'-(Phenylphosphinylidene)bispyridine

 $C_{16}H_{13}N_2OP$ M 280.2 Solid. Mp 154-155°.

P-Sulfide: 2,2'-(Phenylphosphinothioylidene)bispyridine

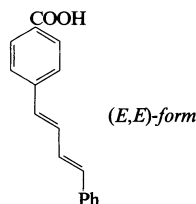
 $C_{16}H_{13}N_2PS$ M 296.3 Cryst. (EtOH). Mp 141°.

P-Sulfide, dihydrochloride: Solid. Mp 165-171°.

Mann, F.G. *et al*, *J.O.C.*, 1948, **13**, 502 (*synth, derivs*)
 Schmidbaur, H. *et al*, *Z. Naturforsch., B*, 1980, **35**, 1329 (*synth, pmr, cmr, P-31 nmr*)
 Newkome, G.R. *et al*, *Inorg. Chem.*, 1987, **26**, 3500 (*complexes*)
 Uchida, Y. *et al*, *Heteroat. Chem.*, 1990, **1**, 295 (*synth, oxide*)
 Espinet, P. *et al*, *J. Organomet. Chem.*, 1993, **450**, 145 (*complexes*)
 Deeming, A.J. *et al*, *J.C.S. Dalton*, 1993, 2041, 3383 (*complexes*)

4-(4-Phenyl-1,3-butadienyl) benzoic acid, 9CI **P-1-00053**

[62589-83-7]



$C_{17}H_{14}O_2$ M 250.2

(*E,E*)-form

Needles (Me₂CO). Mp 230-265°.

Me ester: [89510-60-1].

$C_{18}H_{16}O_2$ M 264.3 Cryst.
 (C_6H_6 /cyclohexane). Mp 180-180.5° (164-168°).

Et ester: [163276-32-2].

$C_{19}H_{18}O_2$ M 278.3 Retinoid. Yellow
 cryst. (hexane/EtOAc). Mp 120-121°.

Nitrile: [37985-14-1]. 4-(4-Phenyl-1,3-
 butadienyl)benzonitrile

$C_{17}H_{13}N$ M 231.2 Cryst. (MeOH).
 Mp 163-164°.

[1552-40-5, 101723-02-8]

McDonald, R.N. *et al*, *J.O.C.*, 1959, **24**, 1969
 (*Me ester*)

Zweig, A. *et al*, *J.A.C.S.*, 1967, **89**, 4091 (*nitrile*)

Quina, F.H. *et al*, *Z. Phys. Chem.*, 1976, **101**,
 151 (*synth*)

Gaudiana, R.A. *et al*, *J. Polym. Sci., Polym.*
Chem. Ed., 1987, **25**, 1249 (*Me ester*)

Torrado, A. *et al*, *Synthesis*, 1995, 285 (*Et ester*)

1-Phenyl-1,2-butanedione, 9CI **P-1-00054**

Ethyl phenyl diketone

[3457-55-4]



$C_{10}H_{10}O_2$ M 162.1

Yellow liq. Bp₂₀ 130-132°, Bp_{0.5} 74-76°. n_D^{20}
 1.5239.

2-Oxime: [25994-02-9].

$C_{10}H_{11}NO_2$ M 177.2 Mp 116-119°.

Dioxime:

$C_{10}H_{12}N_2O_2$ M 192.2 Mp 205-206°.

Coles, H.W. *et al*, *J.A.C.S.*, 1929, **51**, 2269

(*synth*)

Lynn, J.W. *et al*, *J.A.C.S.*, 1951, **73**, 4284

(*synth*)

Emmons, W.D. *et al*, *J.A.C.S.*, 1955, **77**, 4415
 (*synth*)

Torii, S. *et al*, *Synthesis*, 1987, 377 (*synth, ir,*
pmr)

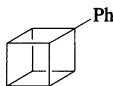
Page, P.C.B. *et al*, *Tetrahedron*, 1992, **48**, 7265
 (*synth, ir, pmr*)

Murakami, M. *et al*, *Synlett*, 1993, 511 (*synth,*
pmr, cmr)

Page, P.C.B. *et al*, *Synthesis*, 1995, 73 (*synth, ir,*
pmr)

Phenylcubane **P-1-00055**

Phenylpentacyclo[4.2.0.0^{2.5}.0^{3.8}.0^{4.7}]octane, 9CI
 [132657-48-8]



$C_{14}H_{12}$ M 180.2

Oil.

Olah, G.A. *et al*, *J.A.C.S.*, 1993, **115**, 10728
 (*synth, pmr, cmr, ms*)

1-Phenylcyclobutanol, 9CI **P-1-00056**

[935-64-8]



$C_{10}H_{12}O$ M 148.2

Liq. Bp_{0.05} 40-42°.

4-Nitrobenzoyl: [29586-27-4].

Solid (heptane). Mp 97-99°.

3,5-Dinitrobenzoyl: [18592-80-8].

Cryst. (petrol/ C_6H_6 3:1). Mp 107-108°.

Roberts, D.D., *J.O.C.*, 1969, **34**, 285 (*deriv,*
pmr)

Padwa, A. *et al*, *J.A.C.S.*, 1970, **92**, 5674 (*deriv,*
ir, ms)

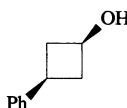
Chochua, K.A. *et al*, *Zh. Org. Khim.*, 1972, **8**,
 1867; *J. Org. Chem. USSR (Engl. Transl.)*,
 1972, **8**, 1914 (*ms*)

Finkelshtein, E.S., *Neftekhimiya*, 1980, **20**, 75;
CA, **93**, 26003y (*synth*)

Pritzkow, W. *et al*, *J. Prakt. Chem.*, 1989, **331**,
 424; 1990, **332**, 381 (*synth, cmr*)

Çelebi, S. *et al*, *J.A.C.S.*, 1993, **115**, 8613 (*synth,*
ir, pmr)

3-Phenylcyclobutanol, 9CI **P-1-00057**



$C_{10}H_{12}O$ M 148.2

(*1RS,3SR*)-form [150639-15-9]

cis-form

Liq. Bp_{0.6} 90-95° (Bp_{<1} 62-64°).

4-Methylbenzenesulfonyl: [26505-63-5].

Oil.

4-Nitrobenzoyl: Long needles

(EtOAc/hexane). Mp 131.1-131.6°.

[26505-64-6, 150639-16-0]

Manatt, S.L. *et al*, *J.A.C.S.*, 1964, **86**, 2645

(*synth, ir*)

Wiberg, K.B. *et al*, *J.A.C.S.*, 1993, **115**, 10645
 (*synth*)

1-Phenylcyclobutene **P-1-00058**

1-Cyclobuten-1-ylbenzene, 9CI

[3365-26-2]



$C_{10}H_{10}$ M 130.1

Pale yellow oil. Bp_{3.5} 74-75°, Bp_{0.01} 37°. n_D^{25}
 1.5639.

Berger, A. *et al*, *J. Med. Chem.*, 1960, **2**, 687
 (*synth*)

Mant, G.R. *et al*, *J.C.S. Faraday 2*, 1981, **77**,
 1487 (*uv*)

Dass, C. *et al*, *Org. Mass Spectrom.*, 1983, **18**,
 542 (*ms*)

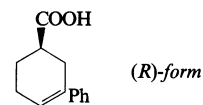
Hohlneicher, G. *et al*, *J.A.C.S.*, 1988, **110**, 4483
 (*struct, pe*)

Trace, R.L. *et al*, *J. Organomet. Chem.*, 1989,
376, 103 (*cmr*)

Çelebi, S. *et al*, *J.A.C.S.*, 1993, **115**, 8613 (*synth,*
ms)

3-Phenyl-3-cyclohexene-1-carboxylic acid, 9CI **P-1-00059**

2,3,4,5-Tetrahydro-3-biphenylcarboxylic acid



$C_{13}H_{14}O_2$ M 202.2

(*R*)-form [150013-81-3]

Powder. Mp 74-76.5°. [α]_D²⁴ +28.4 (c, 1.14
 in CHCl₃) (97% ee).

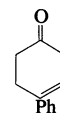
(±)-form

Solid. Mp 111-112°.

Wright, J.L. *et al*, *J. Med. Chem.*, 1994, **37**,
 3523 (*synth, pmr, resolu, cmr, ms*)

4-Phenyl-3-cyclohexen-1-one **P-1-00060**

[51171-71-2]



$C_{12}H_{12}O$ M 172.2

Cryst. (petrol). Mp 47-48°, Mp 72-73° (62-
 63°). Cryst. slowly liquefy on standing.

Oxime: [51171-76-7].

$C_{12}H_{13}NO$ M 187.2 Cryst. (hexane).
 Mp 93-94°.

2,4-Dinitrophenylhydrazone: [51171-74-5].

Yellow-brown cryst. (butanol). Mp 168-
 170° (145-146°).

Bergmann, E.D. *et al*, *J.A.C.S.*, 1959, **81**, 2772
 (*synth, uv*)

Carenini, G. *et al*, *Farmaco, Ed. Sci.*, 1973, **28**,
 896 (*synth, oxime*)

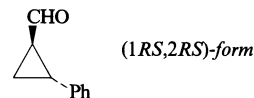
Duhamel, P. *et al*, *Tetrahedron*, 1986, **42**, 4777
 (*pmr, cmr, ir*)

Cory, R.M. *et al*, *Synth. Commun.*, 1994, **24**,
 799 (*synth, pmr, cmr, ms*)

2-Phenylcyclopropane-carboxaldehyde **P-1-00061**

1-Formyl-2-phenylcyclopropane

[67074-44-6]



$C_{10}H_{10}O$ M 146.1

(*1RS,2RS*)-form [34271-31-3]

(±)-trans-form

Oil. Bp₅ 93-95°. Readily oxidised by air.

(*1RS,2SR*)-form [34271-30-2]

(±)-cis-form
Oil. Bp₅ 100°.

[79929-84-3, 82263-48-7, 82263-50-1]

Levina, R.Ya. *et al.*, *J. Org. Chem. USSR (Engl. Transl.)*, 1977, **13**, 58 (synth)

Baldwin, J. *et al.*, *J.A.C.S.*, 1984, **106**, 1421

(synth, ir, pmr)

Abdallah, H. *et al.*, *Bull. Soc. Chim. Fr.*, 1985, 794 (synth, ir, pmr)

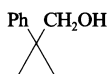
Alonso, M.E. *et al.*, *Magn. Reson. Chem.*, 1991, **28**, 956 (ir, pmr, cmr)

Zelechonek, Y. *et al.*, *J.O.C.*, 1992, **57**, 5785, 5787 (synth, pmr)

1-Phenylcyclopropane-methanol P-1-00062

1-Hydroxymethyl-1-phenylcyclopropane

[31729-66-5]



C₁₀H₁₂O M 148.2
Liq. Bp₁₁₂ 117-122°.

Lowger, P. *et al.*, *Helv. Chim. Acta*, 1959, **42**, 2394 (synth)

Wilt, J.W. *et al.*, *J.O.C.*, 1962, **27**, 3430 (synth)

Hutton, H.M. *et al.*, *Can. J. Chem.*, 1963, **41**, 2429 (pmr)

Harrison, I.T. *et al.*, *J.O.C.*, 1971, **36**, 3515 (synth)

1-Phenylcyclopropylamine P-1-00063

1-Phenylcyclopropanamine, 9CI

[41049-53-0]



C₉H₁₁N M 133.1

Hydrochloride: [73930-39-9].

Cryst. Mp 198-198.5°.

Bunce, S.C. *et al.*, *J.A.C.S.*, 1954, **76**, 2244 (synth)

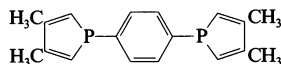
Warren, J.D. *et al.*, *Synth. Commun.*, 1980, **10**, 107 (synth)

De Boer, J.S.A.M. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1990, **109**, 375 (cryst struct)

1,4-Phenylenebis(3,4-dimethyl-1H-phosphole) P-1-00064

1,1'-(1,4-Phenylene)bis[3,4-dimethyl-1H-phosphole], 9CI. 1,4-Bis(3,4-dimethyl-1H-phospholyl)benzene

[130653-03-1]

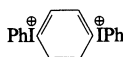


C₁₈H₂₀P₂ M 298.3

Cryst. (CH₂Cl₂/hexane). Mp 162°.

Mercier, F. *et al.*, *Heteroat. Chem.*, 1990, **1**, 187 (synth, pmr, cmr, P-31 nmr)

1,4-Phenylenebis[phenyliodonium], 9CI P-1-00065



C₁₈H₁₄I₂²⁺ M 484.1 (ion)

Bis(trifluoromethanesulfonate): [138996-14-2].

C₂₀H₁₄F₆I₂O₆S₂ M 782.2 Microcryst.
Mp 280-190° dec.

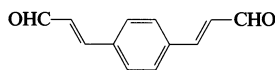
Kitamura, T. *et al.*, *Mendeleev Commun.*, 1991, 148 (synth, pmr, cmr)

Gallop, P.M. *et al.*, *J.A.C.S.*, 1993, **115**, 11702 (synth)

3,3'-(1,4-Phenylene)bis-2-propenal, 9CI P-1-00066

1,4-Phenylenediacetaldehyde. β,β-p-Phenylenediacrolein

[3049-37-4]



C₁₂H₁₀O₂ M 186.2

(E,E)-form [63405-68-5]

Cryst. Mp 159-162°.

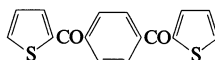
Lüttringhaus, A. *et al.*, *Chem. Ber.*, 1960, **93**, 3048 (synth, uv)

Sonoda, Y. *et al.*, *J.C.S. Perkin 1*, 1993, 1147 (synth, ir, pmr)

1,2-Phenylenebis[2-thienylmethanone], 9CI P-1-00067

1,4-Di(2-thenoyl)benzene

[146474-88-6]



C₁₆H₁₀O₂S₂ M 298.3

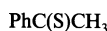
Pale yellow needles (xylene). Mp 227°.

Ohta, A. *et al.*, *J.C.S. Perkin 1*, 1993, 905 (synth, ir, pmr, ms)

1-Phenylethanethione P-1-00068

Phenyl methyl thioketone. Thioacetophenone

[16696-68-7]



C₈H₈S M 136.2

Bp₁₂ 97-100°. n_D²⁰ 1.64.

Sammes, M.P. *et al.*, *J.C.S. Perkin 1*, 1991, 183.

Capperucci, A. *et al.*, *J.O.C.*, 1991, **56**, 7323 (synth)

2-Phenyl-1,1,1-ethanetricarboxylic acid P-1-00069



C₁₁H₁₀O₆ M 238.1

Tri-Et ester: [16515-84-7].

C₁₇H₂₂O₆ M 322.3 Liq. Bp₁₂ 195-197°.

Trinitrile: [6023-46-7]. 1,1,1-Tricyano-2-

phenylethane. 2,2-Dicyano-3-phenylpropionitrile. Benzylcyanoform

C₁₁H₇N₃ M 181.1 Yellowish needles (CHCl₃); cryst. (1,2-

dichloroethane/petrol). Mp 138°.

Sublimes.

Hantzsch, A. *et al.*, *Ber.*, 1899, **32**, 641 (trinitrile, synth)

Sheppard, W.A. *et al.*, *J.O.C.*, 1966, **31**, 919 (trinitrile, synth)

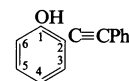
Prelicz, D. *et al.*, *Pol. J. Chem. (Roc. Chem.)*, 1967, **41**, 267 (tri-Et ester, synth)

Rüchardt, C. *et al.*, *Chem. Ber.*, 1994, **127**, 2225 (trinitrile, synth, pmr, cmr, ms, ir)

2-(Phenylethynyl)phenol, 9CI P-1-00070

2-Hydroxytolan. o-Hydroxydiphenylacetylene. (2-Hydroxyphenyl)phenylacetylene

[92151-73-0]



C₁₄H₁₀O M 194.2

Cryst. Mp 69-70°. Bp₆ 180°.

Me ether: [41398-67-8]. 1-Methoxy-2-

(phenylethynyl)benzene, 9CI. o-

(Phenylethynyl)anisole, 8CI. 2-

Methoxytolan

C₁₅H₁₂O M 208.2 Oil. Bp₁ 172-173°.

Letsinger, R.L. *et al.*, *J.O.C.*, 1961, **26**, 1271

(synth, uv, ir)

Buckle, D.R. *et al.*, *J.C.S. Perkin 1*, 1985, 2443

(Me ether)

Sagi, M. *et al.*, *Heterocycles*, 1990, **30**, 1009

(synth)

Kondo, Y. *et al.*, *Tetrahedron*, 1994, **59**, 11803

(synth, pmr)

3-(Phenylethynyl)phenol, 9CI P-1-00071

3-Hydroxytolan. m-

Hydroxydiphenylacetylene. (3-Hydroxyphenyl)

phenylacetylene

[111731-38-5]

C₁₄H₁₀O M 194.2

Endcapper for arylene polymers. Needles

(hexane). Mp 86°.

Ac: [153614-82-5].

C₁₆H₁₂O₂ M 236.2 Mp 53-54°.

Me ether: 1-Methoxy-3-(phenylethynyl)

benzene, 9CI. m-(Phenylethynyl)anisole,

9CI. 3-Methoxytolan

C₁₅H₁₂O M 208.2 Prisms. Mp 74-76°.

Chen, Q.-Y. *et al.*, *Synthesis*, 1988, 897 (Me

ether)

Jayaraman, S. *et al.*, *Polym. Prepr., (Am. Chem.*

Soc., Div. Polym. Chem.), 1993, **34**, 511

(synth, Ac, ir, pmr)

Mataka, S. *et al.*, *Synthesis*, 1995, 133 (Me ether)

4-(Phenylethynyl)phenol, 9CI P-1-00072

4-Hydroxytolan. p-Hydroxydiphenylacetylene.

(4-Hydroxyphenyl)phenylacetylene

[1849-26-9]

C₁₄H₁₀O M 194.2

Needles (petrol). Mp 83-84°, Mp 123-125°.

Me ether: [7380-78-1]. 1-Methoxy-4-

(phenylethynyl)benzene, 9CI. p-

(Phenylethynyl)anisole, 8CI. 4-

Methoxytolan

C₁₅H₁₂O M 208.2 Plates (MeOH).

Mp 58-59°.

Ph ether: [92566-01-3]. 1-Phenoxy-4-

(phenylethynyl)benzene, 9CI. 4-

Phenoxytolan

C₂₀H₁₄O M 270.3 Plates. Mp 77-78°.

Katritzky, A.R. *et al.*, *J.C.S.*, 1960, 1519 (Me

ether)

Stephens, R.D. *et al.*, *J.O.C.*, 1963, **28**, 3313

(synth, Me ether)

Gorshkova, G.N. *et al.*, *Zh. Fiz. Khim.*, 1964,

38, 2485; *Russ. J. Phys. Chem. (Engl.*

Transl.), 1344 (uv, ir)

McEwen, W.E. *et al.*, *J. Fluorine Chem.*, 1984,

25, 169 (Me ether, Ph ether)

Swiss, K.A. *et al.*, *Synthesis*, 1992, 127 (synth, ir)

1-Phenyl-1,3-hexanediol P-1-00073C₁₂H₁₈O₂ M 194.2

(±)-form

Bp₁₁ 170-172°.

I-Ac:

C₁₄H₂₀O₃ M 236.3 Bp₁₁ 179-181°.Emerson, W.S., *J.O.C.*, 1945, **10**, 464 (*synth*, I-Ac)Behrens, K. *et al*, *Annalen*, 1995, 385 (*synth*, *pmr*, *ir*)**1-Phenyl-1,6-hexanediol, 9CI** P-1-00074

[4066-82-4]

C₁₂H₁₈O₂ M 194.2

(±)-form

Cryst. (hexane/Et₂O). Mp 57-58°. Bp_{0.02} 135-139°.

Di-Ac: [103187-14-0].

C₁₆H₂₂O₄ M 278.3 Oil.Kwart, H. *et al*, *J.A.C.S.*, 1959, **81**, 943 (*synth*)Mornet, R. *et al*, *Bull. Soc. Chim. Fr.*, 1965, 3043 (*synth*)*Eur. Pat.*, 171 251, (1986); *CA*, **105**, 42484c (*di-Ac*)**4-Phenyl-1H-indole, 9CI** P-1-00075

[35577-92-5]

C₁₄H₁₁N M 193.2

Cryst. Mp 58-60°, Mp 76-77°.

Muratake, H. *et al*, *Heterocycles*, 1990, **31**, 691(*synth*, *pmr*)Andrews, J.F.P. *et al*, *Tetrahedron*, 1993, **49**, 7353 (*synth*, *ir*, *pmr*, *cmr*)**5-Phenyl-1H-indole, 9CI** P-1-00076

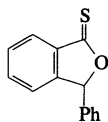
[66616-72-6]

C₁₄H₁₁N M 193.2

Cryst. Mp 71-73°.

Yang, Y. *et al*, *J. Het. Chem.*, 1992, **34**, 1169, 1395 (*synth*)**3-Phenyl-1(3H)-isobenzofuranthione, 9CI** P-1-00077

[163226-46-8]

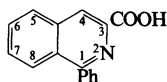
C₁₄H₁₀OS M 226.2

(±)-form

Fine yellow plates. Mp 97-99°.

Nishio, T., *J.C.S. Perkin I*, 1995, 561 (*synth*, *ir*, *pmr*, *cmr*)Bailey, J.H. *et al*, *J.C.S. Perkin I*, 1995, 589 (*synth*, *pmr*, *cmr*, *ir*)**1-Phenyl-3-isoquinolinecarboxylic acid** P-1-00078

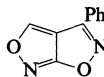
[66528-01-6]

C₁₆H₁₁NO₂ M 249.2
Yellow needles (MeCN). Mp 222-223°.*Et ester*: [81803-40-9].C₁₈H₁₅NO₂ M 277.3 Cryst. (petrol).
Mp 100-101°.Filler, R. *et al*, *J.O.C.*, 1962, **27**, 2403 (*synth*)Walsh, D.A. *et al*, *J. Med. Chem.*, 1978, **21**, 583 (*synth*)Hickey, D.M.B. *et al*, *J.C.S. Perkin I*, 1984, 2189; 1987, 921 (*Et ester*)**1-Phenyl-4-isoquinolinecarboxylic acid** P-1-00079

[90829-28-0]

C₁₆H₁₁NO₂ M 249.2

Mp 244-247° (215-217°).

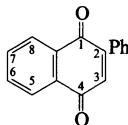
Nitrile: [41969-01-1]. 4-Cyano-1-phenylisoquinolineC₁₆H₁₀N₂ M 230.2 Pale orange
needles (C₆H₆/petrol). Mp 142°.*Ger. Pat.*, 3 233 424, (1984); *CA*, **101**, 38362m(*synth*, *nitrile*)Bartmann, W. *et al*, *Heterocycles*, 1989, **29**, 707 (*synth*, *pmr*)**3-Phenyl-4-isoquinolinecarboxylic acid** P-1-00080C₁₆H₁₁NO₂ M 249.2*Et ester*: [109802-64-4].C₁₈H₁₅NO₂ M 277.3 Oil.*Nitrile*: 4-Cyano-3-phenylisoquinolineC₁₆H₁₀N₂ M 230.2 Yellow needles.
Mp 155-157°.Maassarani, F. *et al*, *Organometallics*, 1987, **6**, 2029 (*Et ester*)Suzuki, H. *et al*, *Synthesis*, 1995, 763 (*nitrile*)**3-Phenylisoxazolo[5,4-c]isoxazole** P-1-00081C₁₀H₆N₂O₂ M 186.1

Yellow prisms (MeOH). Mp 146-147°.

Anderson, D.J. *et al*, *J. Het. Chem.*, 1995, **32**, 1189.**2-Phenyl-1,4-naphthoquinone** P-1-00082

2-Phenyl-1,4-naphthalenedione, 9CI

[2348-77-8]

C₁₆H₁₀O₂ M 234.2

Yellow cryst. Mp 111-112°.

Courseille, C. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1969, **268**, 1358 (*cryst struct*)Singh, P.K. *et al*, *Synth. Commun.*, 1992, **22**, 987 (*synth*, *ir*, *pmr*)Harrity, J.P.A. *et al*, *Tetrahedron*, 1993, **49**, 5565 (*synth*, *ir*, *pmr*)**5-Phenyl-1,4-naphthoquinone** P-1-00083

5-Phenyl-1,4-naphthalenedione, 9CI

[33522-29-1]

C₁₆H₁₀O₂ M 234.2

Orange plates (MeOH). Mp 169.5-170°.

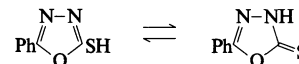
House, H.O. *et al*, *J.O.C.*, 1972, **37**, 1003 (*synth*, *ir*, *uv*, *pmr*, *ms*)**5-Phenyl-1,3,4-oxadiazole-2-thiol** P-1-00084

5-Phenyl-1,3,4-oxadiazole-2(3H)-thione, 9CI.

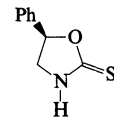
2-Mercapto-5-phenyl-1,3,4-oxadiazole. 2-

Phenyl-Δ²-1,3,4-oxadiazoline-5-thione

[3004-42-0]

C₈H₆N₂OS M 178.2*NH*-form predominates. Cryst. (MeOH). Mp 219-220°. pK_a 5.25.

▶ Irritant. Air-sensitive.

Hogarth, E. *et al*, *J.C.S.*, 1952, 4811 (*synth*)Young, R.W. *et al*, *J.A.C.S.*, 1955, **77**, 400 (*synth*)Chau, N. *et al*, *J. Het. Chem.*, 1982, **19**, 541(*synth*)Aranda, G. *et al*, *Org. Magn. Reson.*, 1982, **18**,159 (*cmr*)Shawali, A.S. *et al*, *Heterocycles*, 1983, **20**, 2211(*tautom*)Charistos, D.A. *et al*, *J. Het. Chem.*, 1994, **31**,1593 (*uv*, *ir*, *tautom*)**4-Phenyl-2-oxazolidineselone, 9CI** P-1-00085C₉H₉NOSe M 226.1

(R)-form [136794-56-4]

Cryst. Mp 134-137°. [α]_D -53 (c, 0.64 in CHCl₃).Peng, J. *et al*, *J.O.C.*, 1994, **59**, 4977 (*synth*, *uv*, *ir*, *pmr*, *cmr*, *Se-77 nmr*)**3-Phenylloxiranecarboxaldehyde, 9CI** P-1-00086

β-Phenylglycidaldehyde. 2,3-

Epoxycinnamaldehyde

[5693-99-2]

C₉H₈O₂ M 148.1

(2R,3S)-form [126720-47-6]

(2R-trans)-form

[α]_D²⁵ +86 (c, 2.1 in CHCl₃) (>95% ee).

(±)-form

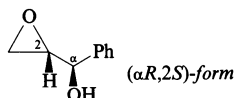
Liq. Bp_{0.2} 66-68°. Isomeric composition not specified.

[71403-94-6, 119951-98-3, 119951-99-4, 121651-02-3]

Payne, G.B., *J.O.C.*, 1960, **25**, 275; 1961, **26**, 250 (*synth*)

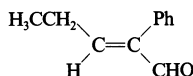
Arbuzov, B.A. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1979, 1257; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1979, 1173 (*ir, pmr, props*)
 Miyashita, M. *et al*, *Chem. Lett.*, 1987, **2**, 285 (*synth*)
 Hu, Y. *et al*, *Synth. Commun.*, 1988, **18**, 1607 (*synth*)
 Evans, D.L. *et al*, *Tet. Lett.*, 1988, **29**, 5065 (*synth*)
 Yu, L. *et al*, *Chem. Comm.*, 1993, 232 (*synth*)

α -Phenyloxiranemethanol, 9CI P-1-00087
 2,3-Epoxy-1-phenyl-1-propanol



$C_9H_{10}O_2$ M 150.1
($\alpha R,2S$)-form [107643-29-8]
 $[\alpha]_D^{23}$ –100.2 (c, 2.31 in $CHCl_3$).
($\alpha S,2S$)-form [107643-32-3]
 Oil. $[\alpha]_D^{23}$ +87.5 (c, 2.3 in $CHCl_3$).
 [127913-26-2, 127913-27-3, 153062-14-7, 153062-15-8]
 Palazón, J.M. *et al*, *Tet. Lett.*, 1986, **27**, 4987 (*synth*)
 Kawakani, T. *et al*, *J.O.C.*, 1993, **58**, 7608 (*synth, ir, pmr*)
 Dittmer, D.C. *et al*, *J.O.C.*, 1994, **59**, 1004 (*synth, pmr*)

2-Phenyl-2-pentenal P-1-00088
 α -Propylidenebenzeneacetaldehyde, 9CI
 [3491-63-2]



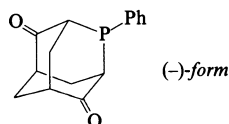
$C_{11}H_{12}O$ M 160.2
(E)-form [42762-46-9]
 $Bp_{0.1}$ 62°.
 ▶ Irritant.
 Bouget, H., *Bull. Soc. Chim. Fr.*, 1965, 2063 (*synth, uv, ir*)
 Dana, G. *et al*, *Bull. Soc. Chim. Fr.*, 1973, 1676 (*synth, pmr, uv, ir*)

2-Phenyl-4-pentynoic acid P-1-00089
 Phenylpropargylacetic acid



$C_{11}H_{10}O_2$ M 174.1
(\pm)-form
 Mp 96-97°.
 Vincent, M. *et al*, *Bull. Soc. Chim. Fr.*, 1962, 1580.
 Bell, I.M. *et al*, *J.C.S. Perkin 1*, 1994, 1997 (*synth*)

2-Phenyl-2-phosphatricyclo[3.3.1.1^{3,7}]decan-4,8-dione P-1-00090
 [122557-75-9]



$C_{15}H_{15}O_2P$ M 258.2
(-)-form [126456-50-6]
 Cryst. (propan-2-ol). Mp 142-144°. $[\alpha]_D^{25}$ –674 ($CHCl_3$).
Methodide: [126456-52-8]. 2-Methyl-4,8-dioxo-2-phenyl-2-phosphoniatricyclo[3.3.1.1^{3,7}]decan-4,8-dione
 $C_{16}H_{18}IO_2P$ M 400.1 Cryst. ($MeNO_2$). Mp 260-262°. $[\alpha]_D^{25}$ –29.9 ($MeOH$).
 2-Oxide: [126456-51-7].
 $C_{15}H_{15}O_3P$ M 274.2 Cryst. (propan-2-ol). Mp 210-212°.
(\pm)-form [126412-53-1]
Methodide: [126412-52-0].
 Solid. Mp 260-262°.
 2-Oxide: [89784-09-8].
 Solid. Mp 186-188°.

Zemlyanoi, V.N. *et al*, *Zh. Obshch. Khim.*, 1989, **59**, 476, 1451; *J. Gen. Chem. USSR (Engl. Transl.)*, 1989, **59**, 423, 1290 (*synth, ir, ms, pmr, cmr, P-31 nmr*)

1-Phenylphosphetane, 9CI P-1-00091
 [142599-70-0]



$C_9H_{11}P$ M 150.1
 Ligand for Mo and Fe. Oil. $Bp_{0.05}$ 63°.
 Unstable, polymerises rapidly.
 Bader, A. *et al*, *J.C.S. Dalton*, 1992, 1751 (*complex*)
 Kang, Y.B. *et al*, *Chem. Comm.*, 1994, 475, 1404 (*synth, pmr, cmr, P-31 nmr, complex*)

Phenylphosphinediacetic acid P-1-00092
 2,2'-(Phenylphosphinidene)bisacetic acid
 [58942-13-5]



$C_{10}H_{11}O_4P$ M 226.1
Di-Me ester: [17166-63-1]. Dimethyl 2,2'-(phenylphosphinidene)bisacetate
 $C_{17}H_{19}O_4P$ M 254.2 Liq. Bp_1 147-149°, $Bp_{0.4}$ 125°.
Di-Et ester: [38080-06-7]. Diethyl 2,2'-(phenylphosphinidene)bisacetate
 $C_{14}H_{19}O_4P$ M 282.2 Liq. d_4^{20} 1.14. $Bp_{0.05}$ 122-124°. n_D^{20} 1.5280.
Dinitrile: [61806-56-2]. Bis(cyanomethyl)phenylphosphine. 2,2'-(Phenylphosphinidene)bisacetoneitrile
 $C_{10}H_9N_2P$ M 188.1 Solid. Insol. H_2O ; v. sol. $CHCl_3$. Mp 59-62°. $Bp_{0.25}$ 148-150°.

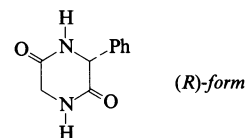
Ismagolov, R.K. *et al*, *Zh. Obshch. Khim.*, 1972, **42**, 1248; *J. Gen. Chem. USSR (Engl. Transl.)*, 1972, **42**, 1243 (*di-Et ester*)
 Dahl, O., *Acta Chem. Scand., Ser. B*, 1976, **30**, 799 (*synth, ir, pmr, P-31 nmr, dinitrile*)
 Novikova, Z.S. *et al*, *Zh. Obshch. Khim.*, 1976, **46**, 575; *J. Gen. Chem. USSR (Engl. Transl.)*, 1976, **46**, 572 (*di-Me ester, synth, ir, P-31 nmr*)
 Podlahová, J., *Coll. Czech. Chem. Comm.*, 1978, **43**, 57; 1979, **44**, 2460 (*synth, ir, uv, props, complexes*)
 Podlahová, J. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1988, **37**, 87 (*ester, synth, ir, ms, pmr, cmr, P-31 nmr*)

P,P'-(Phenylphosphinidene) di-2,1-ethanediyllbis[N,N,N',N' -tetramethylphosphonous diamide] P-1-00093
 [63578-28-9]



$C_{18}H_{37}N_4P_3$ M 402.4
 Ligand. Viscous yellow liq. which slowly cryst. Mp 38-40°. $Bp_{0.005}$ 155-162°.
 King, R.B. *et al*, *J.A.C.S.*, 1977, **99**, 4001 (*synth, pmr, cmr, P-31 nmr*)

3-Phenyl-2,5-piperazinedione, P-1-00094
 9CI
 cyclo-Glycylphenylglycyl
 [21746-02-1]



$C_{10}H_{10}N_2O_2$ M 190.2
(R)-form [81554-02-1]
 Cryst. (EtOAc/petrol). Mp 241-243°. $[\alpha]_D^{23}$ –696 (c, 0.05 in DMSO).

(S)-form [134521-82-7]
 Cryst.
(\pm)-form
 Cryst. (H_2O). Mp 242-243°.

[156869-21-5]
 Kopple, K.D. *et al*, *J.A.C.S.*, 1969, **91**, 962 (*synth, conformn*)
 Barfield, M. *et al*, *J.A.C.S.*, 1982, **104**, 3302 (*synth, pmr, ir*)
 Sato, N. *et al*, *J. Het. Chem.*, 1986, **23**, 1677 (*synth, pmr, ir, bibl*)
 Szkaradzinska, M.B. *et al*, *Acta Cryst. C*, 1994, **50**, 565 (*cryst struct*)

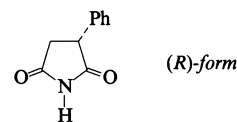
1-Phenyl-2-propyn-1-amine P-1-00095
 3-Amino-3-phenylpropyne



C_9H_9N M 131.1
(\pm)-form
 Cryst. (EtOH) (as hydrochloride).

N-Ac:
 $C_{11}H_{11}NO$ M 173.2 Needles (Et_2O /hexane).
 Noro, M. *et al*, *J.A.C.S.*, 1994, **116**, 6179 (*synth, pmr*)

3-Phenyl-2,5-pyrrolidinedione, P-1-00096
 9CI
 2-Phenylsuccinimide, 8CI
 [3464-18-4]



$C_{10}H_9NO_2$ M 175.1
(R)-form [114531-20-3]
 Mp 83-94° (partial racemate). $[\alpha]_D^{20}$ +151 (c, 2 in EtOH).

(±)-form

Mp 90°. Bp₁₁ 223-225°. pK_a 8.73 (4% EtOH aq.).

N-Me: [86-34-0]. 1-Methyl-3-phenyl-2,5-pyrrolidinedione, 9CI. *N-Methyl-2-phenylsuccinimide*, 8CI. **Phensuximide**
C₁₁H₁₁NO₂ M 189.2 Antiepileptic drug. Cryst. (EtOH). Mp 69-71°.

[34367-67-4, 54807-40-8, 97233-03-9, 97233-04-0, 114531-21-4]

Miller, C.A. *et al*, *J.A.C.S.*, 1951, **73**, 4895

(*synth*)
Foucaud, A. *et al*, *Bull. Soc. Chim. Fr.*, 1965, 2552 (*ir*)

Kornet, M.J. *et al*, *J. Med. Chem.*, 1977, **20**, 1210 (*synth*)

Wijnberg, J.B.P. *et al*, *Tetrahedron*, 1978, **34**, 179 (*synth*)

Ferrendelli, J.A. *et al*, *Adv. Neurol.*, 1980, **27**, 587 (*pharmacol. rev. N-Me*)

Yang, Z.Y. *et al*, *J. Chromatogr.*, 1985, **324**, 444 (*resoln. hplc, N-Me*)

Poloniński, T., *J.C.S. Perkin 1*, 1988, 629 (*synth, ir, pmr, cd, R-form*)

(Phenylseleno)acetylene P-1-00097

(*Ethynylseleno*)benzene, 9CI. (*Phenylseleno*)ethyne. *Ethynyl phenyl selenide*

[65910-12-5]



C₈H₆Se M 181.0

Liq. with pungent odour. Bp₁₇ 104-105°, Bp_{0.2} 60°.

Chierichi, L. *et al*, *Gazz. Chim. Ital.*, 1956, **86**, 1269 (*synth*)

Radeglia, R. *et al*, *J. Organomet. Chem.*, 1987, **327**, 7 (*cmr, Se-77 nmr*)

Braga, A.L. *et al*, *Synth. Commun.*, 1994, **24**, 1165 (*synth, pmr*)

2-(Phenylseleno)ethylamine P-1-00098

2-(*Phenylseleno*)ethanamine

[81418-58-8]



C₉H₁₁NSe M 200.1

Yellow liq. Bp_{0.15} 74-78°.

Exon, C. *et al*, *J.A.C.S.*, 1983, **105**, 4739 (*synth, pmr, ir*)

Billimoria, A.D. *et al*, *J.O.C.*, 1994, **59**, 6777 (*synth, pmr*)

(Phenylseleno)ethylene P-1-00099

(*Ethynylseleno*)benzene, 9CI. *Phenyl vinyl selenide*

[35167-28-3]



C₈H₈Se M 183.1

Oil. Bp₅ 63-65°.

Kushnarev, D.F. *et al*, *Zh. Org. Khim.*, 1976, **12**, 1482; 1990, **26**, 19; *J. Org. Chem. USSR (Engl. Transl.)*, 1976, **12**, 1465; 1990, **26**, 15 (*cmr, pmr, Se-77 nmr*)

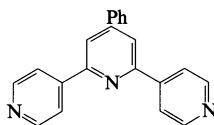
Reich, H.J. *et al*, *J.O.C.*, 1981, **46**, 2775 (*synth, pmr, ir*)

Potapov, V.A. *et al*, *Zh. Org. Khim.*, 1989, **25**, 1112; *J. Org. Chem. USSR (Engl. Transl.)*, 1989, **25**, 1001 (*synth*)

Toru, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1993, **66**, 2042 (*synth, ir, pmr*)

4'-Phenyl-4,2':6',4''-terpyridine

P-1-00100



C₂₁H₁₅N₃ M 309.3

Complexing reagent. Cryst. Mp 283-284°.

Anderson, H.L. *et al*, *J.C.S. Perkin 1*, 1995, 2231 (*synth, pmr*)

5-Phenyl-1,2,3-thiadiazole-4-

carboxaldehyde, 9CI

4-Formyl-5-phenyl-1,2,3-thiadiazole

[151918-49-9]



C₉H₆N₂OS M 190.2

Cryst. (Et₂O). Mp 54°.

L'abbé, G. *et al*, *J.C.S. Perkin 1*, 1993, 1719 (*synth, ir, pmr, cmr, ms*)

5-Phenyl-1,5-thiaphosphocane P-1-00102

[134021-39-9]



C₁₂H₁₇PS M 224.3

Bidentate ligand for Pd(II), Pt(II) and Ni(II). Oil.

5-Oxide: [134021-38-8].

C₁₂H₁₇OPS M 240.3 Solid.

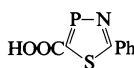
Toto, S.D. *et al*, *Inorg. Chem.*, 1990, **29**, 691 (*complexes*)

Toto, S.D. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **56**, 27 (*synth, ms, pmr, P-31 nmr, cryst struct*)

Musker, W.K., *Coord. Chem. Rev.*, 1992, **117**, 133 (*rev*)

2-Phenyl-1,3,4-thiazaphosphole-5-carboxylic acid, 9CI

P-1-00103



C₉H₆NO₂PS M 223.1

Et ester: [94570-28-2].

C₁₁H₁₀NO₂PS M 251.2 Pale yellow solid. Mp 43-45°.

Schmidpeter, A. *et al*, *Angew. Chem., Int. Ed.*, 1985, **24**, 123 (*synth, cmr, P-31 nmr*)

2-Phenylthiazolidine

P-1-00104

Tetrahydro-2-phenylthiazolidine

[4569-82-8]



C₉H₁₁NS M 165.2

(±)-form

Mp 108-109°.

Térol, A. *et al*, *Org. Magn. Reson.*, 1981, **17**, 68

(*synth, pmr*)

Baert, F. *et al*, *Acta Cryst. B*, 1987, **43**, 538 (*cryst struct*)

Umarani, R. *et al*, *Cryst. Res. Technol.*, 1990, **25**, 1155 (*synth, ir, pmr, cryst struct*)

Barbry, D. *et al*, *J.C.S. Perkin 2*, 1990, **1**, 133 (*pmr*)

Khuntaveeporn, K. *et al*, *J.A.C.S.*, 1994, **116**, 5662 (*synth*)

4-Phenylthiazolidine

P-1-00105

Tetrahydro-4-phenylthiazole

[107326-18-1]

C₉H₁₁NS M 165.2

(±)-form

Bp_{0.5} 120°. Not clear if separated from 5-Phenylthiazolidine, P-1-00106.

Barbry, D. *et al*, *Chem. Ber.*, 1987, **120**, 1073 (*synth, pmr*)

5-Phenylthiazolidine

P-1-00106

[107326-19-2]

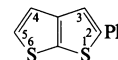
C₉H₁₁NS M 165.2

Barbry, D. *et al*, *Chem. Ber.*, 1987, **120**, 1073 (*synth, pmr*)

Khuntaveeporn, K. *et al*, *J.A.C.S.*, 1994, **116**, 5662 (*synth*)

2-Phenylthieno[2,3-*b*]thiophene P-1-00107

[35022-10-7]



C₁₂H₈S₂ M 216.3

Mp 166-167°.

Spagnolo, P. *et al*, *J.C.S. Perkin 1*, 1972, 93.

3-Phenylthieno[2,3-*b*]thiophene P-1-00108

[35022-13-0]

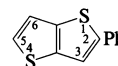
C₁₂H₈S₂ M 216.3

Mp 55-56°.

Spagnolo, P. *et al*, *J.C.S. Perkin 1*, 1972, 93.

2-Phenylthieno[3,2-*b*]thiophene P-1-00109

[35022-09-4]



C₁₂H₈S₂ M 216.3

Cryst. (EtOH). Mp 168° (164-166°).

Spagnolo, P. *et al*, *J.C.S. Perkin 1*, 1972, 93 (*synth*)

Prim, D. *et al*, *J.C.S. Perkin 1*, 1994, 2603 (*synth, pmr*)

3-Phenylthieno[3,2-*b*]thiophene P-1-00110

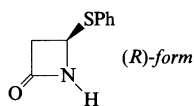
[35022-15-2]

C₁₂H₈S₂ M 216.3

Mp 62-63°.

Spagnolo, P. *et al*, *J.C.S. Perkin 1*, 1972, 93.

4-(Phenylthio)-2-azetidinone, P-1-00111
9CI
[31898-69-8]



C_9H_9NOS M 179.2
Intermed. for β -lactam antibiotics.

(R)-form [85270-00-4]
Cryst. (CH_2Cl_2 /petrol). Mp 68–69°. [α]_D
+137.3 (c, 1.29 in $CHCl_3$).

(S)-form [90497-62-4]
Cryst. (Et_2O /hexane). [α]_D²⁵ –134.6 (c, 1.21
in $CHCl_3$).

(±)-form [106974-96-3]
Cryst. (MeOH). Mp 72–73.5°.

S-Oxide: [53390-58-2]. 4-(Phenylsulfinyl)-2-
azetidinone, 9CI
 $C_9H_9NO_2S$ M 195.2 Cryst.
(hexane/ CH_2Cl_2). Mp 107–108°, Mp 124-
127°.

S,S-Dioxide: [90497-61-3]. 4-(Phenylsulfonyl)-
4-azetidinone
 $C_9H_9NO_3S$ M 211.2 Cryst. (H_2O).
Mp 156–157°.

[31899-01-1, 99746-85-7]

Clauss, K. *et al*, *Annalen*, 1974, 539 (*synth*, *ir*,
pmr)

Nishida, A. *et al*, *Tet. Lett.*, 1984, 25, 765
(*synth*)

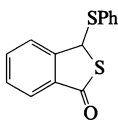
Gu, H. *et al*, *J.O.C.*, 1990, 55, 5655 (*synth*)

Kita, Y. *et al*, *Chem. Pharm. Bull.*, 1992, 40,
1044 (*synth*, *ir*, *pmr*, *sulfoxide*)

Iwata-Renyl, D. *et al*, *J. Nat. Prod.*, 1993, 56,
1373 (*synth*, *pmr*, *cmr*, *ms*)

Basak, A. *et al*, *Synth. Commun.*, 1994, 24, 131
(*synth*)

**3-(Phenylthio)benzo[c]
thiophen-1(3H)-one** P-1-00112



$C_{14}H_{10}OS_2$ M 258.3

(±)-form [155988-85-5]
Cryst. Mp 57°.

S',S'-Dioxide: [155988-86-6]. 3-
(Phenylsulfonyl)benzo[c]thiophen-1(3H)-one
 $C_{14}H_{10}O_3S_2$ M 290.3 Cryst.
(Et_2O /petrol). Mp 165–167°.

Majumdar, G. *et al*, *J.C.S. Perkin 1*, 1994, 309.

**3-Phenyltricyclo[3.3.1.0^{3,7}]
nonane** P-1-00113
Octahydro-3a-phenyl-2,5-methanopentalene,
9CI. 3-Phenylnoradamantane
[151697-56-2]



$C_{15}H_{18}$ M 198.3
Liq. Bp₂ 92°.

Olah, G.A. *et al*, *J.A.C.S.*, 1993, 115, 10728
(*synth*, *pmr*, *cmr*, *ms*)

Phenylvinylphosphinous acid, P-1-00114
8CI
Ethenylphenylphosphinous acid, 9CI



C_8H_9OP M 152.1

Butyl ester: [77085-88-2]. *Butyl*
ethenylphenylphosphinite

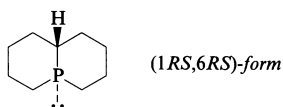
$C_{12}H_{17}OP$ M 208.2 Liq. d_4^{20} 0.98. Bp₂
76–77°. n_D^{20} 1.5310.

Kabachnik, M.I. *et al*, *Zh. Obshch. Khim.*, 1962,
32, 3351.

Kharrasova, F.M. *et al*, *Zh. Obshch. Khim.*,
1968, 38, 359.

1-Phosphabicyclo[4.4.0]decane P-1-00115
Octahydro-2H-phosphinolizine

[88580-67-0]



$C_9H_{17}P$ M 156.2

(1R,6R)-form [118333-78-1]
trans-form

Liq. Bp₁₀ 87°.

Methiodide:

$C_{10}H_{20}IP$ M 298.1 Solid. Mp 305-
306°.

P-Oxide: [118375-04-5].

$C_9H_{17}OP$ M 172.2 Solid. Mp 154-
156°.

P-Sulfide: [118375-05-6].

$C_9H_{17}PS$ M 188.2 Solid. Mp 132-
133°.

P-Selenide: [118375-06-7].

$C_9H_{17}PSe$ M 235.1 Solid. Mp 154-
155°.

(1R,6SR)-form [118333-79-2]

cis-form

Liq. Bp_{1,2} 63°. Forms a CS_2 adduct.

Methiodide: Octahydro-5-
methylphosphinolizinium iodide

Solid. Mp 384–386°.

P-Oxide: [118266-97-0].

Solid. Mp 103–104.5°.

P-Sulfide: [118281-63-3].

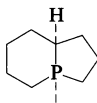
Solid. Mp 66–67°.

P-Selenide: [118281-64-4].

Solid. Mp 93–95°.

Krech, F. *et al*, *Z. Anorg. Allg. Chem.*, 1987,
553, 136 (*synth*, *cmr*, P-31 nmr, Se-77 nmr)

1-Phosphabicyclo[4.3.0]nonane P-1-00116
Octahydrophosphindolizine, 9CI



$C_8H_{15}P$ M 142.1

(1R,6SR)-form [137564-97-7]

(±)-*cis-form*

Liq. Bp₁₁ 83–84°.

Methiodide: [137565-00-5]. 1-

Methyloctahydrohydrophosphindolizinium
iodide

$C_9H_{18}IP$ M 284.1 Cryst. (EtOH). Mp
388–391° dec.

Hydrogen fluorosulfate: [137564-99-9].

$C_8H_{16}FO_4PS$ M 258.2 Props. not
reported.

Oxide: [137593-49-8].

$C_8H_{15}OP$ M 158.1 Oil. Bp_{0,02} 103-
105°.

Sulfide: [137565-01-6].

$C_8H_{15}PS$ M 174.2 Cryst. (Et_2O). Mp
56–58°.

Selenide: [137565-02-7].

$C_8H_{15}PSe$ M 221.1 Cryst.
(Et_2O /pentane). Mp 59–61°.

CS₂ adduct: Solid. Dec. at 69–73°.

Krech, F. *et al*, *Z. Anorg. Allg. Chem.*, 1991,
600, 195 (*synth*, *cmr*, P-31 nmr, Se-77 nmr)

Phosphetanic acid P-1-00117

1-Hydroxyphosphetane 1-oxide

[117961-78-1]



$C_3H_7O_2P$ M 106.0

Waxy solid.

Me ester: [150786-93-9]. 1-

Methoxyphosphetane 1-oxide. *Methyl*
phosphetate

$C_4H_9O_2P$ M 120.0 Oil.

Et ester: 1-Ethoxyphosphetane 1-oxide. *Ethyl*
phosphetate

$C_5H_{11}O_2P$ M 134.1 Liq. Bp₁₀ 95–102°.

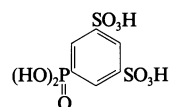
Kosolapoff, G.M. *et al*, *J.C.S.*, 1957, 3739.

Wong, S.-C. *et al*, *J. Chem. Res., Synop.*, 1993,
268 (*synth*, *ester*, *ms*, *ir*, *pmr*, *cmr*, P-31 nmr)

**5-Phosphono-1,3-
benzenedisulfonic acid** P-1-00118

Phenylphosphonic acid 3,5-disulfonic acid

[126766-74-3]



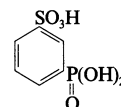
$C_6H_7O_6P_2$ M 318.2

Obt. from Phenylphosphonic acid, P-0-02344
by sulfonation (SO_3 at 180–240°). Solid.
Mp 146°.

Montoneri, E., *Phosphorus, Sulfur, Silicon Relat.*
Elem., 1991, 55, 201; 1994, 86, 123 (*synth*,
pmr, *cmr*, P-31 nmr)

**3-Phosphonobenzenesulfonic
acid** P-1-00119

[126180-64-1]



$C_6H_7O_6PS$ M 238.1

Obt. from Phenylphosphonic acid, P-0-02344
by sulfonation with SO_3 . Solid. Mp 164°.

Montoneri, E. *et al*, *J.C.S. Dalton*, 1989, 1819
(*synth*, *ir*, *pmr*, *cmr*, P-31 nmr)

Montoneri, E., *Phosphorus, Sulfur, Silicon Relat.*
Elem., 1991, 55, 201; 1994, 86, 123 (*synth*,
pmr, *cmr*, P-31 nmr)

2-Phosphonoethanesulfonic acid P-1-00120

[75407-14-6]

C₂H₇O₆PS M 190.1

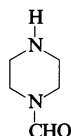
Hydrated solid. Mp 156°. Stable to 200°.

Doi, J.T. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1988, **35**, 173 (*salt, synth, ir, pmr, P-31 nmr*)
 Montoneti, E. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **55**, 111 (*synth, ir, pmr, P-31 nmr*)

1-Piperazinecarboxaldehyde, 9CI P-1-00121

N-Formylpiperazine

[7755-92-2]

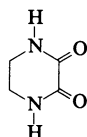
C₅H₁₀N₂O M 114.1Liq. d 1.11. Bp_{0.5} 94.7°.

Horrom, B.W. *et al*, *J.A.C.S.*, 1955, **77**, 753 (*synth*)

2,3-Piperazinedione, 9CI P-1-00122

2,3-Diketopiperazine

[13092-86-9]

C₄H₆N₂O₂ M 114.1

Solid. Mp 285° dec.

1-Et: [59702-31-7].

C₆H₁₀N₂O₂ M 142.1 Coml. available
 synth. intermediate.

1,4-Di-Me: [59417-06-0].

C₆H₁₀N₂O₂ M 142.1 Reacts with
 organometallic reagents to give α-
 diketones. Cryst. (PhMe). Mp 178-179°.

1,4-Didecyl: [156909-31-8].

C₂₄H₄₆N₂O₂ M 394.6 Reagent for the
 synth. of unsym. α-diketones. Cryst.
 (hexane). Mp 114-116°.

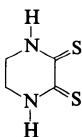
[59702-29-3]

Goulding, C.E. *et al*, *J.A.C.S.*, 1948, **70**, 1967
 (*synth*)

Saikawa, I. *et al*, *Yakugaku Zasshi*, 1977, **97**,
 980; *CA*, **88**, 105210p (*synth, monoalkyl
 derivs*)

Japan. Pat., 81 77 226, (1981); *CA*, **95**, 203994m
 (*synth, monoalkyl derivs*)

Mueller-Westerhoff, U.T. *et al*, *J.O.C.*, 1994, **59**,
 4988 (*synth, pmr, cmr, ms, use, dialkyl derivs*)

2,3-Piperazinedithione P-1-00123C₄H₆N₂S₂ M 146.2

N,N'-Di-Me:

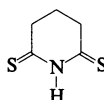
C₆H₁₀N₂S₂ M 174.2 Dark red needles
 (EtOH). Mp 228-230°.

Isaksson, R. *et al*, *J. Chem. Res., Miniprint*,
 1981, 664; *J. Chem. Res., Synop.*, 1981, 43.

2,6-Piperidinedithione, 9CI P-1-00124

Dithioglutarimide, 8CI

[5695-94-3]

C₅H₇NS₂ M 145.2

Orange-yellow cryst. (MeOH aq.). Mp 112°.

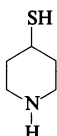
Berg, U. *et al*, *Acta Chem. Scand.*, 1966, **20**, 689
 (*synth, uv*)

Hoffmann, R. *et al*, *Annalen*, 1977, 1743 (*synth,
 ir, pmr*)

Gossauer, A. *et al*, *Annalen*, 1979, 1309 (*synth*)

4-Piperidinethiol, 9CI P-1-00125

4-Mercaptopiperidine

C₅H₁₁NS M 117.2

Hydrochloride: [99201-86-2].

Cryst. (EtOH).

1-Me: [1072-99-7].

C₆H₁₃NS M 131.2 Oil. Bp_{0.8} 62°,
 Bp_{0.04-0.05} 30-35°.

1-Me, hydrochloride: Cryst. Mp 172-173°.

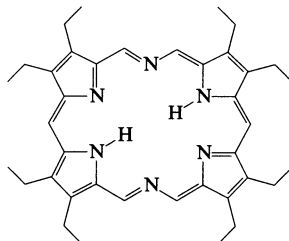
Barrera, H. *et al*, *J.O.C.*, 1962, **27**, 641 (*1-Me,
 synth*)

Engel, J. *et al*, *Arch. Pharm. (Weinheim, Ger.)*,
 1988, **321**, 821 (*synth, pmr*)

Meanwell, N.A. *et al*, *J. Med. Chem.*, 1993, **36**,
 3251 (*1-Me, synth, ir, pmr*)

Porphocyanine P-1-00126

[150990-73-1]

C₃₈H₄₈N₆ M 588.8

Green solid.

Dolphin, D. *et al*, *J.A.C.S.*, 1993, **115**, 9301
 (*synth, pmr, uv-vis*)

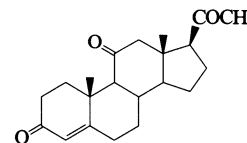
Xie, L.Y. *et al*, *Chem. Comm.*, 1994, 1475
 (*synth*)

Pregn-4-ene-3,11,20-trione, 9CI P-1-00127

Updated Entry replacing P-0-03138

11-Oxoprogesterone. *Ketogestin. Bio. 66. U*
 1258

[516-15-4]

C₂₁H₂₈O₃ M 328.4

Formerly used in the treatment of bovine acetonaemia. Anaesthetic. Cryst.

(Me₂CO/petrol). Mp 174.5-175.5° (171.5-
 173°). [α]_D²⁵ +270 (CHCl₃).

► Exp. reprod. effects. TU5513000.

[81800-93-3]

Reichstein, T. *et al*, *Helv. Chim. Acta*, 1940, **23**,
 688 (*synth*)

Ger. Pat., 1 111 179, (1959) (*Upjohn*); *CA*, **56**,
 4829 (*synth*)

Huang, S.L. *et al*, *Synthesis*, 1978, 297 (*synth*)
 Razzak, K.S.A. *et al*, *Biomed. Mass Spectrom.*,
 1980, **7**, 505 (*ms*)

Stork, G. *et al*, *J.A.C.S.*, 1982, **104**, 3758 (*synth*)

Ziegler, F.E. *et al*, *J.A.C.S.*, 1984, **106**, 718
 (*synth*)

Nemoto, H. *et al*, *J.C.S. Perkin 1*, 1986, 1621
 (*synth*)

Gupta, V.K. *et al*, *Acta Cryst. C*, 1994, **50**, 798
 (*cryst struct*)

1,3-Propanediphosphonous acid P-1-00128

1,3-Propanediylbisphosphonous acid, 9CI.

Trimethylenebisphosphonous acid, 8CI

C₃H₁₀O₄P₂ M 172.0

Bis(dichloride): [28240-70-2].

C₃H₆Cl₄P₂ M 245.8 Pungent liq. Bp₂
 93°. Easily hydrol.

Bis(dibromide): [86926-35-4].

C₃H₆Br₄P₂ M 423.6 Pungent liq.
 Bp_{0.1} 112°. Easily hydrol.

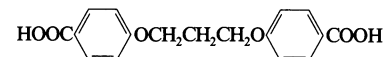
Sommer, K., *Z. Anorg. Allg. Chem.*, 1970, **376**,
 37 (*chloride, synth, P-31 nmr*)

Diemert, K. *et al*, *Chem. Ber.*, 1982, **115**, 1947
 (*bromide, synth, P-31 nmr*)

4,4'-[1,3-Propanediylbis(oxy)] bisbenzoic acid P-1-00129

4,4'-(Trimethylenedioxy)dibenzoic acid. 1,3-
 Diphenoxypropane-p,p'-dicarboxylic acid

[3753-81-9]

C₁₇H₁₆O₆ M 316.3Insol. H₂O. Mp 332-334° (310-312°).

Polymer with decanedioic acid: [90409-78-2].

Polifeprosan, INN. Polifeprosan 20, USAN.
 PCPP-SA. Biodel

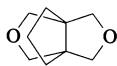
Biodegradable polyanhydride used as a
 drug-carrier matrix for controlled delivery
 applications.

McMillan, F.H., *J.A.C.S.*, 1952, **74**, 5229
 (*synth*)

Donahoe, H.B. *et al*, *J.O.C.*, 1961, **26**, 474 (synth)
 Leong, K.W. *et al*, *Polym. Prepr., (Am. Chem. Soc., Div. Polym. Chem.)*, 1984, **25**, 201 (synth, polifeprosan)
 Leong, K.W. *et al*, *J. Biomed. Mater. Res.*, 1985, **19**, 941 (use, polifeprosan)
 Domb, A.J. *et al*, *Polym. Mater. Sci. Eng.*, 1986, **55**, 746 (synth, polifeprosan)
 Ron, E. *et al*, *Macromolecules*, 1991, **24**, 2278 (pmr, cryst struct, polifeprosan)
 Tudor, A.M. *et al*, *Spectrochim. Acta A*, 1991, **47**, 1335 (polifeprosan, ir, Raman)
 Domb, A.J., *Macromolecules*, 1992, **25**, 12 (synth, polifeprosan)

4H,6H-3a,6a-Propano-1H,3H-furo[3,4-c]furan, 9CI **P-1-00130**
8CI

3,7-Dioxo[3.3.3]propellane
 [17853-49-5]



$C_9H_{14}O_2$ M 154.2
 Mp 155-157° (129-132°).

Altman, J. *et al*, *Tetrahedron*, 1967, **24**, 975 (synth, ir, pmr)

Weinges, K. *et al*, *Annalen*, 1971, **746**, 70 (synth)

Propanoic acid, 9CI **P-1-00131**

Updated Entry replacing P-0-03261

Propionic acid. Metacetic acid. Ethanecarboxylic acid
 [79-09-4]



$C_3H_6O_2$ M 74.0

Volatile component of human vaginal secretions. Gut flora metabolite, found in faeces. Manuf. by oxidation of naphtha or butane. Food preservative used esp. in bread and grain mold inhibitors. Also used in cellulose propionate manuf. Antifungal agent (and salts). Liq. with acrid odour. Misc. H_2O . d_4^{15} 0.999. Mp -21.5°. Bp 141.1°, Bp₁₀ 39.7°. Simple esters used as flavouring agents.

► Corrosive and mod. irritating to skin, eyes and respiratory tract. LD₅₀ (rat, ori) 3500 mg/kg. OES: long-term 10 ppm; short-term 15 ppm. UE5950000.

NH₄ salt: [17496-08-1].

V. hygroscopic cryst. Mp 45°.

K salt: [327-62-8].

Plates + 1H₂O (EtOH aq.). Mp > 300°.

Me ester: [554-12-1]. *Methyl propionate*
 $C_4H_8O_2$ M 88.1 Liq. d_4^0 0.939. Bp 79.7°. n_D^{20} 1.3770.

► Highly flammable, fl. p. -2°, autoignition temp. 469°. Skin irritant. UF5970000.

Et ester: [105-37-3]. *Ethyl propionate*

$C_5H_{10}O_2$ M 102.1 Water scavenger for alkoxide-catalysed condensations.

Used in fruity and rum flavour compositions. Liq. with fruity odour. Mod. sol. H_2O . d_4^{20} 0.891. Fp -73°. Bp 99°. n_D^{20} 1.3844.

► Flammable, fl. p. 12°, autoignition temp. 440/476°. Skin irritant. UF3675000.

Vinyl ester: [105-38-4].

$C_2H_6O_2$ M 100.1 Manuf. from acetylene + propanoic acid. Monomer for radical polym. Liq. Insol. H_2O . d^{20} 0.9203. n_D^{20} 1.4003. Q/e values for copolym., Q 0.027, e -0.68.

Propyl ester: [106-36-5]. *Propyl propionate*
 $C_6H_{12}O_2$ M 116.1 Liq. d^0 0.893. Bp 122°.

► Fl. p. 79° (oc). Skin irritant. UF7100000.

Isopropyl ester: [637-78-5]. *Isopropyl propionate*

$C_6H_{12}O_2$ M 116.1 Liq. d^0 0.893. Bp₇₅₀ 109-111°.

► Highly flammable, fl. p. 21°. UF5140000.

Butyl ester: [590-01-2]. *Butyl propionate*
 $C_7H_{14}O_2$ M 130.1 Liq. d_0^0 0.893. Bp 145.5°.

► Flammable, fl. p. 32°, autoignition temp. 426°. Skin irritant. UE8245000.

1-Methylpropyl ester: [591-34-4]. *1-Methylpropyl propanoate. sec-Butyl propionate*

$C_7H_{14}O_2$ M 130.1 Liq. d_4^{20} 0.866. Bp 132°. n_D^{25} 1.3938.

2-Methylpropyl ester: [540-42-1]. *2-Methylpropyl propanoate. Isobutyl propionate*

$C_7H_{14}O_2$ M 130.1 Liq. d_4^0 0.888. Bp 137°.

► Highly flammable, fl. p. 18°. UF4930000.

tert-Butyl ester: [20487-40-5]. *tert-Butyl propionate*

$C_7H_{14}O_2$ M 130.1 Liq. Bp 117-119°.

Pentyl ester: [624-54-4]. *Pentyl propanoate.*

Amyl propionate
 $C_8H_{16}O_2$ M 144.2 Liq. d_4^{15} 0.876. Fp -73.1°. Bp 168.7°. n_D^{15} 1.4096.

Benzyl ester: [122-63-4]. *Benzyl propionate*
 $C_{10}H_{12}O_2$ M 164.2 Liq. Bp 222°.

Ph ester: [637-27-4]. *Phenyl propionate*
 $C_9H_{10}O_2$ M 150.1 Prisms. Mp 20°. Bp 211°.

► Fl. p. 86°.

Fluoride: [430-71-7]. *Propionyl fluoride*

C_3H_5FO M 76.0 Liq. Bp 44°.

Chloride: [79-03-8]. *Propionyl chloride*

C_3H_5ClO M 92.5 Liq. Bp 80°.

► Highly flammable, fl. p. 12°. Corrosive and irritating to skin, eyes and mucous membranes. Reacts violently with H_2O . UG6657000.

Bromide: [598-22-1]. *Propionyl bromide*

C_3H_5BrO M 136.9 Liq. d^{16} 1.521. Bp 103-103.6°. n_D^{16} 1.4578.

Iodide: [598-40-3]. *Propionyl iodide*

C_3H_5IO M 183.9 Yellowish liq. Bp 127-128°, Bp₃₀ 75°, Bp₅₀ 52-53°.

Amide: [79-05-0]. *Propanamide, 9CI.*

Propionamide

C_3H_7NO M 73.0 Plates (C_6H_6). Mp 79°. Bp 222.2°. Steam-volatile.

Amide, N-Ac: [19264-34-7].

$C_5H_9NO_2$ M 115.1 Mp 86°. Bp 230-240°.

Methylamide: [1187-58-2].

d 0.93. Mp -43°. Bp₉₀ 146°. n_D^{20} 1.4360.

Dimethylamide: [758-96-3].

$C_5H_{11}NO$ M 101.1 Liq. Bp 165-178°.

► UE3810000.

Diethylamide: [1114-51-8].

$C_7H_{15}NO$ M 129.2 Bp₁₂ 77°. n_D^{20} 1.4420.

Anilide: [620-71-3]. *Propionanilide*

$C_9H_{11}NO$ M 149.1 Cryst. (C_6H_6). Bp 104-104.5°.

Hydrazide: [5818-15-5].

$C_3H_8N_2O$ M 88.1 Sol. H_2O ; spar. sol. Et_2O . Mp 40°. Bp₁₆ 130°.

Nitrile: [107-12-0]. *Propionitrile. Ethyl cyanide. Cyanoethane*

C_3H_5N M 55.0 Liq. with ethereal odour. Part. misc. H_2O . Fp -103.5°. Bp 97°.

► Rapidly absorbed through skin. One of the most toxic organic cyanides known. Highly flammable, fl. p. 2°. Skin and eye irritant. LD₅₀ (rat, ori) 39 mg/kg. LD₅₀ (rbt, skn) 210 mg/kg. LC₅₀ (mus, ihl) 163 ppm (1h exposure). UF6250000.

Anhydride: [123-62-6]. *Propionic anhydride*

$C_6H_{10}O_3$ M 130.1 Liq. Bp 168.4-168.8°, Bp₁₈ 67.5°.

► Flammable. Corrosive and irritating to skin, eyes and mucous membranes. UF9100000.

Aldrich Library of ¹³C and ¹H FT NMR Spectra, **1**, 751C, 904A, 904B, 904C, 905A, 905B, 905C, 1165C, 1188B, 1188C, 1219A, 1235A, 1243C, 1244A, 1351B (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., **1**, 27C, 481D, 603D, 604A, 604B, 711B, 724D, 747C, 761A, 837B (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, **3**, 573D, 611C, 611D, 612A, 612B, 612C, 612D, 761A, 766D, 777C, 781A, 783C, 783D, 795B (ir)

Hardy, D.V.N. *et al*, *J.C.S.*, 1936, 358, 364 (synth)

Kirk-Othmer Encycl. Chem. Technol., 2nd edn., Wiley, New York, 1963-1971, **16**, 554 (rev)

Crispin, P.D. *et al*, *Aust. J. Chem.*, 1967, **20**, 2589 (amide)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1967, **1**, 385 (ester)

Bevington, J.C. *et al*, *Eur. Polym. J.*, 1968, **4**, 373 (polym, vinyl ester)

Ger. Pat., 2 324 765, (1974); *CA*, **80**, 70359z (ester)

Michael, R.P. *et al*, *Science (Washington, D.C.)*, 1974, **186**, 1217 (sex attractant)

Mondal, M.A.S. *et al*, *Tetrahedron*, 1974, **30**, 4205 (synth, vinyl ester)

Williamson, K.L. *et al*, *J. Magn. Reson.*, 1978, **30**, 367 (cmr)

Greenley, R.Z., *J. Macromol. Sci., Chem., Part A*, 1980, **14**, 427 (Q/e values, vinyl ester)

Maccoll, A., *Int. J. Mass Spectrom. Ion Processes*, 1988, **86**, 227 (ms)

Lewis, R.J., *Food Additives Handbook*, Van Nostrand Reinhold International, New York, 1989, EPB500, PMU750.

Keinan, E. *et al*, *J.O.C.*, 1990, **55**, 3922 (iodide)

Edwards, H.G.M. *et al*, *J. Mol. Struct.*, 1991, **248**, 237 (ir, Raman)

Yokoyama, I. *et al*, *Bull. Chem. Soc. Jpn.*, 1993, **66**, 400 (ir, Raman)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, London, 1993, 331.

Yang, H. *et al*, *Synth. Commun.*, 1994, **24**, 3269 (esters)

Patty's Ind. Hyg. Toxicol. (3rd Rev. edn.), Vol. 2, Wiley, 1980, 4911.

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BS1500, EPB500, MOT000, PMU750, PMV000, PMV250, PMV500, PMV750, PMW500, PNU000.

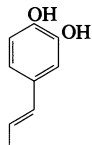
Ethel Browning's Toxicity and Metabolism of Industrial Solvents, 2nd edn., (Snyder, R., Ed.), Elsevier, Volume 2, 1990, 354 (propionitrile)

Bretherick, L., *Handbook of Reactive Chemical Hazards*, 4th edn., Butterworth, London and Boston, 1990, 1092, 1108, 1520, 1849, 2350, 2677.

Luxon, S.G., *Hazards in the Chemical Laboratory*, 5th edn., Royal Society of Chemistry, Cambridge, 1992, 1068, 1069.

4-(1-Propenyl)-1,2-benzenediol, 9CI **P-1-00132**

[72898-29-4]



$C_9H_{10}O_2$ M 150.1

Isol. (as di-Me ether) from *Solidago* sp.

(E)-form

2-Et ether: [63477-41-8]. 2-Ethoxy-5-(1-propenyl)phenol, 9CI. Isosafroegenole.

Propenylguaethole

$C_{11}H_{14}O_2$ M 178.2 Mp 86-88°.

[94-86-0]

Aldrich Library of FT-IR Spectra, 1st edn., 3, 1027D (ir)

Aldrich Library of NMR Spectra, 1, 886C (pmr)

Bohlmann, F. et al, *Phytochemistry*, 1980, 19, 2655 (isol)

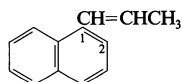
Klungsoeyr, J. et al, *Biomed. Mass Spectrom.*, 1982, 9, 323 (metab, glc)

Radhakrishna, A.S. et al, *Synth. Commun.*, 1991, 21, 379 (synth)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th Ed., Van Nostrand-Reinhold, 1992, IRY000.

1-(1-Propenyl)naphthalene, 9CI **P-1-00133**

[22767-77-7]



$C_{13}H_{12}$ M 168.2

Yellow oil. Bp₁₀ 139-140°. Pure E- and Z-isomers have not been reported.

[53269-00-4, 53269-01-5]

Fieser, L.F. et al, *J.A.C.S.*, 1938, 60, 1658 (synth)

Kon, G.A.R. et al, *J.C.S.*, 1949, 2725 (synth)

Bohlmann, F. et al, *Tetrahedron*, 1974, 30, 1011 (ms)

Boudjouk, P. et al, *J. Organomet. Chem.*, 1978, 155, C13 (synth, pmr)

Anderson, J.E. et al, *J.C.S. Perkin 2*, 1987, 955 (pmr, conformn)

2-(1-Propenyl)naphthalene, 9CI **P-1-00134**

[51051-94-6]

$C_{13}H_{12}$ M 168.2

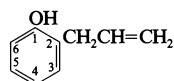
Solid. Mp 28°. Config. not given.

Kon, G.A.R. et al, *J.C.S.*, 1949, 2725 (synth)

2-(2-Propenyl)phenol, 9CI **P-1-00135**

2-Allylphenol

[1745-81-9]



$C_9H_{10}O$ M 134.1

Liq. Bp₁₆ 106°, Bp_{3.5} 78-80°.

Bruce, J.M. et al, *J.C.S. Perkin 1*, 1981, 2677 (synth)

Bigi, F. et al, *Synthesis*, 1981, 310 (synth)

Alberola, A. et al, *J.C.S. Perkin 1*, 1983, 1209 (synth, pmr)

3-(2-Propenyl)phenol, 9CI **P-1-00136**

3-Allylphenol

[1446-24-8]

$C_9H_{10}O$ M 134.1

Liq.

Kitamura, T. et al, *Tetrahedron*, 1978, 34, 3451 (synth, pmr)

2-(2-Propenyl)pyridine, 9CI **P-1-00137**

2-Allylpyridine

[2835-33-8]



C_8H_9N M 119.1

Liq. Bp₁₂ 63-65°.

Picrate: Yellow cryst. (EtOH). Mp 121.5-122°, Mp 157-161°.

Gilman, H. et al, *J.A.C.S.*, 1957, 79, 1245 (synth)

Wibaut, J.P. et al, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1958, 77, 123 (synth)

Yingst, R.E. et al, *Inorg. Chem.*, 1964, 3, 1177 (synth)

Hanessian, S. et al, *Synthesis*, 1987, 409 (synth, ir, pmr)

3-(2-Propenyl)pyridine, 9CI **P-1-00138**

3-Allylpyridine

[7300-28-9]

C_8H_9N M 119.1

Liq. Bp₁₈ 78°.

Picrate: Cryst. Mp 109.2-109.6°.

Wibaut, J.P. et al, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1952, 71, 798 (synth)

Ishikura, M. et al, *Heterocycles*, 1985, 23, 117 (synth)

Ishikura, M. et al, *J. Het. Chem.*, 1987, 24, 377 (synth, ir, pmr)

4-(2-Propenyl)pyridine, 9CI **P-1-00139**

4-Allylpyridine

[80880-49-5]

C_8H_9N M 119.1

Liq. Bp₁₈ 90°.

Picrate: Cryst. Mp 167.5-168.5°.

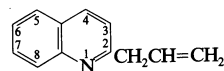
Gilman, H. et al, *J.A.C.S.*, 1957, 79, 1245 (synth)

Ishikura, M. et al, *J. Het. Chem.*, 1987, 24, 377 (synth, ir, pmr)

2-(2-Propenyl)quinoline, 9CI **P-1-00140**

2-Allylquinoline

[33328-29-9]



$C_{12}H_{11}N$ M 169.2

Oil. Attempts at purifn. lead to mixts. with (E)- and (Z)-2-(1-propenyl)quinoline.

Thorsett, E.D. et al, *J. Het. Chem.*, 1973, 10, 243 (synth, pmr)

Wakabayashi, S. et al, *Bull. Chem. Soc. Jpn.*, 1989, 62, 2338 (synth, pmr)

3-(2-Propenyl)quinoline, 9CI **P-1-00141**

3-Allylquinoline

[111678-25-2]

$C_{12}H_{11}N$ M 169.2

Bp₁ 110°.

Picrate: [111678-66-1].

Mp 179-180°.

Ishikura, M. et al, *J. Het. Chem.*, 1987, 24, 377 (synth, ir, pmr)

4-(2-Propenyl)quinoline, 9CI **P-1-00142**

4-Allylquinoline

[59647-04-0]

$C_{12}H_{11}N$ M 169.2

Akiba, K. et al, *Tet. Lett.*, 1982, 23, 1709 (synth)

8-(2-Propenyl)quinoline, 9CI **P-1-00143**

8-Allylquinoline

[73038-02-5]

$C_{12}H_{11}N$ M 169.2

Oil.

Suggs, J.W. et al, *J.O.C.*, 1980, 45, 1514 (synth, ir, pmr)

4-Propyl-4-heptylamine **P-1-00144**

4-Propyl-4-heptanamine, 9CI. 1,1-Dipropylbutylamine. Tripropylmethylamine.

Diprobutine, INN, BAN

[61822-36-4]

$(H_3CCH_2CH_2)_3CNH_2$

$C_{10}H_{23}N$ M 157.2

Exhibits anticholinergic activity.

Antiparkinsonian agent. Never marketed.

▶ LD₅₀ (rat, orl) 135 mg/kg. LD₅₀ (rat, ipr) 23 mg/kg. MI7630000.

Hydrochloride: [56065-37-3]. LCG 21519

Cryst. Mp 220° subl.

▶ MI7632000.

Fumarate: Mp 216° subl.

Belg. Pat., 834 298, (1976) (Labaz); CA, 86, 71886e (synth, pharmacol)

Pigerol, C. et al, *Eur. J. Med. Chem. (Chim. Ther.)*, 1977, 12, 351 (synth, pharmacol)

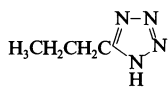
Hillier, K. et al, *Drugs of the Future*, 1978, 3, 454 (rev)

Chemouilli, P. et al, *Eur. J. Pharmacol.*, 1985, 117, 205 (pharmacol)

Davies, C.L. et al, *J. Chromatogr.*, 1985, 339, 186 (glc)

5-Propyl-1*H*-tetrazole, 9CI **P-1-00145**

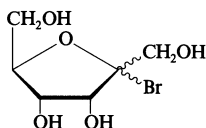
[14389-13-0]



$C_4H_8N_4$ M 112.1
Waxy solid. Mp 63-64° (56-58°).

Finnegan, W.G. *et al*, *J.A.C.S.*, 1958, **50**, 3908
(*synth*)

Thomas, E.W. *et al*, *Synthesis*, 1993, 767 (*synth*,
pmr, *ir*, *ms*)

Psicofuranosyl bromide **P-1-00146**

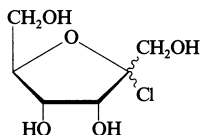
$C_6H_{11}BrO_5$ M 243.0

***D*-form**

Tetrabenzoyl: [54401-10-4].

$C_{34}H_{27}BrO_9$ M 659.4 Semi-cryst.

Prisbe, E.J. *et al*, *J.O.C.*, 1976, **41**, 1836
(*tetrabenzoyl*)

Psicofuranosyl chloride **P-1-00147***D*-Furanose-form

$C_6H_{11}ClO_5$ M 198.6

***D*-form**

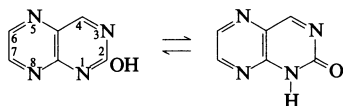
Tetrabenzoyl: [13019-85-7].

$C_{34}H_{27}ClO_9$ M 615.0 Syrup.

Grouiller, A. *et al*, *Acta Chem. Scand., Ser. B*,
1984, **38**, 367 (*tetrabenzoyl*)

2-Pteridinol **P-1-00148**

2(*1H*)-Pteridinone, 9CI. 2-Hydroxypteridine
[2432-24-8]



$C_6H_4N_4O$ M 148.1

Adds water reversibly; exists predominantly
as a covalent hydrate of 1*H*-oxo-form.

Monohydrate: 3,4-Dihydro-4-hydroxy-2(*1H*)-
pteridinone. 3,4-Dihydro-2,4-
dihydroxypteridine

$C_6H_4N_4O_2$ M 166.1 Needles (H₂O).
Mp 240° dec.

[25911-76-6]

Albert, A. *et al*, *J.C.S.*, 1951, 474 (*synth*)

Brown, D.J. *et al*, *J.C.S.*, 1956, 3443 (*ir*, *uv*,
tautom)

Inoue, Y. *et al*, *J.C.S.*, 1962, 2600 (*uv*)

6-Pteridinol **P-1-00149**

6(*5H*)-Pteridinone, 9CI. 6-Hydroxypteridine
[2432-26-0]

$C_6H_4N_4O$ M 148.1

Adds water reversibly; exists predominantly
as a covalent hydrate of 5*H*-6-oxo-form.

Monohydrate: [10577-47-6]. 7,8-Dihydro-7-
hydroxy-6(*5H*)-pteridinone, 9CI. 7,8-
Dihydro-6,7-dihydroxypteridine

$C_6H_6N_4O_2$ M 166.1 Cryst. (H₂O).

Albert, A. *et al*, *J.C.S.*, 1952, 1620; 1955, 2690
(*synth*)

Brown, D.J. *et al*, *J.C.S.*, 1956, 3443 (*ir*, *uv*,
tautom)

Inoue, Y. *et al*, *J.C.S.*, 1962, 2600 (*uv*,
hydration)

7-Pteridinol **P-1-00150**

7(*8H*)-Pteridinone, 9CI. 7-Hydroxypteridine
[2432-27-1]

$C_6H_4N_4O$ M 148.1

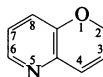
Cryst. (H₂O). Dec. slowly >230°.

Albert, A. *et al*, *J.C.S.*, 1952, 1620; 1956, 4621
(*synth*)

Brown, D.J. *et al*, *J.C.S.*, 1956, 3443 (*ir*, *uv*,
tautom)

2*H*-Pyrano[3,2-*b*]pyridine, 9CI **P-1-00151**

[4767-91-3]



C_8H_7NO M 133.1

Oil. Bp₁ 63°.

Bruhn, J. *et al*, *Helv. Chim. Acta*, 1978, **61**, 2542
(*synth*, *pmr*, *uv*, *ms*)

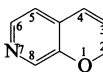
Sliwa, H. *et al*, *Heterocycles*, 1979, **12**, 493

(*synth*, *pmr*, *ir*)

Sliwa, H. *et al*, *Synthesis*, 1993, 881 (*synth*, *pmr*,
cmr, *ir*, *ms*)

2*H*-Pyrano[2,3-*c*]pyridine, 9CI **P-1-00152**

[767-93-1]



C_8H_7NO M 133.1

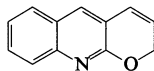
Bp₄ 95°. n_D^{20} 1.5906.

Sliwa, H. *et al*, *Tet. Lett.*, 1991, **32**, 627 (*synth*)

Sliwa, H. *et al*, *Synthesis*, 1993, 881 (*synth*, *pmr*,
cmr, *ir*, *ms*)

2*H*-Pyrano[2,3-*b*]quinoline **P-1-00153**

[261-03-0]



$C_{12}H_9NO$ M 183.2

Mp 144-146°.

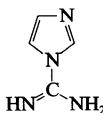
Cziąky, Z. *et al*, *J. Het. Chem.*, 1994, **31**, 701.

1*H*-Pyrazole-1- **P-1-00154****carboximidamide, 9CI**

1-Guanylpiprazole. Pyrazole-1-carboximidine.

Praxadine, INN

[4023-00-1]



$C_4H_6N_4$ M 110.1

Analgesic, antiinflammatory agent. Never
marketed. Mp 97-101°.

Hydrochloride: [4023-02-3].

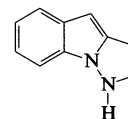
Cryst. (H₂O). Mp 170-171°.

Picrate: Mp 208°.

[39111-57-4]

Bredereck, H. *et al*, *Chem. Ber.*, 1965, **98**, 3178
(*synth*)

U.S. Pat., 3 925 552, (1975) (*Fuweau*); *CA*, **84**,
180208q (*synth*, *pharmacol*)

1*H*-Pyrazolo[1,5-*a*]indole **P-1-00155**

$C_{10}H_8N_2$ M 156.1

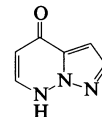
N-Me: [146979-87-5].

$C_{11}H_{10}N_2$ M 170.2 Pink cryst.
(CH₂Cl₂/pentane). Mp 104°.

Shen, J.K. *et al*, *J.C.S. Perkin 1*, 1994, 1871
(*synth*, *pmr*, *cmr*, *uv*)

Pyrazolo[1,5-*b*]pyridazin-4(*7H*)-one, 9CI **P-1-00156**

[151554-78-8]



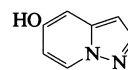
$C_6H_5N_3O$ M 135.1

No phys. props. descr.

Blake, A.J. *et al*, *Chem. Comm.*, 1993, 840
(*synth*)

Pyrazolo[1,5-*a*]pyridin-5-ol **P-1-00157**

5-Hydroxypyrazolo[1,5-*a*]pyridine
[156969-42-5]



$C_7H_6N_2O$ M 134.1

Pale yellow solid by subl. Mp 217° dec.

Ac: [156969-43-6].

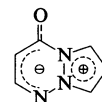
$C_9H_8N_2O_2$ M 176.1 Pale yellow
needles. Mp 67-67.5°.

Brown, R.F.C. *et al*, *Aust. J. Chem.*, 1994, **47**,
991 (*synth*, *uv*, *pmr*, *cmr*)

Pyrazolo[1,2-*a*][1,2,3]triazin-5-ium-4-olate **P-1-00158**

4-Hydroxypyrazolo[1,2-*a*][1,2,3]triazin-5-ium
inner salt, 9CI

[151554-76-6]

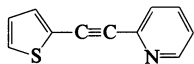


$C_6H_5N_3O$ M 135.1

Cryst.

Blake, A.J. *et al*, *Chem. Comm.*, 1993, 840
(*synth*, *cryst struct*)

(2-Pyridinyl)(2-thienyl)acetylene **P-1-00159**
2-(2-Thienylethynyl)pyridine, 9CI
[93297-80-4]



$C_{11}H_7NS$ M 185.2
Cryst. by subl. Mp 52-54°.

Novak, I. *et al*, *J.C.S. Perkin 2*, 1994, 1771
(*synth, uv, pmr, pe*)

(2-Pyridinyl)(3-thienyl)acetylene **P-1-00160**
2-(3-Thienylethynyl)pyridine, 9CI
[157798-74-8]

$C_{11}H_7NS$ M 185.2
Mp 56-58°.

Novak, I. *et al*, *J.C.S. Perkin 2*, 1994, 1771
(*synth, uv, pmr, pe*)

(3-Pyridinyl)(2-thienyl)acetylene **P-1-00161**
3-(2-Thienylethynyl)pyridine, 9CI
[157798-73-7]

$C_{11}H_7NS$ M 185.2
Mp 41-41.5°.

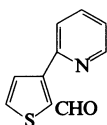
Novak, I. *et al*, *J.C.S. Perkin 2*, 1994, 1771
(*synth, uv, pmr, pe*)

(3-Pyridinyl)(3-thienyl)acetylene **P-1-00162**
3-(3-Thienylethynyl)pyridine, 9CI
[157798-75-9]

$C_{11}H_7NS$ M 185.2
Mp 63.5-64°.

Novak, I. *et al*, *J.C.S. Perkin 2*, 1994, 1771
(*synth, uv, pmr, pe*)

3-(2-Pyridinyl)-2-thiophenecarboxaldehyde **P-1-00163**
2-Formyl-3-(2-pyridinyl)thiophene



$C_{10}H_7NOS$ M 189.2
Mp 72-74°.

Zhang, Y. *et al*, *J. Het. Chem.*, 1995, 32, 435
(*synth, pmr, cmr*)

3-(3-Pyridinyl)-2-thiophenecarboxaldehyde, 9CI **P-1-00164**
2-Formyl-3-(3-pyridinyl)thiophene
[169701-91-1]

$C_{10}H_7NOS$ M 189.2
Mp 128-129.5°.

Zhang, Y. *et al*, *J. Het. Chem.*, 1995, 32, 435
(*synth, pmr, cmr*)

3-(4-Pyridinyl)-2-thiophenecarboxaldehyde **P-1-00165**
2-Formyl-3-(4-pyridinyl)thiophene
 $C_{10}H_7NOS$ M 189.2

Mp 77-80°.
Zhang, Y. *et al*, *J. Het. Chem.*, 1995, 32, 435
(*synth, pmr, cmr*)

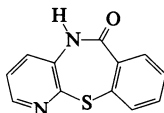
4-(3-Pyridinyl)-2-thiophenecarboxaldehyde **P-1-00166**
2-Formyl-4-(3-pyridinyl)thiophene
 $C_{10}H_7NOS$ M 189.2
Mp 107-109°.

Zhang, Y. *et al*, *J. Het. Chem.*, 1995, 32, 435
(*synth, pmr, cmr*)

4-(4-Pyridinyl)-2-thiophenecarboxaldehyde **P-1-00167**
2-Formyl-4-(4-pyridinyl)thiophene
 $C_{10}H_7NOS$ M 189.2
Mp 98-101.5°.

Zhang, Y. *et al*, *J. Het. Chem.*, 1995, 32, 435
(*synth, pmr, cmr*)

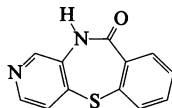
Pyrido[2,3-b][1,4]benzothiazepin-6(5H)-one, 9CI **P-1-00168**
[106515-31-5]



$C_{12}H_8N_2OS$ M 228.2
Solid. Mp 205-206°.

Liègeois, J.-F.F. *et al*, *J. Med. Chem.*, 1994, 37, 519 (*synth*)

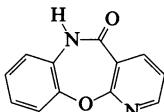
Pyrido[4,3-b][1,4]benzothiazepin-10(11H)-one, 9CI **P-1-00169**
[106515-32-6]



$C_{12}H_8N_2OS$ M 228.2
Solid. Mp 244-246°.

Liègeois, J.-F.F. *et al*, *J. Med. Chem.*, 1994, 37, 519 (*synth, ir, pmr*)

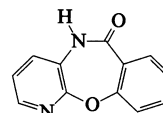
Pyrido[2,3-b][1,5]benzoxazepin-5(6H)-one **P-1-00170**
[10189-46-5]



$C_{12}H_8N_2O_2$ M 212.2
Needles (dioxan or MeOH). Mp 260°.

Hoffman, C. *et al*, *Bull. Soc. Chim. Fr.*, 1966, 2316 (*synth*)

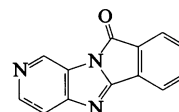
Pyrido[2,3-b][1,4]benzoxazepin-6(5H)-one, 9CI **P-1-00171**
[14470-90-7]



$C_{12}H_8N_2O_2$ M 212.2
Solid. Mp 268-269°.

Liègeois, J.-F.F. *et al*, *J. Med. Chem.*, 1994, 37, 519 (*synth*)

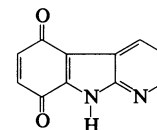
10H-Pyrido[4',3':4,5]imidazo[2,1-a]isoindol-10-one, 9CI **P-1-00172**
Isoindolo[2,1-a]imidazo[5,4-c]pyridin-10-one
[158530-99-5]



$C_{13}H_7N_3O$ M 221.2
Solid. Mp >200°.

Meegalla, S.K. *et al*, *J. Med. Chem.*, 1994, 37, 3434 (*synth, ir, pmr, cmr*)

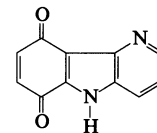
1H-Pyrido[2,3-b]indole-5,8-dione, 9CI **P-1-00173**
 α -Carboline-6,9-quinone
[128040-59-5]



$C_{11}H_6N_2O_2$ M 198.1
Bright red cryst. ($CHCl_3$). Mp >200° dec.

Parrick, J. *et al*, *J. Chem. Res., Synop.*, 1990, 1, 201 (*synth, ir, pmr, ms*)
Mehta, L.K. *et al*, *J.C.S. Perkin 1*, 1993, 1261 (*synth*)

5H-Pyrido[3,2-b]indole-6,9-dione **P-1-00174**
 δ -Carboline-6,9-quinone
[151598-80-0]

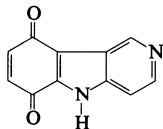


$C_{11}H_6N_2O_2$ M 198.1
Orange cryst. ($CHCl_3$).

Mehta, L.K. *et al*, *J.C.S. Perkin 1*, 1993, 1261 (*synth, ir, pmr, ms*)

5H-Pyrido[4,3-b]indole-6,9-dione P-1-00175

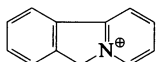
γ-Carboline-6,9-quinone
[151598-76-4]



$C_{11}H_6N_2O_2$ M 198.1
Dark red cryst. (MeOH/petrol). Mp > 300°
dec. > 200°.
Mehta, L.K. *et al*, *J.C.S. Perkin 1*, 1993, 1261
(*synth*, *ir*, *pmr*, *ms*)

6H-Pyrido[2,1-a] P-1-00176

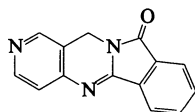
isoindolium(1+), 9CI
6H-Benz[a]indolizinium
[13388-06-2]



$C_{12}H_{10}N^{\oplus}$ M 168.2 (ion)
Bromide: [13160-91-3].
 $C_{12}H_{10}BrN$ M 248.1 Cryst. +
0.5H₂O. Mp 207.5-209.5°. λ_{max} 256 (ε
4.14), 313 nm (4.02) in H₂O.
Perchlorate: [81123-84-4].
 $C_{12}H_{10}ClNO_4$ M 267.6 Cryst.
Fozard, A. *et al*, *J.O.C.*, 1967, 32, 2966 (*synth*,
uv)
Romanov, N.N. *et al*, *Ukr. Khim. Zh. (Russ.
edn.)*, 1981, 47, 1280; *CA*, 96, 124505v (*synth*)
Kovtunen, V.A. *et al*, *Ukr. Khim. Zh. (Russ.
edn.)*, 1985, 51, 976; *CA*, 104, 167711k
(*struct*)

Pyrido[4',3':4,5]pyrimido[2,1- P-1-00177

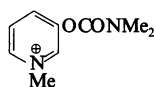
a]isoindol-10(12H)-one, 9CI
Isoidolo[2,1-a]pyrimidino[4,3-d]pyridin-
10(12H)-one
[158530-98-4]



$C_{14}H_8N_3O$ M 235.2
Dark purple solid. Mp 254-256°.
Meegalla, S.K. *et al*, *J. Med. Chem.*, 1994, 37,
3434 (*synth*, *pmr*, *ir*, *cmr*)

Pyridostigmine(1+) P-1-00178

Updated Entry replacing P-0-04159
3-[[*(Dimethylamino)carbonyloxy*]-1-
methylpyridinium, 9CI. 3-Hydroxy-1-
methylpyridinium dimethylcarbamate, 8CI
[155-97-5]



$C_9H_{13}N_2O_2^{\oplus}$ M 181.2 (ion)
▶ UU5283000.

Bromide: [101-26-8]. *Pyridostigmine bromide*,
BAN, *USAN*, *INN*, *JAN*. *Kalymin*. *Mestinon*.
Regonol. *Ro 1-5130*

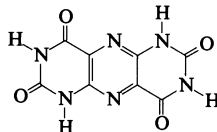
$C_9H_{13}BrN_2O_2$ M 261.1 Cholinergic
agent. Prophylactic for military nerve
agent poisoning. Used in treatment of
myasthenia gravis. Hygroscopic cryst.
(EtOH). Sol. H₂O. Mp 152-154°.
▶ Potential contact sensitizer. LD₅₀ (rat, orl)
37.5 mg/kg. UU5270000.

Swiss Pat., 246 834, (1947); *CA*, 43, 5050 (*synth*)
Millner, E.O. *et al*, *J. Med. Chem.*, 1974, 17, 13
(*synth*, *pharmacol*)
Breyer-Pfaff, U. *et al*, *Clin. Pharmacol. Ther.*
(*St. Louis*), 1985, 37, 495 (*pharmacol*)
Inns, R.H. *et al*, *Clinical and Experimental
Toxicology of Organophosphates and
Carbamates*, (eds. Ballantyne, B., *et al*)
Butterworth-Heinemann, Oxford, 1992, 602
(*use*)
Martindale, *The Extra Pharmacopoeia*, 30th
edn., Pharmaceutical Press, London, 1993,
1120.
Lewis, R.J., *Sax's Dangerous Properties of
Industrial Materials*, 8th edn., Van Nostrand
Reinhold, 1992, MDL600, PPI800.

2,4,7,9(1H,3H,6H,8H)- P-1-00179

Pyrimido[4,5-g]pteridine-

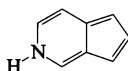
2,4,7,9(3H,8H)-tetrone



$C_8H_4N_6O_4$ M 248.1
N,N',N'',N'''-Tetra-Me: [7464-89-3]. 1,6-
*Dihydro-1,3,6,8-tetramethylpyrimido[4,5-g]
pteridine-2,4,7,9(3H,8H)-tetrone*, 9CI
 $C_{12}H_{12}N_6O_4$ M 304.2 Yellow prisms
(DMF). Mp 358-360°.
Yoneda, F. *et al*, *Chem. Pharm. Bull.*, 1971, 19,
1064 (*N-tetra-Me*)
Romerosa, A. *et al*, *Acta Cryst. C*, 1995, 51,
1005 (*cryst struct*, *N-tetra-Me*)

2H-2-Pyridine, 9CI, 8CI P-1-00180

Cyclopenta[c]pyridine
[270-58-6]



2H-form

C_8H_7N M 117.1
This compd. has not been reported.
Investigated theoretically.

Treibs, W. *et al*, *Annalen*, 1962, 652, 192.
Raimondi, M. *et al*, *Gazz. Chim. Ital.*, 1968, 98,
433.
Evleth, E.M., *Theor. Chim. Acta*, 1970, 16, 22.
Fabian, J., *Z. Phys. Chem.*, 1979, 260, 81.

1H-Pyrrole-1-propanoic acid P-1-00181

[89059-06-3]



$C_7H_9NO_2$ M 139.1
Cryst. (Et₂O/petrol). Mp 62.5° (59-60°).
Bp_{0.4} 114°.
Me ester: [99233-38-2].
 $C_8H_{11}NO_2$ M 153.1 Bp₁₆ 114-115°.

Nitrile: [43036-06-2]. 1H-Pyrrole-1-
propanenitrile, 9CI. 1-(2-Cyanoethyl)-1H-
pyrrole
 $C_7H_8N_2$ M 120.1 Bp₂₀ 84°.
[50463-83-7]

Braunholz, J.T. *et al*, *J.C.S.*, 1962, 4346 (*synth*)
Evans, D.L. *et al*, *J.O.C.*, 1979, 44, 497 (*nitrile*)
Jefford, C.W. *et al*, *Helv. Chim. Acta*, 1983, 66,
2666 (*synth*)

1H-Pyrrole-2-propanoic acid P-1-00182

$C_7H_9NO_2$ M 139.1
Small plates (C₆H₆/petrol). Mp 85-86°. Bp_{0.5}
130-135°.
Me ester: [69917-80-2].
 $C_8H_{11}NO_2$ M 153.1 Liq. Mp 8-11°.
Bp_{0.3} 75°.

[39319-38-5, 55490-37-4, 55490-38-5, 55490-39-6]
Kutscher, W. *et al*, *Hoppe Seyler's Z. Physiol.
Chem.*, 1952, 289, 229 (*synth*)
Harley-Mason, J., *J.C.S.*, 1952, 2433 (*synth*)
Cavalleri, B. *et al*, *Farmacol. Ed. Sci.*, 1975, 30,
110 (*synth*, *derivs*)
Bates, H.A. *et al*, *J.A.C.S.*, 1979, 101, 1259.
Bertschy, H. *et al*, *Angew. Chem., Int. Ed.*, 1990,
29, 777 (*synth*)

1H-Pyrrole-3-propanoic acid P-1-00183

3-(3-Pyrrolyl)propionic acid
[134448-22-9]

$C_7H_9NO_2$ M 139.1
Amide: [152509-75-6]. 1H-Pyrrole-3-
propanamide. *Cystamidin A*
 $C_7H_{10}N_2O$ M 138.1 Prod. by
Streptomyces sp. KP-1241. Calpain
inhibitor. Powder. Mp 146-148°.

[107748-37-8, 150985-69-6]
Eur. Pat., 569 122, (1993); *CA*, 120, 105131
(*Cystamidin A*, *isol*, *pmr*, *cmr*, *uv*, *ir*)
Hodges, L.M. *et al*, *J.O.C.*, 1993, 58, 4788 (*Me
ester*)

Pyrrolidine, 9CI, 8CI P-1-00184

Updated Entry replacing P-0-04275
Tetrahydropyrrole. *Tetramethyleneimine*.
Azacyclopentane
[123-75-1]



C_4H_9N M 71.1
Present in tobacco and carrot leaves (*Daucus
carota*) (Umbelliferae). Widely distributed
in trace amts., presumably as bacterial
decarboxylation prod. of proline. Manuf.
by catalytic reaction of NH₃ with
tetrahydrofuran or butanediol. Widely
used org. base, used in the prep. of
enamines. Reagent used in the ms detn. of
the position of double bonds and of
methyl branching in fatty acids. Liq. with
odour resembling Piperidine, P-0-02980.
Misc. H₂O. d₄²⁰ 0.8618. Fp -63°. Bp 88.5-
89°. pK_a 11.31 (25°). Fumes in air.
Strongly alkaline.

▶ Highly flammable, fl. p. 3°. Skin, eye and
respiratory tract irritant. LD₅₀ (rat, orl)
300 mg/kg. UX9650000.

Hempicrate: Dark-red cryst. Mp 163-164°.
Monopicate: [1689-56-1].
Yellow needles (EtOH). Mp 112°.

N-Ac: [4030-18-6].
 $C_6H_{11}NO$ M 113.1 Liq. Bp 224-225°.

N-Benzoyl: [3389-54-6].
 $C_{11}H_{13}NO$ M 175.2 Liq. Bp₂₀ 187°.

N-Nitroso: [930-55-2].
 $C_4H_8N_2O$ M 100.1 Found in fried bacon, tobacco smoke. Oil. Bp 214°. n_D^{20} 1.4900.
 ► Exp. hepatocarcinogen. UY1575000.

N-Me: see 1-Methylpyrrolidine, M-0-04515

N-Et: [7335-06-0].
 $C_6H_{13}N$ M 99.1 Liq. Bp₁₀₀ 50°.

N-Propyl: [7335-07-1].
 $C_7H_{15}N$ M 113.2 Bp 130-135°.

N-Butyl: [767-10-2].
 $C_8H_{17}N$ M 127.2 Liq. Bp 155-157°, Bp₂₂ 55-56°. n_D^{20} 1.4400.
 ► UX9800000.

N-Benzyl: [29897-82-3].
 $C_{11}H_{15}N$ M 161.2 Liq. Sol. EtOH, Et₂O. Bp 237°. Absorbs CO₂ and H₂O from the air.

N-Ph: see 1-Phenylpyrrolidine, P-0-02547

N-(2,4-Dinitrophenyl): [14552-00-2].
 Cryst. (cyclohexane/EtOAc). Mp 101.5-102.5°.

N-Amino: [16596-41-1]. 1-Aminopyrrolidine.
 1-Pyrrolidinamine, 9CI
 $C_4H_{10}N_2$ M 86.1 Bp₁₃ 28-30°.

N-Amino, picrate: Mp 165° dec.

N-(2-Chloroethyl): [7250-67-1].
 $C_6H_{12}ClN$ M 133.6 Mp 169.5-173° (as hydrochloride). CAS no. refers to hydrochloride.
 ► UY0703150.

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1, 557C, 623B (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1, 353C, 355A, 398B (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 3, 442A, 443B, 481B (ir)

de Jong, M. et al, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1930, 49, 237 (synth)

Ochiai, E. et al, *Ber.*, 1934, 67, 1017 (derivs)

Rink, M. et al, *Naturwissenschaften*, 1961, 48, 51 (N-amino)

Duffield, A.M. et al, *J.A.C.S.*, 1965, 87, 2920 (ms)

Wilshire, J.F.K., *Aust. J. Chem.*, 1966, 19, 1935 (deriv)

Andersson, B.A. et al, *Lipids*, 1974, 9, 185, 443; 1975, 10, 215, 716 (use)

Hawthorne, D.G. et al, *Aust. J. Chem.*, 1976, 29, 315 (cmr)

Ahmed, M.G. et al, *J.C.S. Perkin 2*, 1978, 372 (cmr, derivs)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1980, 8, 428.

Ullmann's Encycl. Ind. Chem., 5th Ed., VCH, Weinheim, 1985, A2, 13 (rev)

Barbry, D. et al, *Magn. Reson. Chem.*, 1990, 28, 560 (cmr, N-15 nmr)

Hunt, E.J. et al, *Carcinogenesis (London)*, 1991, 12, 571 (N-nitroso, bibl)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BSK250, NLP500, PPS500.

Luxon, S.G., *Hazards in the Chemical Laboratory*, 5th edn., Royal Society of Chemistry, Cambridge, 1992, 1090.

1-Pyrrolidinecarboxamide, 9CI P-1-00185

N-Carbamoylpyrrolidine. 1-(Aminocarbonyl)pyrrolidine
 [4736-71-4]



$C_5H_{10}N_2O$ M 114.1
 Metab. of the Mediterranean sponge
Aplysina (Verongia) cavernicola. Cryst. (H₂O). Mp 148-152° (nat.), Mp 218° (synth.).

Reppe, W. et al, *Annalen*, 1955, 596, 80 (synth)

D'Ambrosio, M. et al, *Comp. Biochem. Physiol.*, B: *Comp. Biochem.*, 1986, 83, 309 (isol, ir, pmr, cmr, ms)

1-Pyrrolidinecarboxylic acid, P-1-00186 9CI

Tetramethylenecarbamic acid



$C_5H_9NO_2$ M 115.1
 Me ester: [56475-80-0]. 1-Methoxycarbonylpyrrolidine
 $C_6H_{11}NO_2$ M 129.1 Liq. Bp₁₃ 79-80°.

Et ester: [5470-26-8]. 1-Ethoxycarbonylpyrrolidine
 $C_7H_{13}NO_2$ M 143.1 Liq. Bp₃ 61-62°.

Chloride: [1192-63-8]. 1-(Chlorocarbonyl)pyrrolidine
 C_5H_8ClNO M 133.5 Liq. Bp₂₇ 115°.

Amide: see 1-Pyrrolidinecarboxamide, P-1-00185

Nitrile: [1530-88-7]. 1-Cyanopyrrolidine
 $C_5H_8N_2$ M 96.1 d 0.95. Bp₁₀ 133°, Bp_{1.8} 75-77°. n_D^{20} 1.4690.

Overman, L.E. et al, *J.A.C.S.*, 1980, 102, 747 (nitrile)

Kita, Y. et al, *J.O.C.*, 1980, 45, 4519 (esters)

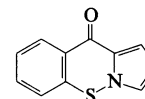
Shono, T. et al, *Org. Synth.*, 1985, 63, 206 (Me ester)

Raucher, S. et al, *Synth. Commun.*, 1985, 15, 1025 (Me ester)

Hoshino, O. et al, *Synth. Commun.*, 1987, 17, 1887 (chloride)

10H-Pyrrolo[1,2-b][1,2]benzothiazin-10-one P-1-00187

[153716-47-3]



$C_{11}H_7NOS$ M 201.2
 Yellow-orange solid (EtOAc/hexane). Mp 100-102°.

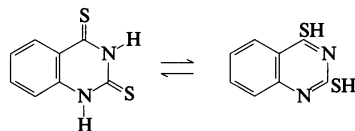
Bates, D.K. et al, *J.O.C.*, 1994, 59, 8076 (synth, ir, pmr, cmr)

Q

2,4-Quinazolidithiol

Q-1-00001

2,4-(1H,3H)-Quinazolidithione, 9CI. 2,4-Dimercaptoquinazoline
[5993-69-1]



$C_8H_6N_2S_2$ M 194.2

Long yellow needles (*n*-butanol). Mp 335-338° dec. (313° dec.).

Di-NH-form

3N-Me: [16081-92-8].

$C_9H_8N_2S_2$ M 208.3 Cryst. Mp 290-296°.

N,N'-Di-Me: [17489-72-4].

$C_{10}H_{10}N_2S_2$ M 222.3 Orange-yellow needles. Mp 267-268°.

Di-SH-form

S,S'-Di-Me: [48141-61-3]. 2,4-Bis(methylthio)quinazoline, 9CI

$C_{10}H_{10}N_2S_2$ M 222.3 Solid. Mp 85°.

Elion, G.B. *et al*, *J.A.C.S.*, 1947, **69**, 2138

(*synth*)

Yale, H.L., *J.A.C.S.*, 1953, **75**, 675 (*synth*)

Taylor, E.C. *et al*, *Tetrahedron*, 1967, **23**, 891

(*synth*)

Wagner, G. *et al*, *Z. Chem.*, 1967, **7**, 339; 1969,

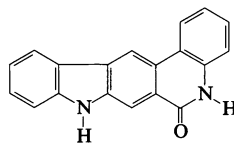
9, 446 (*synth, derivs*)

Chern, J.-W. *et al*, *J. Med. Chem.*, 1993, **36**,

2196 (*synth, pmr, cmr*)

8H-Quino[3,4-*b*]carbazol-1(2H)-one

Q-1-00002



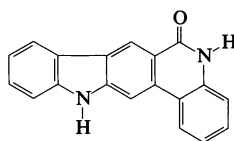
$C_{19}H_{12}N_2O$ M 284.3

Solid. Mp > 350°.

Mohanakrishnan, A.K. *et al*, *J.O.C.*, 1995, **60**, 1939 (*synth, ir, pmr*)

8H-Quino[4,3-*b*]carbazol-1(2H)-one

Q-1-00003



$C_{19}H_{12}N_2O$ M 284.3

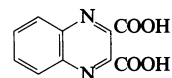
Solid. Mp > 350°.

Mohanakrishnan, A.K. *et al*, *J.O.C.*, 1995, **60**, 1939 (*synth, ir, pmr*)

2,3-Quinoxalinedicarboxylic acid

Q-1-00004

[6924-99-8]



$C_{10}H_6N_2O_4$ M 218.1

Dinitrile: [17132-92-2]. 2,3-

Dicyanoquinoxaline

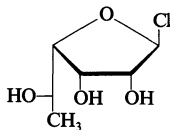
$C_{10}H_4N_4$ M 180.1 Cryst. (EtOH). Mp 218°.

Rothkopf, H.W. *et al*, *Chem. Ber.*, 1975, **108**, 875.

Monge, A. *et al*, *J. Het. Chem.*, 1994, **31**, 1135.

R

Rhamnufuranosyl chloride R-1-00001
6-Deoxymannofuranosyl chloride, 9CI



$C_6H_{11}ClO_4$ M 182.6

α -L-form

2,3-O-Isopropylidene, 5-tosyl: [32658-92-7].

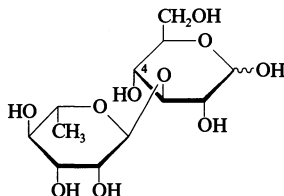
$C_{16}H_{21}ClO_6S$ M 376.8 Syrup.

Unstable at ambient temp.

Lerner, L.M. *et al*, *J.O.C.*, 1972, 37, 477
(isopropylidene deriv, pmr)

3-O- α -L-Rhamnopyranosyl-D-glucose R-1-00002

3-O-(6-Deoxy- α -L-mannopyranosyl)-D-glucose, 9CI



$C_{12}H_{22}O_{10}$ M 326.3

4-O-(4-Hydroxy-E-cinnamoyl):

[104806-91-9]. **Cistanoside I**

$C_{21}H_{28}O_{12}$ M 472.4 Isol. from *Cistanche salsa* (crude drug *Cistanche herba*). The crude drug is a tonic in oriental medicine. Hemihydrate. $[\alpha]_D^{20}$ -82.2 (c, 1.5 in MeOH).

4-O-(3,4-Dihydroxy-E-cinnamoyl):

Cistanoside F

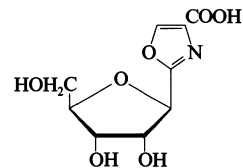
Isol. from *C. salsa*. Amorph. powder. $[\alpha]_D^{25}$ -83.5 (c, 0.9 in MeOH).

[97411-47-7]

Kobayashi, H. *et al*, *Chem. Pharm. Bull.*, 1985, 33, 1452 (*Cistanoside F*)

Karasawa, H. *et al*, *Yakugaku Zasshi*, 1986, 106, 562 (*Cistanoside I*)

2- β -D-Ribofuranosyl-4-oxazolecarboxylic acid, 9CI R-1-00003



$C_9H_{11}NO_7$ M 245.1

Amide: 2- β -D-Ribofuranosyl-4-

oxazolecarboxamide, 9CI. **Oxazofurin**

$C_9H_{12}N_2O_6$ M 244.2 Oxygen analogue of tiazofurin and selenazofurin.

Me ester: [129149-88-8].

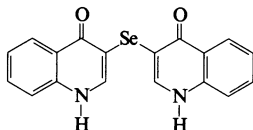
$C_{10}H_{13}NO_7$ M 259.2 Needles. Mp 114-115°.

[129149-89-9]

Franchetti, P. *et al*, *J. Med. Chem.*, 1990, 33, 2849 (*synth, uv, pmr*)

S

3,3'-Selenobis[1,4-dihydro-4-quinolinone] S-1-00001



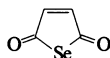
$C_{18}H_{12}N_2O_2Se$ M 367.2
Cryst. (EtOH/petrol) (as dihydrochloride).
Mp $> 300^\circ$ (dihydrochloride).

N,N'-Di-Me:
 $C_{20}H_{16}N_2O_2Se$ M 395.3 Cryst. + 1
 H_2O (H_2O). Mp 313° .

Löwe, W. *et al*, *J. Het. Chem.*, 1995, **32**, 271
(*synth*, *pmr*)

2,5-Selenophenedione, 9CI S-1-00002

1,4-Diselenomaleic acid cyclic anhydroselenide, 8CI
[26562-64-1]



$C_4H_2O_2Se$ M 161.0
Liq. Bp_{0.5} 72° .

3,4-Dihydro: [26562-21-0]. *3,4-Dihydro-2,5-selenophenedione*. *1,4-Diselenosuccinic acid cyclic anhydroselenide*, 8CI
 $C_4H_4O_2Se$ M 163.0 Cryst.
(EtOH/petrol). Mp 36° .

Morel, J. *et al*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1970, **270**, 825 (*synth*)
Morel, J. *et al*, *Bull. Soc. Chim. Fr.*, 1971, 3547
(*synth*, *ir*, *pmr*, *deriv*)

Spermic acid S-1-00003

N,N'-1,4-Butanediylbis- β -alanine, 9CI. 4,9-Diazadodecanedioic acid. *N*¹,*N*⁴-Bis(2-carboxyethyl)-1,4-butanediamine. *N,N'*-Tetramethylenedi- β -alanine. 1,4-Diaminobutane-*N,N'*-dipropanoic acid
[14209-33-7]

$HOOCCH_2CH_2NH(CH_2)_4NHCH_2CH_2COOH$

$C_{10}H_{20}N_2O_4$ M 232.2
Isol. from bovine brain.

Di-Et ester: [87952-71-4].
 $C_{14}H_{28}N_2O_4$ M 288.3 Powder (as hydrochloride). Mp $237-238^\circ$ dec. (hydrochloride). CAS no. refers to hydrochloride.

[61345-82-2]

Imaoka, N. *et al*, *J. Neurochem.*, 1974, **22**, 859
(*isol*)

Tabor, H. *et al*, *Methods Enzymol.*, 1983, **94**, 418 (*rev*, *synth*)

Wasserman, H.H. *et al*, *Tetrahedron*, 1983, **39**, 2459 (*synth*, *ester*)

Ioannou, P.V., *Chem. Chron.*, 1991, **20**, 85
(*synth*)

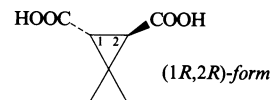
Spiro[2.4]hepta-1,4,6-triene S-1-00004



C_7H_6 M 90.1

Billups, W.E. *et al*, *J.A.C.S.*, 1994, **116**, 6463
(*synth*, *pmr*, *cmr*)

1,2-Spiropentanedicarboxylic acid S-1-00005



$C_7H_8O_4$ M 156.1

(*1R,2R*)-*form*

Di-Me ester: [163380-56-1].

$C_9H_{12}O_4$ M 184.1 $[\alpha]_{546} -69$ (c, 0.9 in CCl_4) ($> 99\%$ ee).

(*1RS,2RS*)-*form*

(\pm)-*trans-form*

Di-Me ester: [163228-42-0].

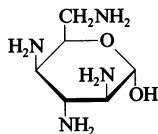
Liq. Bp_{0.3} 60° (Kugelrohr).

[163380-57-2]

Baldwin, J.E. *et al*, *J.O.C.*, 1995, **60**, 2635
(*synth*, *pmr*)

T

2,3,4,6-Tetraamino-2,3,4,6-tetraoxyidose



$C_6H_{16}N_4O_2$ M 176.2

α -D-Pyranose-form

Me glycoside, 2N,3N,4N,6N-tetra-Ac: [17014-18-5].

$C_{15}H_{26}N_4O_6$ M 358.3 Cryst. (EtOH aq.). $[\alpha]_D^{25} + 42$ (c, 0.5 in H_2O). Dec. $> 260^\circ$ without melting.

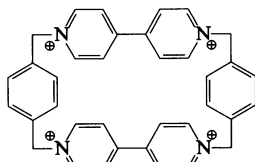
Ali, Y. *et al.*, *Chem. Comm.*, 1967, 554 (*tetra-Ac*)
Ali, Y. *et al.*, *J.C.S.(C)*, 1968, 1764 (*tetra-Ac*, *pmr*)

5,12,19,26-Tetraazoniaheptacyclo

[24.2.2.2^{2,5}.2^{7,10}.2^{12,15}.2^{16,19}

.2^{21,24}]tetraconta-2,4,7,9,12,14,16,18,21,23,26,28,29,31,33,35,37,39-octadecaene(4+), 9CI

Cyclobis(paraquat-p-phenylene) [117271-76-8]



$C_{36}H_{32}N_4^{4\oplus}$ M 520.6 (ion)

Tetrakis(hexafluorophosphate): [117271-77-9].

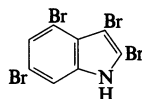
$C_{36}H_{32}F_{24}N_4P_4$ M 1100.5 Solid (Me₂CO aq.). Mp $> 275^\circ$.

Anelli, P. *et al.*, *J.A.C.S.*, 1992, **114**, 193 (*synth*, *cryst struct*, *pmr*, *cmr*, *ms*)

Cordova, E. *et al.*, *J.O.C.*, 1995, **60**, 1033 (*use*, *bibl*)

2,3,4,6-Tetrabromo-1H-indole, 9CI

[128351-87-1]



$C_8H_3Br_4N$ M 432.7

Alkaloid from the Okinawan red alga *Laurencia brongniartii*. Cryst. (hexane/ CCl_4). Mp 137-141 $^\circ$.

N-Ac:

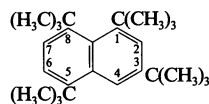
$C_{10}H_5Br_4NO$ M 474.7 Mp 176-178 $^\circ$.

Tanaka, J. *et al.*, *Tetrahedron*, 1989, **45**, 7301 (*isol*, *ir*, *pmr*, *ms*, *struct*)

T-1-00001

1,3,5,8-Tetra-tert-butynaphthalene

1,3,5,8-Tetrakis(1,1-dimethylethyl)naphthalene [22550-43-2]



$C_{26}H_{40}$ M 352.6

Cryst. (MeOH). Mp 83-86 $^\circ$.

Franck, R.W. *et al.*, *J.O.C.*, 1970, **35**, 3932.

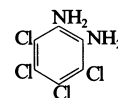
T-1-00004

Fritz, G. *et al.*, *Z. Anorg. Allg. Chem.*, 1987, **552**, 18; 1987, **553**, 85; 1989, **570**, 54 (*synth*, *pmr*, P-31 *nmr*)

Scheer, M. *et al.*, *Z. Anorg. Allg. Chem.*, 1991, **600**, 203; 1993, **619**, 1047 (*synth*, P-31 *nmr*, *salts*)

3,4,5,6-Tetrachloro-1,2-benzenediamine

1,2-Diamino-3,4,5,6-tetrachlorobenzene. Tetrachloro-o-phenylenediamine



$C_6H_4Cl_4N_2$ M 245.9

Hydrochloride: Mp 212-214 $^\circ$ dec.

Al Attar, A.F. *et al.*, *Analyst (London)*, 1990, **115**, 1441 (*synth*)

T-1-00008

1,3,6,8-Tetra-tert-butynaphthalene

1,3,6,8-Tetrakis(1,1-dimethylethyl)naphthalene [22495-86-9]

$C_{26}H_{40}$ M 352.6

Cryst. (MeOH). Mp 127-128 $^\circ$.

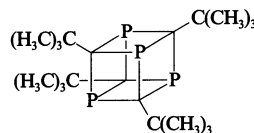
Franck, R.W. *et al.*, *J.O.C.*, 1970, **35**, 3932.

T-1-00005

1,3,5,7-Tetra-tert-butyl-1,3,5,7-tetraphosphacubane

2,4,6,8-Tetrakis(1,1-dimethylethyl)-1,3,5,7-tetraphosphapentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{6,7}]octane

[121097-72-1]



$C_{20}H_{36}P_4$ M 400.3

Pale yellow cubes (pentane). Mp 241 $^\circ$. Bp_{0.01} 155 $^\circ$ (oven).

Monomethotriflate: Mp 200 $^\circ$ dec.

Monoxide:

$C_{20}H_{36}OP_4$ M 416.3 Mp 264 $^\circ$. Bp_{0.001} 200 $^\circ$ (oven).

Monomethotetrafluoroborate:

$C_{21}H_{39}BF_4P_4$ M 502.2 Cryst. Mp 283 $^\circ$ dec.

Wettling, T. *et al.*, *Angew. Chem., Int. Ed.*, 1989, **28**, 1013 (*synth*, *ms*, *cmr*, P-31 *nmr*, *cryst struct*)

Gleiter, R. *et al.*, *Chem. Ber.*, 1990, **123**, 757 (*pe*, *theory*)

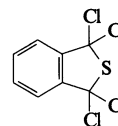
Laali, K.K. *et al.*, *J.O.C.*, 1993, **58**, 4105 (*derivis*, *synth*, *pmr*, *cmr*, P-31 *nmr*)

T-1-00006

1,1,3,3-Tetrachloro-1,3-dihydrobenzo[c]thiophene, 9CI

1,1,3,3-Tetrachlorothiophthalan

[13169-42-1]



$C_8H_4Cl_4S$ M 273.9

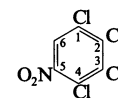
Cryst. (hexane). Mp 111-112 $^\circ$.

Yagupolskii, L.M. *et al.*, *Zh. Obshch. Khim.*, 1966, **36**, 1414; *J. Gen. Chem. USSR (Engl. Transl.)*, 1966, **36**, 1421 (*synth*)

Okuda, Y. *et al.*, *J.O.C.*, 1991, **56**, 6024 (*synth*, *pmr*)

1,2,3,4-Tetrachloro-5-nitrobenzene, 9CI

[879-39-0]



$C_6HCl_4NO_2$ M 260.8

Needles (EtOH). Mp 66-67 $^\circ$.

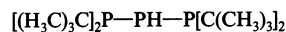
Berckmans, V.S.F. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1925, **44**, 851 (*synth*)

Suzuki, H. *et al.*, *Synthesis*, 1994, 841 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

T-1-00010

1,1,3,3-Tetra-tert-butyltriphosphine

1,1,3,3-Tetrakis(1,1-dimethylethyl)triphosphine [118201-93-7]



$C_{16}H_{37}P_3$ M 322.3

Needle-like cryst. (pentane at -30°). Mp 112 $^\circ$.

[118201-82-4, 137564-88-6]

T-1-00007

1,2,3,5-Tetrachloro-4-nitrobenzene, 9CI

[3714-62-3]

$C_6HCl_4NO_2$ M 260.8

Needles (EtOH). Mp 41-42 $^\circ$ (38-40 $^\circ$).

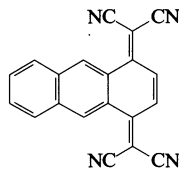
Berckmans, V.S.F. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1925, **44**, 851 (*synth*)

Suzuki, H. *et al.*, *Synthesis*, 1994, 841 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

T-1-00011

11,11,12,12-Tetracyano-1,4-anthraquinodimethane

2,2'-(1,4-Anthracenediylidene)bispropanedinitrile, 9CI
[88068-06-8]



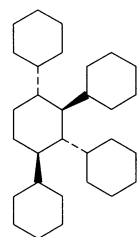
$C_{20}H_8N_4$ M 304.3
Red cryst. by subl. Mp > 320° dec.
Yamaguchi, S. *et al*, *Chem. Lett.*, 1983, 1229
(*synth, pmr, ir, uv*)

Tetracyclo[3.3.1.1^{3,7}.0^{1,3}]decane

Tetrahydro-1H,4H-2,5:3a,6a-dimethanopentalene, 9CI. 1,3-Dehydroadamantane
[24569-89-9]



$C_{10}H_{14}$ M 134.2
Solid by subl. Unstable, stored in a sealed tube under N_2 .
Pincock, R.E. *et al*, *J.A.C.S.*, 1969, **91**, 4593
(*synth, ir, pmr*)
Bielmann, R. *et al*, *Helv. Chim. Acta*, 1982, **65**, 1728 (*synth, ir*)
Adcock, W. *et al*, *J.O.C.*, 1993, **58**, 7341 (*synth, cmr*)

1,2,3,4-Tetracyclohexylcyclohexane(1*RS*,2*RS*,3*RS*,4*RS*)-form

$C_{30}H_{52}$ M 412.7
(1*RS*,2*RS*,3*RS*,4*RS*)-form
all-trans-form
No Mp given.

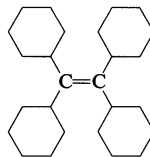
(1*RS*,2*RS*,3*RS*,4*SR*)-form
cis-trans-trans-form
No Mp given. Exists in twist-boat conformn.

(1*RS*,2*SR*,3*SR*,4*RS*)-form
cis-trans-cis-form
Rectangular cryst. Mp 145°.

Columbus, I. *et al*, *J.A.C.S.*, 1994, **116**, 10306
(*synth, cmr, cryst struct, conformn*)

T-1-00012 Tetracyclohexylethene

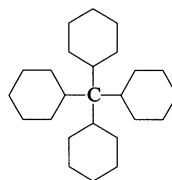
1,1',1'',1'''-(1,2-Ethenediylidene)tetrakis-cyclohexane, 9CI
[155144-20-0]



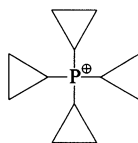
$C_{26}H_{44}$ M 356.6
Cryst. Mp 273-275°.
Columbus, I. *et al*, *J.O.C.*, 1994, **59**, 3402
(*synth, cryst struct, ir, cmr, pmr*)

Tetracyclohexylmethane

1,1',1'',1'''-Methanetetrayltetrakis-cyclohexane, 9CI
[1593-07-3]

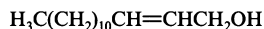


$C_{26}H_{44}$ M 344.6
Cryst. ($CHCl_3$ /EtOH). Mp 282° (270-272°).
Buell, G.R. *et al*, *J.O.C.*, 1965, **30**, 1662 (*synth, ir*)
Columbus, I. *et al*, *J.O.C.*, 1994, **59**, 8132
(*synth, pmr, cmr, conformn, cryst struct*)

Tetracyclopropylphosphonium(1+)

$C_{12}H_{20}P^{\oplus}$ M 195.2 (ion)
Chloride: [80095-65-4].
 $C_{12}H_{20}ClP$ M 230.7 Cryst.
(MeOH/EtOAc).

Schmidbaur, H. *et al*, *Chem. Ber.*, 1981, **114**, 3385 (*synth, pmr, P-31 nmr*)

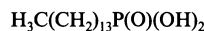
2-Tetradecen-1-ol

$C_{14}H_{28}O$ M 212.3
(*E*)-form [75039-86-0]
Liq. Bp_{0.07} 105°.
[75039-85-9]

Doolittle, R.E., *Synthesis*, 1984, 730 (*synth, ir, pmr*)
Mordini, A. *et al*, *J.O.C.*, 1994, **59**, 4784 (*synth, pmr, cmr, ms*)

Tetradecylphosphonic acid

1-Tetradecanephosphonic acid
[4671-75-4]



$C_{14}H_{31}O_3P$ M 278.3

T-1-00015

Solid. Mp 97-98°.

Di-Et ester: [5191-09-3]. Diethyl tetradecylphosphonate
 $C_{18}H_{39}O_3P$ M 334.4 Liq. Bp₃ 200°.

Dibutyl ester: Dibutyl tetradecylphosphonate
 $C_{22}H_{47}O_3P$ M 390.5 Liq. d_4^{25} 0.91.
Bp₂ 217-219°. n_D^{25} 1.4460.

Di-Ph ester: [16165-51-8]. Diphenyl tetradecylphosphonate
 $C_{26}H_{39}O_3P$ M 430.5 Cryst. (pentane).
Mp 41.5-42°. Bp_{0.02} 197°.

[16693-58-6]

Kosolapoff, G.M., *J.A.C.S.*, 1945, **67**, 1180.
Laughton, R.G., *J.O.C.*, 1962, **27**, 3644 (*di-Ph ester*)

3,3,8,8-Tetraethynyl-1,4,6,9-decatetrayne, 9CI

[160651-50-3]

 $C_{18}H_6$ M 222.2

Off-white solid. Mp 151° dec.

Feldman, K.S. *et al*, *J.A.C.S.*, 1994, **116**, 9019.**2,2,2,3'-Tetrafluoroacetophenone, 8CI**

2,2,2-Trifluoro-1-(3-fluorophenyl)ethanone, 9CI. 1-Fluoro-3-(trifluoroacetyl)benzene
[708-64-5]



$C_8H_4F_4O$ M 192.1
d 1.37. Bp₅₀ 79°. n_D^{20} 1.4440.

Taft, R.W. *et al*, *J.A.C.S.*, 1963, **85**, 709 (*pmr*)
Liu, K.T. *et al*, *J. Phys. Org. Chem.*, 1989, **2**, 363 (*synth, O-17 nmr*)

2,2,2,4'-Tetrafluoroacetophenone

2,2,2-Trifluoro-1-(4-fluorophenyl)ethanone, 9CI. 4'-Fluoro-2,2,2-trifluoroacetophenone. 1-Fluoro-4-(trifluoroacetyl)benzene
[655-32-3]

$C_8H_4F_4O$ M 192.1
d 1.37. Mp 24-27°. Bp₃₄ 66-67°. n_D^{20} 1.4480.

De Puy, C.H. *et al*, *J.O.C.*, 1974, **39**, 878 (*synth*)
Chong, J.M. *et al*, *J.O.C.*, 1991, **56**, 893 (*synth, pmr, cmr*)

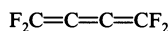
2,2,3,3-Tetrafluoro-1,4-butanediol

[425-61-6]

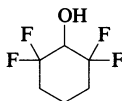


$C_4H_6F_4O_2$ M 162.0
Cryst. (CCl_4 /EtOAc). Mp 80.5-82°. pK_a 12.1 (13.7).

McBee, E.T., *J.A.C.S.*, 1952, **74**, 444.
Ward, R.B., *J.O.C.*, 1965, **30**, 3009.

Tetrafluorobutatriene T-1-00024C₄F₄ M 124.0

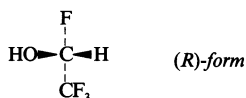
Bp 5°. Explodes when liquefied.

Martin, E.L. *et al*, *J.A.C.S.*, 1959, **81**, 5256.**2,2,6,6-Tetrafluorocyclohexanol** T-1-00025C₆H₈F₄O M 172.1

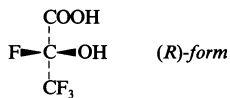
Mp 65-66°.

Duhamel, P. *et al*, *J.C.S. Perkin I*, 1994, 2265

(synth, pmr)

1,2,2,2-Tetrafluoroethanol T-1-00026C₂H₂F₄O M 118.0**(R)-form***Me ether*: [156700-90-2]. 1,1,1,2-Tetrafluoro-2-methoxyethane, 9CIC₃H₄F₄O M 132.0 Intermed. in synth. of Desflurane, D-0-00462. Liq. Bp 38-39°. [α]_D²⁵ + 67 (neat) (97% ee).*Trichloromethyl ether*:C₃HCl₃F₄O M 235.3 Liq. [α]_D²⁵ + 36 (c, 1 in CHCl₃). Cont. 10% of tetrachlorinated impurity.**(±)-form***Me ether*: Liq. Bp 36-38°.*Trichloromethyl ether*: Liq. Bp 96-97°, Bp₁₄₅ 44-47°.

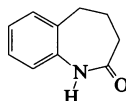
[156700-89-9]

Ramig, K. *et al*, *Angew. Chem., Int. Ed.*, 1995, **34**, 222 (synth, abs config)Rozov, L.A. *et al*, *J.O.C.*, 1995, **60**, 1319 (*Me ether*, synth)**2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid** T-1-00027C₃H₂F₄O₃ M 162.0**(R)-form***Me ether*: [156700-95-7]. 2,3,3,3-Tetrafluoro-2-methoxypropanoic acidC₄H₄F₄O₃ M 176.0 Liq. Bp₈ 60-61°. [α]_D²⁵ + 24 (neat) (>99.9% ee).*Me ether, amide*:C₄H₅F₄NO₂ M 175.0 Cryst. (CH₂Cl₂). Mp 114°. [α]_D²⁵ + 33 (c, 1 in MeOH).**(±)-form***Me ether*: [10186-64-8].Liq. Bp₁₃ 71.5-72.5°.*Me ether, Me ester*: [10186-63-7].C₅H₆F₄O₃ M 190.0 Liq. Bp₂₁ 40-41°.*Me ether, chloride*:C₄H₃ClF₄O₂ M 194.5 Liq. Bp 78-80°.*Me ether, amide*: [10186-65-9].C₄H₅F₄NO₂ M 175.0 Cryst. (C₆H₆). Mp 109°.*Et ether*: [10186-67-1]. 2-Ethoxy-2,3,3,3-tetrafluoropropanoic acidC₅H₆F₄O₃ M 190.0 Liq. Bp₁₃ 83-84°.*Et ether, Et ester*: [10186-66-0].C₇H₁₀F₄O₃ M 218.1 Liq. Bp₁₄ 50.5-51°.*Et ether, chloride*:C₅H₅ClF₄O₂ M 208.5 Liq. Bp₇₇₃ 97°.*Et ether, amide*: [10186-68-2].C₅H₇F₄NO₂ M 189.1 Cryst. (CCl₄). Mp 82°.

[156700-86-6]

Sianesi, D. *et al*, *J.O.C.*, 1966, **31**, 2312 (*deriv, synth*)Pasetti, A. *et al*, *Gazz. Chim. Ital.*, 1968, **98**, 277 (*deriv, synth*)Muffler, H. *et al*, *J. Fluorine Chem.*, 1982, **21**, 107 (*chloride synth, pmr*)Ramig, K. *et al*, *Angew. Chem., Int. Ed.*, 1995, **34**, 222 (*abs config*)Rozov, L.A. *et al*, *J.O.C.*, 1995, **60**, 1319 (*Me ether, synth, resoln, pmr, F-19 nmr*)**1,3,4,5-Tetrahydro-2H-1-benzazepin-2-one, 9CI** T-1-00028

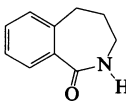
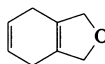
[4424-80-0]

C₁₀H₁₁NO M 161.2

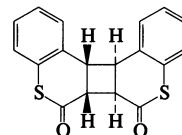
Cryst. (EtOAc/hexane). Mp 141°.

Conley, R.T., *J.O.C.*, 1958, **23**, 1330.Grunewald, G.L. *et al*, *J. Het. Chem.*, 1994, **31**, 1609 (*synth, pmr*)**2,3,4,5-Tetrahydro-1H-2-benzazepin-1-one, 9CI** T-1-00029

[6729-50-6]

C₁₀H₁₁NO M 161.2Cryst. (CHCl₃/hexane). Mp 130-131.5° (98-100°).Gilman, N.W., *Synth. Commun.*, 1982, **12**, 373.Grunewald, G.L. *et al*, *J. Het. Chem.*, 1994, **31**, 1609 (*synth, pmr, cmr*)**2,3,4,7-Tetrahydrobenzo[c]furan** T-1-00030C₈H₁₀O M 122.1Liq. Bp₁₅ 150°.Brown, D.S. *et al*, *J.C.S. Perkin I*, 1995, 1137

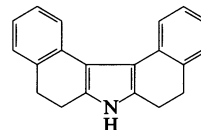
(synth, ir, pmr, cmr, ms)

6a,6b,12b,12c-Tetrahydrocyclobuta[1,2-c:4,3-c']di[1]benzothiopyran-6,7-dione T-1-00031C₁₈H₁₂O₂S₂ M 324.4**(6aα,6bβ,12bβ,12cα)-form**

Photodimer of 2H-1-Benzothiopyran-2-one, B-0-01098. Cryst. (pentane). Mp 239-240°.

Kopf, J. *et al*, *Acta Cryst. C*, 1994, **50**, 1922 (*synth, cryst struct*)**6,7,8,9-Tetrahydro-5H-dibenzo[c,g]carbazole** T-1-00032

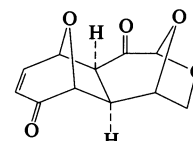
[117766-87-7]

C₂₀H₁₇N M 271.3

Mp 249-250°.

Katntcky, A.R. *et al*, *J. Het. Chem.*, 1988, **25**, 671.Dimmock, J.R. *et al*, *J. Het. Chem.*, 1994, **31**, 1125 (*synth, cryst struct*)**5a,6,10,10a-Tetrahydro-1,4:6,10-diepoxy-2H-cyclohept[d]oxepin-5,9(1H,4H)dione, 9CI** T-1-000335,13,14-Trioxatetracyclo[7.3.1.1^{3,6}.0^{2,8}]tetradec-10-ene-7,12-dione

[166241-44-7]

C₁₁H₁₀O₅ M 222.1

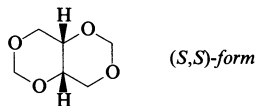
Pyrolysis prod. from Cellulose, C-0-00349.

Furneaux, R.H. *et al*, *J.C.S. Perkin I*, 1984, 1923.Gainsford, G.J. *et al*, *Acta Cryst. C*, 1995, **51**, 1369 (*cryst struct*)**1,2,3,4-Tetrahydro-2,8-dimethylnaphthalene** T-1-00034

[25419-36-7]

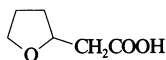
C₁₂H₁₆ M 160.2**(±)-form**d₂₀ 0.941. Bp 236°, Bp₁₀ 102°.*Adv. Chem. Ser.*, 1955, **15**, 258 (*props*)

Tetrahydro[1,3]dioxino[5,4-*d*]-1,3-dioxin, 9CI
 2,4,7,9-Tetraoxabicyclo[4.4.0]decane. 1,3,5,7-Tetraoxadecalin



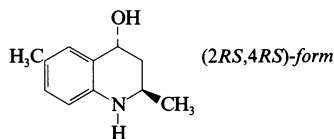
$C_6H_{10}O_4$ M 146.1
(S,S)-form [75096-35-4]
 (+)-*cis-form*. 1,3:2,4-Di-O-methylene-L-threitol
 Mp 180-180.5°. $[\alpha]_D^{20} + 10.71$ (c, 0.11 in $CHCl_3$), $[\alpha]_D^{25} - 4.1$ (c, 2.1 in H_2O).
(RS,SR)-form [54933-94-7]
trans-form
 Needles (EtOAc/petrol). Mp 100°. *meso*-.
 Lemieux, R.U. *et al*, *Can. J. Chem.*, 1963, **41**, 392 (*synth*, *pmr*, *cis*)
 Jensen, R.B. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 373 (*synth*, *trans-form*)
 Burden, I.J. *et al*, *J.C.S. Perkin 1*, 1975, 666 (*synth*, *pmr*, *ms*, *trans-form*)
 Noorskov, L. *et al*, *Acta Chem. Scand., Ser. B*, 1983, **37**, 133 (*conformn*)
 Gras, J. *et al*, *Synth. Commun.*, 1992, **22**, 405 (*synth*, *pmr*, *trans*)

Tetrahydro-2-furanacetic acid T-1-00036
 [2434-00-6]



$C_6H_{10}O_3$ M 130.1
(±)-form [89261-69-8]
 V. viscous oil or semisolid. Bp_{16} 144-146°, Bp_{11} 140°.
Me ester: [2018-85-1].
 $C_7H_{12}O_3$ M 144.1 Liq. Bp_{19} 92°.
Et ester: [2434-02-8].
 $C_8H_{14}O_3$ M 158.1 Oil.
Nitrile: [33414-62-9]. 2-(Cyanomethyl) tetrahydrofuran
 C_6H_8NO M 111.1 Liq. Bp_{13} 92.4°. n_D^{13} 1.4476.
 Barger, G. *et al*, *J.C.S.*, 1937, 718 (*synth*)
 Fissekis, J.D. *et al*, *J. Het. Chem.*, 1976, **13**, 929 (*Me ester*, *synth*, *pmr*)
 Patrick, T.B. *et al*, *J.O.C.*, 1978, **43**, 1506 (*synth*, *ir*, *pmr*)

1,2,3,4-Tetrahydro-4-hydroxy-2,6-dimethylquinoline T-1-00037
 1,2,3,4-Tetrahydro-2,6-dimethyl-4-quinolinol, 9CI

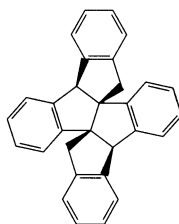


$C_{11}H_{15}NO$ M 177.2
(2RS,4RS)-form [63503-16-2]
 (±)-*trans-form*
 Cream powder. Mp 108-110° (100-102°).
(2RS,4SR)-form [63503-15-1]
 (±)-*cis-form*

Powder (EtOH). Mp 167-169°.
 Crabb, T.A. *et al*, *J.C.S. Perkin 1*, 1994, 9 (*synth*, *pmr*, *bibl*)

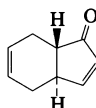
Garland, R.B. *et al*, *J.O.C.*, 1990, **55**, 5854 (*synth*)
 Shibuya, K., *Synth. Commun.*, 1994, **24**, 2923 (*synth*)

4b,9,13b,18-Tetrahydroindeno[1,2-*a*]indeno[2',1':2,3]indeno[1,2-*b*]indene, 9CI
 [155954-10-2]



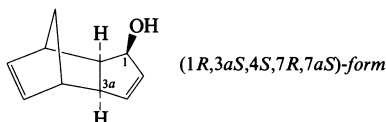
$C_{30}H_{22}$ M 382.5
 Needles ($CHCl_3$ /hexane). Mp 200°.
 Kuck, D. *et al*, *J.O.C.*, 1994, **59**, 2511 (*synth*, *ir*, *pmr*, *cmr*, *ms*)

3a,4,7,7a-Tetrahydro-1H-inden-1-one T-1-00039



$C_9H_{10}O$ M 134.1
(3aR,7aSR)-form
 (±)-*trans-form*
 No phys. props. descr.
 Nakatani, K. *et al*, *J.O.C.*, 1995, **60**, 2466 (*synth*, *pmr*, *cmr*, *ir*, *ms*)

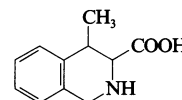
3a,4,7,7a-Tetrahydro-4,7-methano-1H-inden-1-ol, 9CI
 1-Hydroxydicyclopentadiene
 [6814-80-8]



$C_{10}H_{12}O$ M 148.2
(1R,3aS,4S,7R,7aS)-form [123930-79-0]
 Cryst. (hexane). Mp 72-72.5°. $[\alpha]_D^{25} + 99.1$ (c, 0.98 in $CHCl_3$).
(1S,3aR,4R,7S,7aR)-form [105367-92-8]
 Cryst. (hexane). Mp 72-72.5°. $[\alpha]_D^{25} - 100.5$ (c, 0.90 in $CHCl_3$).
(1RS,3aSR,4SR,7RS,7aSR)-form [88555-62-8]
 Cryst. Mp 36-38°. Bp_7 106°.
Ac: [123848-89-5].
 $C_{12}H_{14}O_2$ M 190.2 Oil. $Bp_{14.5}$ 118.5-120.5°.

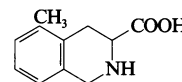
Rosenblum, M., *J.A.C.S.*, 1957, **79**, 3179 (*synth*, *acetate*)
 Nakagawa, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1977, **50**, 2391 (*cmr*)
 Mironov, V.A. *et al*, *Zh. Org. Khim.*, 1984, **20**, 69; *J. Org. Chem. USSR (Engl. Transl.)*, 1984, **20**, 61 (*synth*)
 Takano, S. *et al*, *Chem. Comm.*, 1989, 271 (*resoln*)

1,2,3,4-Tetrahydro-4-methyl-3-isoquinolinecarboxylic acid, 9CI
 [106891-00-3]



$C_{11}H_{13}NO_2$ M 191.2
 Intermed. for peptide synthesis. Cryst. (H_2O). Mp > 260° dec.
 Ger. Pat., 3 617 938, (1987); *CA*, **106**, 102109s (*synth*)
 Lebl, M. *et al*, *Int. J. Pept. Protein Res.*, 1992, **40**, 148 (*synth*)

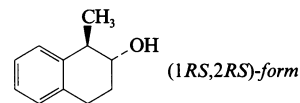
1,2,3,4-Tetrahydro-5-methyl-3-isoquinolinecarboxylic acid, 9CI
 T-1-00042



$C_{11}H_{13}NO_2$ M 191.2
 Intermed. for peptide synthesis.
(±)-form [151637-59-1]
 Solid. Mp > 280°.
 Majer, P. *et al*, *Int. J. Pept. Protein Res.*, 1994, **43**, 62 (*synth*, *pmr*)

1,2,3,4-Tetrahydro-1-methyl-2-naphthol T-1-00043

1,2,3,4-Tetrahydro-1-methyl-2-naphthalenol, 9CI. 1-Methyl-2-tetralol
 [86088-40-6]

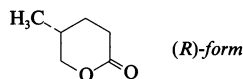


$C_{11}H_{14}O$ M 162.2
(1RS,2RS)-form [72182-04-8]
 (±)-*trans-form*
 Oil. $Bp_{0.2}$ 105-107°.
(1RS,2SR)-form [91028-21-6]
 (±)-*cis-form*
 Oil. $Bp_{0.05}$ 73-74°.
 McKusick, B.C. *et al*, *J.A.C.S.*, 1948, **70**, 2196 (*synth*)
 Marshall, P.A. *et al*, *Aust. J. Chem.*, 1979, **32**, 1251 (*trans-form*, *synth*, *ir*, *pmr*)
 Taylor, S.K. *et al*, *J.O.C.*, 1983, **48**, 2449; 1987, **52**, 425 (*cis-form*, *trans-form*, *ir*, *pmr*)
 Schneider, H.-J. *et al*, *Org. Magn. Reson.*, 1984, **22**, 180 (*cmr*)

Tetrahydro-5-methyl-2H-pyran-2-one, 9CI

T-1-00044

γ-Methyl- δ -valerolactone. 4-Methyl-5-pentanolide
[3123-98-6]

C₆H₁₀O₂ M 114.1

(R)-form [2857-75-2]

Liq. Bp₇ 101-102°. [α]_D²⁰ +16.6 (c, 0.86 in CHCl₃) (>98% ee). n_D^{22} 1.4520.

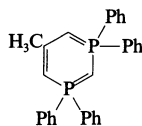
(±)-form [121961-94-2]

Liq. Bp₂ 86°.Brettle, R. *et al*, *J.C.S.*, 1962, 4836 (*synth*)Millard, B.J., *Org. Mass Spectrom.*, 1968, 1, 279 (*ms*)Surzur, J.-M. *et al*, *Bull. Soc. Chim. Fr.*, 1970, 653 (*synth*, *ir*, *pmr*)Ozegowski, R. *et al*, *Annalen*, 1994, 1019 (*synth*, *pmr*, *cmr*)**1,1,3,3-Tetrahydro-5-methyl-1,1,3,3-tetraphenyl-1,3-diphosphorin, 9CI**

T-1-00045

Updated Entry replacing M-0-04674

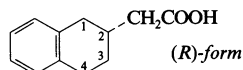
5-Methyl-1,1,3,3-tetraphenyl-1 λ^5 ,3 λ^5 -diphosphorine. 5-Methyl-1,1,3,3-tetraphenyl-1 λ^5 ,3 λ^5 -diphosphabenzene. 5-Methyl-1,1,3,3-tetraphenyl-1 λ^5 ,3 λ^5 -diphosphinin
[125995-74-6]

C₂₉H₂₆P₂ M 436.4

Yellow cryst. (THF, -25°). Mp 115° dec.
Planar, non-symmetric struct.

Schmidbaur, H. *et al*, *Angew. Chem., Int. Ed.*, 1990, 29, 516 (*synth*, *pmr*, *cmr*, P-31 *nmr*, *cryst struct*)Schmidbaur, H. *et al*, *Chem. Ber.*, 1991, 124, 1525 (*synth*, *pmr*, *cmr*, P-31 *nmr*, *cryst struct*)**1,2,3,4-Tetrahydro-2-naphthaleneacetic acid**

T-1-00046

C₁₂H₁₄O₂ M 190.2

(R)-form [130850-35-0]

Cryst. (diisopropyl ether). Mp 118-119°.
[α]_D²⁸ +79.8 (c, 0.96 in MeOH) (99.1% ee).

(S)-form [130850-34-9]

Cryst. (diisopropyl ether). Mp 118-119°.
[α]_D²² -80.1 (c, 1 in MeOH) (98.9% ee).

Chloride: [159011-43-5].

C₁₂H₁₃ClO M 208.6 Oil. Bp_{0.5} 98-100°.

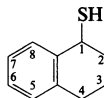
(±)-form [147384-05-2]

Cryst. (EtOH aq.). Mp 85-87°.

Tanaka, Y. *et al*, *J. Med. Chem.*, 1994, 37, 2071 (*synth*, *resoln*, *ir*, *pmr*)**1,2,3,4-Tetrahydro-1-naphthalenethiol, 9CI**

T-1-00047

1,2,3,4-Tetrahydro-1-mercaptanaphthalene. 1-Mercaptotetraalin
[103324-34-1]

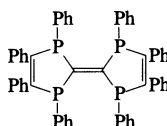
C₁₀H₁₂S M 164.2

(±)-form

Liq. Bp₃ 120°.Nishio, T., *J.C.S. Perkin 1*, 1993, 1113 (*synth*, *ir*, *pmr*, *cmr*)**1,1',3,3'-Tetrahydro-1,1',3,3',4,4',5,5'-octaphenylbi-1,3-diphosphol-2-ylidene**

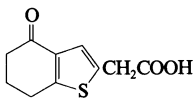
T-1-00048

2-(1,3-Dihydro-1,3,4,5-tetraphenyl-2H-1,3-diphosphol-2-ylidene)-2,3-dihydro-1,3,4,5-tetraphenyl-1H-1,3-diphosphole, 9CI
[114862-89-4]

C₅₄H₄₀P₄ M 812.8Maigrot, N. *et al*, *Angew. Chem., Int. Ed.*, 1988, 27, 950 (*synth*, *ms*, *cmr*, P-31 *nmr*)**4,5,6,7-Tetrahydro-4-oxobenzo[b]thiophene-2-acetic acid, 9CI**

T-1-00049

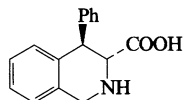
[158094-25-8]

C₁₀H₁₀O₃S M 210.2

Cryst. (EtOAc/cyclohexane). Mp 130-132°.

Giardina, G. *et al*, *J. Med. Chem.*, 1994, 37, 3482 (*synth*, *ir*, *pmr*)**1,2,3,4-Tetrahydro-4-phenyl-3-isoquinolinecarboxylic acid, 9CI**

T-1-00050

C₁₆H₁₅NO₂ M 253.3

Intermed. for peptide synthesis.

(3R,4R)-form

(–)-trans-form

Hydrochloride: Cryst. (6M HCl). Mp 263-266° dec. [α]_D -59.2 (c, 1 in MeOH).

(3R,4S)-form

(+)–cis-form

Hydrochloride: Cryst. (CH₃CN). Mp 255-258° dec. [α]_D +238.4 (c, 1 in MeOH).

(3S,4R)-form

(–)-cis-form

Hydrochloride: Cryst. (CH₃CN). Mp 256-258° dec. [α]_D -236.9 (c, 1 in MeOH).

(3S,4S)-form

(+)–trans-form

Hydrochloride: Cryst. (6M HCl). Mp 264-266° dec. [α]_D +58.8 (c, 1 in MeOH).

(3RS,4RS)-form [153908-77-1]

(±)-trans-form

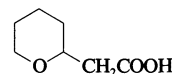
Needles (EtOH). Mp 160-162°.

N-Me: [153908-73-7].

C₁₇H₁₇NO₂ M 267.3 Needles (EtOH). Mp 174-178°.U.K. Pat., 2 266 529, (1993); *CA*, 120, 217313k (*synth*, *pmr*)Goel, O.P. *et al*, *Synth. Commun.*, 1995, 25, 49 (*synth*, *ir*, *pmr*, *cmr*, *ms*)**Tetrahydro-2H-pyran-2-acetic acid, 9CI**

T-1-00051

[13103-40-7]

C₇H₁₂O₃ M 144.1

(±)-form [89261-76-7]

Cryst. (hexane). Mp 54-56°.

Et ester: [130821-87-3].

C₉H₁₆O₃ M 172.2 Liq. Bp₂ 65-66°.

Chloride: [98431-12-0].

C₇H₁₁ClO₂ M 162.6 Liq. Bp₃ 60-65°.

Amide:

C₇H₁₃NO₂ M 143.1 Cryst. (petrol). Mp 99-101°.

Nitrile: [89261-97-2]. 2-(Cyanomethyl) tetrahydropyran

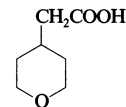
C₇H₁₁NO M 125.1 Liq. Bp₂₂ 110°.

[38786-78-6, 75394-84-2]

Zelinski, R.P. *et al*, *J.A.C.S.*, 1952, 74, 1504 (*synth*, *chloride*, *amide*)Maciejewski, L. *et al*, *Synth. Commun.*, 1988, 18, 1757 (*synth*, *pmr*, *ms*)Bunce, R.A. *et al*, *Synth. Commun.*, 1993, 23, 1009 (*Et ester*)Ragoussis, V. *et al*, *Synthesis*, 1993, 84 (*synth*)**Tetrahydro-2H-pyran-4-acetic acid, 9CI**

T-1-00052

[85064-61-5]

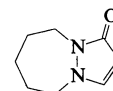
C₇H₁₂O₃ M 144.1

Cryst. solid. Mp 61-62°.

Ghosh, A.K. *et al*, *J. Med. Chem.*, 1993, 36, 2300 (*synth*)**6,7,8,9-Tetrahydro-1H,5H-pyrazolo[1,2-a][1,2]diazepin-1-one, 9CI**

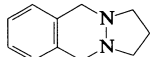
T-1-00053

[55781-91-4]

C₈H₁₂N₂O M 152.1

Hygrosopic cryst. (CH₂Cl₂/CCl₄). Mp 84°. *Hydrochloride*: [66190-52-1]. Cryst. (MeOH or 1-propanol). Mp 175°, Mp 200-202°. Sucrow, W. *et al*, *Chem. Ber.*, 1978, **111**, 780 (*synth, ir, uv, pmr, cmr*) Arán, V.J. *et al*, *Annalen*, 1995, 817 (*synth*)

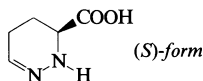
2,3,5,10-Tetrahydro-1H-pyrazolo[1,2-*b*]phthalazine T-1-00054
[28689-97-6]



C₁₁H₁₄N₂ M 174.2
Mp 70-72°. Bp_s 122°.

Nakamura, A. *et al*, *Chem. Pharm. Bull.*, 1970, **18**, 1526 (*synth, pmr*)

2,3,4,5-Tetrahydro-3-pyridazinecarboxylic acid, 9CI T-1-00055



C₅H₈N₂O₂ M 128.1
(*S*)-form [152094-16-1]

Trifluoroacetate salt: [152094-25-2].

[α]_D²⁰ +62 (c, 0.3 in MeOH).

Me ester: [138323-06-5].

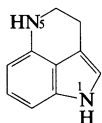
C₆H₁₀N₂O₂ M 142.1 Syrup. [α]_D²⁰ +139 (c, 0.8 in MeOH).

[145022-62-4]

Nakamura, Y. *et al*, *Chem. Lett.*, 1991, 1953 (*synth, pmr*)

Aspinall, I.H. *et al*, *Chem. Comm.*, 1993, 1179 (*synth*)

1,3,4,5-Tetrahydropyrrolo[4,3,2-*de*]quinoline, 9CI T-1-00056
[5712-14-1]



C₁₀H₁₀N₂ M 158.2

Prisms (Et₂O/hexane). Mp 135-136° (130-131°).

l-Me:

C₁₁H₁₂N₂ M 172.2 Cryst. (MeOH/EtOAc) (as hydrochloride). Mp 220-235° dec. (hydrochloride).

5-Me:

C₁₁H₁₂N₂ M 172.2 Mp 121-123°.

Hester, J.B., *J.O.C.*, 1964, **29**, 1159 (*synth, uv*)

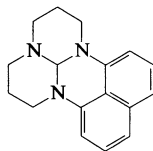
Somei, M. *et al*, *Heterocycles*, 1991, **32**, 443;

1993, **36**, 2783 (*synth, ir, pmr*)

Roué, N. *et al*, *Synth. Commun.*, 1995, **25**, 681

(*synth, ir, uv, ms, pmr, cmr*)

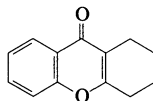
2,3,5,6-Tetrahydro-1H,4H,12cH-3a,6a,12b-triazaperylene, 9CI T-1-00057
3a,6a,12b-Triaza-1,2,3,3a,4,5,6,6a,12b,12c-decahydroperylene
[166041-25-4]



C₁₇H₁₉N₃ M 265.3
Cryst.

Baradarani, M.M. *et al*, *Acta Cryst. C*, 1995, **51**, 1345 (*synth, cryst struct*)

1,2,3,4-Tetrahydroxanthone T-1-00058
1,2,3,4-Tetrahydro-9H-xanthen-9-one, 9CI
[3123-22-6]



C₁₃H₁₂O₂ M 200.2

Needles (MeOH aq.); prisms (hexane). Mp 93-94° (91-92°), Mp 103-104° (dimorph.).

Hall, H.I. *et al*, *J.C.S.*, 1933, 232 (*synth*)

Miyano, M., *J.A.C.S.*, 1965, **87**, 3958 (*synth*)

Matsui, M. *et al*, *Agric. Biol. Chem.*, 1966, **30**, 1145 (*synth, ir*)

Paquette, L.A. *et al*, *J.O.C.*, 1966, **31**, 1232 (*synth*)

Watanabe, T. *et al*, *Chem. Pharm. Bull.*, 1977, **25**, 2778 (*synth, uv, pmr, ms*)

Singh, S.P. *et al*, *Synth. Commun.*, 1994, **24**, 2637 (*synth*)

1,4,5,8-Tetrahydroxyanthraquinone T-1-00059
1,4,5,8-Tetrahydroxy-9,10-anthracenedione, 9CI
[81-60-7]

C₁₄H₈O₆ M 272.2
Bronze needles. Mp > 300° dec.

Tetra-Ac:

C₂₂H₁₆O₁₀ M 440.3 Yellow needles (AcOH). Mp 281-282°.

Tetra-Me ether: [63229-37-8]. *1,4,5,8-Tetramethoxyanthraquinone*

C₁₈H₁₆O₆ M 328.3 Orange leaflets (AcOH). Mp 327-329° (317°).

Fischer, O. *et al*, *J. Prakt. Chem.*, 1912, **86**, 297

(*synth, tetra-Ac, tetra-Me ether*)

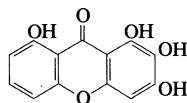
Marshall, P.G., *J.C.S.*, 1937, 254 (*synth, tetra-Ac*)

Allen, C.F.H. *et al*, *J.O.C.*, 1941, **6**, 732 (*synth, tetra-Ac*)

Brockmann, H. *et al*, *Chem. Ber.*, 1965, **98**, 3145 (*uv*)

Quast, H. *et al*, *Chem. Ber.*, 1986, **119**, 1016 (*tetra-Me ether*)

1,2,3,8-Tetrahydroxyxanthone T-1-00060
1,2,3,8-Tetrahydroxy-9H-xanthen-9-one, 9CI



C₁₃H₈O₆ M 260.2

2-Me ether: [93929-99-8]. *1,3,8-Trihydroxy-2-methoxyxanthone*

C₁₄H₁₀O₆ M 274.2 Constit. of *Centaureum linarifolium*. Pale yellow cryst. (Me₂CO). Mp 262-264°.

1,2-Di-Me ether: [34211-52-4]. *3,8-Dihydroxy-1,2-dimethylxanthone*

C₁₅H₁₂O₆ M 288.2 Constit. of *Bonnetia dinizii*, *Calophyllum trapezifolium*, *Centaureum linarifolium* and *Polygala nyikensis*. Yellow powder. Mp 207-208°.

1,8-Di-Me ether, 2,3-methylene ether:

[150921-43-0]. *1,8-Dimethoxy-2,3-methylenedioxyxanthone*

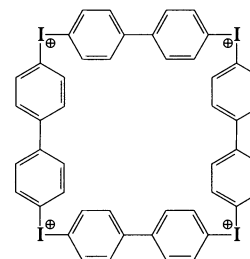
C₁₆H₁₂O₆ M 300.2 Constit. of the roots of *Polygala nyikensis*. Yellow powder. Mp 207-208°.

Parra, M. *et al*, *J. Nat. Prod.*, 1984, **47**, 868 (*isol, derivs*)

Vijayalakshmi, J. *et al*, *Acta Cryst. C*, 1987, **43**, 2108 (*cryst struct, deriv*)

Marston, A. *et al*, *Phytochemistry*, 1993, **33**, 809 (*isol, pmr, cmr*)

6,15,24,33-Tetraiodononacyclo- T-1-00061
Tetraiodononacyclo-
[32.2.2.2^{2,5}.2^{7,10}.2^{11,14}.2^{16,19}.2^{20,23}.2^{25,28}.2^{29,32}]dopentaconta-
2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane, 9CI



C₄₈H₃₂I₄⁴⁺ M 1116.3 (ion)

Tetrakis(trifluoromethanesulfonate): [152842-78-9].

C₅₂H₃₂F₁₂I₄O₁₂S₄ M 1712.6 Cryst. (MeOH/Et₂O). Mp 274-276° dec.

Tetrakis(tetraphenylborate): [152842-79-0].

C₁₄₄H₁₁₂B₄I₄ M 2393.3 Cryst. Spar. sol. common solvs. Mp 235-240° dec.

Tetrachloride: [152842-80-3].

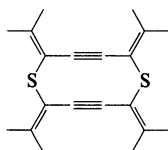
C₄₈H₃₂Cl₄I₄ M 1258.2 Solid. Insol. all common solvs. Mp 200-205° dec.

Tetraiodide: [152842-81-4].

C₄₈H₃₂I₈ M 1624.0 Solid. Spar. sol. in common solvs. Mp 155-160° dec.

Stang, P.J. *et al*, *J.A.C.S.*, 1993, **115**, 9808

(*synth, ir, pmr, cmr, ms*)

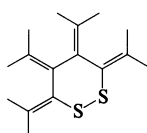
2,5,7,10-Tetraisopropylidene-1,6-dithia-3,8-cyclodecadiyne T-1-00062

$C_{20}H_{24}S_2$ M 328.5
Cryst. (CH_2Cl_2 at -30°).

Gleiter, R. *et al*, *Angew. Chem., Int. Ed.*, 1994, **33**, 1270 (*synth, cryst struct*)

Tetraisopropylidene-1,2-dithiane T-1-00063

2,3,5,6-Tetrakis(1-methylethylidene)-1,2-dithiane, 9CI. 1,2-Dithia[6]radialene [100671-37-2]

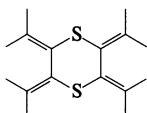


$C_{16}H_{24}S_2$ M 280.4
Mp 97.5-99.5°.

Ando, W. *et al*, *Tet. Lett.*, 1981, **22**, 4819 (*synth, cmr*)

Tetraisopropylidene-1,4-dithiane T-1-00064

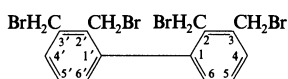
3,4,5,6-Tetrakis(1-methylethylidene)-1,4-dithiane, 9CI. 1,4-Dithia[6]radialene [100671-36-1]



$C_{16}H_{24}S_2$ M 280.4
Mp 99.5-100°.

Ando, W. *et al*, *Tet. Lett.*, 1981, **22**, 4819 (*synth, cmr, cryst struct*)

Gleiter, R. *et al*, *Angew. Chem., Int. Ed.*, 1994, **33**, 1270 (*synth*)

2,2',3,3'-Tetrakis(bromomethyl)biphenyl T-1-00065

$C_{16}H_{14}Br_4$ M 525.9
Cryst. ($CHCl_3$). Mp 130-131°.

Grochowski, J. *et al*, *Annalen*, 1995, 1123 (*synth, ir, pmr, ms*)

2,2',6,6'-Tetrakis(bromomethyl)biphenyl T-1-00066

[69551-56-0]
 $C_{16}H_{14}Br_4$ M 525.9
Cryst. (propanol or petrol/ C_6H_6). Mp 172-173.5° (167.5-168°).

Pelchowicz, Z. *et al*, *CA*, 1955, **49**, 1687i (*synth*)
Mislow, K. *et al*, *J.A.C.S.*, 1964, **86**, 1710 (*synth*)

3,3',4,4'-Tetrakis(bromomethyl)biphenyl T-1-00067

[151331-25-8]
 $C_{16}H_{14}Br_4$ M 525.9
Cryst. ($CHCl_3$). Mp 163-164°.

Jamrozik, J. *et al*, *J. Prakt. Chem.*, 1993, **335**, 482 (*synth, ir, pmr, cmr, ms*)

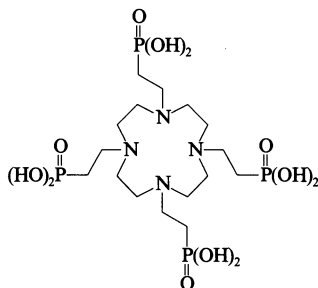
3,3',5,5'-Tetrakis(bromomethyl)biphenyl biphenyl T-1-00068

[42601-58-1]
 $C_{16}H_{14}Br_4$ M 525.9
Needles (C_6H_6 /petrol); platelets (MeCN). Mp 208-210°.

Vögtle, F. *et al*, *Chem.-Ztg.*, 1973, **97**, 385 (*synth, pmr*)

1,4,7,10-Tetrakis[2-(dihydroxyphosphinyl)ethyl]-1,4,7,10-tetraazacyclododecane T-1-00069

[1,4,7,10-Tetraazacyclotetradecane-1,4,7,10-tetrayltetra-2,1-ethanediyl]tetrakisphosphonic acid, 9CI
[107145-38-0]

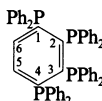


$C_{16}H_{40}N_4O_{12}P_4$ M 604.4
Complexone. Solid + $1H_2O$. Mp 268° dec.

Polikarpov, Yu.M. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1989, 2112; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1989, 1945 (*synth, complexes*)

1,2,3,4-Tetrakis(diphenylphosphino)benzene T-1-00070

1,2,3,4-Benzenetetrayltetrakis[diphenylphosphine], 9CI [123739-97-9]



$C_{54}H_{42}P_4$ M 814.8
Yellow solid. Mp 235-239°.

McFarlane, H.C.E. *et al*, *Polyhedron*, 1988, **7**, 1875 (*synth, P-31 nmr*)

1,2,3,5-Tetrakis(diphenylphosphino)benzene T-1-00071

1,2,3,5-Benzenetetrayltetrakis[diphenylphosphine], 9CI [123739-98-0]

$C_{54}H_{42}P_4$ M 814.8
Pale yellow solid. Mp 191-192°.

McFarlane, H.C.E. *et al*, *Polyhedron*, 1988, **7**, 1875 (*synth, P-31 nmr*)

1,2,4,5-Tetrakis(diphenylphosphino)benzene T-1-00072

1,2,4,5-Benzenetetrayltetrakis[diphenylphosphine], 9CI [123739-99-1]

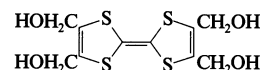
$C_{54}H_{42}P_4$ M 814.8
Ligand for Ni, Pd and Pt poly-complexes. Cryst. (MeOH/ $CHCl_3$). Mp 271-273°.

McFarlane, H.C.E. *et al*, *Polyhedron*, 1988, **7**, 1875 (*synth, P-31 nmr*)

Wang, P.-W. *et al*, *Inorg. Chem.*, 1994, **33**, 2938 (*complexes*)

2,3,6,7-Tetrakis(hydroxymethyl)tetrathiafulvalene T-1-00073

2-[4,5-Bis(hydroxymethyl)-1,3-dithiol-2-ylidene]-1,3-dithiole-4,5-dimethanol, 9CI [122301-05-7]



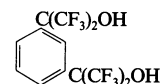
$C_{10}H_{12}O_4S_4$ M 324.4
Yellow-orange powder. Mp 190° dec.

Tetra-Ac.: [159223-16-2].
 $C_{18}H_{20}O_8S_4$ M 492.6
Orange needles (hexane/ CH_2Cl_2). Mp 131°.

Fox, M.A. *et al*, *J.O.C.*, 1994, **59**, 6519 (*synth, pmr, cmr, ir*)

 α,α,α' -Tetrakis(trifluoromethyl)-1,3-benzenedimethanol, 9CI T-1-00074

α,α,α' -Tetrakis(trifluoromethyl)-m-xylene- α,α' -diol, 8CI. 1,3-Bis(2-hydroxyhexafluoro-2-propyl)benzene [802-93-7]



$C_{12}H_6F_{12}O_2$ M 410.1
Liq. d 1.66. Bp 209°, Bp₂₄ 107-108°. n_D^{20} 1.3870.

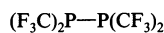
DMSO complex (1:1): [89780-05-2].
Cryst. ($CHCl_3$). Mp 87°.

Di-Ac.: [125757-14-4].
 $C_{16}H_{10}F_{12}O_4$ M 494.2
Mp 80-82°.

Farah, B.S. *et al*, *J.O.C.*, 1965, **30**, 998 (*synth, pmr*)

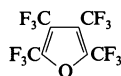
Sepiol, J. *et al*, *J. Fluorine Chem.*, 1984, **24**, 61 (*synth, ir, pmr, F-19 nmr*)

Soulen, R.J. *et al*, *J. Fluorine Chem.*, 1989, **44**, 195 (*synth, pmr, Ac*)

Tetrakis(trifluoromethyl)diphosphine, 9Cl, 8Cl
[2714-60-5] $C_4F_{12}P_2$ M 337.9Stable liq. Mp 83-84°. P—P bond cleaved by I_2 or Br_2 at 280°.Bennett, F.W. *et al*, *J.C.S.*, 1953, 1565 (*synth, ir*)Cavell, R.G. *et al*, *Inorg. Chem.*, 1968, 7, 690 (*ms*)Kang, D.-K. *et al*, *Org. Magn. Reson.*, 1971, 3, 101 (*F-19 nmr*)Witt, J.D. *et al*, *Inorg. Chem.*, 1973, 12, 811 (*ir, Raman*)Bürger, H. *et al*, *Z. Anorg. Allg. Chem.*, 1973, 396, 199 (*ir, Raman*)Cowley, A.H. *et al*, *J.A.C.S.*, 1974, 96, 2648, 3666 (*pe*)Hodges, H.L. *et al*, *Inorg. Chem.*, 1975, 14, 599 (*ed*)Troy, D. *et al*, *Bull. Soc. Chim. Fr.*, (Part 1), 1979, 241 (*complexes*)Grobe, J. *et al*, *J. Organomet. Chem.*, 1985, 280, 331 (*complexes*)Phillips, I.G. *et al*, *Inorg. Chem.*, 1988, 27, 4038 (*props*)**Tetrakis(trifluoromethyl)furan T-1-00076**

Perfluorotetramethylfuran

[67705-05-9]

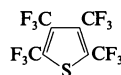
 $C_8F_{12}O$ M 340.0

Bp 104-105°.

Boriack, C.J. *et al*, *Tet. Lett.*, 1978, 1015 (*synth, ir, uv*)Kobayashi, Y. *et al*, *Tet. Lett.*, 1978, 1019 (*synth*)Chambers, R.D. *et al*, *J.C.S. Perkin 1*, 1979, 214; 1994, 3119 (*synth*)**Tetrakis(trifluoromethyl)thiophene**

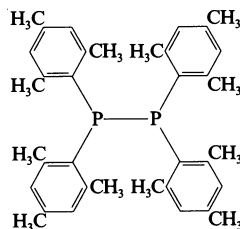
Perfluorotetramethylthiophene

[651-93-4]

 $C_8F_{12}S$ M 356.1Liq. Mp 5°. Bp 134-135°. n_D^{25} 1.3540.Krespan, C.G., *J.A.C.S.*, 1961, 83, 3434 (*synth, uv*)Briscoe, M.W. *et al*, *J.C.S. Perkin 1*, 1994, 3119 (*synth*)**Tetrakis(2,4,6-trimethylphenyl)diphosphine, 9Cl**

Tetramesityldiphosphine, 8Cl

[23897-19-0]

 $C_{36}H_{44}P_2$ M 538.6Cryst. (EtOH/ C_6H_6). Mp 210-215° dec.

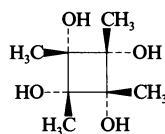
1-Oxide: [23921-55-3].

 $C_{36}H_{44}OP_2$ M 554.6 Solid. Mp 205-208°.

1,2-Dioxide: [23897-21-4].

 $C_{36}H_{44}O_2P_2$ M 570.6 Cryst. (2-butanone). Mp 188-190°.Stepanov, B.I. *et al*, *Zh. Obshch. Khim.*, 1969, 39, 1544; *J. Gen. Chem. USSR (Engl. Transl.)*, 1969, 39, 1514 (*synth, ir, uv*)Baxter, S.G. *et al*, *J.A.C.S.*, 1981, 103, 1699 (*pmr, cryst struct*)Goldwhite, H. *et al*, *J. Organomet. Chem.*, 1986, 310, 21 (*synth*)**1,2,3,4-Tetramethyl-1,2,3,4-cyclobutanetetrol, 9Cl**

[117972-46-0]

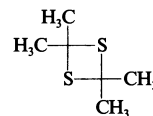
 $C_8H_{16}O_4$ M 176.2Kahle, C.F., *Diss. Abstr. Int.*, B, 1988, 48, 1981 (*synth*)Olmstead, M.M. *et al*, *Acta Cryst. C*, 1992, 48, 1902 (*cryst struct*)**1,5,5,6-****Tetramethylcyclohexene, 9Cl, 8Cl**

Cyclodihydromyrcene

[3757-05-9]

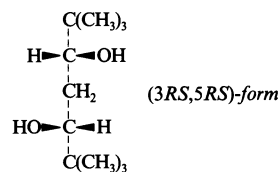
 $C_{10}H_{18}$ M 138.2 (\pm) -formBp 171-172°, Bp₁₂ 48°.Ohloff, G., *Annalen*, 1959, 627, 79 (*synth, ir*)Naves, Y.R., *Helv. Chim. Acta*, 1964, 47, 1833 (*synth, ir*)**T-1-00078****2,2,4,4-Tetramethyl-1,3-dithietane**

[31443-08-0]

 $C_6H_{12}S_2$ M 148.2

Needles (hexane). Mp 77-78°.

S,S,S',S'-Tetraoxide: [82599-61-9].

 $C_6H_{12}O_4S_2$ M 212.2 Fine white cryst. (DMF). Mp 270-274° dec.Kohrman, R.E. *et al*, *J.O.C.*, 1971, 36, 3971*(synth, ir, uv, pmr, ms)*Nishio, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, 46, 2253 (*synth, uv, ms*)Block, E. *et al*, *J.A.C.S.*, 1982, 104, 3119*(tetraoxide, synth, ir, pmr)*Frasch, M. *et al*, *Chem. Ber.*, 1993, 126, 537 (*tetraoxide*)**2,2,6,6-Tetramethyl-3,5-heptanediol****T-1-00082** $C_{11}H_{24}O_2$ M 188.3 $(3RS,5RS)$ -form [36402-58-1] (\pm) -form

Fibre-like cryst. (hexane). Mp 178° (174°).

 $(3RS,5SR)$ -form [36402-57-0]

meso-form

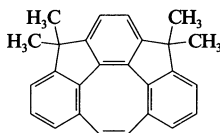
Needles by subl. Mp 101°.

Dale, J., *J.C.S.*, 1961, 910 (*synth*)Cazaux, L. *et al*, *Bull. Soc. Chim. Fr.*, 1972, 773 (*synth, ir, pmr*)Suzuki, I. *et al*, *J.A.C.S.*, 1993, 115, 10139*(synth, ir, pmr)***2,2,6,6-Tetramethyl-3-heptene, 9Cl** $C_{11}H_{22}$ M 154.2 (E) -form [126029-24-1]Liq. Bp₈₅ 80-82°.

[126029-25-2]

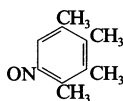
Whitmore, F.C. *et al*, *J.A.C.S.*, 1941, 63, 643 (*synth*)Herberg, C. *et al*, *Annalen*, 1995, 515 (*synth, pmr*)

1,1,14,14-Tetramethyl-10,11-methano-1H-benzo[5,6]cycloocta[1,2,3,4-def]fluorene, 9CI T-1-00084
 1,1-Dimethyl-10,11-propane-2,2-diylidene-1H-benzo[5,6]cycloocta[1,2,3,4-def]fluorene
 [106865-76-3]



$C_{26}H_{22}$ M 334.4
 Light yellow needles (EtOH). Mp 215-217°.
 Hou, X.L. *et al*, *J.A.C.S.*, 1987, **109**, 1868
 (synth, pmr, uv)
 Felder, P. *et al*, *Helv. Chim. Acta*, 1991, **74**, 644
 (struct)

1,2,3,4-Tetramethyl-5-nitrosobenzene T-1-00085
 Nitrosoprehnitene
 [158815-56-6]



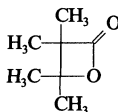
$C_{10}H_{13}NO$ M 163.2
 Green cryst. (MeOH). Mp 69-71°.
 Smith, I.L. *et al*, *J.A.C.S.*, 1935, **57**, 2460
 (synth)
 Bosch, E. *et al*, *J.O.C.*, 1994, **59**, 5573 (synth, ir,
 pmr, cmr)

3,3,6,6-Tetramethyl-1,4,7-octatriyne, 9CI T-1-00086
 [159148-55-7]



$C_{12}H_{14}$ M 158.2
 Cryst. Mp 38-41°. Bp₁₅ 62-64°.
 Scott, L.T. *et al*, *J.A.C.S.*, 1994, **116**, 10275
 (synth, pmr, cmr, ms)

3,3,4,4-Tetramethyl-2-oxetanone T-1-00087
 Tetramethyl- β -propionolactone
 [10008-69-2]



$C_7H_{12}O_2$ M 128.1
 Solid. Mp 129-130°.
 Adam, W. *et al*, *Synthesis*, 1972, 616 (synth, ir,
 pmr)
 Schick, H. *et al*, *J.O.C.*, 1994, **59**, 3161 (synth,
 ir, pmr, cmr)

Tetramethyltellurium, 9CI T-1-00088
 [123311-08-0]

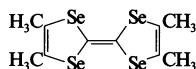


$C_4H_{12}Te$ M 187.7

Yellow-orange liq. Stable under Ar in the dark at r.t. Pyrophoric in air.
 ▶ Has exploded in air.

Gedridge, R.W. *et al*, *Organometallics*, 1989, **8**, 2817 (synth, pmr, cmr, Te-125 nmr, ir, uv, Raman)
 Fowler, J.E. *et al*, *J.A.C.S.*, 1994, **116**, 9596 (struct)

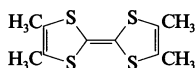
Tetramethyltetraselenafulvalene T-1-00089
 fulvalene
 2-(4,5-Dimethyl-1,3-diselenol-2-ylidene)-4,5-dimethyl-1,3-diselenole, 9CI. TMTSF
 [55259-49-9]



$C_{10}H_{12}Se_4$ M 448.0
 Forms salts which are superconductive 'organic metals'. Violet needles. Mp > 250°.

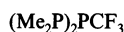
Bechgaard, K. *et al*, *Chem. Comm.*, 1974, 937 (synth, uv)
 Andersen, J.R. *et al*, *Org. Mass Spectrom.*, 1978, **13**, 121 (ms)
 Moradpour, A. *et al*, *J.O.C.*, 1983, **48**, 388 (synth)
 Meneghetti, M. *et al*, *J. Chem. Phys.*, 1984, **80**, 6210 (ir, Raman)
 Williams, J.M. *et al*, *Adv. Inorg. Chem. Radiochem.*, 1985, **29**, 249 (rev)

Tetramethyltetrathiafulvalene T-1-00090
 2-(4,5-Dimethyl-1,3-dithiol-2-ylidene)-4,5-dimethyl-1,3-dithiole, 9CI. Tetramethyl-1,3-dithiol-2-ylidene. TMTTF
 [50708-37-7]



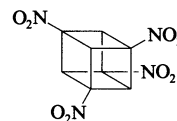
$C_{10}H_{12}S_4$ M 260.4
 Forms radical cation salts of high conductivity. Salmon-coloured needles (MeCN). Mp 244.5-245° (240.5-241°).
 Ferraris, J.P. *et al*, *Tet. Lett.*, 1973, 2553 (synth, ir, pmr)
 Wudl, F. *et al*, *J.O.C.*, 1977, **42**, 768 (synth, uv, pmr, ir)
 Andersen, J.R. *et al*, *Org. Mass Spectrom.*, 1978, **13**, 121 (ms)
 Le Costumer, G. *et al*, *Chem. Comm.*, 1980, 38 (synth)
 Fabre, J.M. *et al*, *Bull. Soc. Chim. Fr.*, 1987, 823 (synth, pmr)

1,1,3,3-Tetramethyl-2-(trifluoromethyl)triphosphine, 9CI T-1-00091
 [19307-60-9]



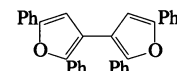
$C_5H_{12}F_3P_3$ M 222.0
 Liq. at -5°. Bp 220° (est.). V.p. 1 mm at 24°.
 Cowley, A.H. *et al*, *J.A.C.S.*, 1967, **89**, 5990; 1969, **91**, 6609 (synth, uv, pmr, F-19 nmr, props)
 Avens, L.R. *et al*, *Inorg. Chem.*, 1989, **28**, 200, 205 (synth, F-19 and P-31 nmr)

1,3,5,7-Tetranitrocubane T-1-00092
 1,3,5,7-Tetranitropentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]octane, 9CI
 [99393-55-2]



$C_8H_4N_4O_8$ M 284.1
 Solid. Mp 270° dec.
 ▶ Potentially explosive.
 Eaton, P.E. *et al*, *J.A.C.S.*, 1993, **115**, 10195 (synth, ir, pmr, cmr, cryst struct, haz)

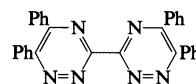
2,2',5,5'-Tetraphenyl-3,3'-bifuran, 9CI T-1-00093
 3,3'-Bis(2,5-diphenylfuran)
 [52107-61-6]



$C_{32}H_{22}O_2$ M 438.5
 Yellow-white cryst. (EtOH or Me₂CO). Mp 195-196°.

Lutz, R.E. *et al*, *J.A.C.S.*, 1935, **57**, 1947 (synth)
 Barba, F. *et al*, *J.O.C.*, 1993, **58**, 7685 (synth, ir, pmr, ms, cmr)

5,5',6,6'-Tetraphenyl-3,3'-bi-1,2,4-triazine, 9CI T-1-00094
 [93372-16-8]



$C_{30}H_{20}N_6$ M 464.5
 Yellow cryst. (AcOH or toluene). Mp 297° dec., Mp 219-222°. Crimson soln. in H₂SO₄.

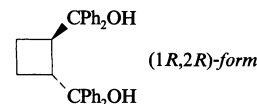
Laakso, P.V. *et al*, *Tetrahedron*, 1957, **1**, 103 (synth)
 Breu, J. *et al*, *Acta Cryst. C*, 1993, **49**, 1541 (cryst struct)

1,1,2,4-Tetraphenyl-1-buten-3-yne T-1-00095
 [21979-82-8]



$C_{28}H_{20}$ M 356.4
 Cryst. (EtOH). Mp 136°.
 Melloni, G. *et al*, *Chem. Comm.*, 1968, 1505 (synth, ir, uv, pmr)
 Marcuzzi, F. *et al*, *J.C.S. Perkin 1*, 1993, 2957 (synth)

$\alpha,\alpha,\alpha',\alpha'$ -Tetraphenyl-1,2-cyclobutanedimethanol T-1-00096
 1,2-Bis(hydroxydiphenylmethyl)cyclobutane



$C_{30}H_{28}O_2$ M 420.5

(1R,2R)-form

(–)-trans-form

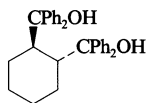
Needles. Mp 174-175.5°. $[\alpha]_D^{20}$ –59 (c, 0.5 in Me₂CO). Racemate also known.**(1S,2S)-form**

(+)–trans-form

Cryst. Mp 174-175.5° (170-171°). $[\alpha]_D^{20}$ +57.9 (c, 0.54 in Me₂CO).Kipping, F.B. *et al*, *J.C.S.*, 1957, 3246 (*synth*)
Ito, Y.N. *et al*, *Helv. Chim. Acta*, 1994, 77, 2071 (*synth, cryst struct*) **$\alpha,\alpha,\alpha',\alpha'$ -Tetraphenyl-1,2-cyclohexanedimethanol**

T-1-00097

1,2-Bis(hydroxydiphenylmethyl)cyclohexane

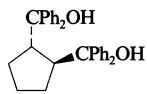
C₃₂H₃₂O₂ M 448.6**(1R,2R)-form** [17351-17-6]

(+)–trans-form

Cryst. (hexane/EtOAc). Mp 189-190°. $[\alpha]_D^{20}$ +131 (c, 1.05 in Me₂CO) (>98% ee).Ito, Y.N. *et al*, *Helv. Chim. Acta*, 1994, 77, 2071 (*synth, ir, pmr, cryst struct*) **$\alpha,\alpha,\alpha',\alpha'$ -Tetraphenyl-1,2-cyclopentanedimethanol**

T-1-00098

1,2-Bis(hydroxydiphenylmethyl)cyclopentane

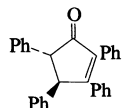
C₃₁H₃₀O₂ M 434.5**(1S,2S)-form**

(+)–trans-form

Syrup. $[\alpha]_D^{20}$ +17.8 (c, 1.16 in CHCl₃).Ito, Y.N. *et al*, *Helv. Chim. Acta*, 1994, 77, 2071 (*synth, ir, pmr*)**2,3,4,5-Tetraphenyl-2-cyclopenten-1-one**

T-1-00099

[7317-52-4]

(3*RS*,4*RS*)-formC₂₉H₂₂O M 386.4**(3*RS*,4*RS*)-form** [6177-94-2]

(±)-trans-form

Cryst. (EtOH). Mp 163°. Yellowish-green soln. in H₂SO₄.**(3*RS*,4*SR*)-form** [15718-95-3]

(±)-cis-form

Cryst. (EtOH/cyclohexane). Mp 127-128°.

Dilthey, W. *et al*, *J. Prakt. Chem.*, 1930, 128, 149; 1933, 139, 1; 1937, 149, 183 (*synth*)
Sonntag, N.O.V. *et al*, *J.A.C.S.*, 1953, 75, 2283 (*synth*)Rio, G. *et al*, *Bull. Soc. Chim. Fr.*, 1966, 3774 (*synth, ir, pmr, uv*)Harlow, R.L. *et al*, *Cryst. Struct. Commun.*, 1977, 6, 695 (*cryst struct*)Yuki, T. *et al*, *J.O.C.*, 1993, 58, 4497 (*synth, pmr, cmr, ir*)**1,1,6,6-Tetraphenyl-2,4-hexadiyne-1,6-diol, 9CI**

T-1-00100

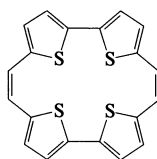
[20583-04-4]

C₃₀H₂₂O₂ M 414.5Versatile host for crystalline inclusion complexes. Has been used for example in isoln. of caffeine from tea, cholesterol from gallstones. Cryst. (C₆H₆/petrol). Mp 150-151°.Armitage, J.B. *et al*, *J.C.S.*, 1951, 44 (*synth*)Ried, W. *et al*, *Chem. Ber.*, 1963, 96, 1226 (*synth*)Toda, F., *Top. Curr. Chem.*, 1987, 140, 43.Segawa, M. *et al*, *Chem. Lett.*, 1988, 1755 (*use*)**Tetrathia[20]annulene[2,0,2,0]** T-1-00101

21,22,23,24-

Tetrathiapentacyclo[16.2.1.1^{2,5}.1^{8,11}.1^{12,15}]tetracosa-1,3,5,7,9,11,13,15,17,19-decaene, 9CI. Tetrathiaporphycene

[153580-77-9]

C₂₀H₁₂S₄ M 380.5

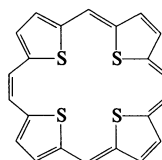
Yellow cryst. Mp 148-150°.

Hu, Z. *et al*, *J.O.C.*, 1994, 59, 8071 (*synth, pmr, cmr, uv, ms*)**Tetrathia[22]annulene[2,1,2,1]** T-1-00102

23,24,25,26-

Tetrathiapentacyclo[18.2.1.1^{3,6}.1^{9,12}.1^{14,17}]hexacos-1,3,5,7,9,11,13,15,17,19,21-undecaene

[156339-60-5]

C₂₂H₁₄S₄ M 406.6

Black cryst. Mp >270°.

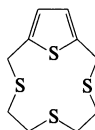
Hu, Z. *et al*, *J.O.C.*, 1994, 59, 8071 (*synth, pmr, cmr, uv, ms*)**3,6,9,14-**

T-1-00103

Tetrathiabicyclo[9.2.1]tetradeca-11,13-diene

2,5,8-Trithia[9](2,5)thiophenophane

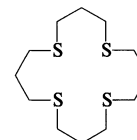
[60147-18-4]

C₁₀H₁₄S₄ M 262.4Needles (C₆H₆). Mp 125-127°, Mp 151-153°.Weker, E. *et al*, *Annalen*, 1976, 891 (*synth, pmr, complexes*)Lucas, C.R. *et al*, *Can. J. Chem.*, 1988, 66, 1506 (*synth, cryst struct, cmr*)**1,5,9,13-**

T-1-00104

Tetrathiacyclohexadecane, 9CI16-Ane-S₄

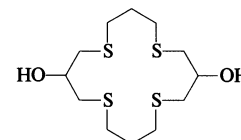
[295-91-0]

C₁₂H₂₄S₄ M 296.5Potential ligand for transition metals. Mp 57-58°. Subl._{0.01} 100°.Meadow, J.R. *et al*, *J.A.C.S.*, 1934, 56, 2177 (*synth*)Yoshida, T. *et al*, *Pure Appl. Chem.*, 1990, 62, 1127 (*rev*)Durrant, M.C. *et al*, *Chem. Ind. (London)*, 1991, 474 (*synth, pmr*)Setzer, W.N. *et al*, *Inorg. Chem.*, 1991, 30, 3652 (*complexes*)Blake, A.J. *et al*, *Acta Cryst. B*, 1993, 49, 773 (*cryst struct*)**1,5,9,13-**

T-1-00105

Tetrathiacyclohexadecane-**3,11-diol, 9CI**

[109909-33-3]

C₁₂H₂₄O₂S₄ M 328.5

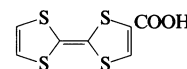
Mp 89-91°. No synth. appears to have been publ.

Aldrich Library of FT-IR Spectra, 1st edn., 1, 272D.

Nour, E.M. *et al*, *Bull. Soc. Chim. Fr.*, 1989, 727.Wee, G. *et al*, *J.A.C.S.*, 1991, 113, 6538.**Tetrathiafulvalenecarboxylic acid** T-1-00106

2-(1,3-Dithiol-2-ylidene)-1,3-dithiole-4-carboxylic acid, 9CI. 2-Carboxytetrathiafulvalene

[63822-38-8]

C₇H₄O₂S₄ M 248.3Used in the study of electrically conducting charge-transfer salts. Red needles (C₆H₆). Mp 182-184° (178°).

Me ester: [67361-89-1].

C₈H₆O₂S₄ M 262.3 Red powder (hexane). Mp 114° (102-104°).

Et ester: [63822-39-9].

C₉H₈O₂S₄ M 276.4 Red cryst. (MeOH). Mp 79.5-80.5°.

Green, D.C., *J.O.C.*, 1979, **44**, 1476 (*synth, Et ester, ir, pmr, uv*)
 Kreitsberga, Ya.N. *et al*, *Khim. Geterotsikl. Soedin.*, 1984, 1630; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1984, 1342 (*synth, Me ester, ir, pmr, uv*)
 Fabre, J.-M. *et al*, *Makromol. Chem.*, 1989, **190**, 2747 (*synth*)
 Fabre, J.-M. *et al*, *Bull. Soc. Chim. Belg.*, 1992, **101**, 741 (*cmr, pmr, Me ester*)
 Garin, J. *et al*, *Synthesis*, 1994, 489 (*synth, pmr*)

1,2,3-Thiadiazole-4-carboxaldehyde T-1-00107
 4-Formyl-1,2,3-thiadiazole
 [27643-15-8]

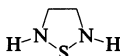


$C_3H_2N_2OS$ M 114.1
 Cryst. Mp 86-87°.

Lee, F.T. *et al*, *J. Het. Chem.*, 1970, **7**, 415
(synth, ir, pmr)

L'abbé, G. *et al*, *J. Het. Chem.*, 1993, **30**, 301
(N-15 nmr)

1,2,5-Thiadiazolidine T-1-00108
 Tetrahydro-1,2,5-thiadiazole



$C_2H_6N_2S$ M 90.1

S,S-Dioxide: [5823-51-8].

$C_2H_6N_2O_2S$ M 122.1 Cryst.
 (EtOAc/hexane). Mp 53-54.5°.

N-Me, S,S-dioxide:

$C_3H_8N_2O_2S$ M 136.1 Oil. Bp_{0.08} 145-155°.

N-tert-Butyl, S,S-dioxide:

$C_6H_{14}N_2O_2S$ M 178.2 Cryst. Mp 95-97°.

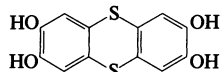
N,N'-Di-tert-butyl, S,S-dioxide:

$C_{10}H_{22}N_2O_2S$ M 234.3 Cryst. Mp 121-123°.

Preiss, M., *Chem. Ber.*, 1978, **111**, 1915 (*synth, derivs, ir, pmr*)

Castro, J.L. *et al*, *J. Med. Chem.*, 1994, **37**, 3023
(synth, pmr)

2,3,7,8-Thianthrenetrol T-1-00109
 2,3,7,8-Tetrahydroxythianthrene
 [24066-96-4]



$C_{12}H_8O_4S_2$ M 280.3
 Mp 288-289°.

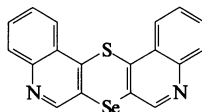
Tetra-Me ether: [41079-73-6]. 2,3,7,8-Tetramethoxythianthrene

$C_{16}H_{16}O_4S_2$ M 336.4 Cryst. (EtOH).
 Mp 183-184° (176°).

Weiss, T. *et al*, *Annalen*, 1978, 785 (*deriv*)

Nishiyama, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1994, **67**, 2333 (*synth*)

[1,4]Thiaselenino[3,2-c:5,6-c'] diquinoline, 9CI T-1-00110
 [162469-49-0]

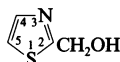


$C_{18}H_{10}N_2S_2$ M 365.3

Beige cryst. + $\frac{1}{2}$ H₂O (EtOH). Mp 258°.

Löwe, W. *et al*, *J. Het. Chem.*, 1995, **32**, 271
(synth, pmr)

2-Thiazolemethanol, 9CI, 8CI T-1-00111
 2-(Hydroxymethyl)thiazole
 [14542-12-2]



C_4H_5NOS M 115.1

Bp_{0.2} 75-76°.

Hydrochloride: [23784-95-4].
 Mp 126.5-127°.

Berlin, A.Y. *et al*, *Zh. Obshch. Khim.*, 1961, **31**, 1356; *J. Gen. Chem. USSR (Engl. Transl.)*, 1961, **31**, 1255 (*synth*)

Kazlauskas, R. *et al*, *Tet. Lett.*, 1977, 3183
(pmr, cmr)

Dondoni, A. *et al*, *Tetrahedron*, 1988, **44**, 2021
(synth, pmr)

4-Thiazolemethanol, 9CI, 8CI T-1-00112
 4-(Hydroxymethyl)thiazole
 [7036-04-6]

C_4H_5NOS M 115.1

Viscous oil. Bp₁₅ 123-125°.

Picrate: Yellow needles (EtOH aq.). Mp 158-159°.

Ac:

$C_6H_7NO_2S$ M 157.1 Oil. Bp₁₄ 117-119°, Bp₁ 76°.

Mikhailov, B.M. *et al*, *Zh. Obshch. Khim.*, 1957, **27**, 726; *J. Gen. Chem. USSR (Engl. Transl.)*, 1957, **27**, 799 (*synth, Ac*)

Anderson, H.J. *et al*, *Can. J. Chem.*, 1964, **42**, 2375 (*Ac*)

U.S. Pat., 3 299 083, (1967); *CA*, **68**, 49592n
(synth)

5-Thiazolemethanol, 9CI T-1-00113
 5-(Hydroxymethyl)thiazole
 [38585-74-9]

C_4H_5NOS M 115.1

Synth for biologically active compds. Pale yellow oil. Mod. sol. H₂O. Bp_{0.2} 76°.

Hydrochloride: Needles (EtOH). Mp 83-84°.

Picrate: Yellow needles (EtOH). Mp 152-154°.

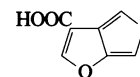
Ac:

$C_6H_7NO_2S$ M 157.1 Oil. Bp_{0.2} 70°.

Fallab, S., *Helv. Chim. Acta*, 1952, **35**, 215
(synth, Ac)

Kerdesky, F.A.J. *et al*, *Synth. Commun.*, 1995, **25**, 2639 (*synth, pmr*)

Thieno[3,4-b]furan-3-carboxylic acid T-1-00114



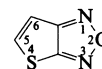
$C_7H_4O_3S$ M 168.1

Me ester:

$C_8H_6O_3S$ M 182.2 Prisms (petrol).
 Mp 63-64°.

Buttery, J.H. *et al*, *Aust. J. Chem.*, 1995, **48**, 593
(synth, uv, pmr, cmr, ms)

Thieno[2,3-c]furan T-1-00115



$C_4H_2N_2OS$ M 126.1

1-Oxide: [52003-17-5]. Thieno[3,2-c]furoxan

$C_4H_2N_2O_2S$ M 142.1 Pale yellow needles (hexane). Mp 101-102° subl.
 Equilibrates in soln. to a mixt. of 1- and 3-oxides.

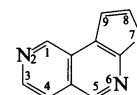
[57893-26-2]

Boulton, A.J. *et al*, *J.O.C.*, 1974, **39**, 2956
(synth, pmr, ms)

Paulmier, C. *et al*, *Bull. Soc. Chim. Fr.*, 1975, 1437 (*synth, pmr*)

Thieno[2,3-c][2,6]naphthyridine T-1-00116

Thieno[2,3-b][2,6]naphthyridine (*incorr.*)
 [160351-10-0]



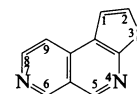
$C_{10}H_6N_2S$ M 186.2

Cryst. Mp 130-131°.

Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(synth, pmr, cmr)

Thieno[2,3-c][2,7]naphthyridine T-1-00117

Thieno[2,3-b][2,7]naphthyridine (*incorr.*)
 [160351-09-7]



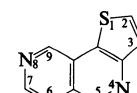
$C_{10}H_6N_2S$ M 186.2

Cryst. Mp 112-116°.

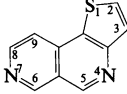
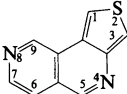
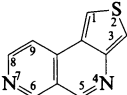
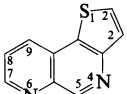
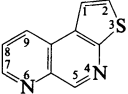
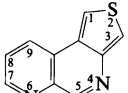
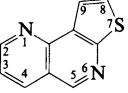
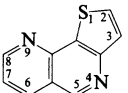
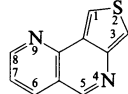
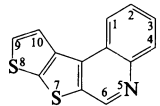
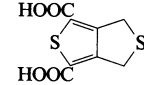
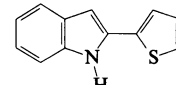
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(synth, pmr, cmr)

Thieno[3,2-c][2,6]naphthyridine T-1-00118

Thieno[3,2-b][2,6]naphthyridine (*incorr.*)
 [160351-11-1]



$C_{10}H_6N_2S$ M 186.2

- Cryst. Mp 131-132°.
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(*synth*, *pmr*, *cmr*)
- Thieno[3,2-c][2,7]naphthyridine** T-1-00119
Thieno[3,2-b][2,7]naphthyridine (incorr.)
[160351-19-9]
- 
- $C_{10}H_6N_2S$ M 186.2
Cryst. Mp 140-141°.
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(*synth*, *pmr*, *cmr*)
- Thieno[3,4-c][2,6]naphthyridine** T-1-00120
Thieno[3,4-b][2,6]naphthyridine (incorr.)
[160351-13-3]
- 
- $C_{10}H_6N_2S$ M 186.2
Cryst. Mp 165-169°.
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(*synth*, *pmr*, *cmr*)
- Thieno[3,4-c][2,7]naphthyridine** T-1-00121
Thieno[3,4-b][2,7]naphthyridine (incorr.)
[160351-17-7]
- 
- $C_{10}H_6N_2S$ M 186.2
Cryst. Mp 157-164°.
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(*synth*, *pmr*, *cmr*)
- Thieno[2,3-f][1,7]naphthyridine** T-1-00122
Thieno[2,3-b][2,8]naphthyridine (incorr.)
[160351-18-8]
- 
- $C_{10}H_6N_2S$ M 186.2
Cryst. Mp 128-131°.
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(*synth*, *pmr*, *cmr*)
- Thieno[3,2-f][1,7]naphthyridine** T-1-00123
Thieno[2,3-b][2,8]naphthyridine (incorr.)
[56890-26-7]
- 
- $C_{10}H_6N_2S$ M 186.2
Cryst. Mp 110-111°.
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(*synth*, *pmr*, *cmr*)
- Thieno[3,4-f][1,7]naphthyridine** T-1-00124
Thieno[3,4-b][2,8]naphthyridine (incorr.)
[160351-16-6]
- 
- $C_{10}H_6N_2S$ M 186.2
Cryst. Mp 118-120°.
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(*synth*, *pmr*, *cmr*)
- Thieno[2,3-h][1,6]naphthyridine** T-1-00125
Thieno[2,3-b][2,5]naphthyridine (incorr.)
[141812-20-6]
- 
- $C_{10}H_6N_2S$ M 186.2
Cryst. Mp 117-119°.
Malm, J. *et al*, *Tet. Lett.*, 1992, **33**, 2199 (*pmr*, *ms*)
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(*synth*, *cmr*)
- Thieno[3,2-h][1,6]naphthyridine** T-1-00126
Thieno[2,3-b][2,5]naphthyridine (incorr.)
[141812-18-2]
- 
- $C_{10}H_6N_2S$ M 186.2
Cryst. Mp 120-122°.
Malm, J. *et al*, *Tet. Lett.*, 1992, **33**, 2199 (*pmr*, *ms*)
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(*synth*, *cmr*)
- Thieno[3,4-h][1,6]naphthyridine** T-1-00127
Thieno[3,4-b][2,5]naphthyridine (incorr.)
[141812-19-3]
- 
- $C_{10}H_6N_2S$ M 186.2
Cryst. Mp 80-88°.
Malin, J. *et al*, *Tet. Lett.*, 1992, **33**, 2199 (*pmr*, *ms*)
Björk, P. *et al*, *J. Het. Chem.*, 1994, **31**, 1161
(*synth*, *cmr*)
- Thieno[3',2':4,5]thieno[2,3-c]quinoline, 9CI** T-1-00128
[120122-06-7]
- 
- $C_{13}H_7NS_2$ M 241.3
Off-white cryst. (C_6H_6). Mp 203-204°.
Luo, J. *et al*, *J. Het. Chem.*, 1995, **32**, 317.
- 1H,3H-Thieno[3,4-c]thiophene-4,6-dicarboxylic acid, 9CI** T-1-00129
[92223-90-0]
- 
- $C_8H_6O_4S_2$ M 230.2
Pink solid. Mp > 350°.
Di-Me ester:
 $C_{10}H_{10}O_4S_2$ M 258.3 Pink needles
(THF/Et₂O). Mp 163-164°.
Diamide: [155632-46-5].
 $C_8H_8N_2O_2S_2$ M 228.2 Pinkish
microcryst. Mp > 250°.
Dinitrile: [155632-45-4]. 4,6-Dicyano-1H,3H-thieno[3,4-c]thiophene
 $C_8H_4N_2S_2$ M 192.2 Needles
(CH₂Cl₂/petrol). Mp 180-182°.
Wynberg, H. *et al*, *J.O.C.*, 1964, **29**, 1919
(*synth*, *Di-Me ester*, *pmr*, *uv*)
Beye, N. *et al*, *J.O.C.*, 1994, **59**, 2223 (*synth*,
deriv, *pmr*, *cmr*, *ir*, *uv*, *ms*)
- 2-(2-Thienyl)-1H-indole, 9CI** T-1-00130
2-(2-Indolyl)thiophene
[55968-16-6]
- 
- $C_{12}H_9NS$ M 199.2
Needles (C_6H_6 /petrol). Mp 169° (162°).
Picrate: Long, dark red plates (petrol). Mp 137°.
Brunck, R., *Annalen*, 1893, **272**, 201 (*synth*)
Holla, B.S. *et al*, *J. Indian Chem. Soc.*, 1974, **51**, 965 (*synth*)

Holla, B.S. *et al*, *Indian J. Chem., Sect. B*, 1979, **17**, 187 (ms)
Tollari, S. *et al*, *J. Mol. Catal.*, 1994, **87**, 203 (synth, pmr, ms)

3-(2-Thienyl)-1H-indole, 9CI T-1-00131

2-(3-Indolyl)thiophene
[33333-57-2]

C₁₂H₉NS M 199.2
Cryst. by subl. Mp 97-98°.

N-Me: [154010-91-0].

C₁₃H₁₁NS M 213.3 No phys. props. reported.

Bergman, J., *Acta Chem. Scand.*, 1971, **25**, 1277 (synth)

Dekker, W.H. *et al*, *J. Agric. Food Chem.*, 1975, **23**, 785 (synth)

Couture, A. *et al*, *J.C.S. Perkin 1*, 1993, 2463 (N-Me, synth, pmr)

2-Thiocyanatothiophene T-1-00132

2-Thienyl thiocyanate, 9CI
[22552-32-5]



C₄H₃NS₂ M 141.2
Oil. Bp 220-230°, Bp₉, 104°. n_D²⁰ 1.5959.

► Lachrymator.

Cherbuliez, E. *et al*, *Helv. Chim. Acta*, 1952, **35**, 160 (synth, uv)

Söderbäck, E., *Acta Chem. Scand.*, 1954, **8**, 1851 (synth)

Gronowitz, S. *et al*, *Ark. Kemi*, 1960, **16**, 309 (ir)

Stoyanovich, F.M. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1969, 387; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1969, 337 (synth)

Toste, F.D. *et al*, *Synth. Commun.*, 1995, **25**, 1277 (synth, ir, pmr, ms)

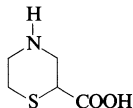
3-Thiocyanatothiophene T-1-00133

3-Thienyl thiocyanate, 9CI
[40507-55-9]

C₅H₃NS₂ M 141.2
Oil. Bp₁₂ 114-115°. n_D²⁰ 1.6035.

Gronowitz, S. *et al*, *Ark. Kemi*, 1960, **16**, 309 (synth, ir)

Gronowitz, S. *et al*, *J. Het. Chem.*, 1977, **14**, 281 (synth)

2-Thiomorpholinecarboxylic acid, 9CI T-1-00134

C₅H₉NO₂S M 147.1
(±)-form

Hydrochloride: [88492-50-6].

Cryst. (EtOH/EtOAc). Mp 185-187°.

Nitrile: [107904-01-8]. 2-Cyanothiomorpholine

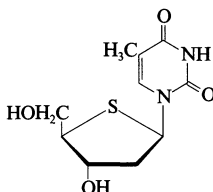
C₆H₈N₂S M 128.1 Liq. Bp_{0,2} 88-90°.

Ricci, G. *et al*, *Biochim. Biophys. Acta*, 1983, **748**, 40 (synth, ms)

King, F.D. *et al*, *J. Med. Chem.*, 1993, **36**, 683 (nitrile)

4'-Thiothymidine, 9CI T-1-00135

[134111-33-4]



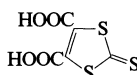
C₁₀H₁₄N₂O₄S M 258.2
Cryst. (EtOH). Mp 213-215°.

Secrist, J.A. *et al*, *J. Med. Chem.*, 1991, **34**, 2361 (synth, uv, pmr, cmr)

2-Thioxo-1,3-dithiole-4,5-dicarboxylic acid, 9CI T-1-00136

Dimercaptomaleic acid cyclic trithiocarbonate, 8CI. 1,3-Dithiole-2-thione-4,5-dicarboxylic acid

[1008-62-4]



C₅H₂O₄S₃ M 222.2
Solid. Mp 165-167° (151-153°) dec.

Di-Me ester: [7396-41-0].

C₇H₆O₄S₃ M 250.3 Cryst. Mp 86-87° (72-72.5°).

Diamide: [1008-61-3].

C₅H₄N₂O₂S₃ M 220.2 Bright yellow solid. Mp 230° dec. approx.

Dinitrile: [1005-10-3]. 4,5-Dicyano-2-thioxo-1,3-dithiole

C₅N₂S₃ M 184.2 Golden-yellow needles (methylcyclohexane). Mp 122-124°.

Dinitrile, 2-S-oxide: [1007-00-7].

C₅N₂OS₃ M 200.2 Purple cryst. (dioxan). Mp 190° dec.

► Intense skin irritant.

Klingsberg, E., *J.A.C.S.*, 1964, **86**, 5290 (synth, dinitrile, diamide)

O'Connor, B.R. *et al*, *J.O.C.*, 1970, **35**, 2002 (Me ester synth)

Melby, L.R. *et al*, *J.O.C.*, 1974, **39**, 2456 (synth, Me ester, pmr)

Thymotrigan, INN T-1-00137

Arginyllysylaspartic acid. Thymopietin 32-34.

RGH 0205. TP 3

[85465-82-3]

Arg-Lys-Asp

C₁₆H₃₁N₇O₆ M 417.4
Thymopietin fragment.

L-L-L-form

RGH 0205

Shows immunomodulatory, immunostimulant and antineoplastic activity. Phase II clinical trials (1991).

► CI9099033.

[85465-83-4]

Eur. Pat., 67 425, (1982) (Gedeon Richter); *CA*, **98**, 179924c (synth)

Kisfaludy, L. *et al*, *Hoppe Seyler's Z. Physiol. Chem.*, 1983, **364**, 933 (synth, pharmacol)

Iván, E. *et al*, *Arch. Toxicol., Suppl.*, 1985, **8**, 495 (tox)

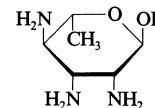
Rajnavölgyi, E. *et al*, *Int. J. Immunopharmacol.*, 1986, **8**, 167 (pharmacol)

Szende, B. *et al*, *Immunopharmacol.*

Immunotoxicol., 1987, **9**, 19 (pharmacol)

Guo, W. *et al*, *J. Pharm. Biomed. Anal.*, 1993, **11**, 541 (conform)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, London, 1993, 1421.

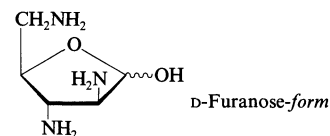
2,3,4-Triamino-2,3,4,6-tetradeoxymannose T-1-00138

C₆H₁₅N₃O₂ M 161.2

α-L-Pyranose-form

Me glycoside, 2N,3N,4N-tri-Ac: [29788-90-7].
C₁₃H₂₃N₃O₅ M 301.3 Cryst. Mp 248-250°. [α]_D²⁰ -98 (c, 0.5 in MeOH).

Lichtenthaler, F.W. *et al*, *Chem. Comm.*, 1970, 1081 (Me gly deriv, pmr)

2,3,5-Triamino-2,3,5-trideoxyarabinose T-1-00139

C₅H₁₃N₃O₂ M 147.1

D-Furanose-form

2N,3N,5N-Tri-Ac: [53332-24-4].

C₁₁H₁₉N₃O₅ M 273.2 Amorph. powder. Mp 226-230° dec.

2N,3N,5N-Tribenzoyl: [55024-31-2].

C₂₆H₂₅N₃O₅ M 459.5 Cryst. (CHCl₃).
β-D-Furanose-form

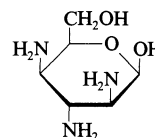
Me glycoside: [53332-14-2].

C₆H₁₅N₃O₂ M 161.2 Needles (MeOH/H₂O/Et₂O) (as trihydrochloride). Mp 240° dec. (trihydrochloride). [α]_D¹⁹ -57.1 (c, 1.81 in H₂O). CAS no. refers to trihydrochloride.

Me glycoside, 2N,3N,5N-tri-Ac: [53332-21-1].
C₁₂H₂₁N₃O₅ M 287.3 Mp 293-294.5°. [α]_D²⁰ -0.84 (CHCl₃/MeOH 4:1).

Kusumoto, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1974, **4**, 2690 (D-fur deriv, β-D-fur deriv, ir)

Goto, T. *et al*, *Tet. Lett.*, 1974, 1413, 1417 (D-fur deriv, β-D-fur deriv)

2,3,4-Triamino-2,3,4-trideoxyidose T-1-00140

C₆H₁₅N₃O₃ M 177.2

β-D-Pyranose-form

1,6-Anhydro: [15910-82-4].

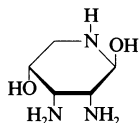
C₆H₁₃N₃O₂ M 159.1 Cryst. + H₂O (dec.) (as trihydrochloride). Mp 189-190° (trihydrochloride). [α]_D²⁰ -48.3 (c, 0.8 in H₂O). CAS no. refers to trihydrochloride.

1,6-Anhydro, 2*N*,3*N*,4*N*-tri-Ac: [15910-83-5].
C₁₂H₁₉N₃O₅ M 285.2 Needles
(EtOH). Mp 267-268° (257-258°). [α]_D²⁰
– 50 (c, 1 in CHCl₃).

Lichtenthaler, F.W. *et al*, *Angew. Chem., Int. Ed.*, 1967, **6**, 568 (tri-Ac, pmr)
Lichtenthaler, F.W. *et al*, *Chem. Ber.*, 1968, **101**,
1846 (anhydro, pmr)

2,3,5-Triamino-2,3,5-trideoxyribose

T-1-00141



β-D-Pyranose-form

C₅H₁₃N₃O₂ M 147.1

β-D-Pyranose-form

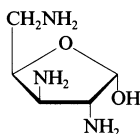
2*N*,3*N*,5*N*-Tri-Ac: [86204-40-2].C₁₁H₁₉N₃O₅ M 273.2 Needles
(EtOH). Mp 251°. [α]_D²⁰ + 36.5 (c, 0.5 in
MeOH).1,2*N*,3*N*,4,5*N*-Penta-Ac: [86204-42-4].C₁₅H₂₃N₃O₇ M 357.3 Amorph. solid.

β-D-Furanose-form

2*N*,3*N*,5*N*-Tri-Ac: [86204-35-5].C₁₁H₁₉N₃O₅ M 273.2 Prisms
(EtOH/Et₂O). Mp 187-188°. [α]_D¹⁵ – 10.5
(c, 0.3 in MeOH).Benzyl glycoside, 2*N*,3*N*,5*N*-tri-Ac: [74593-
12-7].C₁₈H₂₅N₃O₅ M 363.4 Cryst.
(EtOH/Et₂O). Mp 166°. [α]_D²⁰ – 74 (c, 0.3
in MeOH).Hasegawa, A. *et al*, *Carbohydr. Res.*, 1980, **81**,
23 (β-fur deriv, ir, pmr)Okumura, H. *et al*, *Agric. Biol. Chem.*, 1983, **47**,
839 (β-fur deriv, β-pyr deriv, pmr)

2,3,5-Triamino-2,3,5-trideoxyxylose

T-1-00142

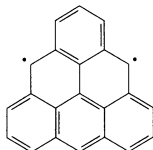
C₅H₁₃N₃O₂ M 147.1

α-D-Furanose-form

1,2*N*,3*N*,5*N*-Tetra-Ac: [74590-36-6].C₁₃H₂₁N₃O₆ M 315.3 Needles
(EtOH). Mp 229-231° dec. [α]_D²⁰ + 132 (c,
0.3 in DMF).Hasegawa, A. *et al*, *Carbohydr. Res.*, 1980, **81**,
23 (tetra-Ac, ir)

Triangulene

T-1-00143

Dibenzo[cd,mn]pyrenediyl
[126850-51-9]C₂₂H₁₂ M 276.3

Non-Kekulé biradical. Currently known as a
deriv. (see 4,8,12-Trioxodibenzo[cd,mn]
pyrenediyl(3-), T-1-00255).

Allinson, G. *et al*, *J.C.S. Perkin I*, 1995, 385.

1,4,7-Triazatricyclo[5.2.1.0^{4,10}]decane

T-1-00144

Hexahydro-6*b*H-2*a*,4*a*,6*a*-triazacyclopenta[cd]
pentalene, 9*Cl*. [9]Ane N₃
[67705-38-8]C₇H₁₃N₃ M 139.2

Oil. Mp – 17° to – 12° approx.

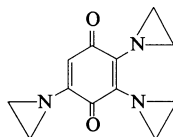
Atkins, T.J. *et al*, *J.A.C.S.*, 1980, **102**, 6365
(synth, pmr)Weisman, G.R. *et al*, *Chem. Comm.*, 1987, 886
(synth)Blake, A.J. *et al*, *Acta Cryst. C*, 1995, **41**, 738
(cryst struct)

Tri-1-aziridinyl-1,4-benzoquinone

T-1-00145

2,3,5-Tris(1-aziridinyl)-2,5-cyclohexadiene-1,4-
dione, 9*Cl*. Triaziqunone, BAN, INN.Triaziqunone. Oncoredox. Trenimon. A 163.
Bayer 3231. NSC 29215. Riker 601. RP
10257

[68-76-8]

C₁₂H₁₃N₃O₂ M 231.2Antineoplastic agent, can cross blood-brain
barrier. No longer marketed. Purple cryst.
(EtOAc). Mp 162.5-163°.▶ LD₅₀ (rat, ipr) 0.5 mg/kg. Exp. carcinogen
and teratogen. DK7175000.Gauss, W., *Chem. Ber.*, 1958, **91**, 2216 (synth)*U.S. Pat.*, 2 976 279, (1961) (SchenleyIndustries); *CA*, **55**, 18771h (synth)Linford, J.H., *Chem. Biol. Interact.*, 1973, **6**, 149
(rev, props)*IARC Monog.*, 1975, **9**, 67; *Suppl.* 6, 545; *Suppl.*
7, 367 (rev, tox)Obe, G. *et al*, *Mutat. Res.*, 1979, **65**, 21 (rev)*Martindale, The Extra Pharmacopoeia*,

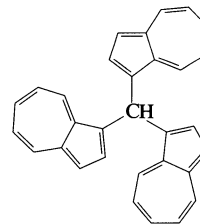
28th/29th edn., Pharmaceutical Press,

London, 1982/1989, 1873.

Silva, J.M. *et al*, *Cancer Res.*, 1992, **52**, 3015
(tox)Lewis, R.J., *Sax's Dangerous Properties of*
Industrial Materials, 8th edn., Van Nostrand
Reinhold, 1992, TND000.

Tri-1-azulenylmethane

T-1-00146

1,1',1''-Methyldynetrisazulene
[115525-54-7]C₃₁H₂₂ M 394.5

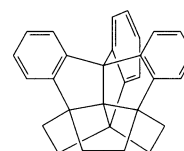
Blue prisms. Mp 193-200° dec.

Ito, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1995, **68**,
1409 (synth, uv, pmr, cmr)

Tribenzocentrophexaquinane

T-1-00147

[157766-33-1]

C₂₉H₂₄ M 372.5

Cryst. Mp 264°.

Kuck, D. *et al*, *Angew. Chem., Int. Ed.*, 1994,
33, 1251 (synth, pmr, cmr)

2,3,5-Tribromo-1,4-benzenediol

T-1-00148

Tribromohydroquinone. Tribromoquinol
[23149-36-2]C₆H₃Br₃O₂ M 346.8Constit. of a marine acorn worm. Needles
(CHCl₃). Mp 136°.*Di-Ac*: [23030-35-5].C₁₀H₇Br₃O₄ M 430.8 Mp 186-190°.Sarauw, E., *Annalen*, 1881, **209**, 116 (synth)Terentev, A.P. *et al*, *Zh. Obshch. Khim.*, 1954,
24, 1433; *CA*, **49**, 12353e (synth)Higa, T. *et al*, *Comp. Biochem. Physiol., B:*
Comp. Biochem., 1980, **65**, 525 (isol)

3,4,4-Tribromo-3-buten-2-one

T-1-00149

[70442-45-4]

C₄H₃Br₃O M 306.7Constit. of the red seaweed *Asparagopsis*
taxiformis.Fenical, W. *et al*, *Proc. Int. Seaweed Symp.*,
1977, **9**, 387; *CA*, **91**, 14474.

2,4,6-Tribromo-1*H*-indole, 9*Cl*

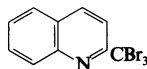
T-1-00150

[128367-88-4]



$C_8H_4Br_3N$ M 353.8
Alkaloid from the Okinawan red alga
Laurencia brongiarti. Cryst.
(hexane/ CCl_4). Mp 106–113°.
Tanaka, J. *et al*, *Tetrahedron*, 1989, **45**, 7301
(*isol*, *ir*, *pmr*, *ms*, *struct*)

2-(Tribromomethyl)quinoline, 9CI T-1-00151
 α,α,α -Tribromoquinaldine
[613-53-6]



$C_{10}H_6Br_3N$ M 379.8
Cryst. (EtOH or AcOH). Mp 130–132°.
Hammick, D.L., *J.C.S.*, 1923, 2883 (*synth*)
Hamana, M. *et al*, *Chem. Pharm. Bull.*, 1963, **11**, 411 (*synth*)

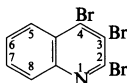
1,2,2-Tribromo-3,3,4,4,5,5,6,6,6-nonafluorohexane, 9CI T-1-00152
[59665-24-6]



$C_6H_2Br_3F_9$ M 484.7
Bp_{2,5} 97°.

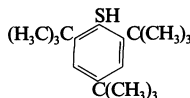
Le Blanc, M. *et al*, *J. Fluorine Chem.*, 1976, **7**, 525.

2,3,4-Tribromoquinoline T-1-00153
[41320-97-2]



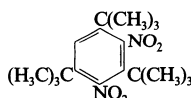
$C_9H_4Br_3N$ M 365.8
Cryst. (EtOH aq.). Mp 129–130°.
den Hertog, H.J. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1973, **92**, 304 (*synth*, *pmr*)

2,4,6-Tri-tert-butylbenzenethiol, 8CI T-1-00154
2,4,6-Tris(1,1-dimethylethyl)benzenethiol, 9CI
[961-39-7]



$C_{18}H_{30}S$ M 278.5
Cryst. (EtOH). Mp 180–181°.
Rundel, W., *Chem. Ber.*, 1968, **101**, 2956 (*synth*)

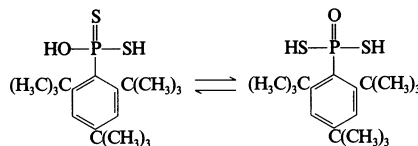
1,3,5-Tri-tert-butyl-2,4-dinitrobenzene T-1-00155
1,3,5-Tris(1,1-dimethylethyl)-2,4-dinitrobenzene, 9CI
[20568-98-3]



$C_{18}H_{28}N_2O_4$ M 336.4

Cryst. Mp 293–295°.
Myre, P.C. *et al*, *J.A.C.S.*, 1966, **88**, 1568; 1968, **90**, 2105; 1971, **93**, 3452 (*synth*)
Suzuki, H. *et al*, *J.C.S. Perkin I*, 1993, 1591
(*synth*, *ir*, *pmr*, *ms*)

(2,4,6-Tri-tert-butylphenyl) phosphonodithioic acid, 8CI T-1-00156
[2,4,6-Tris(1,1-dimethylethyl)phenyl] phosphonodithioic acid, 9CI
Supermesitylphosphonodithioic acid
[97067-26-0]



$C_{18}H_{31}OPS_2$ M 358.5
Tautomeric.

Thiophosphoryl-form

O-Me ester: [89218-31-5]. *O-Methyl (2,4,6-tri-tert-butylphenyl)phosphonodithioate*
 $C_{19}H_{33}OPS_2$ M 372.5 Cryst. (MeOH).
Mp 70–71°.

O-Et ester: [122421-24-3]. *O-Ethyl (2,4,6-tri-tert-butylphenyl)phosphonodithioate*
 $C_{20}H_{35}OPS_2$ M 386.6 Cryst. (MeOH).
Mp 76–78°.

Navech, J. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1988, **39**, 33 (*synth*, *ir*, *pmr*, *cmr*, *P-31 nmr*)

1,2,3-Tri-tert-butyltriphosphine, 8CI T-1-00157
1,2,3-Tris(1,1-dimethylethyl)triphosphine, 9CI
[77256-93-0]



$C_{12}H_{29}P_3$ M 266.2
Ligand for Hf, Ti and Zr. Cryst.
Diastereoisomers recognised spectroscopically.

Di-Li salt: [91662-82-7].
Solid. Insol. pentane.

[69426-91-1]
Baudler, M. *et al*, *Z. Anorg. Allg. Chem.*, 1978, **446**, 169; 1984, **509**, 38, 53 (*synth*, *ir*, *Raman*, *pmr*, *P-31 nmr*)
Köpf, H. *et al*, *Chem. Ber.*, 1981, **114**, 2731 (*complexes*)
Baudler, M. *et al*, *Z. Anorg. Allg. Chem.*, 1992, **617**, 31 (*props*)

1,1,2-Trichlorocyclohexane, 9CI T-1-00158
[19024-48-7]



$C_6H_9Cl_3$ M 187.4
(±)-*form* [29841-00-7]
Oil. Bp 222°, Bp₂₀ 106–107°. n_D^{25} 1.5066.
Mousseron, M. *et al*, *Bull. Soc. Chim. Fr.*, 1953, 628 (*synth*)
Buys, H.R. *et al*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1967, **86**, 1007 (*conformn*)

Calderbank, K.E. *et al*, *J.C.S.(B)*, 1970, 1608 (*conformn*)
Brown, A.B. *et al*, *Synth. Commun.*, 1995, **25**, 485 (*synth*, *ir*, *pmr*, *cmr*)

1,2,4-Trichloro-5-fluorobenzene T-1-00159
[400-04-4]



$C_6H_2Cl_3F$ M 199.4
Needles (petrol). Mp 62–64°. Bp 203–204°.
Riemschneider, R., *Chem. Ber.*, 1958, **91**, 2605 (*synth*)
Vorozhtsov, N.N. *et al*, *Zh. Obshch. Khim.*, 1961, **31**, 1222; *J. Gen. Chem. USSR (Engl. Transl.)*, 1961, **31**, 1130.
Wasylishen, R. *et al*, *Can. J. Chem.*, 1970, **48**, 2885 (*pmr*)
Nyquist, R.A., *Spectrochim. Acta A*, 1970, **26**, 849 (*ir*, *Raman*)

P-(Trichloromethyl) phosphonous diamide, 9CI T-1-00160
 $CCl_3P(NH_2)_2$

$CH_4Cl_3N_2P$ M 181.3

N,N,N',N'-Tetra-Me: [100548-28-5].
N,N,N',N'-Tetramethyl-P-(trichloromethyl) phosphonous diamide. (Trichloromethyl) phosphonous bis(dimethylamide)
 $C_8H_{12}Cl_3N_2P$ M 237.4 Liq. Mp –1° to +1°. Bp_{0.02} 62–64°. n_D^{20} 1.5021.

N,N,N',N'-Tetra-Et: [110788-38-0].
N,N,N',N'-Tetraethyl-P-(trichloromethyl) phosphonous diamide. (Trichloromethyl) phosphonous bis(diethylamide)
 $C_9H_{20}Cl_3N_2P$ M 293.6 No phys. props. reported.

N,N,N',N'-Tetraisopropyl: [123959-78-4].
N,N,N',N'-Tetraisopropyl-P-(trichloromethyl) phosphonous diamide. (Trichloromethyl) phosphonous bis(diisopropylamide)
 $C_{13}H_{28}Cl_3N_2P$ M 349.7 Cryst. (pentane). Mp 99–100°.

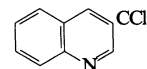
Prishchenko, A.A. *et al*, *Zh. Obshch. Khim.*, 1985, **55**, 1194; *J. Gen. Chem. USSR (Engl. Transl.)*, 1985, **55**, 1065 (*tetramethyl*, *synth*, *pmr*, *cmr*, *P-31 nmr*)

Marchenko, A.P. *et al*, *Zh. Obshch. Khim.*, 1986, **56**, 1910; *J. Gen. Chem. USSR (Engl. Transl.)*, 1986, **56**, 1687 (*tetraethyl*, *synth*, *P-31 nmr*)

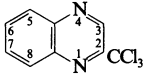
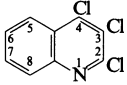
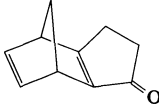
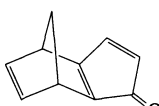
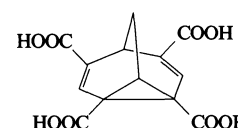
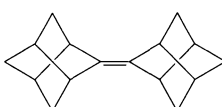
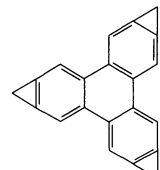
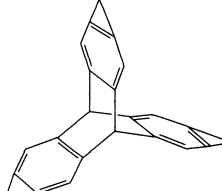
Koidan, G.N. *et al*, *Zh. Obshch. Khim.*, 1988, **58**, 1461; *J. Gen. Chem. USSR (Engl. Transl.)*, 1988, **58**, 1304 (*tetramethyl*, *synth*, *P-31 nmr*)

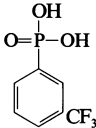
Marchenko, A.P. *et al*, *Zh. Obshch. Khim.*, 1989, **59**, 959; *J. Gen. Chem. USSR (Engl. Transl.)*, 1989, **59**, 843 (*tetraisopropyl*, *synth*, *cmr*, *P-31 nmr*)

3-(Trichloromethyl)quinoline T-1-00161



$C_{10}H_6Cl_3N$ M 246.5

- Oil. Bp_{0.2} 83-85°.
Cartwright, D. *et al*, *J.C.S. Perkin I*, 1995, 2595
(*synth*, *pmr*)
- 2-(Trichloromethyl)quinoxaline** **T-1-00162**
- 
- C₉H₅Cl₃N₂ M 247.5
Cryst. Mp 57°. Bp_{0.5} 120°.
Cartwright, D. *et al*, *J.C.S. Perkin I*, 1995, 2595
(*synth*, *pmr*)
- 3,3,3-Trichloro-1-phenylpropene** **T-1-00163**
(3,3,3-Trichloro-1-propenyl)benzene, 9CI. ω-Trichloromethylstyrene
- PhCH=CHCCl₃
- C₉H₇Cl₃ M 221.5
Oil. Bp₁ 91-92°.
[76707-82-9, 91083-81-7]
Kharasch, M.S. *et al*, *J.A.C.S.*, 1947, **69**, 1105
(*synth*)
Nesmeyanov, A.N. *et al*, *Zh. Obshch. Khim.*, 1956, **25**, 1070; *J. Gen. Chem. USSR (Engl. Transl.)*, 1956, **25**, 1215 (*synth*)
Voges, A. *et al*, *Synthesis*, 1995, 253 (*synth*, *pmr*, *cmr*)
- 2,3,4-Trichloroquinoline** **T-1-00164**
[40335-02-2]
- 
- C₉H₄Cl₃N M 232.4
Needles (MeOH). Mp 106-107°.
Beak, P. *et al*, *Tetrahedron*, 1972, **28**, 5507
(*synth*, *pmr*, *ir*, *ms*)
Osborne, A.G. *et al*, *J.C.S. Perkin I*, 1993, 2747
(*synth*, *pmr*, *cmr*)
- 1,14-Tricosadiene** **T-1-00165**
- H₃C(CH₂)₉CH=CH(CH₂)₁₁CH=CH₂
- C₂₃H₄₄ M 320.6
(*E*)-*form* [104899-43-6]
Isol. from the green alga *Botryococcus braunii*.
(*Z*)-*form* [104899-38-9]
Isol. from *B. braunii*.
Metzger, P. *et al*, *Phytochemistry*, 1986, **25**, 1869; 1993, **33**, 1125 (*isol*, *pmr*, *cmr*)
- Tricosaffluorododecanoic acid**, **T-1-00166**
9CI
[307-55-1]
- F₃C(CF₂)₁₀COOH
- C₁₂HF₂₃O₂ M 614.1
Cryst. (CCl₄). Mp 112-114°.
Hare, E.F. *et al*, *J. Phys. Chem.*, 1954, **58**, 236
(*props*)
Huang, B.-N., *J. Fluorine Chem.*, 1987, **36**, 49
(*synth*, *ir*, *F-19 nmr*)
- 10-Tricosanone** **T-1-00167**
[39754-76-2]
- H₃C(CH₂)₁₂CO(CH₂)₈CH₃
- C₂₃H₄₆O M 338.6
Constit. of the seeds of *Achyranthes aspera*.
Mp 60-61°.
Larson, G.L. *et al*, *J.O.C.*, 1985, **50**, 5260
(*synth*)
Ali, M., *Orient. J. Chem.*, 1993, **9**, 84 (*isol*)
- 1-Tricosene** **T-1-00168**
[18835-32-0]
- H₃C(CH₂)₂₀CH=CH₂
- C₂₃H₄₆ M 322.6
Constit. of the alga *Botryococcus braunii* and various plant spp. incl. *Gardenia tahitensis*.
Fp 41.6°. Bp 379°, Bp₁₀ 222.4°.
Dreisbach, R.R., *Adv. Chem. Ser.*, 1959, **22**, 1
(*props*)
Bessiere, J.M. *et al*, *Fitoterapia*, 1985, **56**, 62
(*isol*)
MacLeod, G., *Phytochemistry*, 1990, **29**, 1197
(*isol*)
Davis, F. *et al*, *Macromolecules*, 1991, **56**, 5695
(*synth*)
Metzger, P., *Phytochemistry*, 1993, **33**, 1125
(*isol*)
- (Tricyanomethyl)phosphonic acid** **T-1-00169**
Tricyanomethanephosphonic acid
- (NC)₃CP(O)(OH)₂
- C₄H₂N₃O₃P M 171.0
Bis(2-methylpropyl) ester: [111670-81-6].
C₁₂H₁₈N₃O₃P M 283.2 Viscous oil.
Di-Ph ester:
C₁₆H₁₀N₃O₃P M 323.2 Viscous oil.
Koehler, H. *et al*, *Z. Anorg. Allg. Chem.*, 1986, **542**, 53 (*synth*, *ir*, *P-31 nmr*)
- Tricyclo[5.2.1.0^{2,6}]deca-2(6),8-dien-3-one** **T-1-00170**
- 
- C₁₀H₁₀O M 146.1
Oil.
Zhu, J. *et al*, *Tetrahedron*, 1995, **51**, 5117 (*synth*, *ir*, *pmr*, *cmr*, *ms*)
- Tricyclo[5.2.1.0^{2,6}]deca-2(6),4,8-trien-3-one** **T-1-00171**
- 
- C₁₀H₈O M 144.1
Reactive intermed., can be trapped by cycloaddn. or nucleophilic conjugate addn.
Zhu, J. *et al*, *Tetrahedron*, 1995, **51**, 5117 (*synth*)
- Tricyclo[3.3.1.0^{2,8}]nona-3,6-diene-2,4,6,8-tetracarboxylic acid, 9CI** **T-1-00172**
2,4,6,8-Barbaralanetetra-carboxylic acid
- 
- C₁₃H₁₀O₈ M 294.2
Tetra-Me ester: [155671-79-7].
C₁₇H₁₈O₈ M 350.3 Cryst.
(Et₂O/hexane). Mp 99-100°.
Win, W.W. *et al*, *J.O.C.*, 1994, **59**, 2803 (*synth*, *cryst struct*, *ir*, *pmr*, *uv*)
- 2-Tricyclo[3.3.0.0^{3,7}]octylidenetricyclo[3.3.0.0^{3,7}]octane, 9CI** **T-1-00173**
2,2'-Bi(tricyclo[3.3.0.0^{3,7}]oct-2-ylidene)
- 
- C₁₆H₂₀ M 212.3
Two isomers obt., the C_{2h}-symmetric (±)-form (illus.) and the D₂-symmetric *meso*-form.
(±)-*form*
Needles. Mp 30°.
meso-form
Needles. Mp 30°.
[169275-26-7]
Gleiter, R. *et al*, *Angew. Chem., Int. Ed.*, 1995, **34**, 1001.
- 2,3:6,7:10,11-Tricyclopropatriphenylene** **T-1-00174**
- 
- C₂₁H₁₂ M 264.3
Solid.
Billups, W.E. *et al*, *J.A.C.S.*, 1994, **116**, 8831
(*synth*, *uv*, *pmr*, *cmr*)
- 2,3:6,7:14,15-Tricyclopropatriptycene** **T-1-00175**
- 
- C₂₃H₁₄ M 290.3
Solid.
Billups, W.E. *et al*, *J.A.C.S.*, 1994, **116**, 8831
(*synth*, *ir*, *uv*, *pmr*)

- 1,12-Tridecadiene, 9CI** **T-1-00176** **(Triethoxymethyl)phosphonic acid** **T-1-00180**
 [21964-48-7] $\text{H}_2\text{C}=\text{CH}(\text{CH}_2)_9\text{CH}=\text{CH}_2$ $(\text{EtO})_3\text{CP}(\text{O})(\text{OH})_2$
 $\text{C}_{13}\text{H}_{24}$ M 180.3 $\text{C}_7\text{H}_{17}\text{O}_6\text{P}$ M 228.1
 Liq. Bp₅₆ 139-140°, Bp₁₇ 111.4-111.8°. n_{D}^{25} 1.4400. Di-Et ester: [17507-52-7]. Diethyl [(triethoxy)methyl]phosphonate
 Marvel, C.S. *et al.*, *J.A.C.S.*, 1959, **81**, 4737 $\text{C}_{11}\text{H}_{25}\text{O}_6\text{P}$ M 284.2 Liq. Bp₁ 85°. n_{D}^{20} 1.4252.
 (synth) Johnson, D.K. *et al.*, *Synth. Commun.*, 1994, **24**, 1557 (synth, pmr) Diisopropyl ester: [17391-59-2]. Diisopropyl [(triethoxy)methyl]phosphonate
 $\text{C}_{13}\text{H}_{25}\text{O}_6\text{P}$ M 312.3 Liq. Bp₁ 83°. n_{D}^{20} 1.4220.
5,11-Tridecadiyn-1-ol **T-1-00177** **Dibutyl ester**: [17507-53-8]. Dibutyl [(triethoxy)methyl]phosphonate
 [160109-69-3] $\text{H}_3\text{CC}\equiv\text{C}(\text{CH}_2)_4\text{C}\equiv\text{C}(\text{CH}_2)_3\text{CH}_2\text{OH}$ $\text{C}_{11}\text{H}_{33}\text{O}_6\text{P}$ M 340.3 Liq. Bp₁ 111°. n_{D}^{20} 1.4295.
 $\text{C}_{13}\text{H}_{20}\text{O}$ M 192.3 Prishchenko, A.A. *et al.*, *Zh. Obshch. Khim.*, 1988, **58**, 2168; *J. Gen. Chem. USSR (Engl. Transl.)*, 1988, **58**, 1932 (synth, cmr, P-31 nmr)
 No phys. props. descr. Bao, J. *et al.*, *J.A.C.S.*, 1994, **116**, 7616 (synth, ir, pmr, cmr, ms)
- Tridecafluoroheptanoic acid** **T-1-00178** **1,1,1-Trifluoro-4-bromobutane** **T-1-00181**
 Perfluoroheptanoic acid [406-81-5]
 [375-85-9] $\text{F}_3\text{C}(\text{CF}_2)_3\text{COOH}$ $\text{F}_3\text{CCH}_2\text{CH}_2\text{CH}_2\text{Br}$
 $\text{C}_7\text{HF}_{13}\text{O}_2$ M 364.0 $\text{C}_4\text{H}_6\text{BrF}_3$ M 190.9
 Cryst. (CCl₄). d 1.79. Mp 54°. Bp 175°, Bp₄₀ 105°. d₂₅ 1.58. Bp 103-105°. n_{D}^{25} 1.3800.
 Na salt: [20109-59-5]. Cryst. (H₂O). Gavlin, G. *et al.*, *J.O.C.*, 1956, **21**, 1342 (synth)
 Me ester: [14312-89-1]. $\text{C}_8\text{H}_5\text{F}_{13}\text{O}_2$ M 378.0 Liq. Bp₃ 60.65°. Steward, O.W. *et al.*, *J.A.C.S.*, 1959, **81**, 1983 (synth)
 Amide: [2358-22-7]. $\text{C}_7\text{H}_2\text{F}_{13}\text{NO}$ M 363.0 Cryst. (MeOH aq.). Mp 135°. **4,4,4-Trifluoro-1-butanol** **T-1-00182**
 [461-18-7] $\text{F}_3\text{CCH}_2\text{CH}_2\text{CH}_2\text{OH}$
 $\text{C}_4\text{H}_7\text{F}_3\text{O}$ M 128.0
 Bp 123-125°. n_{D}^{20} 1.3516 (1.3410).
 4-Nitrobenzoyl: Mp 47.5-48°.
 3,5-Dinitrobenzoyl: Mp 86.5-97°.
 McBee, E.T., *J.A.C.S.*, 1950, **72**, 5071 (synth)
 Walborsky, H.M. *et al.*, *J.A.C.S.*, 1955, **77**, 3637 (synth)
 Gavlin, G. *et al.*, *J.O.C.*, 1956, **21**, 1342 (synth)
- 2,3,4-Trifluoro-1-iodo-5-nitrobenzene** **T-1-00186**
 [148388-75-4]
- 4,4,4-Trifluoro-2-butanone** **T-1-00183**
 [2366-70-3] $\text{F}_3\text{CCH}_2\text{COCH}_3$
 $\text{C}_4\text{H}_6\text{F}_3\text{O}$ M 126.0
 Bp 95-96°.
 2,4-Dinitrophenylhydrazine: Mp 131-132°.
 Haszeldine, R.N. *et al.*, *J.C.S.*, 1954, 1261 (synth, ir)
 Tordeux, M. *et al.*, *Org. Magn. Reson.*, 1980, **14**, 407 (nmr)
 Muller, N., *J.O.C.*, 1983, **48**, 1370 (synth)
- P-(Trifluoroethenyl) phosphonous diamide, 9CI** **T-1-00184**
 P-(Trifluorovinyl)phosphonous diamide
 $\text{F}_2\text{C}=\text{CFP}(\text{NH}_2)_2$
 $\text{C}_2\text{H}_4\text{F}_3\text{N}_2\text{P}$ M 144.0
 N,N,N',N'-Tetra-Me: [24512-26-3].
 N,N,N',N'-Tetramethyl-P-(trifluoroethenyl)phosphonous diamide. (Trifluorovinyl)phosphonous bis(dimethylamide)
 $\text{C}_6\text{H}_{12}\text{F}_3\text{N}_2\text{P}$ M 200.1 Condensed at -78°. Dec. within hrs. at r.t.
- 1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluoro-1-hexanesulfonyl chloride, 9CI** **T-1-00179**
 Perfluorohexanesulfonylchloride
 [89987-98-4] $\text{F}_3\text{C}(\text{CF}_2)_3\text{SOCl}$
 $\text{C}_6\text{ClF}_{13}\text{S}$ M 386.5
 Catalyst in redn. of OH groups. Bp 124-126°.
 Cole, S.J. *et al.*, *J.C.S. Perkin 1*, 1991, 103 (use)
- N,N,N',N'-Tetra-Et: N,N,N',N'-Tetraethyl-P-(trifluoroethenyl)phosphonous diamide. (Trifluorovinyl)phosphonous bis(diethylamide)**
 $\text{C}_{10}\text{H}_{20}\text{F}_3\text{N}_2\text{P}$ M 256.2 Unpleasant smelling liq. d₄²⁰ 1.05. Bp₁₁ 89-90°. n_{D}^{20} 1.4470.
 Sterlin, R.N. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1960, 1991; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1960, 1851 (tetraethyl)
 Cowley, A.H. *et al.*, *J.A.C.S.*, 1969, **91**, 1929 (tetramethyl, synth, pmr, F-19 nmr)
- [3-(Trifluoroethyl)phenyl] phosphonic acid, 9CI** **T-1-00185**
 [51907-90-5]
- 
- $\text{C}_7\text{H}_6\text{F}_3\text{O}_3\text{P}$ M 226.0
 Solid or plates (H₂O). Mp 116° (112-113°).
 Di-Me ester: [42250-24-8]. Dimethyl [3-(trifluoromethyl)phenyl]phosphonate
 $\text{C}_9\text{H}_{10}\text{F}_3\text{O}_3\text{P}$ M 254.1 Liq. Bp_{1.25} 88-90°.
 Di-Et ester: [54057-97-5]. Diethyl [3-(trifluoromethyl)phenyl]phosphonate
 $\text{C}_{11}\text{H}_{14}\text{F}_3\text{O}_3\text{P}$ M 282.1 Phys. props. not reported.
 Benrude, W.G. *et al.*, *J.A.C.S.*, 1972, **95**, 3625 (dimethyl ester, synth, ir, pmr)
 Schmutzler, R., *J.C.S. Dalton*, 1973, 2687 (synth, F-19 nmr, P-31 nmr)
 Bunnnett, J.F. *et al.*, *J.O.C.*, 1974, **39**, 3612 (diethyl ester)
 Klumpp, E. *et al.*, *Chem. Ber.*, 1989, **122**, 2021 (synth)
- 1,1,1-Trifluoro-3-iodopropane** **T-1-00187**
 [460-37-7] $\text{F}_3\text{CCH}_2\text{CH}_2\text{I}$
 $\text{C}_3\text{H}_4\text{F}_3\text{I}$ M 223.9
 Bp 90°. n_{D}^{25} 1.4175.
 Haszeldine, R.N., *J.C.S.*, 1949, 2856; 1953, 1764 (synth, w)
 Bell, T.N., *J.C.S.*, 1961, 4973.

3'-(Trifluoromethyl)acetophenone, 8CI
1-[3-(Trifluoromethyl)phenyl]ethanone, 9CI. m-Acetylbenzotrifluoride
[349-76-8]



$C_9H_7F_3O$ M 188.1
d 1.23. Bp 198-200°.

Semicarbazone: [454-05-7].
Mp 201-203°.

Aldrich Library of FT-IR Spectra, 1st edn., 3, 1243A.

Aldrich Library of NMR Spectra, 2nd edn., 2, 25C.

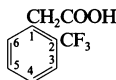
Eistert, B. et al, *Annalen*, 1968, 717, 80 (synth, ir)

4'-(Trifluoromethyl)acetophenone
1-[4-(Trifluoromethyl)phenyl]ethanone, 9CI. p-Acetylbenzotrifluoride
[709-63-7]

$C_9H_7F_3O$ M 188.1
Mp 30-33°. Bp₈ 79-80°.

Hortmann, A.G. et al, *J.O.C.*, 1972, 37, 322 (synth, bibl, pmr)

2-(Trifluoromethyl)benzeneacetic acid
(α,α,α -Trifluoro-*o*-tolyl)acetic acid
[3038-48-0]



$C_9H_7F_3O_2$ M 204.1
Mp 104-106°.

Aldrich Library of FT-IR Spectra, 1st edn., 2, 150B.

Aldrich Library of NMR Spectra, 2nd edn., 2, 146C.

Van der Stelt, C. et al, *Arzneim.-Forsch.*, 1965, 15, 1251 (synth)

3-(Trifluoromethyl)benzeneacetic acid
(α,α,α -Trifluoro-*m*-tolyl)acetic acid
[351-35-9]

$C_9H_7F_3O_2$ M 204.1
Cryst. (petrol). Mp 76-79°.

Me ester: [62451-84-7].

$C_{10}H_9F_3O_2$ M 218.1 Bp_{0,2} 57-58°.

Et ester:

$C_{11}H_{11}F_3O_2$ M 232.2 Bp₄ 87-88°.

Aldrich Library of FT-IR Spectra, 1st edn., 2, 154C.

Corse, J.W. et al, *J.A.C.S.*, 1948, 70, 2837 (synth)

Rosenkrantz, B.E. et al, *J. Chem. Eng. Data*, 1963, 8, 237 (synth, Et ester)

Lambert, J.B. et al, *J.A.C.S.*, 1977, 99, 3059 (synth, Me ester)

4-(Trifluoromethyl)benzeneacetic acid
(α,α,α -Trifluoro-*p*-tolyl)acetic acid. (4-Trifluoromethylphenyl)acetic acid
[32857-62-8]

$C_9H_7F_3O_2$ M 204.1
Mp 83-85°.

Et ester: [721-63-1].

$C_{11}H_{11}F_3O_2$ M 232.2 Mp 34-35°, Mp 130-135°. Bp₇ 104-105°. No explanation for wide literature discrepancy in Mp's.

Aldrich Library of FT-IR Spectra, 1st edn., 2, 157A.

Rosenkrantz, B.E. et al, *J. Chem. Eng. Data*, 1963, 8, 237 (synth, Et ester)

U.K. Pat., 1 310 642, (1973); *CA*, 79, 5358p (synth)

Hammond, G.B. et al, *J. Fluorine Chem.*, 1988, 40, 81 (synth, Et ester, ir, pmr)

2-(Trifluoromethyl)benzophenone, 8CI
Phenyl[2-(trifluoromethyl)phenyl]methanone, 9CI
[727-99-1]



$C_{14}H_9F_3O$ M 250.2

Cryst. Mp 60-62°. Bp₃₁ 175-178°.

Aldrich Library of FT-IR Spectra, 1st edn., 3, 1271D.

Aldrich Library of NMR Spectra, 2nd edn., 2, 66D.

Lichtenberger, J. et al, *Bull. Soc. Chim. Fr.*, 1962, 587 (synth)

Van der Stelt, C. et al, *Arzneim.-Forsch.*, 1964, 14, 864 (synth)

3-(Trifluoromethyl)benzophenone
Phenyl[3-(trifluoromethyl)phenyl]methanone, 9CI
[728-81-4]

$C_{14}H_9F_3O$ M 250.2

Mp 52-53°. Bp_{1,5} 121-123°.

Oxime: [732-47-8].

Mp 134-141°.

Aldrich Library of FT-IR Spectra, 1st edn., 3, 1272A.

Aldrich Library of NMR Spectra, 2nd edn., 2, 67A.

Kovacic, P. et al, *J.O.C.*, 1961, 26, 2541 (synth)

Lichtenberger, J. et al, *Bull. Soc. Chim. Fr.*, 1962, 587 (synth)

Hoffman, R.V. et al, *J.O.C.*, 1979, 44, 2364 (synth)

4-(Trifluoromethyl)benzophenone, 8CI
Phenyl[4-(trifluoromethyl)phenyl]methanone, 9CI
[728-86-9]

$C_{14}H_9F_3O$ M 250.2

Cryst. Mp 116-118°.

Aldrich Library of FT-IR Spectra, 1st edn., 2, 63D.

Aldrich Library of NMR Spectra, 2nd edn., 2, 67B.

Rooney, C.S. et al, *Can. J. Chem.*, 1955, 33, 1633 (synth)

Hugel, H.M. et al, *Aust. J. Chem.*, 1979, 32, 1511 (cmr)

2-(Trifluoromethyl)benzyl alcohol, 8CI
2-(Trifluoromethyl)benzenemethanol, 9CI
[346-06-5]



$C_8H_7F_3O$ M 176.1
d 1.33. Bp₂₀ 90°.

3,5-Dinitrobenzoyl: Mp 73-74°.

Aldrich Library of FT-IR Spectra, 1st edn., 3, 1051C.

Aldrich Library of NMR Spectra, 2nd edn., 1, 932A.

Filler, R. et al, *J.O.C.*, 1960, 25, 733 (synth, deriv)

3-(Trifluoromethyl)benzyl alcohol
3-(Trifluoromethyl)benzenemethanol, 9CI
[349-75-7]

$C_8H_7F_3O$ M 176.1

Liq. d 1.29. Bp₂ 68°.

Szmant, H.H., *J.A.C.S.*, 1950, 72, 1419 (synth)

Blanco, F.E. et al, *J.O.C.*, 1977, 42, 868 (synth, ir, pmr)

4-(Trifluoromethyl)benzyl alcohol
4-(Trifluoromethyl)benzenemethanol, 9CI
[349-95-1]

$C_8H_7F_3O$ M 176.1

d 1.29. Bp₄ 78-80°.

Hass, H.B. et al, *J.A.C.S.*, 1949, 71, 1767 (synth)

Smith, P.J. et al, *Can. J. Chem.*, 1970, 48, 125 (synth)

Miller, D.J. et al, *J.O.C.*, 1981, 46, 4247 (synth, bibl)

2-(Trifluoromethyl)benzylamine
2-(Trifluoromethyl)benzenemethanamine, 9CI
[3048-01-9]



$C_8H_8F_3N$ M 175.1

Inhibits phenethanolamine N-methyl transferase and aids clot lysis. d 1.25. Bp₆₄ 108-110°. n_D^{25} 1.4673.

Hydrochloride: [2944-97-0].

Mp 286-288°.

Freifelder, M. et al, *J. Pharm. Sci.*, 1965, 54, 1204 (synth)

3-(Trifluoromethyl)benzylamine, 8CI
3-(Trifluoromethyl)benzenemethanamine, 9CI
[2740-83-2]

$C_8H_8F_3N$ M 175.1

Inhibits phenethanolamine *N*-methyl transferase and aids clot lysis. d 1.22. Bp₂₈ 93-97°. n_D^{25} 1.4613.

Hydrochloride: [2944-96-9].

Cryst. (MeOH/Et₂O). Mp 178-180°.

Freifelder, M. *et al*, *J. Pharm. Sci.*, 1965, **54**, 1204 (*synth*)

Meindl, W.R. *et al*, *J. Med. Chem.*, 1984, **27**, 1111 (*synth*)

4-(Trifluoromethyl)benzylamine, 8CI T-1-00201

4-(Trifluoromethyl)benzenemethanamine, 9CI [3300-51-4]

C₈H₈F₃N M 175.1

Inhibits phenethanolamine *N*-Me transferase and aids clot lysis. d 1.23. Bp₅₁ 114-120°, Bp₁₅ 80-82°. n_D^{25} 1.4630.

Hydrochloride: [3047-99-2].

Cryst. (MeOH/Et₂O). Mp 194-198°, Mp 276°.

Freifelder, M. *et al*, *J. Pharm. Sci.*, 1965, **54**, 1204 (*synth*)

Meindl, W.R. *et al*, *J. Med. Chem.*, 1984, **27**, 1111 (*synth*)

1,1,1-Trifluoro-3-methylbutane T-1-00202 [406-49-5]

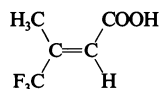


C₅H₉F₃ M 126.1

d₂₅ 0.98. Bp 31°. n_D^{25} 1.3226.

Tarrant, P. *et al*, *J.A.C.S.*, 1954, **76**, 2343 (*synth*)

4,4,4-Trifluoro-3-methyl-2-butenic acid, 9CI T-1-00203



C₅H₅F₃O₂ M 154.0

(*E*)-form [400-28-2]

β-Trifluoromethylcrotonic acid

Low melting cryst. Mp 29.5-31°. Bp 182°, Bp₂₁ 80-81°.

Me ester:

C₆H₇F₃O₂ M 168.1 Liq. d₄²⁰ 1.21. Bp₇₅₃ 112.5-113.5°. n_D^{20} 1.3718.

[93404-33-2]

Walborsky, H.M. *et al*, *J.A.C.S.*, 1955, **77**, 3637 (*synth*)

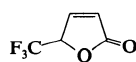
Knunyants, I.L. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1961, 1057; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1961, 977 (*synth*)

Nemoto, H. *et al*, *J.O.C.*, 1995, **60**, 594 (*synth, ir, pmr*)

5-(Trifluoromethyl)-2(5H)-furanone, 9CI T-1-00204

4-Trifluoromethyl-2-buten-4-olide

[2253-15-8]



C₅H₃F₃O₂ M 152.0

(±)-form

d₄²⁰ 1.44. Bp₁₂₋₁₃ 83°, Bp₃₀ 100-105°. n_D^{20} 1.3853.

3,4-Dihydro:

C₈H₈F₃O₂ M 154.0 Liq. d₄²⁰ 1.413. Bp₂₅ 78-79°. n_D^{20} 1.3748.

Groth, R.H., *J.O.C.*, 1959, **24**, 1709 (*synth, props*)

Filler, R. *et al*, *Can. J. Chem.*, 1967, **45**, 1018 (*synth*)

Yoshida, M. *et al*, *J.C.S. Perkin I*, 1993, 501 (*synth, pmr, cmr, ir*)

2-(Trifluoromethyl)-1,1,1,3,3,3-hexafluoropropane, 8CI T-1-00205

Tris(trifluoromethyl)methane [382-24-1]



C₄HF₉ M 220.0

Bp 12-14°.

Knunyants, I.L. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1960, 1693 (*synth*)

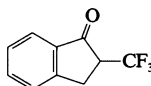
Andreades, S., *J.A.C.S.*, 1964, **86**, 2003 (*synth, ms, ir, F-19 nmr*)

Knunyants, I.L. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1965, **165**, 827 (*synth*)

2-(Trifluoromethyl)-1-indanone T-1-00206

2,3-Dihydro-2-(trifluoromethyl)-1H-inden-1-one, 9CI

[157364-39-1]



C₁₀H₇F₃O M 200.1

(±)-form

Cryst. (hexane). Mp 67.3-67.9°.

Umamoto, T. *et al*, *J.O.C.*, 1994, **59**, 5692

(*synth, pmr, ir, F-19 nmr*)

(3-Trifluoromethylphenyl)phosphonous dichloride T-1-00207

[51907-89-2]



C₇H₄Cl₂F₃P M 246.9

Liq. Bp_{0,07} 42°. n_D^{26} 1.5214.

Schmutzler, R., *J.C.S. Dalton*, 1973, 2687

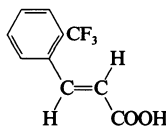
(*synth, F-19 nmr, P-31 nmr*)

Kruczynski, L.J. *et al*, *Can. J. Chem.*, 1990, **68**, 488 (*synth, props*)

3-[2-(Trifluoromethyl)phenyl]-2-propenoic acid, 9CI T-1-00208

2-(Trifluoromethyl)cinnamic acid, 8CI

[2062-25-1]



C₁₀H₇F₃O₂ M 216.1

(*E*)-form [98386-81-3]

Cryst. Mp 205-207°.

Me ester: [157518-53-1].

C₁₁H₉F₃O₂ M 230.1 Oil. Bp_{0,01} 66-68°.

[50620-98-9, 74738-22-0]

Aldrich Library of FT-IR Spectra, 1st edn., **2**, 175D.

Aldrich Library of NMR Spectra, 2nd edn., **2**, 172C.

Filler, R. *et al*, *J. Chem. Eng. Data*, 1964, **9**, 370 (*synth, wv*)

Vallgarda, J. *et al*, *J.C.S. Perkin I*, 1994, 461 (*synth, pmr, cmr, Me ester*)

3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, 9CI T-1-00209

3-(Trifluoromethyl)cinnamic acid, 8CI

[779-89-5]

C₁₀H₇F₃O₂ M 216.1

(*E*)-form [67801-07-4]

Needles. Mp 135.5-136.5°.

Chloride: [64379-91-5].

C₁₀H₇ClF₃O M 234.6 d 1.37. Bp₆₀ 148°. n_D^{20} 1.5440.

Nitrile: [58177-64-3].

C₁₀H₆F₃N M 197.1 Bp₂₇ 140-142°.

(*Z*)-form [16642-87-8]

Cryst. Mp 53.5-54.5°.

[58177-61-0, 60689-14-7, 64380-24-1, 87087-35-2, 93040-58-5, 95728-83-9, 104201-66-3, 107468-09-7, 113048-68-3, 116577-12-9]

Aldrich Library of FT-IR Spectra, 1st edn., **2**, 177C.

Aldrich Library of NMR Spectra, 2nd edn., **2**, 174A.

Filler, R. *et al*, *J. Chem. Eng. Data*, 1964, **9**, 370 (*synth, wv*)

Wittstruck, T.A. *et al*, *J.A.C.S.*, 1967, **89**, 3803 (*synth, pmr*)

Butt, G. *et al*, *Spectrochim. Acta A*, 1982, **38**, 301 (*synth, ir, cmr, nitrile*)

3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, 9CI T-1-00210

4-(Trifluoromethyl)cinnamic acid, 8CI

[2062-26-2]

C₁₀H₇F₃O₂ M 216.1

(*E*)-form [16642-92-5]

Cryst. Mp 229.5-230°.

(*Z*)-form [87212-84-8]

Cryst. Mp 53.0-53.5°.

[20754-22-7, 24654-53-3, 51791-29-8, 57103-25-0, 79947-88-9, 101466-85-7, 101934-50-3, 105919-36-6, 115093-99-7, 120681-07-4, 128408-03-7]

Aldrich Library of FT-IR Spectra, 1st edn., **2**, 179D.

Aldrich Library of NMR Spectra, 2nd edn., **2**, 176B.

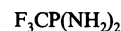
Filler, R. *et al*, *J. Chem. Eng. Data*, 1964, **9**, 370 (*synth, wv*)

Wittstuck, T.A. *et al*, *J.A.C.S.*, 1967, **89**, 3803 (*synth*)

Galamb, V. *et al*, *Tet. Lett.*, 1983, **24**, 2965 (*synth, Z-form*)

P-(Trifluoromethyl)phosphonous diamide, 9CI T-1-00211

Diamino(trifluoromethyl)phosphine



CH₄F₃N₂P M 132.0

N,N,N',N'-Tetra-Me: [3205-96-7].
N,N,N',N'-Tetramethyl-P-(trifluoromethyl)phosphonous diamide
C₅H₁₂F₃N₂P M 188.1 Liq. Bp₇₅ 72°.

N,N,N',N'-Tetra-Et: [53117-00-3].
N,N,N',N'-Tetraethyl-P-(trifluoromethyl)phosphonous diamide
C₉H₂₀F₃N₂P M 244.2 Liq. Bp₁₉ 93°, Bp_{2,2} 63°.

N,N,N',N'-Tetrapropyl: [53117-01-4].
N,N,N',N'-Tetrapropyl-P-(trifluoromethyl)phosphonous diamide
C₁₃H₂₈F₃N₂P M 300.3 Liq. Bp₁ 79°.

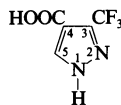
N,N,N',N'-Tetrabutyl: [53117-02-5].
N,N,N',N'-Tetrabutyl-P-(trifluoromethyl)phosphonous diamide
C₁₇H₃₆F₃N₂P M 356.4 Liq. Bp₁ 113°.

Adler, O. *et al*, *J. Organomet. Chem.*, 1974, **72**, 351 (synth, ir, pmr)

Volbach, W. *et al*, *Tet. Lett.*, 1983, **24**, 5509 (synth, cmr, F-19 nmr, P-31 nmr)

Riesel, L. *et al*, *Z. Anorg. Allg. Chem.*, 1994, **620**, 1099 (F-19 nmr, P-31 nmr)

3-Trifluoromethyl-1H-pyrazole-4-carboxylic acid T-1-00212



C₅H₃F₃N₂O₂ M 180.0
Me ester: [61859-96-9].
C₆H₃F₃N₂O₂ M 194.1 Solid (CHCl₃).
Mp 172-173°.
[155377-19-8]

Saunier, Y.H. *et al*, *Tetrahedron*, 1976, **32**, 1995 (Me ester synth, ms, ir, pmr)

Eur. Pat., 588 357, (1994); *CA*, **121**, 9389h (Et ester)

4-Trifluoromethyl-1H-pyrazole-3-carboxylic acid T-1-00213

C₅H₃F₃N₂O₂ M 180.0
Me ester: [128746-88-3].
C₆H₃F₃N₂O₂ M 194.1 Mp 151°.

1H-form

N-Me, Me ester: [128746-87-2]. 3-Carbomethoxy-1-methyl-4-(trifluoromethyl)pyrazole
C₇H₇F₃N₂O₂ M 208.1 Mp 89°.

3H-form

N-Me, Me ester: 5-Carbomethoxy-1-methyl-4-(trifluoromethyl)pyrazole
C₇H₇F₃N₂O₂ M 208.1 No Mp reported.

Tajammal, S. *et al*, *J. Fluorine Chem.*, 1990, **47**, 45 (synth, ir, pmr)

Beagley, B. *et al*, *Acta Cryst. C*, 1994, **50**, 115 (cryst struct, deriv)

5(3)-Trifluoromethyl-1H-pyrazole-3(5)-carboxylic acid T-1-00214

[129768-28-1]
C₅H₃F₃N₂O₂ M 180.0
Me ester: [19968-13-9].
C₆H₃F₃N₂O₂ M 194.1 Mp 134.5-135°.
Et ester: [129768-30-5].

C₇H₇F₃N₂O₂ M 208.1 Characterised spectroscopically.
Fields, R. *et al*, *J.C.S.(C)*, 1968, 1507 (Me ester, synth, pmr)
Japan. Pat., 02 129 171, (1990); *CA*, **113**, 172014a (synth)
Xu, Y. *et al*, *Tet. Lett.*, 1992, **33**, 6161 (Et ester)

Trifluoro(methyl)sulfur T-1-00215

Updated Entry replacing T-0-04974
Methyl sulfur trifluoride
[65082-47-5]



CH₃F₃S M 104.0
C_s symmetry; $t_1 \sim 15\text{m}$ at r.t. Synth. from MeSCl and AgF₂ in CCl₃F. Unstable at r.t.; can be stored in PTFE at 77K. Reacts with glass, H₂O and air. Sol. CCl₃F (10 g per 100 cm³ at -23°). Mp -78° to -74°. Bp 80-100°.

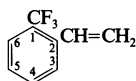
BF₃ complex: see Difluoro(methyl)sulfonium(1+), D-0-05275

Tri-deutero compd.: [133377-53-4].
CD₃F₃S M 107.1 Mp -62°.

Gombler, W. *et al*, *J. Fluorine Chem.*, 1976, **7**, 115.
Downs, A.J. *et al*, *Inorg. Chem.*, 1989, **28**, 3286 (ed)
Downs, A.J. *et al*, *J.C.S. Dalton*, 1991, 81 (synth, F-19 nmr, ir, Raman, reactions, deuterio deriv)

1-(Trifluoromethyl)-2-vinylbenzene T-1-00216

1-Ethenyl-2-(trifluoromethyl)benzene, 9CI. 2-Vinylbenzotrifluoride. 2-(Trifluoromethyl)styrene. α,α,α -Trifluoro-2-vinylnitrobenzene
[395-45-9]



C₉H₇F₃ M 172.1
d 1.17. Bp₄₀ 61°, Bp₁₃ 49.5°. n_D^{20} 1.47.
Conciatori, A.B. *et al*, *J.A.C.S.*, 1950, **72**, 2283 (synth)
Brown, H.C. *et al*, *J.A.C.S.*, 1966, **88**, 5851.
Mesnard, D. *et al*, *J. Chem. Res., Synop.*, 1981, 270 (synth)

1-(Trifluoromethyl)-3-vinylbenzene T-1-00217

1-Ethenyl-3-(trifluoromethyl)benzene, 9CI. 3-(Trifluoromethyl)styrene. α,α,α -Trifluoro-3-vinylnitrobenzene. 3-Vinylbenzotrifluoride
[402-24-4]

C₉H₇F₃ M 172.1
d 1.16. Bp₂₃ 61-62°.
Conciatori, A.B. *et al*, *J.A.C.S.*, 1950, **72**, 2283 (synth)
Brown, H.C. *et al*, *J.A.C.S.*, 1966, **88**, 5851 (synth)
Trost, B.M. *et al*, *J.A.C.S.*, 1973, **95**, 5288 (synth, ir, pmr)
Mesnard, D. *et al*, *J. Chem. Res., Synop.*, 1981, 270 (synth)
Happer, D.A.R., *J.C.S. Perkin 2*, 1984, 1673 (cmr)

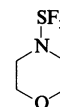
1-(Trifluoromethyl)-4-vinylbenzene T-1-00218

1-Ethenyl-4-(trifluoromethyl)benzene, 9CI. 4-(Trifluoromethyl)styrene. α,α,α -Trifluoro-4-vinylnitrobenzene. 4-Vinylbenzotrifluoride
[402-50-6]

C₉H₇F₃ M 172.1
d 1.16. Bp₂₇ 69°, Bp₁₄ 38°.
[97552-17-5, 97552-18-6]
Conciatori, A.B. *et al*, *J.A.C.S.*, 1950, **72**, 2283 (synth)
Brown, H.C. *et al*, *J.A.C.S.*, 1966, **88**, 5851.
Hamer, G.K. *et al*, *Can. J. Chem.*, 1973, **51**, 897 (pmr, cmr)
Mesnard, D. *et al*, *J. Chem. Res., Synop.*, 1981, 270 (synth)
Happer, D.A.R., *J.C.S. Perkin 2*, 1984, 1673 (cmr)
Abdel-Baky, S. *et al*, *Synth. Commun.*, 1988, **18**, 1795 (synth)

Trifluoro(morpholinato-N⁴)sulfur, 9CI T-1-00219

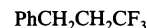
Morpholinisulfur trifluoride. Morph-DAST
[51010-74-3]



C₄H₈F₃NOS M 175.1
Fluorinating agent. Liq. d 1.44. Bp_{0,5} 41-42°. n_D^{20} 1.4545.
Markovskii, L.N. *et al*, *Synthesis*, 1973, 787 (synth, use)

1,1,1-Trifluoro-3-phenylpropane T-1-00220

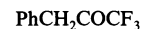
(3,3,3-Trifluoropropyl)benzene, 9CI
[1579-80-2]



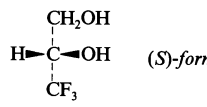
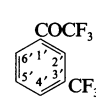
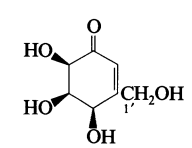
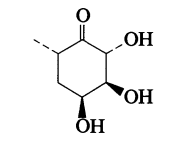
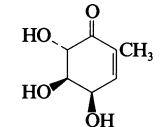
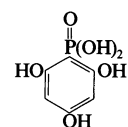
C₉H₈F₃ M 174.1
Bp 155-157°.
Takusari, H. *et al*, *Chem. Lett.*, 1984, 885.
Kobayashi, Y. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 4382.

1,1,1-Trifluoro-3-phenyl-2-propanone T-1-00221

Benzyl trifluoromethyl ketone
[350-92-5]



C₉H₇F₃O M 188.1
Liq. Bp₁₅ 72-75°. n_D^{25} 1.4432.
Oxime:
C₉H₈F₃NO M 203.1 Mp 40-42°. Bp₃ 91-92°.
Semicarbazone: Needles (MeOH aq.). Mp 129-130°.
[125774-47-2, 125774-52-9]
Nes, W.R. *et al*, *J.A.C.S.*, 1950, **72**, 5409 (synth, derivs)
Begue, J.P. *et al*, *J. Fluorine Chem.*, 1988, **39**, 271 (synth)
Quinze, K. *et al*, *J. Fluorine Chem.*, 1989, **44**, 211 (bibl, synth, ir, pmr, cmr)

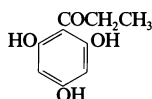
- 3,3,3-Trifluoro-2-phenylpropene** **T-1-00222**
 [1-(Trifluoromethyl)ethenyl]benzene, 9CI. α -(Trifluoromethyl)styrene
 [384-64-5]
 $\text{H}_2\text{C}=\text{CPhCF}_3$
 $\text{C}_9\text{H}_7\text{F}_3$ M 172.1
 Oil. d_4^{25} 1.17. Bp 148-148.5°. n_D^{25} 1.4603.
 Tarrant, P. et al, *J.O.C.*, 1959, **24**, 238 (synth)
- 3,3,3-Trifluoro-1,2-propanediol** **T-1-00223**
 [431-39-0]

 $\text{C}_3\text{H}_5\text{F}_3\text{O}_2$ M 130.0
 (S)-form [148683-14-1]
 Liq. Bp₂₅ 100° (Kugelrohr). $[\alpha]_D^{24}$ -10.95 (c, 1.4 in MeOH) (96% ee).
 1-Et ether: [160595-65-3]. 1-Ethoxy-2,2,2-trifluoroethanol
 $\text{C}_8\text{H}_6\text{F}_3\text{O}_2$ M 158.1 Liq. Bp₄₀ 100° (Kugelrohr). $[\alpha]_D^{22}$ -11.20 (c, 1.4 in MeOH).
 (±)-form
 Viscous liq. with tendency to supercool. d_{20}^{20} 1.151. Mp 25.3°. Bp₂₆ 88.6°, Bp₁₀ 69.5-70.1°. n_D^{20} 1.3617.
 α -Naphthylurethane: Cryst. solid. Mp 198-199°.
 McBee, E.T. et al, *J.A.C.S.*, 1952, **74**, 3022 (synth)
 Ramachandran, P.V. et al, *J.O.C.*, 1995, **60**, 41 (synth, ir, pmr, cmr, F-19 nmr)
- 2,2,2-Trifluoro-3'-(trifluoromethyl)acetophenone** **T-1-00224**
 2,2,2-Trifluoro-1-[3-(trifluoromethyl)phenyl]ethanone, 9CI. 1-(Trifluoroacetyl)-3-(trifluoromethyl)benzene
 [721-37-9]

 $\text{C}_9\text{H}_4\text{F}_6\text{O}$ M 242.1
 Liq. d 1.42. Bp₂₄ 65-67°.
 Fuchs, R. et al, *J.O.C.*, 1957, **22**, 993 (synth)
 Liu, K.T. et al, *J. Phys. Org. Chem.*, 1989, **2**, 363 (synth, O-17 pmr)
- 2,2,2-Trifluoro-4'-(trifluoromethyl)acetophenone** **T-1-00225**
 2,2,2-Trifluoro-1-[4-(trifluoromethyl)phenyl]ethanone, 9CI. 1-(Trifluoroacetyl)-4-(trifluoromethyl)benzene
 [74853-66-0]
 $\text{C}_9\text{H}_4\text{F}_6\text{O}$ M 242.1
 Liq. Bp₁₅ 63-65°.
 Creary, X., *J.O.C.*, 1987, **52**, 5026 (synth, ir, pmr)
 Liu, K.T. et al, *J. Phys. Org. Chem.*, 1989, **2**, 363 (synth, O-17 nmr)
- Trifluoro(trifluoromethyl)sulfur** **T-1-00226**
 Updated Entry replacing T-0-05049
 Trifluoromethylsulfur trifluoride
 [374-10-7]
 F_3CSF_3
 CF_6S M 158.0
 Interatomic distances: S—F_{eq} 156.5, S—F_{ax} 165.5, S—C 188.7 pm; angles: F_{eq}SF_{ax} 86.1°, CSF_{ax} 86.5°, F_{eq}SC 98.4°. Synth. from CS₂ or CF₃SSCF₃ + AgF₂ at -50°. Colourless gas. Bp -7°.
 Tyczkowski, E.A. et al, *J.A.C.S.*, 1953, **75**, 3523.
 Sheppard, W.A., *J.A.C.S.*, 1962, **84**, 3058 (synth, reactions)
 Lawless, E.W. et al, *Inorg. Chem.*, 1968, **7**, 391 (synth, F-19 nmr, ir)
 Minkwitz, R. et al, *J. Fluorine Chem.*, 1987, **37**, 397 (reactions)
 Minkwitz, R. et al, *Inorg. Chem.*, 1992, **31**, 2104 (ed)
- 4,5,6-Trihydroxy-3-(hydroxymethyl)-2-cyclohexen-1-one** **T-1-00227**

 $\text{C}_7\text{H}_{10}\text{O}_5$ M 174.1
 (4R*,5R*,6R*)-form [148154-54-5] *Gabosine J*
 Prod. by *Streptomyces kurssanovii*.
 (4R*,5S*,6R*)-form [148099-41-6] *Gabosine I*
 Prod. by *S. kurssanovii*. Mp 128-129°. $[\alpha]_D^{20}$ -61.4 (c, 1 in MeOH).
 I'-O-Ac: [127545-54-4]. *Gabosine G*
 $\text{C}_9\text{H}_{12}\text{O}_6$ M 216.1 Prod. by *S. chromofuscus*.
 I'-Deoxy: [127545-55-5]. 4,5,6-Trihydroxy-3-methyl-2-cyclohexen-1-one. *Gabosine H*
 $\text{C}_7\text{H}_{10}\text{O}_4$ M 158.1 Prod. by *S. chromofuscus*. Cryst. Mp 123°. $[\alpha]_D^{20}$ -68.3 (c, 0.58 in MeOH).
 Bach, G. et al, *Annalen*, 1993, **241** (isol, pmr, cmr)
- 2,3,4-Trihydroxy-6-methylcyclohexanone** **T-1-00228**

 $\text{C}_7\text{H}_{12}\text{O}_4$ M 160.1
 (2R,3S,4S,6S)-form [127707-32-8] *Gabosine F*
 Prod. by *Streptomyces cellulosa* subsp. *griseorubiginosus*. Mp 82-85°. $[\alpha]_D^{20}$ +94 (c, 1 in MeOH).
 (2S,3R,4R,6R)-form [106750-01-0] *Gabosine B*
 Prod. by *S. cellulosa* subsp. *griseorubiginosus*. Mp 88°. $[\alpha]_D^{20}$ -106 (c, 0.45 in MeOH).
 Mueller, A. et al, *Helv. Chim. Acta*, 1986, **69**, 1829 (synth)
 Bach, G. et al, *Annalen*, 1993, **24**, 1 (isol, pmr, cmr)
- 4,5,6-Trihydroxy-2-methyl-2-cyclohexen-1-one** **T-1-00229**

 $\text{C}_7\text{H}_{10}\text{O}_4$ M 158.1
 (4R,5R,6S)-form [127545-53-3] *Gabosine A*
 Prod. by *Streptomyces cellulosa* subsp. *griseorubiginosus*. Cryst. $[\alpha]_D^{20}$ -132 (c, 1 in MeOH).
 Bach, G. et al, *Annalen*, 1993, **241** (isol, pmr, cmr)
- 4,5,7-Trihydroxy-2-naphthalenecarboxylic acid** **T-1-00230**
 $\text{C}_{11}\text{H}_8\text{O}_5$ M 220.1
 5,7-Di-Me ether: [77729-57-8]. 4-Hydroxy-5,7-dimethoxy-2-naphthalenecarboxylic acid
 $\text{C}_{13}\text{H}_{12}\text{O}_5$ M 248.2 Prisms (EtOH). Mp 245-247°.
 5,7-Di-Me ether, Me ester: [78395-68-3].
 $\text{C}_{14}\text{H}_{14}\text{O}_5$ M 262.2 Needles (EtOH). Mp 160-161° (149-151°).
 5,7-Di-Me ether, 4-Ac, Me ester: [77729-56-7].
 $\text{C}_{16}\text{H}_{16}\text{O}_6$ M 304.2 Needles (EtOH or MeOH). Mp 153-154°.
 Tri-Me ether, Me ester: [74694-98-7].
 $\text{C}_{15}\text{H}_{16}\text{O}_5$ M 276.2 Prisms (EtOH). Mp 145-146°.
 Cameron, D.W. et al, *Aust. J. Chem.*, 1980, **33**, 2531 (5,7-di-Me ether, tri-Me ether)
 Liu, J. et al, *Synthesis*, 1995, 914 (5,7-di-Me ether)
- (2,4,6-Trihydroxyphenyl)phosphonic acid** **T-1-00231**

 $\text{C}_6\text{H}_7\text{O}_6\text{P}$ M 206.0
 2,4-Di-Me ether: [136829-82-8]. (2-Hydroxy-4,6-dimethoxyphenyl)phosphonic acid
 $\text{C}_8\text{H}_{11}\text{O}_6\text{P}$ M 234.1 Solid. Mp 128-129°.
 2,4-Di-Me ether, Et ester: [80615-42-5].
 Diethyl (2-hydroxy-4,6-dimethoxyphenyl)phosphonate
 $\text{C}_{10}\text{H}_{15}\text{O}_6\text{P}$ M 262.1 Liq. Bp_{0.05} 137-141°.
 2,4-Di-Me ether, di-tert-butyl ester: [136829-80-6]. Bis(1,1-dimethylethyl) (2-hydroxy-4,6-dimethoxyphenyl)phosphonate
 $\text{C}_{16}\text{H}_{27}\text{O}_6\text{P}$ M 346.3 Cryst. (CH₂Cl₂/petrol). Mp 115-116°.
 2,4-Di-Me ether, bis(dimethylamide): P-(2-Hydroxy-4,6-dimethoxyphenyl)-N,N,N',N'-tetramethylphosphonic diamide
 $\text{C}_{12}\text{H}_{21}\text{N}_2\text{O}_6\text{P}$ M 288.2 Cryst. (Et₂O/hexane). Mp 89-91°.
 Melvin, L.S., *Tet. Lett.*, 1981, **22**, 3375.
 Watanabe, M. et al, *Chem. Pharm. Bull.*, 1990, **38**, 2637 (amide, synth, ir, uv, pmr)

Dhawan, B. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1991, **61**, 183 (*synth, ester, pmr, cmr, P-31 nmr*)

1-(2,4,6-Trihydroxyphenyl)-1-propanone, 9CI

2',4',6'-Trihydroxypropiophenone.

Flopropione, INN. *Phloropropiophenone*. *Fluoropropiophenone*. *Compacsul*. *Cospanon*. *Ecapron*. *Pellegal*. *Argobyl*. *Floveton*. *Saritron*. *Spamolin*. *Labrodax*. *Tryalon*. *Mirulevatin*. *Padeskin*. *Profenon†* [2295-58-1]



$C_9H_{10}O_4$ M 182.1

Constit. of *Inula viscosa*. 5-HT_{1A} receptor antagonist, spasmolytic agent. Needles + 1H₂O (H₂O). Sl. sol. H₂O. Mp 175-176°.

▶ LD₅₀ (rat, orl) 2380 mg/kg. LD₅₀ (rat, ivn) 246 mg/kg. UH4429100.

Howells, H.P. *et al*, *J.A.C.S.*, 1932, **54**, 2451 (*synth*)

Populaire, P. *et al*, *Therapie*, 1968, **23**, 91 (*metab*)

Inoue, S., *Jpn. J. Pharmacol.*, 1969, **19**, 224 (*pharmacol*)

Mizobuchi, S. *et al*, *Agric. Biol. Chem.*, 1985, **49**, 719 (*synth*)

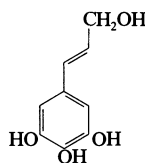
Bolte, M.L. *et al*, *Agric. Biol. Chem.*, 1985, **49**, 761 (*synth*)

Grande, M. *et al*, *Planta Med.*, 1985, 414 (*isol*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, London, 1993, 1371.

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, Berlin, 1994, 1432 (*synonyms*)

3-(3,4,5-Trihydroxyphenyl)-2-propen-1-ol

3',4',5'-Trihydroxycinnamyl alcohol



$C_9H_{10}O_4$ M 182.1

(*E*)-form

Mp 167°. Probable (*E*)-config. assumed here.

3',4',5'-Tri-Me ether: [30273-62-2]. 3',4',5'-Trimethoxycinnamyl alcohol

$C_{12}H_{16}O_4$ M 224.2 Constit. of *Myristica fragrans* and other plant spp. including *Asia sarum* sp. *Cineraria fruticulorum* and *Uvariadendron connivens*. Mp 110°. Bp_{0.15} 145-147°.

3',4',5'-Tri-Me ether, Ac: [87200-84-8].

$C_{14}H_{18}O_5$ M 266.2 Constit. of oil of bergamot (*Citrus bergamia*). Oil.

3-Me, 4,5-methylene ether: [69618-94-6]. 3-(3-Methoxy-4,5-methylenedioxyphenyl)-2-propen-1-ol. 3'-Methoxy-4',5'-methylenedioxcinnamyl alcohol

$C_{11}H_{12}O_4$ M 208.2 Constit. of *M. fragrans*. Needles (EtOAc/hexane). Mp 72-73°.

3',4',5'-Tri-Me ether, O-(3-methylbutanoyl): [105072-20-6]. 3,4,5-Trimethoxycinnamyl isovalerate

$C_{17}H_{24}O_5$ M 308.3 Constit. of the leaves of *Juniperus thurifera*. Oil.

3',4',5'-Tri-Me ether, 1-O-β-D-glucopyranoside: [135743-09-8]. **Icariside H₁**

$C_{18}H_{26}O_9$ M 386.3 Constit. of *Epimedium sagittatum*. Amorph. powder. [α]_D²⁵ -47.6 (c, 0.62 in MeOH).

(*Z*)-form

3',4',5'-Tri-Me ether: [30273-66-6].

Pale yellow oil. Bp_{0.25} 138-140°.

[1504-56-9, 30273-66-6, 97094-25-2]

Freundenberg, K. *et al*, *Chem. Ber.*, 1953, **86**, 190; 1955, **88**, 16 (*synth*)

Cooper, P.D. *et al*, *Can. J. Chem.*, 1970, **48**, 3882 (*synth*)

Kato, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 1516 (*deriv, synth*)

Ehret, C. *et al*, *Phytochemistry*, 1982, **21**, 2984 (*isol, deriv, Ac*)

Mohammed, I. *et al*, *J. Nat. Prod.*, 1985, **48**, 328 (*isol, pmr, cmr*)

San Feliciano, A. *et al*, *J. Nat. Prod.*, 1986, **49**, 677 (*isol, deriv*)

Ponpipom, M.M. *et al*, *J. Med. Chem.*, 1987, **30**, 136 (*synth*)

Hattori, M. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 648 (*isol*)

Matsushita, H. *et al*, *Phytochemistry*, 1991, **30**, 2025 (*Icariside H₁*)

Triiodoethene, 9CI

T-1-00234

Triiodoethylene

[10065-29-9]



C_2HI_3 M 405.7

Yellow oil.

Krikorian, S.E. *et al*, *J.O.C.*, 1994, **59**, 3742

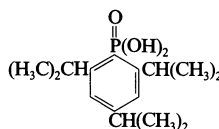
(*synth, ir, pmr, ms*)

(2,4,6-Triisopropylphenyl)

T-1-00235

phosphonic acid, 8CI

[2,4,6-Tris(1-methylethyl)phenyl]phosphonic acid, 9CI



$C_{15}H_{25}O_3P$ M 284.3

Dichloride: [114070-56-3].

$C_{15}H_{23}Cl_2OP$ M 321.2 Solid. V. sp. sol. in petrol. Mp 108-112°.

Freeman, S. *et al*, *J.C.S. Perkin 1*, 1987, 1399 (*synth, ir, pmr, P-31 nmr*)

Trimethylarsine, 9CI

T-1-00236

Arsenic trimethyl. Gosio gas

[593-88-4]



C_3H_9As M 120.0

Metab. prod. from microbial action on many arsenicals. Found in v. low levels in some species of deep-sea crustaceans. Ligand for most heavy metals. Liq. with unpleasant penetrating odour. Mp 55°.

Complexes readily with BH₃ and B trihalides; also with As, and Sb halides, (inorganic and organic). Absorbs O₂ from air → Trimethylarsine oxide, T-0-05474.

▶ Highly toxic. Spontaneously flammable in air. CH8800000.

Oxide: see *Trimethylarsine oxide*, T-0-05474
Sulfide: see *Trimethylarsine sulfide*, T-0-05476
Selenide: see *Trimethylarsine selenide*, T-0-05475

Chlorine complex (1:1): see

Dichlorotrimethylarsorane, D-0-04560

Bromine complex (1:1): see

Dibromotrimethylarsorane, D-0-02902

BBr₃ complex (1:1): [52827-82-4].

$C_3H_9AsBBr_3$ M 370.5 Solid. Mp 245°.

BI₃ complex (1:1): [55042-21-2].

$C_3H_9AsBI_3$ M 511.5 Solid. Mp 274-275°. Slowly dec. in CHCl₃ → Me₃AsI[⊖].

AsI₃ complex (1:1): [26459-38-1].

$C_3H_9As_2I_3$ M 575.6 Solid. Mp 140-144° dec.

Summers, J.C. *et al*, *Inorg. Chem.*, 1970, **9**, 862 (*complexes*)

Svergun, V.I. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1970, 482; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1970, 442 (*nqr*)

Kostyanovskii, R.G. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 1183 (*ms*)

Fournier, L. *et al*, *Synth. React. Inorg. Met.-Org. Chem.*, 1972, **2**, 53 (*synth*)

Dewar, M.I.S. *et al*, *J.C.S. Dalton*, 1973, 2381 (*As-75 nmr*)

Durig, J.R. *et al*, *Inorg. Chem.*, 1974, **13**, 2306 (*ir, Raman, microwave, BH₃ complex*)

Durand, M. *et al*, *J. Chim. Phys. Phys.-Chim. Biol.*, 1974, **71**, 847 (*pmr*)

Denniston, M.L. *et al*, *J. Inorg. Nucl. Chem.*, 1974, **36**, 2175 (*B complexes, pmr, B-11 nmr*)

Elbel, S. *et al*, *J.C.S. Faraday 2*, 1974, **70**, 555 (*pe*)

Baliman, G. *et al*, *Helv. Chim. Acta*, 1975, **58**, 1913 (*cmr*)

Mente, D.C. *et al*, *Inorg. Chem.*, 1975, **14**, 1862 (*B complexes, ir, Raman, ms*)

Efremov, E.A. *et al*, *Zh. Fiz. Khim.*, 1975, **49**, 1844; *CA*, **83**, 183571.

Rojhantalab, H. *et al*, *Spectrochim. Acta A*, 1976, **32**, 947 (*ir, Raman*)

Beagley, B. *et al*, *J. Mol. Struct.*, 1977, **38**, 229 (*struct*)

Durand, M. *et al*, *J.C.S. Dalton*, 1977, **37**, 57 (*B complexes, pmr, B-11 nmr*)

Apel, J. *et al*, *Z. Anorg. Allg. Chem.*, 1979, **453**, 28 (*nmr*)

Gushikem, Y. *et al*, *J.C.S. Dalton*, 1980, 2016 (*B complexes, ir, Raman*)

McKean, D.C. *et al*, *Spectrochim. Acta A*, 1982, **38**, 113 (*ir*)

Blom, R. *et al*, *Acta Chem. Scand., Ser. A*, 1983, **37**, 595 (*ed, struct*)

Gleiter, R. *et al*, *Chem. Ber.*, 1983, **116**, 3745 (*pe*)

Whitfield, F.B. *et al*, *Chem. Ind. (London)*, 1983, 786 (*isol*)

Edmonds, J.S. *et al*, *J.C.S. Perkin 1*, 1983, 2375 (*pmr, cmr*)

Chadha, R.K. *et al*, *J. Crystallogr. Spectrosc. Res.*, 1985, **15**, 53 (*B complexes, cryst struct*)

Chehaybar, J.M. *et al*, *Inorg. Chim. Acta*, 1986, **112**, 209 (*B complexes, pmr, B-11 nmr*)

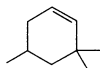
Fischer, M. *et al*, *Chemtronics*, 1988, **3**, 156 (*uw*)

Organomet. Synth., 1988, **4**, 582 (*synth*)

Ismail, K. *et al*, *Pertanika J. Trop. Agric. Sci.*, 1988, **11**, 437 (*synth*)

Watkins, C.L. *et al*, *Magn. Reson. Chem.*, 1989, **27**, 616 (*pmr, cmr*)
 Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TLH150.
 Bretherick, L., *Handbook of Reactive Chemical Hazards*, 4th edn., Butterworth, London and Boston, 1990, 396.

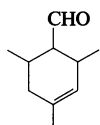
3,3,5-Trimethylcyclohexene, **T-1-00237**
9CI, 8CI
 [503-45-7]



C_9H_{16} M 124.2
 (±)-*form*
 Mp –85.4°. Bp 131.5°.

Trachtenberg, E.N. *et al*, *J.O.C.*, 1970, **35**, 1653 (*synth, ir*)
 Barillier, D. *et al*, *Tetrahedron*, 1983, **39**, 767 (*cmr*)

2,4,6-Trimethyl-3-cyclohexene-1-carboxaldehyde **T-1-00238**
2,4,6-Trimethyl-Δ³-tetrahydrobenzaldehyde.
Isocyclocitral
 [1335-66-6]

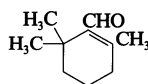


$C_{10}H_{16}O$ M 152.2
 Used in perfumery. d 0.92. Bp₁₆ 85-90°.
 Mixt. of stereoisomers.

Semicarbazone: Mp 182-183°.
 [1423-46-7]

Diels, O. *et al*, *Annalen*, 1929, **470**, 62 (*synth*)
 Dupont, G. *et al*, *Bull. Soc. Chim. Fr.*, 1939, **6**, 1208 (*synth*)
 Nazarov, I.N. *et al*, *Zh. Obshch. Khim.*, 1958, **28**, 3061; *CA*, **53**, 10069h (*synth*)

2,6,6-Trimethyl-1-cyclohexene-1-carboxaldehyde, **9CI, 8CI**
β-Cyclocitral
 [432-25-7]

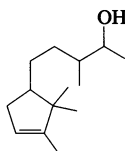


$C_{10}H_{16}O$ M 152.2
 Bp₂₅ 105°, Bp₁₅ 94-97°.

2,4-Dinitrophenylhydrazone: [14186-18-6].
 Mp 172°.

Bohlmann, F. *et al*, *Org. Magn. Reson.*, 1975, **7**, 426.
 Das, P.K. *et al*, *J. Phys. Chem.*, 1978, **82**, 2081 (*w*)
 Cainelli, G. *et al*, *J.C.S. Perkin I*, 1979, 1597 (*synth, ir, pmr*)
 Jalali-Naini, M. *et al*, *Tetrahedron*, 1983, **39**, 749 (*synth, ir, pmr*)

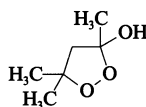
5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methyl-2-pentanol **T-1-00240**
 $\alpha,\beta,2,2,3$ -Pentamethyl-3-cyclopentene-1-butanol, **9CI**. *Sandalone*
 [65113-99-7]



$C_{14}H_{26}O$ M 210.3
 Used in perfumery. Liq. with sweet, woody sandalwood type odour. d 0.90.

Swiss Pat., 629 462, (1982); *CA*, **97**, 198415h.
Swiss Pat., 629, 461, (1982); *CA*, **97**, 198416j.

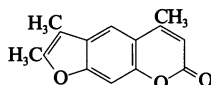
3,5,5-Trimethyl-1,2-dioxolan-3-ol, **8CI** **T-1-00241**
Diolan
 [27779-47-1]



$C_6H_{12}O_3$ M 132.1
 [19789-15-2]

Gibson, D.H. *et al*, *Tet. Lett.*, 1969, 2203 (*synth, pmr*)

2,3,5-Trimethyl-7H-furo[3,2-g][1]benzopyran-7-one **T-1-00242**
 [13008-11-2]



$C_{14}H_{12}O_3$ M 228.2
 Mp 189°.

Royer, R. *et al*, *Bull. Soc. Chim. Fr.*, 1966, 1716 (*synth*)
 Adam, W. *et al*, *Annalen*, 1990, 1227 (*cmr, pmr*)

1,2,3-Trimethyl-4-nitrosobenzene **T-1-00243**
4-Nitrosolemimellitene
 [158815-54-4]



$C_9H_{11}NO$ M 149.1
 Cryst. (MeOH). Mp 79-80°.

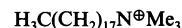
Bosch, E. *et al*, *J.O.C.*, 1994, **59**, 5573 (*synth, ir, pmr, cmr*)

1,2,4-Trimethyl-5-nitrosobenzene, **9CI** **T-1-00244**
5-Nitrosopseudocumene
 [158815-55-5]

$C_9H_{11}NO$ M 149.1
 Green cryst. (CH₂Cl₂), cryst. (MeOH). Mp 43-44° (from CH₂Cl₂), Mp 62-63° (from MeOH).

Bamberger, E., *Ber.*, 1910, **43**, 1842.
 Bosch, E. *et al*, *J.O.C.*, 1994, **59**, 5573 (*synth, ir, pmr, cmr*)

Trimethyloctadecylammonium(1 +), 8CI **T-1-00245**
N,N,N-Trimethyloctadecanaminium, **9CI**
 [15461-40-2]



$C_{21}H_{46}N^{\oplus}$ M 312.6 (ion)

Chloride: [112-03-8].

Trimethyloctadecylammonium chloride.

Boraquat P30

$C_{21}H_{46}ClN$ M 348.0 Surfactant.
 Used. in cosmetics. Cryst. Mp 220° dec.

Bromide: [1120-02-1].

$C_{21}H_{46}BrN$ M 392.5 Cryst. (EtOH).
 Mp 250° dec.

Iodide: [4292-25-5].

$C_{21}H_{46}IN$ M 439.5 Cryst. Mp 227-230°.

Baltzly, R. *et al*, *J.A.C.S.*, 1942, **64**, 2514 (*iodide*)

Shelton, R.S. *et al*, *J.A.C.S.*, 1946, **68**, 753 (*bromide*)

Celia, J.A. *et al*, *J.A.C.S.*, 1952, **74**, 2061 (*chloride*)

Sprintschnik, G. *et al*, *J.A.C.S.*, 1977, **99**, 4947 (*bromide*)

Isa, K. *et al*, *Org. Mass Spectrom.*, 1983, **18**, 229 (*ms*)

N,N,N-Trimethyl-2-oxoethaniminium(1 +), 9CI **T-1-00246**
(Formylmethyl)trimethylammonium, **8CI**.
(Trimethylammonio)acetaldehyde. *Betaine aldehyde*
 [7418-61-3]



$C_5H_{12}NO^{\oplus}$ M 102.1 (ion)
 Choline metabolite.

Chloride: [92397-80-3].

$C_5H_{12}ClNO$ M 137.6 Cryst. + H₂O.
 Mp 142-144° (123-124°).

Tetrachloroaurate: Cryst. (HCl). Mp 215-217°.

2,4-Dinitrophenylhydrazone, *picrate*, *chloride*:
 Yellow cryst. Mp 181-183°.

Di-Et acetal, bromide:

$C_9H_{22}BrNO_2$ M 256.1 Cryst.
 (EtOH/Et₂O). Mp 150-152°.

Mann, P.J.G. *et al*, *Biochem. J.*, 1937, **31**, 869 (*aurate*)

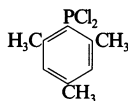
Bergel, F. *et al*, *J.C.S.*, 1950, 1439 (*bromide*)
 Jellinek, M. *et al*, *J. Biol. Chem.*, 1959, **234**, 1171 (*chloride*)

Gorham, J. *et al*, *J. Chromatogr.*, 1985, **350**, 245 (*hplc*)

Tokmakjian, S.D. *et al*, *Biochem. Int.*, 1989, **18**, 751 (*occur*)

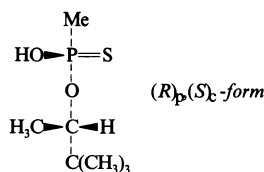
Fortier, G. *et al*, *Anal. Lett.*, 1990, **23**, 1607 (*anal*)

(2,4,6-Trimethylphenyl) phosphonous dichloride, 9CI T-1-00247
Mesitylphosphonous dichloride, 8CI. Dichloromesitylphosphine
 [6781-96-0]



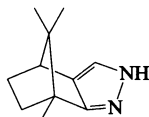
$C_9H_{11}Cl_2P$ M 221.0
 Liq. which slowly cryst. Bp₂ 145-150°. Goldwhite, H. *et al.*, *J. Organomet. Chem.*, 1986, **310**, 21 (*synth*, P-31 nmr)
 Bentrude, W.S. *et al.*, *J.A.C.S.*, 1988, **110**, 7119 (*synth*, P-31 nmr)
 Goede, S.J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1994, **113**, 278 (P-31 nmr)

O-(1,2,2-Trimethylpropyl) methylphosphonothioate T-1-00248
O-Pinacolyl methylphosphonothioate



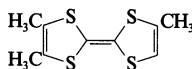
$C_7H_{17}O_2PS$ M 196.2
 (R)*p*(S)*c*-form
 (R)-1-Phenylethylamine salt: Cryst. [α]_D +13.8 (c, 1.2 in MeOH).
 (S)*p*(S)*c*-form
 (S)-1-Phenylethylamine salt: Cryst. [α]_D -4.2 (c, 0.8 in MeOH).
 [103730-70-7, 103773-68-8, 116498-76-1, 116498-78-3]
 Hall, C.R. *et al.*, *Tetrahedron*, 1985, **41**, 4909 (*synth*, *resoln*, *pmr*, P-31 nmr)
 Fentiman, A.F., *CA*, 1988, **109**, 149622.

7,8,8-Trimethyl-4,5,6,7-tetrahydro-4,7-methano-1(2H)-indazole, 9CI T-1-00249
Campho[2,3-c]pyrazole



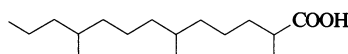
$C_{11}H_{16}N_2$ M 176.2
 (+)-form [65529-87-5]
 Readily prepd. from camphor. Used in chiral homogeneous catalysis. Cryst. (petrol). Mp 153-155° (144-145°). [α]_D²⁵ +42.7 (c, 0.234 in EtOH), [α]_D²⁵ +33.2 (c, 1 in CHCl₃).
 [56655-93-7, 72345-25-6, 147383-60-6]
 Nagai, S. *et al.*, *Chem. Pharm. Bull.*, 1979, **27**, 1771 (*synth*, *pmr*)
 Brunner, H. *et al.*, *Chem. Ber.*, 1992, **125**, 701 (*synth*, *ir*, *pmr*, *ms*)
 Llamas-Saiz, A.L. *et al.*, *Acta Cryst. C*, 1993, **49**, 724 (*cryst struct*, *cmr*, *bibl*)
 Le Cloux, D.D. *et al.*, *Organometallics*, 1994, **13**, 2855 (*synth*)

Trimethyltetraathiafulvalene T-1-00250
4,5-Dimethyl-2-(4-methyl-1,3-dithiol-2-ylidene)-1,3-dithiole, 9CI. Trimethyl-1,3-dithiol-2-ylidene
 [49868-52-2]



$C_9H_{10}S_4$ M 246.4
 Forms radical cation salts of high conductivity. Orange needles (MeCN). Mp 110° (103-104°).
 Mora, H. *et al.*, *Bull. Soc. Chim. Belg.*, 1992, **101**, 137 (*synth*, *pmr*)
 Dolbecq, A. *et al.*, *Chem. Mater.*, 1994, **6**, 1413 (*synth*, *pmr*)
 Moore, A.J. *et al.*, *Synthesis*, 1995, 675 (*synth*, *pmr*, *uv*)

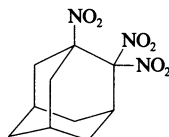
2,6,10-Trimethyltridecanoic acid T-1-00251



$C_{16}H_{32}O_2$ M 256.4
Me ester: [155450-29-6].
 $C_{17}H_{34}O_2$ M 270.4 Major component of the pheromone prod. by the male stink bugs *Euschistus heros* and *E. obscurus*. Oil. All 8 stereoisomers have been synth. but stereochem. of nat. prod. not yet determined (1994).

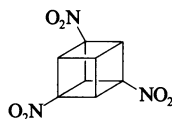
[161905-42-6, 161905-43-7, 161905-44-8, 161905-45-9, 161905-46-0, 161905-47-1, 161905-48-2, 161905-49-3, 161905-50-6, 161905-51-7, 161905-52-8, 161905-53-9, 161905-54-0, 161905-55-1, 161905-56-2, 161905-57-3]
 Mori, K. *et al.*, *Annalen*, 1994, 637, 1153 (*synth*, *pmr*, *cmr*)

1,2,2-Trinitroadamantane T-1-00252
1,2,2-Trinitrotricyclo[3.3.1.1^{3,7}]decane, 9CI
 [162710-74-9]



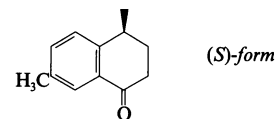
$C_{10}H_{13}N_3O_6$ M 271.2
 Cryst. (Me₂CO/hexane). Mp 248-249°. Dave, P.R. *et al.*, *J.O.C.*, 1995, **60**, 1895 (*synth*, *ir*, *pmr*, *cmr*)

1,3,5-Trinitrocubane T-1-00253
1,3,5-Trinitropentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]octane, 9CI
 [99393-49-4]



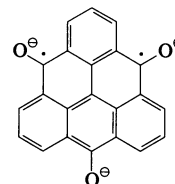
$C_8H_5N_3O_6$ M 239.1
 Solid. Mp 250° dec.
 ► Potentially explosive.
 Eaton, P.E. *et al.*, *J.A.C.S.*, 1993, **115**, 10195 (*synth*, *pmr*, *cmr*, *ir*, *cryst struct*, *haz*)

11,12,13-Trinor-7-calamenone T-1-00254
3,4-Dihydro-4,7-dimethyl-1(2H)naphthalenone. 4,7-Dimethyltetralone
 [28449-86-7]



$C_{12}H_{14}O$ M 174.2
 (S)-form [155748-76-8]
 Constit. of *Siparuna macrotepala* and oil of lavender.
 (±)-form [85867-62-5]
 Liq. Bp₆ 129°, Bp_{0.8} 106.5-108°.
 2,4-Dinitrophenylhydrazones: [74285-39-5]. Red cryst. (EtOAc/CHCl₃). Mp 244-244.3°.
 Semicarbazone: Needles (EtOH). Mp 196-197°. [74285-39-5]
 Johnson, W.S. *et al.*, *J.A.C.S.*, 1947, **69**, 792 (*synth*)
 Phillips, D.D., *J.A.C.S.*, 1955, **77**, 3658 (*synth*)
 Kaiser, R. *et al.*, *Helv. Chim. Acta*, 1983, **66**, 1843 (*isol*)
 El-Seedi, H. *et al.*, *Phytochemistry*, 1994, **35**, 1495 (*isol*, *pmr*, *cmr*)

4,8,12-Trioxodibenzo[cd,mn]pyrenediyl(3-) T-1-00255



$C_{22}H_9O_3^{3-}$ M 321.3 (ion)
 First deriv. of the ground-state biradical ring system Triangulene, T-1-00143. Brown-green in soln. Stable for many months *in vacuo*, instantly dec. by O₂.
 Allinson, G. *et al.*, *J.C.S. Perkin 1*, 1995, 385 (*synth*, *esr*)

Triphenylbis(phenylethynyl) phosphorane, 9CI T-1-00256
 [147437-84-1]

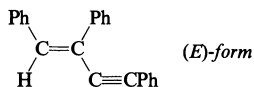


$C_{34}H_{25}P$ M 464.5
 Milky cryst. Mp 45-65° dec. With H₂O → PhC≡CH + Ph₃PO. When heated → Ph₃P + Ph₃PO + PhC≡CC≡CPh.
 Ogawa, S. *et al.*, *Tet. Lett.*, 1993, **34**, 838 (*synth*, *ms*, *pmr*, *cmr*, P-31 nmr, *props*)

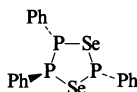
1,1,4-Triphenyl-1-buten-3-yne T-1-00257
1,1',1''-(1-Buten-3-yn-4-yl-1-ylidene) trisbenzene, 9CI
 [59277-58-6]



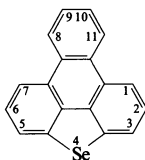
$C_{22}H_{16}$ M 280.3
 Cryst. (EtOH). Mp 104-105°.
 Marcuzzi, F. *et al.*, *J.C.S. Perkin 1*, 1993, 2957 (*synth*, *ir*, *pmr*)

1,2,4-Triphenyl-1-buten-3-yne T-1-00258*1,1',1''-(1-Buten-3-yne-1,2,4-triyl)trisbenzene, 9CI* $C_{22}H_{16}$ M 280.3*(E)-form* [154617-23-9]
Cryst. (EtOH). Mp 49-50°.*(Z)-form* [62677-52-5]
Cryst. (EtOH). Mp 81°.Marcuzzi, F. *et al*, *J.C.S. Perkin 1*, 1993, 2957
(*synth*, *pmr*)**2,4,5-Triphenyl-1,3,2,4,5-diselenatriphospholane T-1-00259**

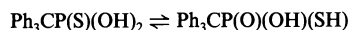
[132830-63-8]

 $C_{18}H_{15}P_3Se_2$ M 482.1*(2α,4α,5β)-form* [122039-28-5]
Yellow needles.Wood, P.T. *et al*, *Phosphorus, Sulfur, Silicon Relat. Elem.*, 1989, **41**, 51 (*synth*, *P-31 nmr*, *Se-77 nmr*)**Triphenyleno[1,12-bcd]selenophene T-1-00260**

[149415-39-4]

 $C_{18}H_{10}Se$ M 305.2

Cryst. Mp 184-185°.

Kimura, T. *et al*, *J.O.C.*, 1994, **59**, 7117 (*synth*, *pmr*, *cmr*, *Se-77 nmr*)**Triphenylmethanethiol, 9CI T-1-00261***α,α-Diphenylbenzenemethanethiol. Tritylthiol. Mercaptotriphenylmethane*
[3695-77-0] Ph_3CSH $C_{19}H_{16}S$ M 276.4
Long prisms. Mp 107°.*S-Ac*: $C_{21}H_{18}OS$ M 318.4 Long needles
(EtOH). Mp 139-141°.*S-Me*: $C_{20}H_{18}S$ M 290.4 Cryst. (MeOH).
Mp 105-106°.*Disulfide*: [15446-31-8]. *Bis(triphenylmethyl) disulfide. Ditrityl disulfide* $C_{38}H_{30}S_2$ M 550.7 Yellow cryst.
(hexane/ CH_2Cl_2). Mp 156° dec.Vorländer, D. *et al*, *Ber.*, 1913, **46**, 3450.
Ostrowski, M. *et al*, *Chem. Ber.*, 1993, **126**,
1355 (*disulfide*, *pmr*, *cmr*, *cryst struct*)**(Triphenylmethyl) T-1-00262****phosphonothioic acid***Tritylthiophosphonic acid* $C_{19}H_{17}O_2PS$ M 340.3

Tautomeric.

Thiophosphoryl-form*Difluoride*: [149574-04-9]. $C_{19}H_{15}F_2PS$ M 344.3 Cryst.
(CH_2Cl_2). Mp 192°.*Dichloride*: [149574-03-8]. $C_{19}H_{15}Cl_2PS$ M 377.2 Cryst.
(CH_2Cl_2). Mp 152°.Goerlich, J.R. *et al*, *Z. Naturforsch.*, **B**, 1993,
48, 341 (*difluoride*, *dichloride*, *synth*, *ms*, *pmr*,
cmr)**1,3,3-Triphenyl-1-propyne T-1-00263***1,1',1''-(1-Propyl-1-yl-3-ylidene)trisbenzene, 9CI*

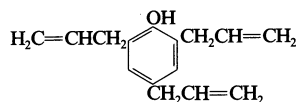
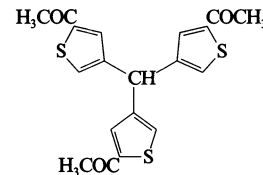
[5467-43-6]

 $C_{21}H_{16}$ M 268.3

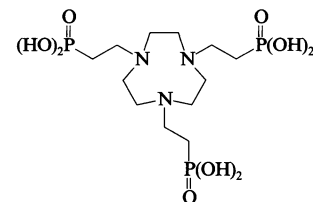
Prisms (petrol). Mp 79°.

Wieland, H. *et al*, *Annalen*, 1929, **470**, 201
(*synth*)Chirko, A.I. *et al*, *Zh. Org. Khim.*, 1973, **9**,
1687; *J. Org. Chem. USSR (Engl. Transl.)*,
1709 (*synth*, *ir*)Klett, M.W. *et al*, *J.A.C.S.*, 1985, **107**, 3963
(*pmr*)Dem'yanov, P. *et al*, *Annalen*, 1995, 457 (*cmr*)**Triphenyl(spiro[3.3]hept-2-yl) T-1-00264****phosphonium(1+)** $C_{25}H_{26}P^{\oplus}$ M 357.4 (ion)*Bromide*: [22997-61-1]. $C_{25}H_{26}BrP$ M 437.3 Cryst. (H_2O).
Mp 188-190°.Bestmann, H.J. *et al*, *Chem. Ber.*, 1969, **102**,
1802 (*synth*)**2,4,6-Tri-2-propenylphenol, T-1-00265****9CI***2,4,6-Triallylphenol*

[20490-22-6]

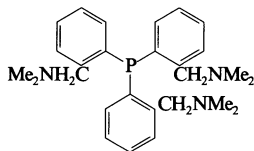
 $C_{15}H_{18}O$ M 214.3Liq. Bp 294°, Bp₁ 116.2°.*Adv. Chem. Ser.*, 1955, **15**, 310 (*props*)Davis, A.C. *et al*, *J.C.S.*, 1960, 888 (*synth*)Mikhailov, B.M. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1968, 541; *CA*, **69**, 67448v (*synth*)Crivello, J.V. *et al*, *Polym. Mater. Sci. Eng.*,
1992, **67**, 258 (*synth*)**Tris(5-acetyl-3-thienyl) T-1-00266****methane***(1,1',1''-Methylidynetri-4,2-thiophenediyl) trisethanone, 9CI*
[43227-05-0] $C_{19}H_{16}O_3S_3$ M 388.5Forms host-guest inclusion compds.
Amorph. solid. Mp 50-58°.Yakubov, A.P. *et al*, *J. Org. Chem. USSR (Engl. Transl.)*, 1973, **9**, 1549 (*synth*)Din, L.B. *et al*, *Chem. Comm.*, 1977, **21**, 741
(*props*)Pang, L. *et al*, *Acta Cryst. C*, 1994, **50**, 615
(*cryst struct*, *bibl*)**Tris(aminomethyl)phosphine T-1-00267** $C_3H_{12}N_3P$ M 121.1*Oxide*: [17165-16-1]. $C_3H_{12}N_3OP$ M 137.1 Cryst. (EtOH)
(as trihydrochloride). Mp 245-246°
(trihydrochloride).

[71619-89-1]

Frank, A.W. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1981, **10**, 255.Hägele, G. *et al*, *Z. Anorg. Allg. Chem.*, 1994,
620, 914 (*derivs*)**1,4,6-Tris[2-(dihydroxyphosphinyl)ethyl]- T-1-00268****1,4,7-triazacyclononane***[(Hexahydro-1H-1,4,7-triazonine-1,4,7-triyl) tri-2,1-ethanediy]trisphosphonic acid, 9CI*
[123325-12-2] $C_{12}H_{30}N_3O_9P_3$ M 453.3Complexing agent for Al(III), Fe(III),
Ga(III), La(III) and rare earths. Cryst.
(H_2O). Mp 264-266°. $pK_{a1} < 2$; pK_{a2} 5.38;
 pK_{a3} 6.21; pK_{a4} 6.97; pK_{a5} 8.85; pK_{a6} 12.3.Medved', T.Ya. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1988, 2103; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1988,
1886 (*synth*, *props*, *use*)Pasechnik, M.P. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1992, 1776; *Bull. Russ. Acad. Sci., Div. Chem. Sci. (Engl. Transl.)*, 1992, 1377
(*complexes*)

Tris[2-(dimethylaminomethyl)phenyl]phosphine T-1-00269

2,2',2''-Phosphinidynetris[N,N-dimethylbenzenemethanamine], 9CI
[23936-58-5]



$C_{27}H_{36}N_3P$ M 433.5
Cryst. (EtOH/Et₂O). Mp 117-120°.

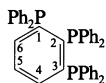
Monomethiodide: [152252-76-1]. 2-[Bis[2-(dimethylamino)methyl]phenyl]phosphino-N,N,N-trimethylbenzenemethanamide iodide, 9CI

$C_{28}H_{39}IN_3P$ M 575.5 Powder
(EtOH/C₆H₆). Mp 210-213°.

Chuit, C. *et al*, *Angew. Chem., Int. Ed.*, 1993, 32, 1430 (*synth, ms, ir, pmr, P-31 nmr, cryst struct*)

1,2,3-Tris(diphenylphosphino)benzene T-1-00270

1,2,3-Benzenetriyltris(diphenylphosphine), 9CI
[123739-94-6]



$C_{42}H_{33}P_3$ M 630.6
Solid. Mp 210-212°.

McFarlane, H.C.E. *et al*, *Polyhedron*, 1988, 7, 1875 (*synth, P-31 nmr*)

1,2,4-Tris(diphenylphosphino)benzene T-1-00271

1,2,4-Benzenetriyltris(diphenylphosphine), 9CI
[123739-95-7]

$C_{42}H_{33}P_3$ M 630.6
Solid. Mp 142-144°.

McFarlane, H.C.E. *et al*, *Polyhedron*, 1988, 7, 1875 (*synth, P-31 nmr*)

1,3,5-Tris(diphenylphosphino)benzene T-1-00272

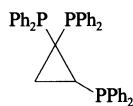
1,3,5-Benzenetriyltris(diphenylphosphine), 9CI
[123739-96-8]

$C_{42}H_{33}P_3$ M 630.6
Solid. Mp 110-111°.

McFarlane, H.C.E. *et al*, *Polyhedron*, 1988, 7, 1875 (*synth, P-31 nmr*)

1,1,2-Tris(diphenylphosphino)cyclopropane T-1-00273

1-Cyclopropyl-2-ylidenetri[diphenylphosphine], 9CI
[153477-75-9]



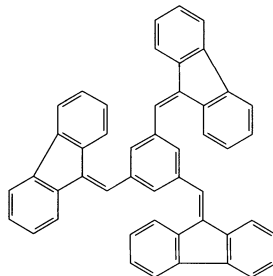
$C_{39}H_{33}P_3$ M 594.6
Triclinic cryst. (MeOH). Mp 139°.

Borane complex (1:3): [153481-07-3]. [μ_3 -[1-Cyclopropanyl-2-ylidenetri[diphenylphosphine]-P:P':P'']nonahydrotriboron], 9CI
Cryst. (CHCl₃/pentane). Mp 180°.

Trioxide: [153477-76-0].
 $C_{39}H_{33}O_3P_3$ M 642.6 Cryst. Mp 145°.

Trisulfide: [153477-77-1].
 $C_{39}H_{33}P_3S_3$ M 690.8 Powder
(THF/EtOH). Mp 223°.

Schmidtbaur, H. *et al*, *Chem. Ber.*, 1993, 126, 2259 (*synth, ms, ir, pmr, cmr, P-31 nmr, cryst struct*)

1,3,5-Tris(9H-fluoren-9-ylidenemethyl)benzene T-1-00274

$C_{48}H_{30}$ M 606.7
Fine cryst. (CHCl₃/hexane). Mp 246-248°.

Mehta, G. *et al*, *J.C.S. Perkin 1*, 1995, 1787 (*synth, cryst struct, pmr, cmr*)

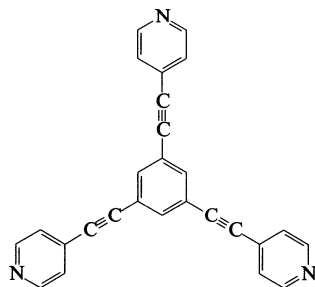
Tris(pentafluorophenyl)phosphite T-1-00275

[86341-40-4]



$C_{18}F_{15}O_3P$ M 580.1
Liq. or solid. Mp 39°. Bp₁₀ 195°, Bp_{0.05} 156-160°. n_D^{20} 1.4665.

Chauzov, V.A. *et al*, *Zh. Obshch. Khim.*, 1989, 59, 1294 (*synth, P-31 nmr, reactions*)
Miranov, V.F. *et al*, *Zh. Obshch. Khim.*, 1991, 61, 255; *J. Gen. Chem. USSR (Engl. Transl.)*, 1991, 61, 232 (*synth, F-19 nmr, P-31 nmr*)

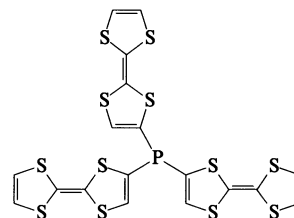
1,3,5-Tris(4-pyridylethynyl)benzene T-1-00276

$C_{27}H_{15}N_3$ M 381.4
Yellow-orange solid. Mp > 200° dec.

Anderson, H.L. *et al*, *J.C.S. Perkin 1*, 1995, 2275 (*synth, ir, pmr*)

Tris(tetrathiafulvalenyl)phosphine T-1-00277

Tris[2-(1,3-dithiol-2-ylidene)-1,3-dithiol-4-yl]phosphine
[137552-55-7]



$C_{18}H_9PS_{12}$ M 641.0
Solid.

Fourmigue, M. *et al*, *Chem. Comm.*, 1991, 1370 (*synth, P-31 nmr, cryst struct*)

1,2,3-Tris(trifluoromethyl)benzene, 9CI T-1-00278

[42175-48-4]



$C_9H_3F_9$ M 282.1

Lukmanov, V.G. *et al*, *Zh. Org. Khim.*, 1973, 9, 1019; *CA*, 79, 42101v (*synth*)

1,2,4-Tris(trifluoromethyl)benzene, 9CI T-1-00279

[393-05-5]

$C_9H_3F_9$ M 282.1
Bp₁₀₀ 79-80°. n_D^{25} 1.3679.

Krespan, C.G. *et al*, *J.A.C.S.*, 1961, 83, 3428 (*synth*)

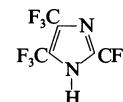
1,3,5-Tris(trifluoromethyl)benzene, 9CI T-1-00280

$\alpha, \alpha, \alpha, \alpha', \alpha', \alpha', \alpha', \alpha''$ -Nonafluoromesitylene
[729-81-7]

$C_9H_3F_9$ M 282.1
d 1.51. Mp 9°. Bp 118-119°. n_D^{25} 1.3558.

McBee, E.T. *et al*, *Ind. Eng. Chem.*, 1947, 39, 393 (*synth*)

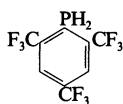
Cooper, C.D. *et al*, *J. Chem. Phys.*, 1952, 20, 1903 (*uv*)

2,4,5-Tris(trifluoromethyl)imidazole T-1-00281

$C_6HF_9N_2$ M 272.0
Cryst. by subl. Mp 139-141°.

Owen, D. *et al*, *J. Fluorine Chem.*, 1981, 17, 179 (*synth, pmr, F-19 nmr*)

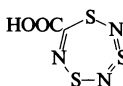
[2,4,6-Tris(trifluoromethyl)phenyl]phosphine, 9CI
[124927-09-9]



$C_9H_4F_9P$ M 314.0
Air-sensitive liq. Bp_{12} 56-58°.

Scholz, M. *et al*, *J. Organomet. Chem.*, 1989, 366, 73 (*synth, pmr, F-19 nmr, P-31 nmr*)

3δ², 3λ⁴-1,3,5,2,4,6-Trithiazepine-7-carboxylic acid, 9CI
[116509-19-4]



$C_7HN_3O_2S_3$ M 195.2
Needles (H_2O). Mp 149-150° dec.

Me ester: [89929-35-1].

$C_3H_3N_3O_2S_3$ M 209.2 *Synth.* from S_4N_4 + $MeOOC\equiv CCOOMe$. Cryst. (petrol). Mp 81-83°.

tert-Butyl ester: [109988-32-1].

$C_6H_9N_3O_2S_3$ M 251.3 Needles (petrol). Mp 82.5-83°.

Azide: [124613-13-4].

$C_2N_6OS_3$ M 220.2 Needles (petrol). Mp 75-76°.

Amide: [124613-18-9].

$C_2H_2N_4OS_3$ M 194.2 Cryst. ($EtOAc/CH_2Cl_2$). Mp 180°.

Anhydride: [124635-36-5].

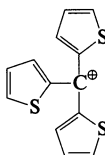
$C_4N_6O_3S_6$ M 372.4 Cryst. Mp 120-125°.

Daley, S.T.A.K. *et al*, *Chem. Comm.*, 1984, 55 (*cryst struct, Me ester*)

Daley, S.T.A.K. *et al*, *J.C.S. Perkin 1*, 1987, 203 (*synth, ir, uv, pmr, Me ester*)

Dunn, P.J. *et al*, *J.C.S. Perkin 1*, 1988, 1745; 1989, 1405 (*synth, uv, ir, pmr, ms*)

Tri-2-thienylmethylium(1+), 9CI
Tris(2-thienyl)methyl



$C_{13}H_9S_3^{\oplus}$ M 261.4 (ion)

Perchlorate: [112401-10-2].

$C_{13}H_9ClO_4S_3$ M 360.8 Brown cryst. Racemic mixt. of 2 enantiomeric conformers.

Abarca, B. *et al*, *J.O.C.*, 1991, 56, 3224 (*synth*)

Varea, T. *et al*, *Chem. Comm.*, 1993, 1476 (*synth, cryst struct*)

1,2,3-Trithiolane, 9CI
1,2,3-Trithiacyclopentane



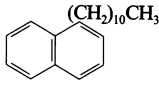
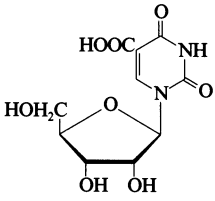
$C_2H_4S_3$ M 124.2

2-Oxide: [153898-66-9].

$C_2H_4OS_3$ M 140.2 Pale yellow oil.

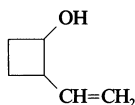
Yomiji, N. *et al*, *J.C.S. Perkin 1*, 1993, 1995 (*oxide, synth, ir, uv, pmr, cmr*)

U

- 3,9-Undecadiyn-1-ol** **U-1-00001**
 [92013-73-5]
 $\text{H}_3\text{CC}\equiv\text{C}(\text{CH}_2)_4\text{C}\equiv\text{CCH}_2\text{CH}_2\text{OH}$
 $\text{C}_{11}\text{H}_{16}\text{O}$ M 164.2
 Oil.
 Bao, J. *et al*, *J.A.C.S.*, 1994, **116**, 7616 (*synth*, *ir*, *pmr*, *cmr*, *ms*)
- 4,9-Undecadiyn-1-ol** **U-1-00002**
 [160109-65-9]
 $\text{H}_3\text{CC}\equiv\text{C}(\text{CH}_2)_3\text{C}\equiv\text{CCH}_2\text{CH}_2\text{CH}_2\text{OH}$
 $\text{C}_{11}\text{H}_{16}\text{O}$ M 164.2
 No phys. props. descr.
 Bao, J. *et al*, *J.A.C.S.*, 1994, **116**, 7616 (*synth*, *ir*, *pmr*, *cmr*, *ms*)
- 1-Undecen-5-one, 9CI** **U-1-00003**
 [38945-65-2]
 $\text{H}_3\text{C}(\text{CH}_2)_3\text{COCH}_2\text{CH}_2\text{CH}=\text{CH}_2$
 $\text{C}_{11}\text{H}_{20}\text{O}$ M 168.2
 Liq. Bp 225-226°, Bp_{0.2} 61-64°. n_{D}^{20} 1.4388.
 Naoshima, Y. *et al*, *Agric. Biol. Chem.*, 1979, **43**, 1765 (*synth*, *ir*, *pmr*)
 Ho, T.-L., *Synth. Commun.*, 1981, **11**, 7 (*synth*, *ir*, *pmr*)
 Vermeer, P. *et al*, *J. Organomet. Chem.*, 1986, **301**, 247 (*synth*, *ir*, *pmr*)
 Ballini, R. *et al*, *Synthesis*, 1994, 723 (*synth*, *pmr*)
- 1-Undecylnaphthalene** **U-1-00004**
1-(1-Naphthalenyl)undecane
 [7225-71-0]

 $\text{C}_{21}\text{H}_{30}$ M 282.4
 d_{4}^{20} 0.928. Fp 23°. Bp 401°, Bp₂ 177°. n_{D}^{20} 1.5399.
Adv. Chem. Ser., 1955, **15**, 234 (*props*)
- 2-Undecylnaphthalene** **U-1-00005**
1-(2-Naphthalenyl)undecane
 $\text{C}_{21}\text{H}_{30}$ M 282.4
 d_{4}^{20} 0.921. Fp 20°. Bp 401°, Bp₁ 177°. n_{D}^{20} 1.5376.
Adv. Chem. Ser., 1955, **15**, 235 (*props*)
- 6-Undecyn-5-one, 9CI** **U-1-00006**
 [30611-17-7]
 $\text{H}_3\text{C}(\text{CH}_2)_3\text{C}\equiv\text{CCO}(\text{CH}_2)_3\text{CH}_3$
 $\text{C}_{11}\text{H}_{18}\text{O}$ M 166.2
 Liq. Bp₁₅ 112-113°. n_{D}^{20} 1.4510.
 Bourgain, M. *et al*, *Bull. Soc. Chim. Fr.*, 1973, 2137 (*synth*, *ir*, *pmr*)
 Cahiez, G. *et al*, *Synthesis*, 1977, 130 (*synth*)
 Gleiter, R. *et al*, *Synthesis*, 1995, 969 (*synth*, *pmr*, *cmr*, *ir*)
- 5-Uridinecarboxylic acid** **U-1-00007**
1,2,3,4-Tetrahydro-2,4-dioxo-1-β-D-ribofuranosyl-5-pyrimidinecarboxylic acid, 9CI
 [3180-22-1]

 $\text{C}_{10}\text{H}_{12}\text{N}_2\text{O}_8$ M 288.2
 Needles (EtOH aq.). Mp 118°. pK_a 9.5, 4.2.
Amide: [110914-06-2].
 $\text{C}_{10}\text{H}_{13}\text{N}_3\text{O}_7$ M 287.2 Needles (EtOH). Mp 198-200° dec.
Nitrile: [4425-57-4]. *5-Cyanouridine, 9CI*
 $\text{C}_{10}\text{H}_{11}\text{N}_3\text{O}_6$ M 269.2 Needles (EtOH). Mp 185°. $[\alpha]_{\text{D}}^{25}$ -4.7.
 Imai, K. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 7 (*synth*, *uv*)
 Cusack, N.J. *et al*, *J.C.S. Perkin 1*, 1973, 1720 (*nitrile*)
 Agathocleous, D.C. *et al*, *J.C.S. Perkin 1*, 1991, 2317 (*amide*, *pmr*)

V

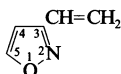
2-Vinylcyclobutanol 2-Ethenylcyclobutanol



$C_6H_{10}O$ M 98.1
cis- and *trans*-isomers prepd. and sepd. by glc.

Harris, N.J. *et al*, *J.A.C.S.*, 1994, **116**, 6121
(*synth*, *ir*, *pmr*, *cmr*)

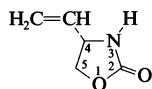
3-Vinylisoxazole 3-Ethenylisoxazole



C_5H_5NO M 95.1
Pale yellow oil.

Ambler, P.W. *et al*, *Chem. Comm.*, 1994, 2661
(*synth*, *pmr*)

4-Vinyl-2-oxazolidinone 4-Ethenyl-2-oxazolidinone, 9CI



$C_5H_7NO_2$ M 113.1
(*S*)-*form* [146565-74-4]
Pale yellow oil. $[\alpha]_D^{20}$ -17.6 (c, 1.0 in $CHCl_3$).

Yoo, S. *et al*, *J.O.C.*, 1994, **59**, 6968 (*synth*, *pmr*, *cmr*, *ms*)

Vinylphosphonous diamide, 8CI Ethenylphosphonous diamide, 9CI



$C_2H_7N_2P$ M 90.0

N,N,N',N'-Tetra-Me: [53422-58-5]. P-Ethenyl-*N,N,N',N'*-tetramethylphosphonous diamide. Vinylphosphonous bis(dimethylamide)

$C_6H_{15}N_2P$ M 146.1 Liq. Bp₂₈ 75-79°.

N,N,N',N'-Tetra-Et: [89438-02-8]. P-Ethenyl-*N,N,N',N'*-tetraethylphosphonous amide. Vinylphosphonous bis(diethylamide)

$C_{10}H_{23}N_2P$ M 202.2 Liq. Bp_{1.4-1.6} 65-70°, Bp_{0.02} 45-46°.

N,N,N',N'-Tetraisopropyl: [89438-04-0]. Vinylphosphonous bis(diisopropylamide). P-Ethenyl-*N,N,N',N'*-tetrakis(1-methylethyl)phosphonous diamide

$C_{14}H_{31}N_2P$ M 258.3 Solid. Mp 26-27°. Bp_{0.3} 77-80°.

N,N,N',N'-Tetrakis(trimethylsilyl): [122631-80-5]. P-Ethenyl-*N,N,N',N'*-tetrakis(trimethylsilyl)phosphonous diamide

$C_{14}H_{39}N_2PSi_4$ M 378.7 Liq. Bp_{0.01} 61-65°.

King, R.B. *et al*, *J.A.C.S.*, 1977, **99**, 4001 (*tetra-Me*, *synth*, *cmr*, *P-31 nmr*)

King, R.B. *et al*, *J.O.C.*, 1984, **49**, 1784 (*synth*, *ms*, *pmr*, *cmr*, *P-31 nmr*)

Vierling, P. *et al*, *Organometallics*, 1986, **5**, 2543 (*tetra-Et*, *synth*, *ir*, *pmr*, *P-31 nmr*)

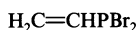
Waters, K.E. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1988, **39**, 189 (*synth*, *cmr*, *P-31 nmr*)

Fluck, E. *et al*, *Z. Anorg. Allg. Chem.*, 1992, **613**, 31 (*tetra-Et*, *synth*, *ir*, *P-31 nmr*)

Vinylphosphonous dibromide, 8CI Ethenylphosphonous dibromide, 9CI

Dibromovinylphosphine

[41813-13-2]



$C_2H_3Br_2P$ M 217.8

Pale yellow fuming liq. d_4^{20} 2.27. Bp₂₀ 60°. n_D^{20} 1.6915.

Bartocha, B. *et al*, *Z. Naturforsch., B*, 1959, **14**, 809 (*synth*)

Levin, Ya.A. *et al*, *Zh. Obshch. Khim.*, 1973, **43**, 283; *J. Gen. Chem. USSR (Engl. Transl.)*, 1973, **43**, 282 (*synth*)

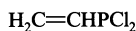
Althoff, A. *et al*, *Chem. Ber.*, 1978, **111**, 1845 (*synth*, *P-31 nmr*)

Diemert, K. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1986, **26**, 307 (*synth*, *P-31 nmr*)

Vinylphosphonous dichloride, 8CI Ethenylphosphonous dichloride, 9CI

Dichlorovinylphosphine

[3541-56-8]



$C_2H_3Cl_2P$ M 128.9

Liq. which fumes in air. Sensitive to air and moisture. d^{20} 1.30. Bp 105°, Bp₂₀₀ 63-65°. n_D^{20} 1.5145.

Kaesz, H.D. *et al*, *J.O.C.*, 1959, **24**, 635 (*synth*, *ir*)

Levin, Ya.A. *et al*, *Zh. Obshch. Khim.*, 1973, **43**, 281; *J. Gen. Chem. USSR (Engl. Transl.)*, 1973, **43**, 280 (*synth*)

Naumov, V.A. *et al*, *Zh. Strukt. Khim.*, 1984, **25**, 137.

Diemert, K. *et al*, *Phosphorus Sulfur Relat. Elem.*, 1986, **26**, 307 (*synth*, *P-31 nmr*)

Zverev, V.V. *et al*, *Metallorg. Khim.*, 1990, **3**, 1012; *Organometallic Chem. USSR (Engl. Transl.)*, 1990, **3**, 516 (*pe*, *theory*)

Ermolaeva, L.V. *et al*, *Metallorg. Khim.*, 1990, **3**, 1156; *Organometallic Chem. USSR (Engl. Transl.)*, 1990, **3**, 598 (*conformn*, *theory*)

Zverev, V.V. *et al*, *Zh. Strukt. Khim.*, 1990, **31**, 65; *J. Struct. Chem. (Engl. Transl.)*, 1990, **31**, 904 (*pe*, *theory*)

Chernova, A.V. *et al*, *Zh. Obshch. Khim.*, 1993, **63**, 2603; *J. Gen. Chem. USSR (Engl. Transl.)*, 1993, **63**, 1807 (*ir*, *Raman*)

4-Vinylpiperidine 4-Ethenylpiperidine

[7613-15-2]

$C_7H_{13}N$ M 111.1

Bp_{14.5} 134-135°.

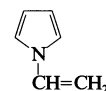
N-Ac:

$C_9H_{15}NO$ M 153.2 Bp_{13.5} 133°.

Perry, R.A. *et al*, *Can. J. Chem.*, 1976, **54**, 2385 (*synth*, *ir*, *pmr*)

1-Vinyl-1H-pyrrole 1-Ethenyl-1H-pyrrole, 9CI

[13401-81-5]



C_6H_7N M 93.1

Liq. Bp 122°, Bp₁₅ 28°. n_D^{20} 1.5260.

Reppe, W. *et al*, *Annalen*, 1956, **601**, 81 (*synth*)

Sigalov, M.V. *et al*, *Tetrahedron*, 1981, **37**, 3051

(*cmr*, *pmr*)

Attaryan, O.S. *et al*, *Zh. Org. Khim.*, 1988, **24**, 1339; *J. Org. Chem. USSR (Engl. Transl.)*, 1988, **24**, 1206 (*synth*, *ir*, *pmr*)

Trofimov, B.A. *et al*, *Synth. Commun.*, 1994, **24**, 2035 (*synth*, *pmr*)

X

Xylofuranosyl bromide

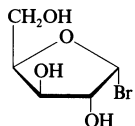
X-1-00001

Xylofuranosyl fluoride

X-1-00002

Xylopyranosyl fluoride

X-1-00003



α -D-form

$C_5H_9BrO_4$ M 213.0

α -D-form

Tri-Ac: [55057-30-2].

$C_{11}H_{15}BrO_7$ M 339.1 Syrup.

Tribenzoyl: [38837-18-2].

$C_{26}H_{21}BrO_7$ M 525.3 Syrup.

β -D-form

Tri-Ac: [55057-31-3].

Syrup.

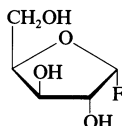
Tribenzoyl: [38837-19-3].

Syrup.

Wagner, G. *et al*, *Pharmazie*, 1972, **27**, 433 (α -tribenzoyl, β -tribenzoyl)

Bock, K. *et al*, *Acta Chem. Scand., Ser. B*, 1974, **28**, 1041; 1975, **29**, 185 (α -tri-Ac, β -tri-Ac, *pmr*)

Girodeau, J.M. *et al*, *J. Antibiot.*, 1984, **37**, 150 (*deriv*)



α -D-form

$C_5H_9FO_4$ M 152.1

α -D-form

2-Me, 3,5-dibenzoyl: [38791-48-9].

$C_{20}H_{19}FO_6$ M 374.3 Syrup. $[\alpha]_D^{25}$ -32.5 (c, 0.65 in $CHCl_3$).

β -D-form

Tri-Ac: [28072-59-5].

$C_{11}H_{15}FO_7$ M 278.2 Syrup.

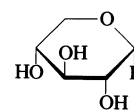
2-Me, 3,5-dibenzoyl: [38791-49-0].

Cryst. (Et_2O /pentane). Mp 82-83°. $[\alpha]_D^{22}$ -133 (c, 1.6 in $CHCl_3$).

Hall, L.D. *et al*, *Can. J. Chem.*, 1970, **48**, 1155

(*tri-Ac, pmr, F-19 nmr*)

Jacobsen, S. *et al*, *Acta Chem. Scand.*, 1972, **26**, 1561 (*deriv, pmr, F-19 nmr*)



α -D-form

$C_5H_9FO_4$ M 152.1

α -D-form [4536-02-1]

Tri-Ac: [440-05-1].

$C_{11}H_{15}FO_7$ M 278.2 Cryst. Mp 86-88°. $[\alpha]_D$ +67.2 (c, 1.0 in $CHCl_3$).

Tribenzoyl: [4163-50-2].

$C_{26}H_{21}FO_7$ M 464.4 Needles ($EtOH$ or Et_2O /pentane). Mp 119-120°. $[\alpha]_D^{20}$ +39.2 (c, 0.93 in $CHCl_3$).

2-Me, 3,4-dibenzoyl: [38791-46-7].

$C_{20}H_{19}FO_6$ M 374.3 Cryst. (Et_2O /pentane). Mp 120-121°. $[\alpha]_D^{23}$ -56.7 (c, 0.3 in $CHCl_3$).

Tribenzyl: [95898-05-8].

$C_{26}H_{27}FO_4$ M 422.4 Syrup.

β -D-form [108393-17-5]

Tri-Ac: [10369-21-8].

Mp 56-57° (52-55°). $[\alpha]_D^{23}$ -56.4 (c, 1.6 in $CHCl_3$).

Tribenzoyl: [3862-87-1].

Prisms ($EtOH$). Mp 149-150°. $[\alpha]_D^{20}$ -39.4 (c, 1.04 in $CHCl_3$).

2-Me, 3,4-dibenzoyl: [38791-47-8].

Cryst. (Et_2O /pentane). Mp 82-83°. $[\alpha]_D^{22}$ -133 (c, 1.6 in $CHCl_3$).

Brauns, D.K., *J.A.C.S.*, 1923, **45**, 833 (α -tri-Ac)

Pedersen, C., *Acta Chem. Scand.*, 1963, **17**, 1269 (*tribenzoyl*)

Lundt, K. *et al*, *Mikrochim. Acta*, 1966, 126 (β -tri-Ac)

Hall, L.D. *et al*, *Carbohydr. Res.*, 1967, **4**, 512; 1969, **9**, 11 (*pmr*)

Hall, L.D. *et al*, *Can. J. Chem.*, 1969, **47**, 19 (*tri-Ac, pmr, F-19 nmr*)

Jacobsen, S. *et al*, *Acta Chem. Scand.*, 1972, **26**, 1561 (α -Me deriv, β -Me deriv, *pmr*)

Kasumi, T. *et al*, *Biochemistry*, 1987, **26**, 3010 (*pmr, F-19 nmr*)

Yamada, H. *et al*, *Tet. Lett.*, 1987, **28**, 4315 (*tribenzyl*)

Name Index

The Name Index lists in alphabetical order all names and synonyms contained in the Dictionary.

Each index term refers the user to a Dictionary Number consisting of a single letter of the alphabet followed by six digits. The letter is the first letter of the relevant Entry Name. The first digit of the Dictionary Number refers to the number of the Supplement in which the Entry appears. In this, the First Supplement, the first digit is invariably 1.

A Dictionary Number which follows immediately upon an index term means that the term is itself used as the Entry Name.

A Dictionary Number which is preceded by the word '*see*' means that the term is a synonym to an Entry Name.

A Dictionary Number which is preceded by the word '*in*' means that the term is embedded within an Entry, usually as a synonym to a particular stereoisomeric form or to a derivative.

The symbol ► preceding an index term indicates that the Dictionary Entry contains information on toxic or hazardous properties of the compound.

The symbol † following an index term indicates that the name is known to the editors as being a duplicate and has been assigned to two or more different compounds.

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- 3-Azetidylphosphinic acid, *see* A-1-00243
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- 3'-Azido-5-chloro-2',3'-dideoxyuridine, A-1-00250
- 3-Azido-2-cyanothiophene, *in* A-1-00259
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 5,7-Bis(diazo)-5,7-dihydro-6*H*-dibenzol[*a, c*]cyclohepten-6-one, B-1-00140
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 3,4-Bis(dibromomethyl)benzoic acid, B-1-00142
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 Bis(dihydroxyphosphinyl)ethyne, *see* E-1-00032
 1,2-Bis(3,4-dimethoxyphenyl)-1,2-ethanediol, *in* B-1-00150
 2-[Bis(2-(dimethylamino)methyl)phenyl]phosphino- N, N, N -trimethylbenzenemethanamide iodide, *in* T-1-00269
 Bis[2-(dimethylamino)phenyl]phenylphosphine, B-1-00151
 Bis[3-(dimethylamino)phenyl]phenylphosphine, B-1-00152
 Bis[4-(dimethylamino)phenyl]phenylphosphine, B-1-00153
 1,1-Bis(1,1-dimethylethyl)-2,2-dimethyldiphosphine, *see* D-1-00168
 1,2-Bis(1,1-dimethylethyl)-1,2-diphenyldiphosphine, *see* D-1-00169
 Bis(1,1-dimethylethyl) (diphenylmethyl)phosphonate, *in* D-1-00504
 1,3-Bis(1,1-dimethylethyl)-5-fluorobenzene, *see* D-1-00171
 2,4-Bis(1,1-dimethylethyl)-1-fluorobenzene, *see* D-1-00172
 Bis(1,1-dimethylethyl) (2-hydroxy-4,6-dimethoxyphenyl)phosphonate, *in* T-1-00231
 Bis(1,1-dimethylethyl) (2-hydroxy-6-methoxyphenyl)phosphonate, *in* D-1-00351
 3,5-Bis(1,1-dimethylethyl)-1,2,4-thiadiphosphole, *see* D-1-00173
 1,4-Bis(3,4-dimethyl-1*H*-phospholyl)benzene, *see* P-1-00064
 N -[4-[2,4-Bis(1,1-dimethylpropyl)phenoxy]butyl]-1-hydroxy-2-naphthalenecarboxamide, B-1-00154
 3,3'-Bis(2,5-diphenylfuran), *see* T-1-00093
 1,3-Bis(diphenylphosphino)cyclohexane, B-1-00155
 2,5-Bis[(diphenylphosphino)methyl]bicyclo[2.2.1]heptane, B-1-00156
 8,8'-Bis[(diphenylphosphino)methyl]-1,1'-binaphthalene, B-1-00157
 2,2'-Bis[(diphenylphosphino)methyl]biphenyl, B-1-00158
 1,1-Bis[(diphenylphosphino)methyl]ethene, B-1-00159
 1,8-Bis[(diphenylphosphino)methyl]naphthalene, B-1-00160
 2,3-Bis[(diphenylphosphino)methyl]naphthalene, B-1-00161
 2,3-Bis(diphenylphosphinomethyl)-5-norbornene, *see* B-1-00088
 2,5-Bis(diphenylphosphino)pyridazine, B-1-00162
 1,8-Bis[(diphenylphosphinyl)methyl]naphthalene, *in* B-1-00160
 2,3-Bis[(diphenylphosphinyl)methyl]naphthalene, *in* B-1-00161
 Bis(4-ethoxyphenyl)acetylene, *in* B-1-00182
 1,2,5,6-Bis(ethylenedithio)pyracyclene, B-1-00163
 Bis(4-ethynylphenyl)methanone, *see* D-1-00231
 P, P -Bis(3-fluorophenyl)- N, N -dipropylphosphinous amide, *in* B-1-00168
 P, P -Bis(4-fluorophenyl)- N, N -dipropylphosphinous diamide, *in* B-1-00167
 Bis(4-fluorophenyl)ditelluride, B-1-00164
 Bis(4-fluorophenyl)ethanedione, B-1-00165
 Bis(3-fluorophenyl)phosphinous acid, B-1-00166
 Bis(4-fluorophenyl)phosphinous acid, B-1-00167
 P, P -Bis(3-fluorophenyl)phosphinous amide, B-1-00168
 Bis(3-fluorophenyl)phosphinous chloride, B-1-00169
 Bis(3-fluorophenyl)phosphinous diethylamide, *in* B-1-00168
 Bis(4-fluorophenyl)phosphinous diethylamide, *in* B-1-00167
 Bis(4-fluorophenyl)phosphinous dipropylamide, *in* B-1-00167
 Bis(3-fluorophenyl)phosphonous dipropylamide, *in* B-1-00168
 Bis(4-fluorophenyl)sulfide, B-1-00170
 Bis(4-fluorophenyl)sulfone, *in* B-1-00170
 Bis(4-fluorophenyl)sulfoxide, *in* B-1-00170
 1,8-Bis(2-formylethynyl)anthracene, B-1-00171
 1,4-Bis(2-formylphenyl)-1,4-dioxabutane, *see* E-1-00015
 2,5-Bis(2-furanylmethyl)furan, B-1-00172
 1,2-Bis(hydroxydiphenylmethyl)cyclobutane, *see* T-1-00096
 1,2-Bis(hydroxydiphenylmethyl)cyclohexane, *see* T-1-00097
 1,2-Bis(hydroxydiphenylmethyl)cyclopentane, *see* T-1-00098
 1,2-Bis(2-hydroxyethoxy)benzene, B-1-00173
 1,3-Bis(2-hydroxyhexafluoro-2-propyl)benzene, *see* T-1-00074
 1,2-Bis(hydroxymethoxy)ethane, B-1-00174
 1,2-Bis(4-hydroxy-3-methoxyphenyl)-1,2-ethanediol, *in* B-1-00150
 2,3-Bis(hydroxymethyl)bicyclo[2.2.2]octane, *see* B-1-00096
 3,3'-Bis(hydroxymethyl)biphenyl, B-1-00175
 3,5-Bis(hydroxymethyl)biphenyl, B-1-00176
 4,4'-Bis(hydroxymethyl)biphenyl, B-1-00177
 1,3-Bis(hydroxymethyl)cyclohexane, *see* C-1-00195
 1,4-Bis(hydroxymethyl)-2,6-dimethylbenzene, *see* D-1-00371
 4,5-Bis(hydroxymethyl)-1,3-dithiole-2-thione, B-1-00178
 2-[4,5-Bis(hydroxymethyl)-1,3-dithiol-2-ylidene]-1,3-dithiole-4,5-dimethanol, *see* T-1-00073
 1,3-Bis(1-hydroxy-1-methylethyl)benzene, B-1-00179
 1,2-Bis(2-hydroxyphenyl)acetylene, B-1-00180
 1,2-Bis(3-hydroxyphenyl)acetylene, B-1-00181
 1,2-Bis(4-hydroxyphenyl)acetylene, B-1-00182
 1,2-Bis(2-hydroxyphenyl)ethane, *see* D-1-00338
 1,2-Bis(3-hydroxyphenyl)ethane, *see* D-1-00339
 1,2-Bis(4-hydroxyphenyl)ethane, *see* D-1-00340
 3,6-Bis(1*H*-imidazol-4-ylmethyl)-2,5-piperazinedione, *see* C-1-00208
 Bis(2-methoxyphenyl)acetylene, *in* B-1-00180
 Bis(3-methoxyphenyl)acetylene, *in* B-1-00181
 Bis(4-methoxyphenyl)acetylene, *in* B-1-00182
 1,2-Bis(2-methoxyphenyl)ethane, *in* D-1-00338
 1,2-Bis(4-methoxyphenyl)ethane, *in* D-1-00340
 1,2-Bis(3-methoxyphenyl)ethane, *in* D-1-00339
 Bis(4-methoxyphenyl)methaneselone, B-1-00183
 Bis(4-methoxyphenyl)phosphinous chloride, B-1-00184
 1,2-Bis(1-methylethyl)benzene, *see* D-1-00361
 1,3-Bis(1-methylethyl)benzene, *see* D-1-00362
 1,4-Bis(1-methylethyl)benzene, *see* D-1-00363
 2,4-Bis(1-methylethyl)benzenesulfonic acid, *see* D-1-00364
 1,2-Bis(1-methylethyl)-3,4-bis(1-methylethylidene)-1,2-diphosphetane, *see* D-1-00365
 Bis(1-methylethyl) chloroethynylphosphonate, *in* C-1-00094
 1,2-Bis(2-methylphenyl)acetylene, B-1-00185
 1,2-Bis(3-methylphenyl)acetylene, B-1-00186
 1,2-Bis(4-methylphenyl)acetylene, B-1-00187
 1,2-Bis(2-methylphenyl)-1,2-ethanediol, B-1-00188
 Bis(2-methylpropyl) (2-hydroxy-6-methoxyphenyl)phosphonate, *in* D-1-00351
 2,4-Bis(methylthio)quinazoline, *in* Q-1-00001
 Bis(pentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]octyl)methanone, *see* D-1-00208
 Bis(pentafluoroethyl) ether, B-1-00189
 1,2-Bis(pentafluorophenyl)-1,2-diphenyldiphosphine, B-1-00190
 N, N' -Bis[4-(phenylamino)phenyl]-1,4-benzenediamine, B-1-00191
 2,2-Bis(phenylazo)propane, B-1-00192
 2,3-Bis(phenylethynyl)butenedial, B-1-00193
 1,2-Bis(2-phenylethynyl)butenedioic acid, B-1-00194
 3,3-Bis(2-phenylethynyl)-1,5-diphenyl-1,4-pentadiene, B-1-00195
 2,3-Bis(phenylethynyl)fumaraldehyde, *in* B-1-00193
 α, α -Bis(phenylmethyl)benzeneethanol, *see* B-1-00066
 Bis(phenylmethyl) carbonate, *see* D-1-00132
 2,3-Bis(phenylmethyl)oxirane, *see* D-1-00133
 3,4-Bis(phenylphosphino)pyrrolidine, B-1-00196
 Bis(phenylseleno)methane, B-1-00197
 1,1-Bis(phenylsulfonyl)cyclopropane, B-1-00198
 Bis(phenylsulfonyl)sulfide, B-1-00199
 Bis(phenylthio)acetaldehyde, B-1-00200
 Bisquaric acid, B-1-00201
 Bis(2,2,3,3-tetrafluoropropyl) (2-ethoxyethenyl)phosphonite, *in* E-1-00011
 Bisthiazolo[3,2-*b:3',2'-e*][1,2,4,5]tetrazine, B-1-00202
 1,2-Bis(2,4,6-tri-*tert*-butylphenyl)diphosphine, B-1-00203
 1,4-Bis(trichloromethyl)benzene, B-1-00204
 2,5-Bis(trichloromethyl)pyrazine, B-1-00205
 3,5-Bis(trichloromethyl)pyridine, B-1-00206
 Bis(tricyclo[3.3.1.1^{3,7}]dec-2-yl)methanone, *see* B-1-00079
 2,5-Bis(trifluoromethyl)aniline, B-1-00207
 3,5-Bis(trifluoromethyl)aniline, B-1-00208
 Bis(trifluoromethyl)arsenic bromide, *see* B-1-00230
 Bis(trifluoromethyl)arsenic fluoride, *see* F-1-00012
 Bis(trifluoromethyl)arsinous bromide, *see* B-1-00230
 Bis(trifluoromethyl)arsinous fluoride, *see* F-1-00012
 3,5-Bis(trifluoromethyl)benzaldehyde, B-1-00209
 2,5-Bis(trifluoromethyl)benzenamine, *see* B-1-00207
 3,5-Bis(trifluoromethyl)benzenamine, *see* B-1-00208
 3,5-Bis(trifluoromethyl)benzenemethanol, B-1-00210

- 3,5-Bis(trifluoromethyl)benzyl alcohol, *see* B-1-00210
- 2,4-Bis(trifluoromethyl)-1-bromobenzene, *see* B-1-00232
- 1,1-Bis(trifluoromethyl)diphosphine, B-1-00211
- 1,1-Bis(trifluoromethyl)ethanol, *see* H-1-00032
- [2,6-Bis(trifluoromethyl)phenyl]phosphonous difluoride, B-1-00212
- Bis(2,4,6-triisopropylphenyl)phosphinic acid, B-1-00213
- Bis(2,4,6-trimethylphenyl)phosphinous fluoride, B-1-00214
- Bis(trimethylsilyl)(4-methoxybenzoyl)phosphonate, *in* M-1-00013
- [2-Bis(trimethylsilyloxyphosphinyl)-1,2-difluoroethenyl]pentafluorosulfur, *in* D-1-00244
- Bis(trimethylsilyl) [(2,2,2-trifluoro-1-hydroxy-1-trifluoromethyl)ethyl]phosphonate, *in* H-1-00031
- Bis(triphenylmethyl) disulfide, *in* T-1-00261
- 9,10-Bis(triphenylphosphinomethyl)anthracene(2+), B-1-00215
- 1,2-Bis(triphenylphosphonomethyl)naphthalene, *see* N-1-00001
- 1,6-Bis(triphenylphosphoranylidene)-2,4-hexadiene-1,2,3,4,5,6-hexacarbonitrile, B-1-00216
- 1,2-Bis[2,4,6-tris(1,1-dimethylethyl)phenyl]diphosphine, *see* B-1-00203
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- [2,2'-Bithiophene]-5,5'-dicarboxaldehyde, B-1-00218
- [2,2'-Bithiophene]-5-thiol, B-1-00219
- 2,2'-Bithiophen-5-ol, B-1-00220
- ▶ Bitriben, *see* B-1-00204
- 2,2'-Bi(tricyclo[3.3.0.0.3⁷]oct-2-ylidene), *see* T-1-00173
- Boraquat P30, *in* T-1-00245
- Bromdian, B-1-00221
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- 1-(Bromoacetyl)-4-fluorobenzene, *see* B-1-00294
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- 10-Bromo-9-anthracenecarboxylic acid, B-1-00224
- 10-Bromo-9-anthroic acid, *see* B-1-00224
- 5-Bromo-1,3-benzenedicarboxylic acid, B-1-00225
- 2-Bromobenzhydrol, *see* B-1-00290
- 3-Bromobenzhydrol, *see* B-1-00291
- 1-Bromobenz[f]indane, *see* B-1-00281
- 6-Bromo-2*H*-1-benzopyran, B-1-00226
- 7-Bromo-2*H*-1-benzopyran, B-1-00227
- 2-Bromo-1-benzosuberone, *see* B-1-00392
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- 3-Bromobenzo[*c*]thiophen-1(3*H*)-one, B-1-00228
- 3-Bromobicyclo[1.1.1]pentane-1-carboxylic acid, B-1-00229
- 1-(3-Bromobicyclo[1.1.1]pent-1-yl)ethanone, *see* A-1-00013
- 1-Bromo-3,5-bis(1,1-dimethylethyl)benzene, *see* B-1-00274
- 2-Bromo-1,3-bis(1,1-dimethylethyl)benzene, *see* B-1-00275
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- 1-Bromo-3,5-bis(trifluoromethyl)benzene, B-1-00231
- 4-Bromo-1,3-bis(trifluoromethyl)benzene, B-1-00232
- 5-Bromo-2,2'-bithienyl, *see* B-1-00233
- 5-Bromo-2,2'-bithiophene, B-1-00233
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- 1-Bromo-3-*tert*-butylbicyclo[1.1.1]pentane, B-1-00235
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- 6-Bromo-3-chromene, *see* B-1-00226
- 6-Bromo-2*H*-chromene, *see* B-1-00226
- 7-Bromo-2*H*-chromene, *see* B-1-00227
- ▶ Bromoconazole, *see* B-1-00406
- 9-Bromo-10-cyanoanthracene, *in* B-1-00224
- 1-Bromo-3-cyanobicyclo[1.1.1]pentane, *in* B-1-00229
- 6-Bromo-3-(cyanomethyl)indole, *in* B-1-00304
- 3-Bromo-4-(cyanomethyl)pyridine, *in* B-1-00386
- 3-Bromo-5-(cyanomethyl)pyridine, *in* B-1-00387
- 3-Bromo-3-cyclobutene-1,2-dione, B-1-00238
- 3-Bromocyclohexanol, B-1-00239
- 3-Bromocyclohexanone, B-1-00240
- 2-Bromo-2-cyclohexen-1-amine, B-1-00241
- 2-Bromo-1,1,1,3,3,4,4,5,5,5-decafluoro-2-(trifluoromethyl)pentane, B-1-00242
- 10-Bromodecanal, B-1-00243
- 10-Bromo-1-decene, B-1-00244
- 3-Bromo-3-deoxyallose, B-1-00245
- 6-Bromo-6-deoxyallose, B-1-00246
- 2-Bromo-2-deoxyaltrose, B-1-00247
- 3-Bromo-3-deoxyaltrose, B-1-00248
- 6-Bromo-6-deoxyaltrose, B-1-00249
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- 3-Bromo-3-deoxyarabinose, B-1-00251
- 1-Bromo-1-deoxyfructose, B-1-00252
- 3-Bromo-3-deoxyglucose, B-1-00253
- 4-Bromo-4-deoxyglucose, B-1-00254
- 5-Bromo-5-deoxyidose, B-1-00255
- 6-Bromo-6-deoxyidose, B-1-00256
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- 3-Bromo-3-deoxyxylose, B-1-00258
- 4-Bromo-4-deoxyxylose, B-1-00259
- 5-Bromo-5-deoxyxylose, B-1-00260
- 2-Bromo-2-deoxymannose, B-1-00261
- 6-Bromo-6-deoxymannose, B-1-00262
- 1-Bromo-1-deoxy psicose, B-1-00263
- 2-Bromo-2-deoxyribose, B-1-00264
- 5-Bromo-5-deoxyribose, B-1-00265
- 6-Bromo-6-deoxysorbose, B-1-00266
- 4-Bromo-4-deoxytagatose, B-1-00267
- 4-Bromo-4-deoxytalose, B-1-00268
- 6-Bromo-6-deoxytalose, B-1-00269
- 2-Bromo-2-deoxyxylose, B-1-00270
- 3-Bromo-3-deoxyxylose, B-1-00271
- 4-Bromo-4-deoxyxylose, B-1-00272
- 5-Bromo-5-deoxyxylose, B-1-00273
- 1-Bromo-3,5-di-*tert*-butylbenzene, B-1-00274
- 2-Bromo-1,3-di-*tert*-butylbenzene, B-1-00275
- 2-Bromo-1,4-di-*tert*-butylbenzene, B-1-00276
- 4-Bromo-2,5-dichlorophenyl dimethyl phosphate, *see* B-1-00405
- ▶ 1-[[4-Bromo-2-(2,4-dichlorophenyl)tetrahydro-2-furanyl]methyl]-1*H*-1,2,4-triazole, *see* B-1-00406
- ▶ 1-[4-Bromo-2-(2,4-dichlorophenyl)tetrahydrofurfuryl]-1*H*-1,2,4-triazole, *see* B-1-00406
- 2-Bromo-1,3-dicyanobenzene, *in* B-1-00225
- 2-Bromo-2,6-dideoxytalopyranosyl bromide, B-1-00277
- 4-Bromo-2,6-difluoroanisole, *in* B-1-00279
- 4-Bromo-4,4-difluorobutanoic acid, B-1-00278
- 5-Bromo-1,3-difluoro-2-methoxybenzene, *in* B-1-00279
- 4-Bromo-2,6-difluorophenol, B-1-00279
- 3-Bromo-3,3-difluoropropene, B-1-00280
- 1-Bromo-2,3-dihydro-1*H*-benz[f]indene, B-1-00281
- 7-Bromo-1,1-dimethoxyheptane, *in* B-1-00298
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- 2-Bromo-3,3-dimethyl-1-butene, B-1-00282
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- 2-Bromo-4,4-diphenyl-2-cyclohexene-1-one, B-1-00283
- 6-Bromo-4,4-diphenyl-2-cyclohexen-1-one, B-1-00284
- 2-Bromodiphenyl ether, B-1-00285
- 3-Bromodiphenyl ether, B-1-00286
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- 2-Bromoethyl (4-chlorophenyl)phenylphosphinate, *in* C-1-00154
- (2-Bromoethyl)dimethylsulfonium(1+), B-1-00293
- 3-Bromo-2-ethyl-1-propanol, *see* B-1-00318
- 2-Bromo-4'-fluoroacetophenone, B-1-00294
- 2'-Bromo-4'-fluoroacetophenone, B-1-00295
- 1-(2-Bromo-4-fluorophenyl)ethanone, *see* B-1-00295
- 2-Bromo-1-(4-fluorophenyl)ethanone, *see* B-1-00294
- 2-Bromo-4-formylfuran, *see* B-1-00296
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- 5-Bromo-3-furancarboxaldehyde, B-1-00296
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- 1-(4-Bromo-2-furanyl)ethanone, *see* A-1-00015
- 1-(5-Bromo-2-furanyl)ethanone, *see* A-1-00016
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- 3-Bromo-2-furyl methyl ketone, *see* A-1-00014
- 5-Bromo-2-furyl methyl ketone, *see* A-1-00016
- ▶ 1-Bromo-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane, B-1-00297
- 7-Bromoheptanal, B-1-00298
- 7-Bromo-2-heptanone, B-1-00299
- (7-Bromoheptyl)benzene, *see* B-1-00376
- 5-Bromo- $\alpha,\alpha,\alpha,\alpha,\alpha',\alpha'$ -hexafluoro-*m*-xylene, *see* B-1-00231
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- 1-Bromo-2-(hydroxymethyl)naphthalene, *see* B-1-00350
- 3-Bromo-2-(hydroxymethyl)naphthalene, *see* B-1-00351
- 3-Bromo-6-hydroxy-2-methylpyridine, B-1-00301
- 2-Bromo-1*H*-inden-1-one, B-1-00302
- 3-Bromo-1*H*-inden-1-one, B-1-00303
- 6-Bromo-1*H*-indole-3-acetamide, *in* B-1-00304
- 6-Bromo-1*H*-indole-3-acetic acid, B-1-00304
- 6-Bromo-1*H*-indole-3-acetonitrile, *in* B-1-00304
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- 3'-Bromo-2-iodobiphenyl, B-1-00306
- 2-Bromo-3-iodothiophene, B-1-00307
- 2-Bromo-4-iodothiophene, B-1-00308
- 2-Bromo-5-iodothiophene, B-1-00309
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- 4-Bromo-2-iodothiophene, B-1-00312
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- 3-Bromo-6-methoxy-2-methylpyridine, *in* B-1-00301
- 1-Bromo-2-(methoxyphenylmethyl)benzene, *in* B-1-00290
- 5-(Bromomethyl)-1,3-benzodioxole, B-1-00313
- 2-(Bromomethyl)benzotrifluoride, *see* B-1-00347
- 3-(Bromomethyl)benzotrifluoride, *see* B-1-00348
- 4-(Bromomethyl)benzotrifluoride, *see* B-1-00349
- 1-Bromo-3-methylbicyclo[1.1.1]pentane, B-1-00314
- 3-Bromo-2-methyl-1,1'-biphenyl, B-1-00315
- 5-(Bromomethyl)-2,2'-bipyridine, B-1-00316
- 6-(Bromomethyl)-2,2'-bipyridine, B-1-00317
- 2-(Bromomethyl)-1-butanol, B-1-00318
- 3-Bromo-3-methyl-2-butanone, B-1-00319
- 2-(Bromomethyl)-1-chloro-3-nitrobenzene, B-1-00320
- 3-Bromo-4-methyl-3-cyclobutene-1,2-dione, B-1-00321
- 1-Bromo-1-methylcyclohexane, B-1-00322
- 1-Bromo-2-methylcyclohexane, B-1-00323
- 1-Bromo-3-methylcyclohexane, B-1-00324
- 1-Bromo-4-methylcyclohexane, B-1-00325
- 1,1'-(2-Bromo-2-methylcyclopropylidene)bisbenzene, *see* B-1-00326

- 1-Bromo-1-methyl-2,2-diphenylcyclopropane, B-1-00326
 4-Bromo-4-methyl-3,5-diphenyl-4*H*-pyrazole, B-1-00327
 1-Bromo-4-methyleneadamantane, B-1-00328
 4-Bromo-5-methylene-2(5*H*)-furanone, B-1-00329
 1-Bromo-4-methylenetricyclo[3.3.1.1^{3,7}]decane, *see* B-1-00328
 ▶ 2-Bromo-3-methylfuran, B-1-00330
 2-Bromo-4-methylfuran, B-1-00331
 3-Bromo-2-methylfuran, B-1-00332
 4-Bromo-2-methylfuran, B-1-00333
 4-Bromo-5-methyl-2(5*H*)-furanone, B-1-00334
 2-Bromo-3-methyl-1*H*-indole, B-1-00335
 3-Bromo-2-methyl-1*H*-indole, B-1-00336
 4-Bromo-2-methyl-1*H*-indole, B-1-00337
 5-Bromo-2-methyl-1*H*-indole, B-1-00338
 5-Bromo-3-methyl-1*H*-indole, B-1-00339
 5-Bromo-7-methyl-1*H*-indole, B-1-00340
 6-Bromo-2-methyl-1*H*-indole, B-1-00341
 7-Bromo-5-methyl-1*H*-indole, B-1-00342
 5-Bromo-6-methylisocytosine, *see* A-1-00070
 5-Bromo-2-methyl-2-pentene, B-1-00343
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 (Bromomethyl)phosphonous diamide, B-1-00344
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 5-Bromo-6-methyl-2(1*H*)-pyridinone, *see* B-1-00301
 2-(Bromomethyl)tetrahydro-2*H*-pyran, B-1-00345
P-(Bromomethyl)-*N,N,N',N'*-tetraisopropylphosphonous diamide, *in* B-1-00344
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 1-(Bromomethyl)-3-(trifluoromethyl)benzene, B-1-00348
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 3-Bromo-2-naphthalenemethanol, B-1-00351
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 3-Bromo-5-nitro-2-naphthylamine, B-1-00353
 3-Bromo-8-nitro-2-naphthylamine, B-1-00354
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 9-Bromo-1-nonanol, B-1-00358
 9-Bromo-1-nonene, B-1-00359
 3-Bromonoradamantane, *see* B-1-00400
 6-Bromonorleucine, *see* A-1-00069
 3*α*-Bromooctahydro-2,5-methanopentalene, *see* B-1-00400
 8-Bromooctanal, B-1-00360
 4-Bromo-4-octene, B-1-00361
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 6-Bromooxazolo[4,5-*b*]pyridin-2(3*H*)-one, B-1-00363
 1-Bromo-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane, B-1-00364
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 3-Bromo-2-pentanol, B-1-00368
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 3-Bromo-2-pentanone, B-1-00373
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 1-Bromo-3-(phenylmethyl)benzene, *see* B-1-00289
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 2-Chloro-2-deoxylyxose, C-1-00050
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 4-Chloro-4-deoxyxylose, C-1-00061
 5-Chloro-5-deoxyxylose, C-1-00062
 2-Chloro-5*H*-dibenz[*b,f*]azepine, C-1-00063
 3-Chloro-5*H*-dibenz[*b,f*]azepine, C-1-00064
 10-Chloro-5*H*-dibenz[*b,f*]azepine, C-1-00065
 1-Chloro-2,4-di-*tert*-butylbenzene, C-1-00066
 1-Chloro-3,5-di-*tert*-butylbenzene, C-1-00067
 2-Chloro-1,3-di-*tert*-butylbenzene, C-1-00068
 5-Chloro-2,3-dicyanopyrazine, *in* C-1-00160
 5-Chloro-2',3'-didehydro-2',3'-dideoxycytidine, C-1-00069
 5-Chloro-2',3'-didehydro-2',3'-dideoxyuridine, C-1-00070
 5-Chloro-2',3'-dideoxycytidine, C-1-00071
 5-Chloro-2',3'-dideoxy-3'-fluorocytidine, C-1-00072
 5-Chloro-2',3'-dideoxy-3'-fluorouridine, C-1-00073
 2-Chloro-2,6-dideoxylatopyranosyl chloride, C-1-00074
 3-Chloro-4-(diethylamino)-3-cyclobutene-1,2-dione, *in* A-1-00074
 2-Chloro-3,4-difluorobenzoic acid, C-1-00075
 3-Chloro-2,4-difluorobenzoic acid, C-1-00076
 2-Chloro-2,3-dihydro-1,4,2-benzodioxaphosphorin, C-1-00077
 3-Chloro-11,12-dihydroindolo[2,3-*a*]carbazole, C-1-00078
 6-Chloro-1,3-dihydro-2*H*-indol-2-one, C-1-00079
 2-Chloro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid, *see* C-1-00108
 6-Chloro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid, *see* C-1-00109
 7-Chloro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid, *see* C-1-00110
 8-Chloro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid, *see* C-1-00111
 9-Chloro-2,7-dihydroxyacridine, C-1-00080
 4-Chloro-3,5-dihydroxybenzaldehyde, C-1-00081
 1-Chloro-2,4-diiodobenzene, C-1-00082
 1-Chloro-3,5-diiodobenzene, C-1-00083
 2-Chloro-1,3-diiodobenzene, C-1-00084
 2-Chloro-1,4-diiodobenzene, C-1-00085
 4-Chloro-1,2-diiodobenzene, C-1-00086
 4-Chloro-3,5-dimethoxybenzaldehyde, *in* C-1-00081
 3-Chloro-4-(dimethylamino)-3-cyclobutene-1,2-dione, *in* A-1-00074
 1-Chloro-4-(1,1-dimethylethyl)cyclohexane, *see* B-1-00414
 2-Chloro-4,6-dimethyl-1,3,5-triazine, C-1-00087
 2-Chloro-3,5-dinitrobenzotrifluoride, *see* C-1-00088
 2-Chloro-1,5-dinitro-3-(trifluoromethyl)benzene, C-1-00088
 2-Chlorodiphenylmethanol, C-1-00089
 3-Chlorodiphenylmethanol, C-1-00090
 1-Chloro-2,3-diphenyl-1*H*-phosphirene, C-1-00091
 2-[(2-Chloroethyl)amino]benzoic acid, C-1-00092
 4-[(2-Chloroethyl)amino]benzoic acid, C-1-00093
N-(2-Chloroethyl)anthranilic acid, *see* C-1-00092
 Chloroethyl(2-isopropyl-5-methylcyclohexyl)phosphine, *see* E-1-00017
 Chloroethylmethylphosphine, *in* E-1-00017
 (Chloroethynyl)phosphonic acid, C-1-00094
 2'-Chloro-4'-fluoroacetophenone, C-1-00095
 3'-Chloro-4'-fluoroacetophenone, C-1-00096
 2-Chloro-3-fluorobenzoic acid, C-1-00097
 1-(2-Chloro-4-fluorophenyl)ethanone, *see* C-1-00095
 1-(3-Chloro-4-fluorophenyl)ethanone, *see* C-1-00096
 2-Chloro-3-formylfuran, *see* C-1-00098
 2-Chloro-5-formylfuran, *see* C-1-00100
 4-Chloro-2-formylfuran, *see* C-1-00099
 2-Chloro-4-formylpyridine, *see* C-1-00161
 2-Chloro-5-formylpyridine, *see* C-1-00163
 4-Chloro-2-formylpyridine, *see* C-1-00162

- Cicloxicilic acid, *see* H-1-00169
 Cimepanol, *see* C-1-00203
 Cistanoside F, *in* R-1-00002
 Cistanoside I, *in* R-1-00002
 CJ 91B, *see* O-1-00030
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 Coixinden A, *in* H-1-00101
 Colfosceril palmitate, *see* G-1-00006
 ► Compacsul, *see* T-1-00232
 Conduramine A₁, *in* A-1-00093
 Conduramine C₁, *in* A-1-00093
 Conduramine C₄, *in* A-1-00093
 Conduramine F₁, *in* A-1-00093
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 Conduritol B epoxide, *in* E-1-00006
 Conduritol C *cis*-epoxide, *in* E-1-00006
 Conduritol C *trans*-epoxide, *in* E-1-00006
 Conduritol E epoxide, *in* E-1-00006
 Cortienic acid, *in* D-1-00349
 Coryhumolide, *see* M-1-00067
 ► Cospanon, *see* T-1-00232
 Coumarin 6, *see* B-1-00029
 Coumarin 314, *see* E-1-00026
 Coumarin 503, *in* A-1-00184
 Coumarin 540, *in* B-1-00029
 Crabescsein, C-1-00175
 36-Crown-12, C-1-00176
 42-Crown-14, C-1-00177
 48-Crown-16, C-1-00178
 60-Crown-20, C-1-00179
 Cruentol, *in* M-1-00098
 1,4-Cubanedicarboxaldehyde, C-1-00180
 Cubylacetylene, *see* E-1-00037
o-Cumenethiol, *see* I-1-00072
p-Cumenethiol, *see* I-1-00073
 Cyanoacetic acid isopropylidenehydrazide, *see* C-1-00184
 Cyanoacetic acid 1-methylethylidene hydrazide, *see* C-1-00184
 3-Cyano-1-aza-2(1*H*)-azulenone, *in* D-1-00318
 1-Cyano-2-cyclohexylethylene, *in* C-1-00207
 Cyanodifluorophenylmethane, *in* D-1-00248
 α -Cyano- α,α -difluorotoluene, *in* D-1-00248
 2-Cyano-1,1-dimethoxyethylene, *see* D-1-00368
 2-Cyano-1,1-dimethylcyclopentane, *in* D-1-00387
 3-Cyano-1,5-diphenylformazan, *in* D-1-00499
 3-Cyano-2,5-diphenylpyridine, *in* D-1-00515
 2-Cyano-3,5-diphenylpyrrole, *in* D-1-00519
 3-Cyano-2,4-diphenylpyrrole, *in* D-1-00516
 3-Cyano-2,5-diphenylpyrrole, *in* D-1-00517
 4-Cyano-2,3-diphenylpyrrole, *in* D-1-00520
 Cyanodithioformic acid, C-1-00181
 ► Cyanoethane, *in* P-1-00131
 2-Cyano-3-ethyl-2-pentenoic acid, *in* E-1-00025
 1-(2-Cyanoethyl)-1*H*-pyrrole, *in* P-1-00181
 1-Cyano-1-fluoroethane, *in* F-1-00054
 1-Cyano-5-hydroxy-1-cyclopentene, *in* H-1-00076
 2-Cyano-1-indanone, *in* O-1-00046
 1-Cyanoindolizine, *in* I-1-00015
 2-Cyanoindolizine, *in* I-1-00016
 3-Cyanoindolizine, *in* I-1-00017
 8-Cyanoindolizine, *in* I-1-00018
 Cyanoisocyanomethane, *see* I-1-00068
 3-Cyanoisothiazole, *in* I-1-00088
 4-Cyanoisothiazole, *in* I-1-00089
 5-Cyanoisothiazole, *in* I-1-00090
 3-(Cyanomethyl)cyclohexene, *in* C-1-00196
 4-(Cyanomethyl)cyclohexene, *in* C-1-00197
 3-(Cyanomethyl)furan, *in* F-1-00072
 1-Cyano-3-methylisoquinoline, *in* M-1-00080
 4-Cyano-1-methylisoquinoline, *in* M-1-00079
 2-Cyano-2-methylpentane, *in* D-1-00452
 4-Cyano-2-methylpyrimidine, *in* M-1-00128
 2-(Cyanomethyl)tetrahydrofuran, *in* T-1-00036
 2-(Cyanomethyl)tetrahydropyran, *in* T-1-00051
 1-(Cyanomethyl)xanthone, *in* O-1-00056
 2-(Cyanomethyl)xanthone, *in* O-1-00057
 3-(Cyanomethyl)xanthone, *in* O-1-00058
 Cyanonitroacetic acid, C-1-00182
 1-Cyano-4-nitroisoquinoline, *in* N-1-00019
 5-Cyano-2-oxazolidinone, *in* O-1-00048
 1-Cyano[2.2]paracyclophane, *in* P-1-00002
 4-Cyano[2.2]paracyclophane, *in* P-1-00003
 ► α -Cyano-3-phenoxybenzyl 2-(4-difluoromethoxyphenyl)-3-methylbutyrate, *see* F-1-00001
 ► Cyano(3-phenoxyphenyl)methyl 4-(difluoromethoxy)- α -(1-methylethyl)benzeneacetate, *see* F-1-00001
 4-Cyano-1-phenylisoquinoline, *in* P-1-00079
 4-Cyano-3-phenylisoquinoline, *in* P-1-00080
 2-(2-Cyanophenyl)oxirane, *in* O-1-00036
 (4-Cyanophenyl)oxirane, *in* O-1-00037
 1-Cyanopyrrolidine, *in* P-1-00186
m-Cyanostyrene oxide, *in* O-1-00036
p-Cyanostyrene oxide, *in* O-1-00037
 2-Cyano-3,4,5,6-tetrafluoroaniline, *in* A-1-00208
P-Cyano-*N,N,N',N'*-tetrakispropylphosphonous diamide, C-1-00183
P-Cyano-*N,N,N',N'*-tetrakis(1-methylethyl)phosphonous diamide, *see* C-1-00183
 2-Cyanothiomorpholine, *in* T-1-00134
 1-Cyanotridecafluorohexane, *in* T-1-00178
 1-Cyano-3-undecanone, *in* O-1-00044
 5-Cyanouridine, *in* U-1-00007
 Cyazone, C-1-00184
 ► Cybolt, *see* F-1-00001
 Cyclal C, *see* D-1-00386
 Cyclic CMP, C-1-00185
 Cyclic 3',5'-cytidylic acid, *see* C-1-00185
 Cyclic 3',5'-thymidylic acid, *see* C-1-00186
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 Cyclo(alanylphenylglycine), *see* M-1-00108
 Cyclobis(paraquat-*p*-phenylene), *see* T-1-00002
 1,3-Cyclobutanediacetic acid, C-1-00188
 1,3-Cyclobutanedipropanoic acid, C-1-00189
 1-Cyclobuten-1-ylbenzene, *see* P-1-00058
 Cyclobutylmethyl chloride, *see* C-1-00116
 Cyclo[18]carbon, *see* C-1-00211
 β -Cyclocitral, *see* T-1-00239
 Cyclocreatine, C-1-00190
 Cycloclodihyromyrcene, *see* T-1-00080
 ► Cyclodisone, *in* D-1-00490
 Cycloidiurea, *see* H-1-00044
 11*H*-Cyclohepta[*b*]indeno[2,1-*d*]pyrrole, C-1-00191
 1,2-Cycloheptanedicarboxylic acid, C-1-00192
 2-Cycloheptimidazolol, *see* C-1-00193
 2(1*H*)-Cycloheptimidazolone, C-1-00193
 ► 2,4-Cyclohexadien-1-ol, C-1-00194
 Cyclohexaneacrylic acid, *see* C-1-00207
 1,3-Cyclohexanedimethanol, C-1-00195
 2-Cyclohexene-1-acetic acid, C-1-00196
 3-Cyclohexene-1-acetic acid, C-1-00197
 Cyclohexylalaninol, *see* A-1-00094
 2-Cyclohexylaniline, C-1-00198
 3-Cyclohexylaniline, C-1-00199
 4-Cyclohexylaniline, C-1-00200
 ► Cyclohexyl hydroperoxide, C-1-00201
 1-Cyclohexyl-2-hydroxyethanone, C-1-00202
 (Cyclohexylmethyl)benzene, *see* B-1-00063
 1-Cyclohexyl-2-methyl-1-propanol, C-1-00203
 Cyclohexyl nitrate, C-1-00204
N-(4-Cyclohexylphenyl)acetamide, *in* C-1-00200
 Cyclohexylphenylmethane, *see* B-1-00063
 Cyclohexyl phenyl sulfide, C-1-00205
 Cyclohexyl phenyl sulfone, *in* C-1-00205
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 3-Cyclohexyl-2-propenoic acid, C-1-00207
 (Cyclohexylsulfanyl)benzene, *see* C-1-00206
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 (Cyclohexylthio)benzene, *see* C-1-00205
 Cyclo(histidylhistidyl), C-1-00208
 2-(2,4,6,8-Cyclononatetraen-1-ylidene)-1,3-dithiole, C-1-00209
 2-Cyclononyl-1-one, C-1-00210
 Cyclooctadecanonayne, C-1-00211
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 1,3,25,27,49,51,73,75,97,99,121,123,145,147,169,171,193,195,217,241,243,265,267-Cyclooctaoctadecaheptacosayne, C-1-00212
 5,5'-(1,3-Cyclopentadiene-1,2-diyl)bis[1,3-diphenyl-1*H*-tetrazolium](1+), C-1-00213
 5,5'-(1,3-Cyclopentadiene-1,3-diyl)bis[1,3-diphenyl-1*H*-tetrazolium](1+), C-1-00214
 11*H*-Cyclopenta[*e*]indeno[1,2-*b*]azepine, C-1-00215
 Cyclopenta[*c*]pyridine, *see* P-1-00180
 3-Cyclopenten-1-amine, C-1-00216
 4-Cyclopentene-1,2,3-triol, C-1-00217
 1-Cyclopentylbutane, *see* B-1-00415
 1-Cyclopentylheptane, *see* H-1-00018
 1-Cyclopentylhexane, *see* H-1-00049
 Cyclophellitol, C-1-00218
 Cycloprofen, *see* F-1-00006
 1*H*-Cyclopropa[*b*]naphthalene-3,6-dione, C-1-00219
 1,1-Cyclopropanediol, C-1-00220
 Cyclopropanone hydrate, *see* C-1-00220
 [μ_2 -[1-Cyclopropanyl-2-ylidene]tris(diphenylphosphine)-*P*:*P'*:*P''*]nonahydrotriboron], *in* T-1-00273
 α -Cyclopropylbenzenemethanol, *see* C-1-00223
 α -Cyclopropylbenzyl alcohol, *see* C-1-00223
 Cyclopropylcubane, C-1-00221
 1,1'-[Cyclopropylidenebis(sulfonyl)]bisbenzene, *see* B-1-00198
 1-Cyclopropyl-4-iodocubane, C-1-00222
 1-Cyclopropyl-4-iodopentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]octane, *see* C-1-00222
 Cyclopropylmethoxyphenylmethane, *in* C-1-00223
 α -Cyclopropyl- α -methylcyclopropanemethanol, *see* D-1-00211
 Cyclopropylpentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]octane, *see* C-1-00221
 Cyclopropylphenylcarbinol, *see* C-1-00223
 Cyclopropylphenylmethanol, C-1-00223
 1-Cyclopropyl-2-ylidene[tris(diphenylphosphine)], *see* T-1-00273
*O*²:3'-Cyclothyridine, *see* A-1-00234
 Cystamidin A, *in* P-1-00183
 ► Cythrin, *see* F-1-00001
 Cytidine cyclic 3',5'-(hydrogen phosphate), *see* C-1-00185
 Danosteine, *see* C-1-00006
 ► DAPA, *in* D-1-00227
 Dascocide 9, *see* B-1-00174
 Dazoquinast, *see* I-1-00010
 DBTTF, *see* D-1-00129
 9-Deazaadenosine, D-1-00001
 5-Deazapterin, *see* A-1-00151
 Debropol, *see* B-1-00355
 Decacantane, *see* H-1-00001
 3,8-Decadiyn-1-ol, D-1-00002
 Decafluorobiphenyl, D-1-00003
 Decafluorodiethyl ether, *see* B-1-00189
 1,1*a*,3*a*,3*b*,5*a*,5*b*,6,6*a*,6*b*,6*c*-Decahydrocyclopenta[*cd*]pentaleno[2,1,6-*gha*]pentalene, *see* P-1-00009
 Decahydro-1,4-naphthalenediamine, D-1-00004
 Decahydro-1,5-naphthalenediamine, D-1-00005
 Decahydro-2,3-naphthalenediamine, D-1-00006
 Decahydro-2,7-naphthalenediamine, D-1-00007
 1,4-Decalindiamine, *see* D-1-00004
 1,5-Decalindiamine, *see* D-1-00005
 2,3-Decalindiamine, *see* D-1-00006
 2,7-Decalindiamine, *see* D-1-00007
 9,10-Decalindiamine, *see* O-1-00014
 9,10-Decalindiol, *see* O-1-00015
 9-Decalol, *see* O-1-00016
 1,9-Decanediol, D-1-00008
 2,4-Decanedione, D-1-00009
 4-Decenal, D-1-00010
 6-Decenoic acid, D-1-00011
 1-Decylnaphthalene, D-1-00012
 2-Decylnaphthalene, D-1-00013
 1,3-Dehydroadamantane, *see* T-1-00013

- Delmetacin, *in* M-1-00073
 ► Demetacin, *in* M-1-00073
 6-Deoxyallofuranosyl bromide, D-1-00014
 3-Deoxy-3-fluoroallose, D-1-00015
 1-(2-Deoxy-2-fluoro- β -D-arabinofuranosyl)-2,4(1*H*,3*H*)-pyrimidinedione, *see* D-1-00016
 1-(2-Deoxy-2-fluoro- β -D-arabinofuranosyl)uracil, D-1-00016
 2-Deoxy-2-fluoroarabinopyranosyl fluoride, D-1-00017
 2'-Deoxy-2'-fluoro-*ara*-aristeromycin, D-1-00018
 2'-Deoxy-2'-fluorocytidine, D-1-00019
 6-Deoxy-6-fluorofructose, D-1-00020
 2-Deoxy-2-fluorofucopyranosyl fluoride, D-1-00021
 2-Deoxy-2-fluorogalactopyranosyl fluoride, D-1-00022
 4-Deoxy-4-fluorogalactopyranosyl fluoride, D-1-00023
 2-Deoxy-2-fluoroglucopyranosyl fluoride, D-1-00024
 3-Deoxy-3-fluoroglucopyranosyl fluoride, D-1-00025
 4-Deoxy-4-fluoroglucopyranosyl fluoride, D-1-00026
 2'-Deoxy-2'-fluoroguanosine, D-1-00027
 3'-Deoxy-3'-fluoroguanosine, D-1-00028
 3-Deoxy-3-fluorogulose, D-1-00029
 3-Deoxy-3-fluoroidose, D-1-00030
 2-Deoxy-2-fluoroloxopyranosyl fluoride, D-1-00031
 2-Deoxy-2-fluoroloxose, D-1-00032
 2-Deoxy-2-fluoromannopyranosyl fluoride, D-1-00033
 3-Deoxy-3-fluoromannose, D-1-00034
 9-(3-Deoxy-3-fluoro- β -D-ribofuranosyl)guanaine, *see* D-1-00028
 2-Deoxy-2-fluororibopyranosyl fluoride, D-1-00035
 2-Deoxy-2-fluorotalopyranosyl fluoride, D-1-00036
 2-Deoxy-2-fluorotalose, D-1-00037
 2'-Deoxy-2'-fluorouridine, D-1-00038
 2-Deoxy-2-fluoroxypyranosyl fluoride, D-1-00039
 3-Deoxy-3-fluoroxypyranosyl fluoride, D-1-00040
 2-Deoxy-2-fluoroxylase, D-1-00041
 6-Deoxyglucopyranosyl chloride, D-1-00042
 3-Deoxy-3-iodoallose, D-1-00043
 5-Deoxy-5-iodoallose, D-1-00044
 6-Deoxy-6-iodoallose, D-1-00045
 2-Deoxy-2-iodoaltrose, D-1-00046
 3-Deoxy-3-iodoaltrose, D-1-00047
 6-Deoxy-6-iodoaltrose, D-1-00048
 2-Deoxy-2-iodoarabinose, D-1-00049
 3-Deoxy-3-iodoarabinose, D-1-00050
 5-Deoxy-5-iodoarabinose, D-1-00051
 4-Deoxy-4-iodofructose, D-1-00052
 6-Deoxy-6-iodofructose, D-1-00053
 3-Deoxy-3-iodogulose, D-1-00054
 6-Deoxy-6-iodogulose, D-1-00055
 2-Deoxy-2-iodoidose, D-1-00056
 6-Deoxy-6-iodoidose, D-1-00057
 2-Deoxy-2-iodoloxose, D-1-00058
 5-Deoxy-5-iodoloxose, D-1-00059
 2-Deoxy-2-iodomannose, D-1-00060
 6-Deoxy-6-iodomannose, D-1-00061
 1-Deoxy-1-iodopsicose, D-1-00062
 6-Deoxy-6-iodopsicose, D-1-00063
 2-Deoxy-2-iodoribose, D-1-00064
 3-Deoxy-3-iodoribose, D-1-00065
 5-Deoxy-5-iodoribose, D-1-00066
 1-Deoxy-1-iodosorbse, D-1-00067
 6-Deoxy-6-iodosorbse, D-1-00068
 2-Deoxy-2-iodotalose, D-1-00069
 5-Deoxy-5-iodotalose, D-1-00070
 2-Deoxy-2-iodoxylase, D-1-00071
 3-Deoxy-3-iodoxylase, D-1-00072
 4-Deoxy-4-iodoxylase, D-1-00073
 5-Deoxy-5-iodoxylase, D-1-00074
 α -Deoxykojic acid, *see* H-1-00126
 6-Deoxymannofuranosyl chloride, *see* R-1-00001
 3-*O*-(6-Deoxy- α -L-mannopyranosyl)-D-glucose, *see* R-1-00002
 5-(2-Deoxy- β -D-erythro-pentofuranosyl)-2,4(1*H*,3*H*)-pyrimidinedione, *see* D-1-00075
 2'-Deoxypseudouridine, D-1-00075
 6-Deoxytalofuranosyl bromide, D-1-00076
 2'-Deoxy-4'-thiocytidine, D-1-00077
 2'-Deoxy-4'-thiouridine, D-1-00078
 2'-Deoxy- ψ -uridine, *see* D-1-00075
 8-Desaminobatracylin, *see* I-1-00069
 Diacenaphtho[3,2,1,8-*cdefg*:3',2',1',8'-*lmnp*]chrysene, D-1-00079
 4,4'-Diacetyldiphenyl ether, *see* B-1-00117
 4,4'-Diacetyldiphenyl sulfide, *see* B-1-00118
 Diacholestane, D-1-00080
 2,2'-Diadamantyl ketone, *see* B-1-00079
 Di-1-adamantylmethylphosphine, D-1-00081
 Di-1-adamantyl(methyl)phosphonium iodide, *in* D-1-00082
 Di-1-adamantylphosphine, D-1-00082
 1,3-Diallylurea, *see* D-1-00526
 2,4-Diamino-2-benzylbutanoic acid, D-1-00083
 2,4-Diamino-6-benzyl-1,3,5-triazine, D-1-00084
 3,5-Diamino-4-bromo-1*H*-pyrazole, D-1-00085
 1,4-Diaminobutane-*N,N'*-dipropanoic acid, *see* S-1-00003
 1,4-Diamino-2-butanone, D-1-00086
 2,3-Diamino-4-chloropyridine, D-1-00087
 2,3-Diamino-5-chloropyridine, D-1-00088
 2,3-Diamino-6-chloropyridine, D-1-00089
 2,6-Diamino-4-chloropyridine, D-1-00090
 3,4-Diamino-2-chloropyridine, D-1-00091
 3,5-Diamino-2-chloropyridine, D-1-00092
 4,5-Diamino-2-chloropyridine, D-1-00093
 1,4-Diaminodecalin, *see* D-1-00004
 1,5-Diaminodecalin, *see* D-1-00005
 2,3-Diaminodecalin, *see* D-1-00006
 2,7-Diaminodecalin, *see* D-1-00007
 9,10-Diaminodecalin, *see* O-1-00014
 2',3'-Diamino-2',3'-dideoxyadenosine, D-1-00094
 2,4-Diamino-2,4-dideoxyarabinose, D-1-00095
 2,3-Diamino-2,3-dideoxyidose, D-1-00096
 2,4-Diamino-2,4-dideoxyidose, D-1-00097
 2,6-Diamino-2,6-dideoxyidose, D-1-00098
 2,3-Diamino-2,3-dideoxymannose, D-1-00099
 9-(2,3-Diamino-2,3-dideoxy- β -D-ribofuranosyl)adenine, *see* D-1-00094
 2,5-Diamino-2,5-dideoxyribose, D-1-00100
 2,3-Diamino-2,3-dideoxyxylase, D-1-00101
 2,5-Diamino-2,5-dideoxyxylase, D-1-00102
 3,6-Diamino-1,5-dihydro-1- β -D-ribofuranosyl-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one, D-1-00103
 Diaminofurazan, D-1-00104
 4,5-Diamino-2-iminoimidazoline, D-1-00105
 3-(Diaminophosphinoyl)-*p*-menthane, D-1-00106
 2,3-Diaminoquinoxaline, D-1-00107
 1,2-Diamino-3,4,5,6-tetrachlorobenzene, *see* T-1-00008
 2,3-Diamino-2,3,6-trideoxygulose, D-1-00108
 2,3-Diamino-2,3,6-trideoxyidose, D-1-00109
 2,4-Diamino-2,4,6-trideoxyidose, D-1-00110
 Diamino(trifluoromethyl)phosphine, *see* T-1-00211
 Diammonium cyano-*aci*-nitroacetate, *in* C-1-00182
 2,5,3,4-Dianhydroaltritol, D-1-00111
 1,2-Di-9-anthracenyl-2-hydroxyethanone, *see* A-1-00237
 1,4-Diazabicyclo[3.2.2]nonan-3-one, D-1-00112
 4,9-Diazadodecanedioic acid, *see* S-1-00003
 1,20-Diaza-9,17,28,31,45,48-hexaoxonanacyclo [18.18.18.0^{3,8}.0^{13,18}.0^{22,27}.0^{32,37}.0^{39,44}.0^{49,54}]hexatetraconta-3,5,7,13,15,17,22,24,26,32,34,36,39,41,43,49,51,53-octadecaene, D-1-00113
 1,4,2-Diazaphospholol[4,5-*d*]pyridine, D-1-00114
 2',3'-Diazido-2',3'-dideoxyadenosine, D-1-00115
 9-(2,3-Diazido-2,3-dideoxy- β -D-ribofuranosyl)adenine, *see* D-1-00115
 3-Diazo-2-butanone, D-1-00116
 Diazo(diethoxyphosphinyl)acetamide, *in* D-1-00117
 Diazo(diethoxyphosphinyl)acetic acid, D-1-00117
 Diazo(diethoxyphosphinyl)acetonitrile, *in* D-1-00117
 Diazo(dimethoxyphosphinyl)acetic acid, D-1-00118
 Diazo(dimethoxyphosphinyl)acetonitrile, *in* D-1-00118
 Diazoformylacetic acid, D-1-00119
 Diazomethanebisphosphonic acid, *see* D-1-00120
 (Diazomethylene)bisphosphonic acid, D-1-00120
 (Diazomethylene)bis(phosphonous bis(diisopropylamide)), *in* D-1-00121
P-(Diazomethylene)bis(phosphonous diamide), D-1-00121
P-(Diazomethylene)-*N,N,N',N'',N''',N''''*-octacyclohexylbis(phosphonous diamide), *in* D-1-00121
P-(Diazomethylene)-*N,N,N',N'',N'',N''',N''''*-octaisopropylbis(phosphonous diamide), *in* D-1-00121
 (Diazomethyl)phenylphosphinic acid, D-1-00122
 (Diazomethyl)phosphonous bis(diisopropylamide), *in* D-1-00123
P-(Diazomethyl)phosphonous diamide, D-1-00123
P-(Diazomethyl)-*N,N,N',N''*-tetraisopropylphosphonous diamide, *in* D-1-00123
 5,12:6,11-Di[1,2]benzenodibenzo[*a,e*]cyclooctene monoepoxide, *see* D-1-00124
 1*a*,6[1',2']*7*,11*b*[1'',2'']-Dibenzenodibenzo[3,4:7,8]cyclooct[1,2-*b*]oxirene, D-1-00124
 Dibenzo-22-crown-6, D-1-00125
 Dibenzo[*a,d*]cycloocten-12(5*H*)-one, D-1-00126
 Dibenzo[*b,j*]dipyrrolo[4,3,2-*de*:2',3',4'-*gh*][1,10]phenanthroline, D-1-00127
 2,3;6,7-Dibenzofluorenone, *see* D-1-00128
 12*H*-Dibenzo[*b,h*]fluorene-12-one, D-1-00128
 6*H*-Dibenzo[*b,d*]pyran-6-ol, *see* H-1-00065
 Dibenzo[*cd,mn*]pyrenediyl, *see* T-1-00143
 Dibenzotetrafulvalene, D-1-00129
 2,2'-Dibenzoylbiphenyl, D-1-00130
 4,4'-Dibenzoylbiphenyl, D-1-00131
 (Dibenzoylmethyl)triphenylphosphonium, *see* B-1-00052
 Dibenzyl carbonate, D-1-00132
 2,3-Dibenzylloxirane, D-1-00133
 Dibenzyl (phenylacetyl)phosphonate, *in* P-1-00041
 2,7-Dibromoacridine, D-1-00134
 2,5-Dibromobenzenemethanol, *see* D-1-00136
 3,5-Dibromobenzenemethanol, *see* D-1-00138
 2,4-Dibromobenzyl alcohol, D-1-00135
 2,5-Dibromobenzyl alcohol, D-1-00136
 2,6-Dibromobenzyl alcohol, D-1-00137
 3,5-Dibromobenzyl alcohol, D-1-00138
 Dibromobis(2-bromoethyl)(*T*-4)selenium, *in* B-1-00124
 1,1-Dibromo-2,2-bis(trifluoromethyl)ethylene, *see* D-1-00164
 5,5'-Dibromo-2,2'-bithiophene, D-1-00139
 2,4-Dibromo-2-buten-1-ol, D-1-00140
 1,4-Dibromo-1,4-cyclohexanedicarboxylic acid, D-1-00141
 1,4-Dibromo-1,4-dicyanobenzene, *in* D-1-00141
 1,3-Dibromo-4,6-dicyanothieno[3,4-*c*]thiophene, D-1-00142
 2,2'-Dibromodiethyl selenide, *see* B-1-00124
 2,2-Dibromo-2,3-dihydro-1*H*-inden-1-one, *see* D-1-00149
 2,7-Dibromo-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00143
 5,6-Dibromo-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00144
 5,7-Dibromo-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00145
 6,7-Dibromo-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00146

- α,α -Dibromo-*m*-fluorotoluene, *see* D-1-00152
 α,α -Dibromo-*p*-fluorotoluene, *see* D-1-00153
2,2-Dibromoheptane, D-1-00147
3,5-Dibromo-4-hydroxyacetophenone, D-1-00148
2,2-Dibromo-1-indanone, D-1-00149
3',5'-Dibromo-4'-methoxyacetophenone, *in* D-1-00148
2,4-Dibromo-1-methoxy-2-butene, *in* D-1-00140
9-(Dibromomethylene)-1,3,5,7-cyclononatetraene, D-1-00150
3-(Dibromomethylene)-1,4-pentadiyne, D-1-00151
1-(Dibromomethyl)-3-fluorobenzene, D-1-00152
1-(Dibromomethyl)-4-fluorobenzene, D-1-00153
3-(Dibromomethylidene)-1,4-pentadiyne, *see* D-1-00151
4,6-Dibromo-2-methylthio-1*H*-indole, D-1-00154
10,10-Dibromononafulvene, *see* D-1-00150
4,4-Dibromooctane, D-1-00155
1,2-Dibromo-1-phenyl-1-propene, D-1-00156
3,3-Dibromo-2-piperidinone, D-1-00157
(1,2-Dibromo-1-propenyl)benzene, *see* D-1-00156
2,2'-Dibromo-1,1':4',1''-terphenyl, D-1-00158
3,3''-Dibromo-1,1':4',1''-terphenyl, D-1-00159
4,4''-Dibromo-1,1':4',1''-terphenyl, D-1-00160
6,6''-Dibromo-2,2':6',2''-terpyridine, D-1-00161
5,5''-Dibromo-2,2':5',2''-terthiophene, D-1-00162
2,7-Dibromo-1-tetralone, *see* D-1-00143
5,6-Dibromo-1-tetralone, *see* D-1-00144
5,7-Dibromo-1-tetralone, *see* D-1-00145
6,7-Dibromo-1-tetralone, *see* D-1-00146
1,3-Dibromothieno[3,4-*c*]thiophene-5-*S*^{IV}, 4,6-dicarbonitrile, *see* D-1-00142
1,1-Dibromo-3,3,3-trifluoropropene, D-1-00163
1,1-Dibromo-3,3,3-trifluoro-2-(trifluoromethyl)propene, D-1-00164
Dibromovinylphosphine, *see* V-1-00005
Dibutoxymethane, D-1-00165
4-[[Di(*tert*-butoxy)phosphinyl]methyl]benzaldehyde, *in* F-1-00066
Dibutyl (1-acetoxyethenyl)phosphonate, *in* A-1-00006
Di-*tert*-butylamine, D-1-00166
Dibutyl [1-(aminomethyl)-1-cyclobutyl]phosphonate, *in* A-1-00164
Dibutyl [1-(aminomethyl)-1-cyclohexyl]phosphonate, *in* A-1-00165
Dibutyl [1-(aminomethyl)-1-cyclopentyl]phosphonate, *in* A-1-00166
Dibutyl [1-(aminomethyl)-1-cyclopropyl]phosphonate, *in* A-1-00167
3,5-Di-*tert*-butylanthranilic acid, *see* A-1-00112
1,2-Dibutyl-1,2-bis(1,1-dimethylethyl)diphosphine, *see* D-1-00167
1,2-Dibutyl-1,2-di-*tert*-butyldiphosphine, D-1-00167
1,1-Di-*tert*-butyl-2,2-dimethyldiphosphine, D-1-00168
1,2-Di-*tert*-butyl-1,2-diphenyldiphosphine, D-1-00169
Dibutyl diselenide, D-1-00170
Dibutyl dodecylphosphonate, *in* D-1-00552
Dibutyl (2-ethoxyethenyl)phosphonite, *in* E-1-00011
1,3-Di-*tert*-butyl-5-fluorobenzene, D-1-00171
2,4-Di-*tert*-butyl-1-fluorobenzene, D-1-00172
Di-*tert*-butyl [(4-formylphenyl)methyl]phosphonate, *in* F-1-00066
Dibutyl hexadecylphosphonate, *in* H-1-00027
Dibutyl (4-methoxybenzoyl)phosphonate, *in* M-1-00013
Dibutyl octadecylphosphonate, *in* O-1-00005
Dibutyl tetradecylphosphonate, *in* T-1-00019
3,5-Di-*tert*-butyl-1,2,4-thiadiphosphole, D-1-00173
Dibutyl [(triethoxy)methyl]phosphonate, *in* T-1-00180
5,6-Dichloro-2-benzimidazolethiol, *see* D-1-00182
5,6-Dichloro-2-benzimidazolethione, *see* D-1-00182
2,4-Dichlorobenzotrithloride, *see* D-1-00201
2,5-Dichlorobenzotrithloride, *see* D-1-00200
2,6-Dichlorobenzotrithloride, *see* D-1-00198
3,4-Dichlorobenzotrithloride, *see* D-1-00197
3,5-Dichlorobenzotrithloride, *see* D-1-00199
2,4-Dichlorobenzotrifluoride, *see* D-1-00205
2,5-Dichlorobenzotrifluoride, *see* D-1-00204
3,4-Dichlorobenzotrifluoride, *see* D-1-00203
5,5'-Dichloro-2,2'-bithienyl, *see* D-1-00174
5,5'-Dichloro-2,2'-bithiophene, D-1-00174
2,2-Dichloro-2-(dianilinophosphinyl)acetanilide, *in* D-1-00193
Dichloro(dichlorophosphinyl)acetyl chloride, *in* D-1-00193
3,4-Dichloro-2,5-diformylpyrrole, *see* D-1-00194
5,6-Dichloro-1,3-dihydro-2*H*-benzimidazole-2-thione, *see* D-1-00182
2,2-Dichloro-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00175
5,6-Dichloro-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00176
6,7-Dichloro-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00177
2,3-Dichloro-4-fluorobenzoic acid, D-1-00178
 α,α -Dichloro-*m*-fluorotoluene, *see* D-1-00185
 α,α -Dichloro-*o*-fluorotoluene, *see* D-1-00184
 α,α -Dichloro-*p*-fluorotoluene, *see* D-1-00186
1,1-Dichloro-2-formyl-2-phenylcyclopropane, *see* D-1-00192
1,2-Dichloro-3,4,5,6,7,8-hexafluorocyclooctatetraene, D-1-00179
1,8-Dichloro-2,3,4,5,6,7-hexafluorocyclooctatetraene, D-1-00180
N-[[[2,5-Dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]-2,6-difluorobenzamide, *see* L-1-00002
1-(Dichloroiodo)-2,2,3,3,3-pentafluoropropane, D-1-00181
1-(Dichloroiodo)-2,2,2-trifluoroethane, *see* D-1-00202
Dichloro(*t*-menthyl)phosphine, *in* I-1-00078
5,6-Dichloro-2-mercaptobenzimidazole, D-1-00182
Dichloromesitylphosphine, *see* T-1-00247
Dichloro(4-methoxyphenyl)phosphine, *see* M-1-00014
2,6-Dichloro-3-methylbenzoic acid, D-1-00183
1-(Dichloromethyl)-2-fluorobenzene, D-1-00184
1-(Dichloromethyl)-3-fluorobenzene, D-1-00185
1-(Dichloromethyl)-4-fluorobenzene, D-1-00186
4,5-Dichloro-2-methylimidazole, D-1-00187
2,4-Dichloro-6-methylpyrimidine, D-1-00188
2,4-Dichloro-5-nitrobenzotrifluoride, *see* D-1-00189
1,5-Dichloro-2-nitro-4-(trifluoromethyl)benzene, D-1-00189
4,4-Dichlorooctane, D-1-00190
1,8-Dichloro-4-octyne, D-1-00191
2,2-Dichloro-1-phenylcyclopropanecarboxaldehyde, D-1-00192
Dichlorophosphonoacetic acid, D-1-00193
3,4-Dichloro-1*H*-pyrrole-2,5-dicarboxaldehyde, D-1-00194
3,3''-Dichloro-1,1':4',1''-terphenyl, D-1-00195
4,4''-Dichloro-1,1':4',1''-terphenyl, D-1-00196
5,6-Dichloro-1-tetralone, *see* D-1-00176
6,7-Dichloro-1-tetralone, *see* D-1-00177
2,2-Dichloro- α -tetralone, *see* D-1-00175
1,2-Dichloro-4-(trichloromethyl)benzene, D-1-00197
1,3-Dichloro-2-(trichloromethyl)benzene, D-1-00198
1,3-Dichloro-5-(trichloromethyl)benzene, D-1-00199
1,4-Dichloro-2-(trichloromethyl)benzene, D-1-00200
2,4-Dichloro-1-(trichloromethyl)benzene, D-1-00201
Dichloro(2,2,2-trifluoroethyl)iodine, D-1-00202
1,2-Dichloro-4-(trifluoromethyl)benzene, D-1-00203
1,4-Dichloro-2-(trifluoromethyl)benzene, D-1-00204
2,4-Dichloro-1-(trifluoromethyl)benzene, D-1-00205
2,4-Dichloro- α,α,α -trifluoro-5-nitrotoluene, *see* D-1-00189
2,4-Dichloro- α,α,α -trifluorotoluene, *see* D-1-00205
2,5-Dichloro- α,α,α -trifluorotoluene, *see* D-1-00204
3,4-Dichloro- α,α,α -trifluorotoluene, *see* D-1-00203
Dichlorovinylphosphine, *see* V-1-00006
Dicoronylene, *see* B-1-00014
Dicubylacetylene, D-1-00206
1,4-Dicubyl-1,3-butadiene, D-1-00207
Dicubyl ketone, D-1-00208
Dicubylmethanone, *see* D-1-00208
1,1'-Dicyano-1,1'-bicyclopentyl, *in* B-1-00099
1,2-Dicyanocycloheptane, *in* C-1-00192
1,6-Dicyano-1,3,5-hexatriene, *in* O-1-00025
Dicyanoiodomethane, *in* I-1-00044
1,4-Dicyano-6-methoxynaphthalene, *in* H-1-00152
3-(Dicyanomethylene)pentene, *in* E-1-00025
5,8-Dicyano-1-naphthol, *in* H-1-00151
5,8-Dicyano-2-naphthol, *in* H-1-00152
2,9-Dicyano-1,10-phenanthroline, *in* P-1-00034
2,2-Dicyano-3-phenylpropionitrile, *in* P-1-00069
2,3-Dicyanoquinoxaline, *in* Q-1-00004
4,6-Dicyano-1*H*,3*H*-thieno[3,4-*c*]thiophene, *in* T-1-00129
4,5-Dicyano-2-thioxo-1,3-dithiole, *in* T-1-00136
Dicyclohepta[*b,d*]pyrrolium(1+), D-1-00209
1,1-Dicyclohexyl-2,2-diphenyldiphosphine, D-1-00210
1,1-Dicyclopentylmethanol, D-1-00211
1,1-Dicyclopentyl-1-methoxyethane, *in* D-1-00211
2',3'-Didehydro-2',3'-dideoxy-2'-fluorocytidine, D-1-00212
2',3'-Didehydro-2',3'-dideoxy-2'-fluoro-5-methyluridine, *see* D-1-00213
2',3'-Didehydro-2',3'-dideoxy-2'-fluorouridine, D-1-00214
2',3'-Dideoxy-2'-fluorocytidine, D-1-00215
1-(2,3-Dideoxy-2-fluoro- β -*D*-glycero-2-pentofuranosyl)cytosine, *see* D-1-00212
1-(2,3-Dideoxy-2-fluoro- β -*D*-erythro-pentofuranosyl)cytosine, *see* D-1-00215
1-(2,3-Dideoxy-2-fluoro- β -*D*-threo-pentofuranosyl)-3,4-dihydro-4-thioxo-2(1*H*)-pyrimidinone, *see* D-1-00216
1-(2,3-Dideoxy-2-fluoro- β -*D*-threo-pentofuranosyl)-5-methyl-2,4(1*H*,3*H*)-pyrimidinedione, *see* D-1-00217
1-(2,3-Dideoxy-2-fluoro- β -*D*-threo-pentofuranosyl)-2,4(1*H*,3*H*)-pyrimidinedione, *see* D-1-00218
1-(2,3-Dideoxy-2-fluoro- β -*D*-threo-pentofuranosyl)-4-thiouracil, D-1-00216
1-(2,3-Dideoxy-2-fluoro- β -*D*-threo-pentofuranosyl)thymine, D-1-00217
1-(2,3-Dideoxy-2-fluoro- β -*D*-threo-pentofuranosyl)uracil, D-1-00218
2',5'-Dideoxy-5-fluorouridine, D-1-00219
2,5-Dideoxy-5-iodopentonic acid γ -lactone, *see* D-1-00282
2',3'-Dideoxyuridine, D-1-00220
Didodecyldimethylammonium(1+), D-1-00221
Didodecylphosphine, D-1-00222
5,12,6,11-Dietheno-5,5*a*,6,11,11*a*,12-hexahydronaphthacene, D-1-00223
4-(Diethoxymethyl)-1-methylcyclohexene, *in* M-1-00050
(Diethoxyphosphino)acetic acid, D-1-00224
[2-(Diethoxyphosphinyl)-1,2-difluoroethenyl]pentafluorosulfur, *in* D-1-00244

- 3,4-Diethoxy-1H-pyrrole-2,5-dicarboxylic acid, *in* D-1-00353
- 4,4'-Diethoxytolan, *in* B-1-00182
- Diethyl (1-acetoxyethenyl)phosphonate, *in* A-1-00006
- ▶ Diethylallylacetamide, *in* D-1-00227
- Diethylallylactic acid, *see* D-1-00227
- Diethyl [1-amino-(3,4-dimethoxyphenyl)ethyl]phosphonate, *in* A-1-00124
- Diethyl [1-(aminomethyl)-1-cyclobutyl]phosphonate, *in* A-1-00164
- Diethyl [1-(aminomethyl)-1-cyclohexyl]phosphonate, *in* A-1-00165
- Diethyl [1-(aminomethyl)-1-cyclopentyl]phosphonate, *in* A-1-00166
- Diethyl [1-(aminomethyl)-1-cyclopropyl]phosphonate, *in* A-1-00167
- Diethyl (2-aminoxyethyl)phosphonate, *in* A-1-00188
- N,N*-Diethyl-*P,P*-bis(3-fluorophenyl)phosphinous amide, *in* B-1-00168
- N,N*-Diethyl-*P,P*-bis(4-fluorophenyl)phosphinous amide, *in* B-1-00167
- Diethyl (4-*tert*-butylphenyl)phosphonate, *in* B-1-00432
- Diethyl (α -chlorobenzyl)phosphonate, *in* C-1-00024
- Diethyl chloroethynylphosphonate, *in* C-1-00094
- Diethyl (chlorophenylmethyl)phosphonate, *in* C-1-00024
- Diethyl (3,3-dimethyl-1-butynyl)phosphonate, *in* D-1-00379
- 4,7-Diethyl-1,3,2-dioxathiepane 2,2-dioxide, *in* O-1-00022
- 1,1-Diethyl-2,2-diphenyldiphosphine, D-1-00225
- 1,2-Diethyl-1,2-diphenyldiphosphine, D-1-00226
- Diethyl (diphenylmethyl)phosphonate, *in* D-1-00504
- Diethyl dodecylphosphonate, *in* D-1-00552
- Diethyl (2-ethoxyethenyl)phosphonite, *in* E-1-00011
- Diethyl (4-ethylphenyl)phosphonate, *in* E-1-00023
- Diethyl 9*H*-9-fluorenylphosphonite, *in* F-1-00005
- Diethyl (2-hydroxy-4,6-dimethoxyphenyl)phosphonate, *in* T-1-00231
- Diethyl (2-hydroxy-6-methoxyphenyl)phosphonate, *in* D-1-00351
- Diethyl (4-isopropylphenyl)phosphonate, *in* I-1-00081
- Diethyl (3-isoxazolylmethyl)phosphonate, *in* I-1-00092
- Diethyl (5-isoxazolylmethyl)phosphonate, *in* I-1-00093
- Diethyl 3-isoxazolylphosphonate, *in* I-1-00094
- Diethyl(*L*-menthyl)phosphonite, *in* I-1-00078
- Diethyl (4-methoxybenzoyl)phosphonate, *in* M-1-00013
- Diethyl (1-methyl-1-nitroethyl)phosphonate, *in* M-1-00092
- Diethyl (1-methyl-2-nitroethyl)phosphonate, *in* M-1-00093
- S,S*-Diethyl (4-nitrophenyl)phosphonodithioate, *in* N-1-00029
- Diethyl (1-nitropropyl)phosphonate, *in* N-1-00032
- Diethyl (3-nitropropyl)phosphonate, *in* N-1-00033
- Diethyl (2-oxo-1,2-diphenylethyl)phosphonate, *in* O-1-00043
- 2,2-Diethyl-4-pentenoic acid, D-1-00227
- Diethyl (10-phenothiazinecarbonyl)phosphonate, *in* P-1-00037
- Diethyl (10-phenoxazinecarbonyl)phosphonate, *in* P-1-00038
- Diethyl (2-phenoxyethenyl)phosphonite, *in* P-1-00039
- Diethyl 2,2'-(phenylphosphinidene)bisacetate, *in* P-1-00092
- 3,6-Diethyl-2,5-piperazinedione, D-1-00228
- ▶ 3,3-Diethyl-2,4-piperidinedione, D-1-00229
- 3,3-Diethylpropanoic acid, *see* E-1-00021
- Diethyl tetradecylphosphonate, *in* T-1-00019
- Diethyl [(triethoxy)methyl]phosphonate, *in* T-1-00180
- 1,1-Diethyl-2-(trifluoromethyl)diphosphine, D-1-00230
- Diethyl [3-(trifluoromethyl)phenyl]phosphonate, *in* T-1-00185
- 4,4'-Diethynylbenzophenone, D-1-00231
- 3,7-Diethynyl-1,5-diazabicyclo[3.3.0]octa-3,6-diene-2,8-dione, *see* D-1-00235
- ▶ 11,12-Diethynyl-9,10-dihydro-9,10-ethenoanthracene, D-1-00232
- 4,4'-Diethynyldiphenyl ether, D-1-00233
- 4,4'-Diethynyldiphenyl sulfide, D-1-00234
- 4,4'-Diethynyldiphenyl sulfone, *in* D-1-00234
- 2,6-Diethynyl-1*H*,7*H*-pyrazolo[1,2-*a*]pyrazole-1,7-dione, D-1-00235
- 2,4-Difluorobenzeneacetic acid, *see* D-1-00245
- 2,6-Difluorobenzeneacetic acid, *see* D-1-00246
- 3,4-Difluorobenzeneacetic acid, *see* D-1-00247
- α,α -Difluorobenzeneacetic acid, *see* D-1-00248
- α,α -Difluorobenzeneacetonitrile, *in* D-1-00248
- 4,4'-Difluorobenzil, *see* B-1-00165
- 1,5-Difluoro-2,4-dinitrobenzene, D-1-00236
- 4,4'-Difluorodiphenyl sulfide, *see* B-1-00170
- 1,1',1'',1'''-(1,2-Difluoro-1,2-ethanediyldiene) tetrakisbenzene, *see* D-1-00251
- 1,1',1''-(1,2-Difluoro-1-ethanyl-2-ylidene) trisbenzene, *see* D-1-00252
- (1,2-Difluoro-1,2-ethenediyil)bisphosphonic acid, *see* D-1-00237
- 1,2-Difluoro-1,2-ethylenediphosphonic acid, D-1-00237
- 1,5-Difluoro-2-iodo-4-nitrobenzene, D-1-00238
- Difluoro(*L*-menthyl)phosphine, *in* I-1-00078
- 2,4-Difluoro-3-mercaptobenzoic acid, D-1-00239
- 3,4-Difluoro-2-mercaptobenzoic acid, D-1-00240
- (Difluoromethyl)diphenylphosphine, D-1-00241
- (Difluoromethyl)phenyl selenide, D-1-00242
- (Difluoromethyl) phenyl telluride, D-1-00243
- [(Difluoromethyl)seleninyl]benzene, *in* D-1-00242
- [(Difluoromethyl)seleno]benzene, *see* D-1-00242
- [1,2-Difluoro-2-(pentafluoro-2^o-sulfonyl)ethenyl] phosphonic acid, D-1-00244
- 2,4-Difluorophenylacetic acid, D-1-00245
- 2,6-Difluorophenylacetic acid, D-1-00246
- 3,4-Difluorophenylacetic acid, D-1-00247
- Difluorophenylacetic acid, D-1-00248
- Di(4-fluorophenyl)sulfide, *see* B-1-00170
- 1,3-Difluoropropane, D-1-00249
- 2,2-Difluoropropane, D-1-00250
- 1,2-Difluoro-1,1,2,2-tetraphenylethane, D-1-00251
- 1,2-Difluoro-1,1,2-triphenylethane, D-1-00252
- 3,3'-Diformyl-2,2'-bithienyl, *see* B-1-00217
- 5,5'-Diformyl-2,2'-bithienyl, *see* B-1-00218
- 1,4-Diformylcubane, *see* C-1-00180
- 2,5-Diformyl-3,4-dimethyl-1*H*-pyrrole, *see* D-1-00468
- 5,5'-Diformyl-2,2'-dithienylmethane, *see* M-1-00063
- 2,2-Diformylethenamine, *see* A-1-00168
- 2,5-Diformyl-3-nitropyrrole, *see* N-1-00035
- 2,5-Difurfurylfuran, *see* B-1-00172
- Diheptyl disulfide, D-1-00253
- Diheptyl disulfone, *in* D-1-00253
- Diheptyl ether, D-1-00254
- 1,2-Dihexadecanoylglycerol-3-phosphocholine, *see* G-1-00006
- Dihexyl disulfide, D-1-00255
- Dihexyl disulfone, *in* D-1-00255
- Dihexyl ether, D-1-00256
- 1,2-Dihydro-1,2-acenaphthylenedicarboxylic acid, *see* A-1-00001
- 1,2-Dihydro-1-acenaphthylenemethanol, *see* A-1-00002
- 3,4-Dihydroacridine, D-1-00257
- Dihydro ambrate, *in* M-1-00126
- 2,3-Dihydro-1*H*-benz[*f*]inden-1-one, D-1-00258
- 3,4-Dihydro-2*H*-1,5-benzoxathiepin-3-ol, D-1-00259
- 3,4-Dihydro-1,4-benzothiazepin-5(2*H*)-one, D-1-00260
- 3,4-Dihydro-1*H*-2,3-benzothiazine, D-1-00261
- 4,7-Dihydro-6(5*H*)-benzothiazolone, D-1-00262
- 1,3-Dihydro-1,3-bis(dicyanomethylene) isothianaphthene, *see* B-1-00032
- 2,3-Dihydro-1*H*-cycloheptapyrazine, D-1-00263
- 5,6-Dihydro-4*H*-cyclopenta[*c*]furan, D-1-00264
- 6-(4,5-Dihydro-6*H*-cyclopenta[*b*]thien-6-ylidene)-5,6-dihydro-4*H*-cyclopenta[*b*]thiophene, *see* B-1-00101
- 1,4-Dihydrocyclopent[*b*]indol-3(2*H*)-one, D-1-00265
- 3,4-Dihydrocyclopent[*b*]indol-1(2*H*)-one, D-1-00266
- 3,4-Dihydrocyclopent[*b*]indol-2(1*H*)-one, D-1-00267
- 10,11-Dihydro-5*H*-dibenz[*b,f*]azepin-10-amine, *see* A-1-00118
- 2,3-Dihydro-6,7-dihydroxy-2,2-dimethyl-4*H*-1-benzopyran-4-one, D-1-00268
- 3,4-Dihydro-2,4-dihydroxypteridine, *in* P-1-00148
- 7,8-Dihydro-6,7-dihydroxypteridine, *in* P-1-00149
- 2,3-Dihydro-6,7-dimethoxy-2,2-dimethyl-4*H*-1-benzopyran-4-one, *in* D-1-00268
- 1,3-Dihydro-3,3-dimethoxy-2*H*-indol-2-one, D-1-00269
- 10,11-Dihydro-*N*,5-dimethyl-5*H*-dibenz[*b,f*]azepin-10-amine, *in* A-1-00118
- 1,3-Dihydro-1,3-dimethyl-2*H*-imidazol-2-ylidene, *in* I-1-00006
- 2,3-Dihydro-2,2-dimethyl-1*H*-inden-1-one, *see* D-1-00415
- 2,3-Dihydro-2,3-dimethyl-1*H*-inden-1-one, *see* D-1-00416
- 2,3-Dihydro-2,4-dimethyl-1*H*-inden-1-one, *see* D-1-00417
- 2,3-Dihydro-2,5-dimethyl-1*H*-inden-1-one, *see* D-1-00418
- 2,3-Dihydro-2,6-dimethyl-1*H*-inden-1-one, *see* D-1-00419
- 2,3-Dihydro-2,7-dimethyl-1*H*-inden-1-one, *see* D-1-00420
- 2,3-Dihydro-3,3-dimethyl-1*H*-inden-1-one, *see* D-1-00421
- 2,3-Dihydro-3,4-dimethyl-1*H*-inden-1-one, *see* D-1-00422
- 2,3-Dihydro-3,6-dimethyl-1*H*-inden-1-one, *see* D-1-00423
- 2,3-Dihydro-3,7-dimethyl-1*H*-inden-1-one, *see* D-1-00424
- 2,3-Dihydro-4,5-dimethyl-1*H*-inden-1-one, *see* D-1-00425
- 2,3-Dihydro-4,6-dimethyl-1*H*-inden-1-one, *see* D-1-00426
- 2,3-Dihydro-4,7-dimethyl-1*H*-inden-1-one, *see* D-1-00427
- 2,3-Dihydro-5,6-dimethyl-1*H*-inden-1-one, *see* D-1-00428
- 2,3-Dihydro-5,7-dimethyl-1*H*-inden-1-one, *see* D-1-00429
- 2,3-Dihydro-6,7-dimethyl-1*H*-inden-1-one, *see* D-1-00430
- ▶ 1,2-Dihydro-1,5-dimethyl-4-(methylamino)-2-phenyl-3*H*-pyrazol-3-one, *see* N-1-00053
- 2,3-Dihydro-4,5-dimethyl-2-methylene-1*H*-imidazole, D-1-00270
- 3,4-Dihydro-4,7-dimethyl-1(2*H*)naphthalenone, *see* T-1-00254
- 3,4-Dihydro-4,4-dimethyl-2(1*H*)-naphthalenone, D-1-00271
- 1,4-Dihydro-2,6-dimethyl-4-oxo-3-pyridinecarboxaldehyde, *see* H-1-00090
- 1,2-Dihydro-1,2-dimethylphthalazine, *in* D-1-00306
- 1,7-Dihydro-1,7-dimethyl-6*H*-purin-6-imine, *see* D-1-00369
- 3,4-Dihydro-3,3-dimethyl-2(1*H*)-quinoxalinone, D-1-00272

- 2,3-Dihydro-2,3-dioxo-1*H*-indole-4-sulfonic acid, D-1-00273
- 2,3-Dihydro-2,3-dioxo-1*H*-indole-5-sulfonic acid, D-1-00274
- 2,3-Dihydro-2,3-dioxo-1*H*-indole-6-sulfonic acid, D-1-00275
- 2,3-Dihydro-2,3-dioxo-1*H*-indole-7-sulfonic acid, D-1-00276
- 3-(2,5-Dihydro-2,5-dioxo-1*H*-pyrrol-2-yl)-2,2,5,5-tetramethyl-1-pyrrolidinyl-oxo, D-1-00277
- 5,6-Dihydro-1,3-dithiolo[4,5-*b*][1,4]oxathiin-2-one, D-1-00278
- 2-(5,6-Dihydro-1,3-dithiolo[4,5-*b*][1,4]oxathiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-*b*][1,4]oxathiin, *see* B-1-00102
- 3,4-Dihydro-7-ethynyl-2(1*H*)-naphthalenone, D-1-00279
- 2,3-Dihydro-7-hydroxy-4*H*-1-benzopyran-4-one, D-1-00280
- 3,4-Dihydro-3-hydroxy-2*H*-1,5-benzoxathiepin, *see* D-1-00259
- 4,5-Dihydro-4-hydroxy-5-(hydroxymethyl)-2(3*H*)-furanone, D-1-00281
- Dihydro-4-hydroxy-5-(iodomethyl)-2(3*H*)-furanone, D-1-00282
- 3,4-Dihydro-6-hydroxyisocarboxystyryl, *see* D-1-00285
- 3,4-Dihydro-7-hydroxyisocarboxystyryl, *see* D-1-00286
- 3,4-Dihydro-4-hydroxy-1(2*H*)-isoquinolinone, D-1-00283
- 3,4-Dihydro-5-hydroxy-1(2*H*)-isoquinolinone, D-1-00284
- 3,4-Dihydro-6-hydroxy-1(2*H*)-isoquinolinone, D-1-00285
- 3,4-Dihydro-7-hydroxy-1(2*H*)-isoquinolinone, D-1-00286
- 3,4-Dihydro-8-hydroxy-1(2*H*)-isoquinolinone, D-1-00287
- 2,3-Dihydro-6-hydroxy-7-methoxy-2,2-dimethyl-4*H*-1-benzopyran-4-one, *in* D-1-00268
- 2,3-Dihydro-7-hydroxy-6-methoxy-2,2-dimethyl-4*H*-1-benzopyran-4-one, *in* D-1-00268
- 2,3-Dihydro-3-(hydroxymethyl)-8-methyl-2,5-methano-5*H*,9*H*-pyrimido[2,1-*b*][1,5,3]dioxazepin-9-one, *see* A-1-00234
- Dihydro-5-(hydroxymethyl)-3-(phenylmethyl)-2(3*H*)-furanone, *see* B-1-00065
- 3,4-Dihydro-4-hydroxy-2(1*H*)-pteridinone, *in* P-1-00148
- 7,8-Dihydro-7-hydroxy-6(5*H*)-pteridinone, *in* P-1-00149
- 2,3-Dihydro-1*H*-imidazole, D-1-00288
- 1,3-Dihydro-2*H*-imidazole-2-selone, D-1-00289
- 5,6-Dihydroimidazo[1,2-*a*]pyridine, D-1-00290
- 1,3-Dihydro-2*H*-imidazo[4,5-*b*]quinoxalin-2-one, D-1-00291
- 1,2-Dihydro-3*H*-imidazo[4,5-*e*]-1,2,4-triazin-3-one, D-1-00292
- 10,11-Dihydro-10,5-(iminomethano)-5*H*-dibenzo[*a,d*]cycloheptene, D-1-00293
- 2,3-Dihydro-1*H*-indene-2-acetic acid, *see* I-1-00011
- 9,10-Dihydroindeno[1,2-*a*]indene, D-1-00294
- 8,8*a*-Dihydro-5(3*H*)-indolizone, D-1-00295
- 3,4-Dihydroisocarboxystyryl, *see* D-1-00297
- 4,7-Dihydro-2-isopentyl-2-methyl-1,3-dioxepin, *see* D-1-00304
- Dihydro-5-isopropyl-2(3*H*)-furanone, D-1-00296
- 3,4-Dihydro-1(2*H*)-isoquinolinone, D-1-00297
- 3,4-Dihydro-5-methoxy-1(2*H*)-isoquinolinone, *in* D-1-00284
- 3,4-Dihydro-6-methoxy-1(2*H*)-isoquinolinone, *in* D-1-00285
- 3,4-Dihydro-7-methoxy-1(2*H*)-isoquinolinone, *in* D-1-00286
- 3,4-Dihydro-8-methoxy-1(2*H*)-isoquinolinone, *in* D-1-00287
- 3,4-Dihydro-6-methoxy-2-methyl-1(2*H*)-isoquinolinone, *in* D-1-00285
- 3,4-Dihydro-4-methoxy-2-methyl-2*H*-pyran, *in* D-1-00307
- 1,2-Dihydro-1-methylacenaphthylene, *see* M-1-00016
- 1,2-Dihydro-3-methylacenaphthylene, *see* M-1-00017
- 1,2-Dihydro-4-methylacenaphthylene, *see* M-1-00018
- 1,2-Dihydro-5-methylacenaphthylene, *see* M-1-00019
- 3,4-Dihydro-3-methyl-1*H*-2,3-benzothiazine 2,2-dioxide, *in* D-1-00261
- 2,3-Dihydro-2-methyl-4*H*-1-benzothiopyran-4-one, D-1-00298
- 2,3-Dihydro-3-methyl-4*H*-1-benzothiopyran-4-one, D-1-00299
- 2,3-Dihydro-5-methyl-4*H*-1-benzothiopyran-4-one, D-1-00300
- 2,3-Dihydro-6-methyl-4*H*-1-benzothiopyran-4-one, D-1-00301
- 2,3-Dihydro-7-methyl-4*H*-1-benzothiopyran-4-one, D-1-00302
- 2,3-Dihydro-8-methyl-4*H*-1-benzothiopyran-4-one, D-1-00303
- 1,4-Dihydro-4-methylcyclopent[*b*]indol-3(2*H*)-one, *in* D-1-00265
- 3,4-Dihydro-4-methylcyclopent[*b*]indol-1(2*H*)-one, *in* D-1-00266
- Dihydro-5-(1-methylethyl)-2(3*H*)-furanone, *see* D-1-00296
- 1,3-Dihydro-1-methyl-2*H*-imidazole-2-selone, *in* D-1-00289
- 2,5-Dihydro-5-methyl-3*H*-imidazo[4,5-*e*]-1,2,4-triazin-3-one, *in* D-1-00292
- 2,7-Dihydro-7-methyl-3*H*-imidazo[4,5-*e*]-1,2,4-triazin-3-one, *in* D-1-00292
- 4,7-Dihydro-2-methyl-2-(3-methylbutyl)-1,3-dioxepin, D-1-00304
- 4,5-Dihydro-5-methyl-4-oxo-5-phenyl-2-furancarboxylic acid, D-1-00305
- 1,2-Dihydro-1-methylphthalazine, D-1-00306
- 3,4-Dihydro-2-methyl-2*H*-pyran-4-ol, D-1-00307
- 2,3-Dihydro-2-methyl-4*H*-pyran-4-one, D-1-00308
- 1,2-Dihydro-2-methylpyridine, D-1-00309
- 2,3-Dihydro-2-methyl-4(1*H*)-pyridinone, D-1-00310
- 2,3-Dihydro-2-methyl-2-vinylfuran, D-1-00311
- 3,4-Dihydro-2*H*-naphtho[1,8-*bc*]-1,5-diselenocin, D-1-00312
- 2,3-Dihydro-1*H*-naphtho[2,1-*b*]thiopyran, D-1-00313
- 3,4-Dihydro-2*H*-naphtho[1,2-*b*]thiopyran, D-1-00314
- 1,3-Dihydro-5-nitro-2*H*-benzimidazole-2-thione, *see* M-1-00011
- (Dihydro-1,4-oxathiino)-1,3-dithiole-2-one, *see* D-1-00278
- 2,3-Dihydro-4(5*H*)-oxepinone, D-1-00315
- 6,7-Dihydro-2(3*H*)-oxepinone, D-1-00316
- 6,7-Dihydro-2(5*H*)-oxepinone, D-1-00317
- 1,2-Dihydro-2-oxocyclohepta[*b*]pyrrole-3-carbonitrile, *in* D-1-00318
- 1,2-Dihydro-2-oxocyclohepta[*b*]pyrrole-3-carboxylic acid, D-1-00318
- 2,3-Dihydro-1-oxo-1*H*-indene-2-carboxylic acid, *see* O-1-00046
- 2,5-Dihydro-5-oxo-4-isoxazolecarboxylic acid, *see* H-1-00102
- 4,7-Dihydro-2-(3-pentyl)-1,3-dioxepin, *see* E-1-00024
- 2,3-Dihydro-3-phenyl-1*H*-benzo[*e*]phosphindole, D-1-00319
- 2,3-Dihydro-7-phenyl-4*H*-1-benzopyran-4-one, D-1-00320
- 2,3-Dihydro-2-phenyl-1,4-benzothiazepin-5(4*H*)-one, *see* D-1-00321
- 3,4-Dihydro-2-phenyl-1,4-benzothiazepin-5(2*H*)-one, D-1-00321
- 2,3-Dihydro-2-phenyl-1,4-benzoxathiin, D-1-00322
- 4,5-Dihydro-2-phenylimidazole, D-1-00323
- 2,3-Dihydro-21*H*,23*H*-porphine, *see* C-1-00010
- 5,10-Dihydro-1*H*-pyrazolo[1,2-*b*]phthalazin-1-one, D-1-00324
- 2,3-Dihydro-1*H*-pyrazolo[1,2-*b*]phthalazin-5(10*H*)-one, D-1-00325
- 8,9-Dihydroxyrido[1,2-*a*]indol-6(7*H*)-one, D-1-00326
- 5,12-Dihydroquino[2,3-*b*]acridine-7,14-dithione, D-1-00327
- 2,3-Dihydro-4(1*H*)-quinolinone, D-1-00328
- 3,4-Dihydro-2(1*H*)-quinoxalinone, D-1-00329
- 3,4-Dihydro-2,5-selenophenedione, *in* S-1-00002
- 1,2-Dihydro-1,4,5,8-tetrahydroxy-9,10-anthracenedione, *see* D-1-00330
- 2,3-Dihydro-1,4,5,8-tetrahydroxyanthraquinone, D-1-00330
- 1,6-Dihydro-1,3,6,8-tetramethylpyrimido[4,5-*g*]pteridine-2,4,7,9(3*H*,8*H*)-tetrone, *in* P-1-00179
- 2-(1,3-Dihydro-1,3,4,5-tetraphenyl-2*H*-1,3-diphosphol-2-ylidene)-2,3-dihydro-1,3,4,5-tetraphenyl-1*H*-1,3-diphosphole, *see* T-1-00048
- 4,6-Dihydrothieno[3,4-*d*]-1,3-dithiole-2-thione, D-1-00331
- 2,3-Dihydro-2-thioxo-1*H*-indole-3-acetic acid, D-1-00332
- 2,3-Dihydro-2-thioxopyrido[3,2-*d*]pyrimidin-4(1*H*)-one, D-1-00333
- 2,3-Dihydro-2-(trifluoromethyl)-1*H*-inden-1-one, *see* T-1-00206
- 3,9-Dihydro-1,3,9-trimethyl-8-nitroso-1*H*-purine-2,6-dione, D-1-00334
- 4,4'-Dihydroxyazobenzene-3,3'-dicarboxylic acid, *see* O-1-00030
- 2,3-Dihydroxy-1,4-benzenediphosphonic acid, D-1-00335
- 2,5-Dihydroxy-1,4-benzenediphosphonic acid, D-1-00336
- 4,7-Dihydroxybenzo[*c*]furan, D-1-00337
- 2,2'-Dihydroxybibenzyl, D-1-00338
- 3,3'-Dihydroxybibenzyl, D-1-00339
- 4,4'-Dihydroxybibenzyl, D-1-00340
- 2,2'-Dihydroxy[bi-1-cyclobuten-1-yl]-3,3',4,4'-tetrone, *see* B-1-00201
- 1,2-Dihydroxycarbazole, *see* C-1-00002
- 1,4-Dihydroxycarbazole, *see* C-1-00003
- 2,7-Dihydroxycarbazole, *see* C-1-00004
- 3,6-Dihydroxycarbazole, *see* C-1-00005
- 3,4'-Dihydroxychalcone, D-1-00341
- 9,10-Dihydroxydecalin, *see* O-1-00015
- α,α' -Dihydroxy-*m*-diisopropylbenzene, *see* B-1-00179
- 6,7-Dihydroxy-2,2-dimethylchromanone, *see* D-1-00268
- 3,8-Dihydroxy-1,2-dimethylxanthone, *in* T-1-00060
- 4,4'-(1,2-Dihydroxy-1,2-ethanediylo)bis-1,2-benzenediol, *see* B-1-00150
- 1,8-Dihydroxy-9*H*-fluoren-9-one, D-1-00342
- 8,16-Dihydroxyhexadecanoic acid, D-1-00343
- 3,5-Dihydroxy-1*H*-inden-1-one, *see* H-1-00101
- 11,17-Dihydroxy-3-keto- Δ^4 -17-isoehtenic acid, *see* D-1-00349
- 5,8-Dihydroxyleucoquinizarin, *see* D-1-00330
- 2',5'-Dihydroxy-3-methylcrotonophenone, *see* D-1-00350
- 3,4-Dihydroxy-4'-methyl-5-nitrobenzophenone, D-1-00344
- 3,4-Dihydroxy-2-methylpyrrolidine, D-1-00345
- 3,8-Dihydroxy-1-naphthalenecarboxaldehyde, D-1-00346
- 5,8-Dihydroxy-1-naphthalenecarboxaldehyde, D-1-00347
- 6,8-Dihydroxy-1-naphthalenecarboxaldehyde, D-1-00348
- (3,4-Dihydroxy-5-nitrophenyl)(4-methylphenyl)methanone, *see* D-1-00344
- 11,17-Dihydroxy-3-oxo-4-androstene-17-carboxylic acid, D-1-00349
- 11,17-Dihydroxy-3-oxo-4-etiocholenic acid, *see* D-1-00349
- 2,3-Dihydroxy-1,4-phenylenebisphosphonic acid, *see* D-1-00335

- 2,5-Dihydroxy-1,4-phenylenebisphosphonic acid, *see* D-1-00336
- 1-(2,5-Dihydroxyphenyl)-3-methyl-2-buten-1-one, D-1-00350
- 2,6-Dihydroxyphenylphosphonic acid, D-1-00351
- 4,5-Dihydroxy-2-phenylquinoline, D-1-00352
- 2-(Dihydroxyphosphino)bromobenzene, *see* B-1-00378
- 3,4-Dihydroxy-1*H*-pyrrole-2,5-dicarboxylic acid, D-1-00353
- m,m'*-Dihydroxytolan, *see* B-1-00181
- o,o'*-Dihydroxytolan, *see* B-1-00180
- p,p'*-Dihydroxytolan, *see* B-1-00182
- ▶ Dihyprylone, *see* D-1-00229
- 2,6-Diidoanthracene, D-1-00354
- 2,6-Diiodobenzo[1,2-*b*:4,5-*b'*]dithiophene, D-1-00355
- 2,7-Diiodobenzo[1,2-*b*:4,3-*b'*]dithiophene, D-1-00356
- 2,7-Diiodobenzo[2,1-*b*:3,4-*b'*]dithiophene, D-1-00357
- 4,5-Diiodo-1,2-dimethyl-1*H*-imidazole, *in* D-1-00358
- 4,5-Diiodo-2-methylimidazole, D-1-00358
- 1,4-Diiodoperfluorobutane, *see* O-1-00009
- 1,6-Diiodoperfluorohexane, *see* D-1-00546
- 3,4-Diiodopyrazole, D-1-00359
- 4,4'-Diiodo-1,1':4',1''-terphenyl, D-1-00360
- 2,6(7)-Diiodotetrathiafulvalene, *see* I-1-00038
- Diisopropyl (1-acetoxyethenyl)phosphonate, *in* A-1-00006
- Diisopropyl [1-(aminomethyl)-1-cyclobutyl]phosphonate, *in* A-1-00164
- Diisopropyl [1-(aminomethyl)-1-cyclohexyl]phosphonate, *in* A-1-00165
- Diisopropyl [1-(aminomethyl)-1-cyclopentyl]phosphonate, *in* A-1-00166
- Diisopropyl [1-(aminomethyl)-1-cyclopropyl]phosphonate, *in* A-1-00167
- 1,2-Diisopropylbenzene, D-1-00361
- 1,3-Diisopropylbenzene, D-1-00362
- 1,4-Diisopropylbenzene, D-1-00363
- 2,4-Diisopropylbenzenesulfonic acid, D-1-00364
- 1,2-Diisopropyl-3,4-diisopropylidene-1,2-diphosphetane, D-1-00365
- Diisopropyl (3,3-dimethyl-1-butynyl)phosphonate, *in* D-1-00379
- Diisopropyl (diphenylmethyl)phosphonate, *in* D-1-00504
- Diisopropyl (2-ethoxyethenyl)phosphonite, *in* E-1-00011
- Diisopropyl(*L*-menthyl)phosphonite, *in* I-1-00078
- Diisopropyl (4-methoxybenzoyl)phosphonate, *in* M-1-00013
- Diisopropyl (1-methyl-2-nitroethyl)phosphonate, *in* M-1-00093
- Diisopropyl (1-nitropropyl)phosphonate, *in* N-1-00032
- Diisopropyl (10-phenoxazinecarbonyl)phosphonate, *in* P-1-00038
- Diisopropyl selenide, D-1-00366
- Diisopropyl [(triethoxy)methyl]phosphonate, *in* T-1-00180
- 4,4'-Diisothiocyanatodiphenyl sulfide, D-1-00367
- 2,3-Diketopiperazine, *see* P-1-00122
- Dimercaptomaleic acid cyclic trithiocarbonate, *see* T-1-00136
- 2,4-Dimercaptoquinazoline, *see* Q-1-00001
- Dimesitylphosphinous fluoride, *see* B-1-00214
- β,β -Dimethacryloylhydroquinone, *see* D-1-00350
- 3,3-Dimethoxyacrylonitrile, *see* D-1-00368
- 4,7-Dimethoxybenzo[*c*]furan, *in* D-1-00337
- 1,2-Dimethoxycarbazole, *in* C-1-00002
- 1,4-Dimethoxycarbazole, *in* C-1-00003
- 2,7-Dimethoxycarbazole, *in* C-1-00004
- 3,6-Dimethoxycarbazole, *in* C-1-00005
- 3,4'-Dimethoxychalcone, *in* D-1-00341
- 6,7-Dimethoxy-2,2-dimethylchromanone, *in* D-1-00268
- 1,8-Dimethoxy-9*H*-fluoren-9-one, *in* D-1-00342
- 3,5-Dimethoxy-1*H*-inden-1-one, *in* H-1-00101
- 3,3-Dimethoxy-2-indolinone, *see* D-1-00269
- 1,8-Dimethoxy-2,3-methylenedioxyxanthone, *in* T-1-00060
- 4-(Dimethoxymethyl)-1-methylcyclohexene, *in* M-1-00050
- 1,1-Dimethoxy-3-pentanone, *in* O-1-00050
- 1-(2,5-Dimethoxyphenyl)-3-methyl-2-buten-1-one, *in* D-1-00350
- C*-(Dimethoxyphosphinyl)glycine, *see* A-1-00125
- 3,3-Dimethoxy-2-propenenitrile, D-1-00368
- 3,4-Dimethoxy-1*H*-pyrrole-2,5-dicarboxylic acid, *in* D-1-00353
- 4,4'-Dimethoxyxelenobenzophenone, *see* B-1-00183
- 2,2'-Dimethoxytolan, *in* B-1-00180
- 4,4'-Dimethoxytolan, *in* B-1-00182
- Dimethyl (1-acetoxyethenyl)phosphonate, *in* A-1-00006
- 1,7-Dimethyladenine, D-1-00369
- 3,3-Dimethylallylamine, *see* M-1-00040
- ▶ 3-[[[(Dimethylamino)carbonyl]oxy]-1-methylpyridinium], *see* P-1-00178
- 3-Dimethylaminocyclohexanone, *in* A-1-00091
- 1-(Dimethylaminomethyl)imidazole, *in* A-1-00171
- 2-(Dimethylaminomethyl)pyrrole, *in* A-1-00182
- [2-(Dimethylamino)phenyl]phosphonous acid, D-1-00370
- 2,2-Dimethyl-3-azetidinamine, *see* A-1-00126
- 1,2-Dimethylazetidine, *in* M-1-00022
- 2,6-Dimethyl-1,4-benzenedimethanol, D-1-00371
- 2,8-Dimethyl[1,2,3]benzothiadiphospholo[3,2-*b*][1,2,3]benzothiodiphosphole, D-1-00372
- Dimethyl [bicyclo[3.1.1]heptyl]-6-phosphonate, *in* B-1-00089
- 1,4-Dimethylbicyclo[2.2.2]oct-5-en-2-one, D-1-00373
- 1,5-Dimethylbicyclo[2.2.2]oct-5-en-2-one, D-1-00374
- 3,3'-Dimethylbi(1,4,2-dithiazol-5-ylidene), D-1-00375
- Dimethyl bis(2-phenylethynyl)fumarate, *in* B-1-00194
- 1,1-Dimethyl-2,2-bis(trifluoromethyl)diphosphine, D-1-00376
- 1,2-Dimethyl-1,2-bis(trifluoromethyl)diphosphine, D-1-00377
- 2,2-Dimethyl-1,4-butanediol, D-1-00378
- (3,3-Dimethyl-1-butynyl)phosphonic acid, D-1-00379
- Dimethyl (α -chlorobenzyl)phosphonate, *in* C-1-00024
- Dimethyl chloroethynylphosphonate, *in* C-1-00094
- Dimethyl (chlorophenylmethyl)phosphonate, *in* C-1-00024
- 1,4-Dimethylcubane, D-1-00380
- 2,4-Dimethylcyclobutanecarboxylic acid, D-1-00381
- 2,12-Dimethylcyclododecanone, D-1-00382
- 2,5-Dimethyl-1,3-cyclohexanedione, D-1-00383
- 2,5-Dimethyl-1,4-cyclohexanedione, D-1-00384
- 2,6-Dimethyl-1,4-cyclohexanedione, D-1-00385
- 3,5-Dimethyl-3-cyclohexene-1-carboxaldehyde, D-1-00386
- 2,2-Dimethylcyclopentanecarboxylic acid, D-1-00387
- 3,3-Dimethylcyclopentanecarboxylic acid, D-1-00388
- 2,3-Dimethylcyclopentanol, D-1-00389
- P,P'*-Dimethyl, *P',P'*-diethyl 1,2-ethynediylbisphosphonate, *in* E-1-00032
- α,α -Dimethyl-1,3-dioxalane-2-methanethiol, *in* M-1-00010
- 1,1-Dimethyl-2,2-diphenyldiphosphine, D-1-00390
- 2,5-Dimethyl-3,4-diphenylfuran, D-1-00391
- 3,4-Dimethyl-2,5-diphenylfuran, D-1-00392
- 2,3-Dimethyldiphenylmethane, D-1-00393
- 2,4-Dimethyldiphenylmethane, D-1-00394
- 2,5-Dimethyldiphenylmethane, D-1-00395
- 2,6-Dimethyldiphenylmethane, D-1-00396
- 3,4-Dimethyldiphenylmethane, D-1-00397
- 3,5-Dimethyldiphenylmethane, D-1-00398
- Dimethyl (diphenylmethyl)phosphonate, *in* D-1-00504
- 2,5-Dimethyl-3,4-diphenylpyridine, D-1-00399
- 3,4-Dimethyl-2,6-diphenylpyridine, D-1-00400
- 2-(4,5-Dimethyl-1,3-diselenol-2-ylidene)-4,5-dimethyl-1,3-diselenole, *see* T-1-00089
- 2,3-Dimethyl-5,6-dithiabicyclo[2.1.1]hexane, D-1-00401
- ▶ 5,5-Dimethyl-2,4-dithiohydantoin, *see* D-1-00412
- 2-(4,5-Dimethyl-1,3-dithiol-2-ylidene)-4,5-dimethyl-1,3-dithiole, *see* T-1-00090
- Dimethyldodecylethylammonium(1+), D-1-00402
- 1,4-Dimethylenecyclohexane dioxide, *see* D-1-00489
- 1,3:2,4-Di-*O*-methylene-*L*-threitol, *in* T-1-00035
- Dimethyl (2-ethoxyethenyl)phosphonite, *in* E-1-00011
- α -(1,1-Dimethylethyl)benzeneethanamine, *see* D-1-00455
- α -(1,1-Dimethylethyl)benzenemethanamine, *see* D-1-00463
- 2-(1,1-Dimethylethyl)-1-benzoselenepin, *see* B-1-00412
- 3-(1,1-Dimethylethyl)bicyclo[1.1.1]pentane-1-carboxylic acid, *see* B-1-00413
- 2-(1,1-Dimethylethyl)-4,5-dimethylphenol, *see* B-1-00419
- 2-(1,1-Dimethylethyl)-4,6-dimethylphenol, *see* B-1-00416
- 4-(1,1-Dimethylethyl)-2,5-dimethylphenol, *see* B-1-00417
- 4-(1,1-Dimethylethyl)-2,6-dimethylphenol, *see* B-1-00418
- 4-(1,1-Dimethylethyl)-2,6-dinitrophenol, *see* B-1-00420
- 2-(1,1-Dimethylethyl)furan, *see* B-1-00422
- 3-(1,1-Dimethylethyl)furan, *see* B-1-00423
- 4-(1,1-Dimethylethyl)-4-methoxydibenzoylmethane, *see* A-1-00239
- (1,1-Dimethylethyl)[5-methyl-2-(1-methylethyl)cyclohexyl]phosphinous chloride, *see* B-1-00425
- P*-(1,1-Dimethylethyl)-*N*-methylphosphonamidic acid, *see* B-1-00429
- N*-(1,1-Dimethylethyl)-2-methyl-2-propanamine, *see* D-1-00166
- 1-[4-(1,1-Dimethylethyl)phenyl]-3-(4-methoxyphenyl)-1,3-propanedione, *see* A-1-00239
- [2-(1,1-Dimethylethyl)phenyl]phosphonic acid, *see* B-1-00430
- [3-(1,1-Dimethylethyl)phenyl]phosphonic acid, *see* B-1-00431
- [4-(1,1-Dimethylethyl)phenyl]phosphonic acid, *see* B-1-00432
- O*-[2-(1,1-Dimethylethyl)-5-pyrimidinyl] *O*,*O*-diethylphosphorothioate, *see* B-1-00409
- 4-(1,1-Dimethylethyl)-1,2,3-thiadiazole, *see* B-1-00434
- [(1,1-Dimethylethyl)thio]benzene, *see* B-1-00433
- (1,1-Dimethylethyl)(2,4,6-trimethylphenyl)phosphinic acid, *see* B-1-00427
- Dimethylformamide chloride, *in* C-1-00118
- Dimethylformamide dicyclohexyl acetal, *see* B-1-00139
- 2,5-Dimethylfuran-3,4-dicarboximide, *see* D-1-00403
- 1,3-Dimethyl-4*H*-furo[3,4-*c*]pyrrole-4,6(5*H*)-dione, D-1-00403
- 2,4-Dimethyl-2,4-heptadienal, D-1-00404
- 2,6-Dimethyl-1,5-heptadien-4-ol, D-1-00405
- 3,3-Dimethyl-1,5-heptadien-4-ol, D-1-00406
- 4,6-Dimethyl-1,5-heptadien-4-ol, D-1-00407
- 2,4-Dimethylhexanal, D-1-00408
- 3,3-Dimethyl-2,5-hexanedione, D-1-00409
- 2,4-Dimethylhexanoic acid, D-1-00410
- 2,4-Dimethyl-1-hexanol, D-1-00411
- 2,2'-Dimethylhydrobenzoin, *see* B-1-00188

- 5,5-Dimethyl-2,4-imidazolidinedithione, D-1-00412
 4,5-Dimethyl-2-imidazolylidene, D-1-00413
 2,2-Dimethyl-1,3-indanedione, D-1-00414
 2,2-Dimethyl-1-indanone, D-1-00415
 2,3-Dimethyl-1-indanone, D-1-00416
 2,4-Dimethyl-1-indanone, D-1-00417
 2,5-Dimethyl-1-indanone, D-1-00418
 2,6-Dimethyl-1-indanone, D-1-00419
 2,7-Dimethyl-1-indanone, D-1-00420
 3,3-Dimethyl-1-indanone, D-1-00421
 3,4-Dimethyl-1-indanone, D-1-00422
 3,6-Dimethyl-1-indanone, D-1-00423
 3,7-Dimethyl-1-indanone, D-1-00424
 4,5-Dimethyl-1-indanone, D-1-00425
 4,6-Dimethyl-1-indanone, D-1-00426
 4,7-Dimethyl-1-indanone, D-1-00427
 5,6-Dimethyl-1-indanone, D-1-00428
 5,7-Dimethyl-1-indanone, D-1-00429
 6,7-Dimethyl-1-indanone, D-1-00430
 2,2-Dimethyl-1*H*-indene-1,3-(2*H*)-dione, *see* D-1-00414
 ► *N,N*-Dimethyl-1*H*-indole-3-ethanamine, *see* D-1-00472
 3,3-Dimethyl-1(3*H*)-isobenzofuranthione, D-1-00431
 1,3-Dimethylisoquinoline, D-1-00432
 1,4-Dimethylisoquinoline, D-1-00433
 1,5-Dimethylisoquinoline, D-1-00434
 1,6-Dimethylisoquinoline, D-1-00435
 1,7-Dimethylisoquinoline, D-1-00436
 1,8-Dimethylisoquinoline, D-1-00437
 3,4-Dimethylisoquinoline, D-1-00438
 3,5-Dimethylisoquinoline, D-1-00439
 3,6-Dimethylisoquinoline, D-1-00440
 4,5-Dimethylisoquinoline, D-1-00441
 4,7-Dimethylisoquinoline, D-1-00442
 5,7-Dimethylisoquinoline, D-1-00443
 5,8-Dimethylisoquinoline, D-1-00444
 6,8-Dimethylisoquinoline, D-1-00445
 Dimethyl(*l*-menthyl)phosphonite, *in* I-1-00078
 Dimethyl (4-methoxybenzoyl)phosphonate, *in* M-1-00013
 4,5-Dimethyl-2-(4-methyl-1,3-dithiol-2-ylidene)-1,3-dithiole, *see* T-1-00250
 4,5-Dimethyl-2-methyleneimidazole, *see* D-1-00270
 3,9-Dimethyl-6-(1-methylethenyl)-3,9-decadien-1-ol, *see* I-1-00071
 Dimethyl (1-methyl-1-nitroethyl)phosphonate, *in* M-1-00092
 Dimethyl (1-methyl-2-nitroethyl)phosphonate, *in* M-1-00093
 2,5-Dimethylmorpholine, D-1-00446
 2,6-Dimethylmorpholine, D-1-00447
 3,3-Dimethylmorpholine, D-1-00448
 3,5-Dimethylmorpholine, D-1-00449
S,S-Dimethyl (4-nitrophenyl)phosphonodithioate, *in* N-1-00029
 Dimethyl (1-nitropropyl)phosphonate, *in* N-1-00032
 3,7-Dimethyl-2,6-nonadienal, D-1-00450
 3,7-Dimethyl-1,6-nonadien-3-ol, D-1-00451
 4,4'-Dimethyloctafluorobiphenyl, *see* O-1-00010
 Dimethyl (2-oxo-1,2-diphenylethyl)phosphonate, *in* O-1-00043
 1,4-Dimethylpentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]octane, *see* D-1-00380
 2,2-Dimethylpentanoic acid, D-1-00452
 3,3-Dimethyl-1-penten-4-yne, D-1-00453
 Dimethyl (10-phenothiazinecarbonyl)phosphonate, *in* P-1-00037
 Dimethyl (10-phenoxazinecarbonyl)phosphonate, *in* P-1-00038
 Dimethyl (phenylacetyl)phosphonate, *in* P-1-00041
 3,3-Dimethyl-4-phenyl-2-azetidinone, D-1-00454
 3,3-Dimethyl-1-phenyl-2-butylamine, D-1-00455
 2,2-Dimethyl-5-phenyl-1,3-dioxo-5-phospho-2-silacyclohexane, D-1-00456
 (2,3-Dimethylphenyl)hydrazine, D-1-00457
 (2,4-Dimethylphenyl)hydrazine, D-1-00458
 (2,5-Dimethylphenyl)hydrazine, D-1-00459
 (2,6-Dimethylphenyl)hydrazine, D-1-00460
 (3,4-Dimethylphenyl)hydrazine, D-1-00461
 (3,5-Dimethylphenyl)hydrazine, D-1-00462
 1,2-Dimethyl-3-(phenylmethyl)benzene, *see* D-1-00393
 1,2-Dimethyl-4-(phenylmethyl)benzene, *see* D-1-00397
 1,3-Dimethyl-2-(phenylmethyl)benzene, *see* D-1-00396
 1,3-Dimethyl-5-(phenylmethyl)benzene, *see* D-1-00398
 1,4-Dimethyl-2-(phenylmethyl)benzene, *see* D-1-00395
 2,4-Dimethyl-1-(phenylmethyl)benzene, *see* D-1-00394
 Dimethyl 2,2'-(phenylphosphinidene)bisacetate, *in* P-1-00092
 2,2-Dimethyl-1-phenyl-1-propylamine, D-1-00463
 ► 2,4-Dimethyl-*N*-phenyl-5-thiazolecarboxamide, *in* D-1-00469
N,N'-Dimethyl-*N*-phenylurea, D-1-00464
 3,6-Dimethylphosphafluorenic acid, *see* H-1-00087
 1,1'-Dimethyl 2,2'-phosphinobisacetate, *in* B-1-00137
 [2-(Dimethylphosphino)ethyl]phosphonous bis(dimethylamide), *see* D-1-00465
P-[2-(Dimethylphosphino)ethyl]-*N,N,N',N'*-tetramethylphosphonous diamide, D-1-00465
 Dimethylphosphinylacetic acid, D-1-00466
 3,3-Dimethyl-2-piperidinone, D-1-00467
 1,1-Dimethyl-10,11-propane-2,2-diylidene-1*H*-benzo[5,6]cycloocta[1,2,3,4-*def*]fluorene, *see* T-1-00084
 5,6-Dimethyl-2-pyrazinol, *see* H-1-00088
 5,6-Dimethyl-2(1*H*)-pyrazinone, *see* H-1-00088
 5,6-Dimethyl-2-pyridinamine, *see* A-1-00129
 5,6-Dimethyl-3-pyridinamine, *see* A-1-00128
 5,6-Dimethyl-3-pyridinol, *see* H-1-00089
 3,4-Dimethyl-1*H*-pyrrole-2,5-dicarboxaldehyde, D-1-00468
 4,4-Dimethyl-2-tetralone, *see* D-1-00271
 4,7-Dimethyltetralone, *see* T-1-00254
 ► 2,4-Dimethyl-1,3-thiazole-5-carboxanilide, *in* D-1-00469
 ► 2,4-Dimethylthiazole-5-carboxanilide, *in* D-1-00469
 2,4-Dimethyl-5-thiazolecarboxylic acid, D-1-00469
 2,2-Dimethyltolane, *see* B-1-00185
 3,3'-Dimethyltolane, *see* B-1-00186
 4,4'-Dimethyltolane, *see* B-1-00187
 8,8-Dimethyltricyclo[4.2.1.0^{3,7}]nonan-6-ol, D-1-00470
 Dimethyl [(2,2,2-trifluoro-1-hydroxy-1-trifluoromethyl)ethyl]phosphonate, *in* H-1-00031
 1,1-Dimethyl-2-(trifluoromethyl)diphosphine, D-1-00471
 Dimethyl [3-(trifluoromethyl)phenyl]phosphonate, *in* T-1-00185
 ► *N,N*-Dimethyltryptamine, D-1-00472
N,N-Dimethyltryptamine *N*-oxide, *in* D-1-00472
 2,2-Dimethylvaleric acid, *see* D-1-00452
 1,1-Dimethyl-3-vinylcyclobutane, D-1-00473
 Di-1-naphthalenyl ditelluride, D-1-00474
 Di-1-naphthalenylphosphonous acid, D-1-00475
 Di-1-naphthylphosphinous acid, *see* D-1-00475
 2,4-Dinitroacridine, D-1-00476
 2,6-Dinitroacridine, D-1-00477
 2,7-Dinitroacridine, D-1-00478
 1,3-Dinitroacridine (obsol.), *see* D-1-00476
 3,3'-Dinitro-2,2'-bipyridine, D-1-00479
 3,3'-Dinitro-2,4'-bipyridine, D-1-00480
 3,3'-Dinitro-4,4'-bipyridine, D-1-00481
 4,4'-Dinitro-2,2'-bipyridine, D-1-00482
 4,4'-Dinitro-3,3'-bipyridine, D-1-00483
 5,5'-Dinitro-2,2'-bipyridine, D-1-00484
 1,6-Dinitro-1,3,5-cycloheptatriene, D-1-00485
 1,1-Dinitroethene, *see* D-1-00486
 1,1-Dinitroethylene, D-1-00486
 (3,5-Dinitrophenyl)ethylene, *see* D-1-00487
 3,5-Dinitro-2-pyridinamine, *see* A-1-00130
 3,5-Dinitro-4-pyridinamine, *see* A-1-00132
 4,5-Dinitro-2-pyridinamine, *see* A-1-00131
 3,5-Dinitro-2-pyridinol, *see* H-1-00091
 3,5-Dinitro-2(1*H*)-pyridinone, *see* H-1-00091
 3,5-Dinitrostyrene, *see* D-1-00487
 1,3-Dinitro-5-vinylbenzene, D-1-00487
 Dioctyl disulfide, D-1-00488
 Dioctyl disulfone, *in* D-1-00488
 Diolan, *see* T-1-00241
 1,6-Dioxabenz[*a*]pyrene, *see* B-1-00028
 1,7-Dioxadisp[2.2.2]decane, D-1-00489
 1,5,2,4-Dioxadithiepane, D-1-00490
 2,5-Dioxa-1,6-hexanediol, *see* B-1-00174
 3,7-Dioxa[3.3.3]propellane, *see* P-1-00130
 3,7-Dioxa-10-thia[3.3.3]propellane, *see* M-1-00012
 3,8-Dioxatricyclo[5.3.1.1^{2,6}]dodeca-4,9-diene-11,12-dione, D-1-00491
 3,3'-(1,2-Dioxoethanediyl)bisbenzoic acid, *see* B-1-00009
 4,4'-(1,2-Dioxoethanediyl)bisbenzoic acid, *see* B-1-00010
 2,3-Dioxo-5-indolinesulfonic acid, *see* D-1-00274
 7,12-Dioxo-8,10-octadecadienoic acid, D-1-00492
 1,2-Dipalmitoylglycerol-3-phosphocholine, *see* G-1-00006
 Dipalmitoyllecithin, *see* G-1-00006
 Dipalmitoylphosphatidylcholine, *see* G-1-00006
 Dipentum, *see* O-1-00030
 1,3-Diphenoxypropane-*p,p'*-dicarboxylic acid, *see* P-1-00129
 4,4'-Diphenoxytolan, *in* B-1-00182
 α,α -Diphenylbenzenemethanethiol, *see* T-1-00261
 2,2'-Diphenyl[bi-1-cyclobuten-1-yl]-3,3',4,4'-tetraene, D-1-00493
 1,2-Diphenyl-2,3-butanediol, D-1-00494
 1,4-Diphenyl-1-buten-3-yne, D-1-00495
 5,5-Diphenyl-2-cyclopenten-1-ol, D-1-00496
 1,5-Diphenyl-1,5-diphosphocane, D-1-00497
 2,4-Diphenyl-1,3,2,4-diselenadiphosphetane 2,4-diselenide, D-1-00498
 Diphenyl dodecylphosphonate, *in* D-1-00552
 1,5-Diphenyl-3-formazancarbonitrile, *in* D-1-00499
 1,5-Diphenyl-3-formazancarboxylic acid, D-1-00499
 Diphenyl hexadecylphosphonate, *in* H-1-00027
 1,1-Diphenyl-1,5-hexadiene, D-1-00500
 2,2-Diphenyl-1,3-indanedione, D-1-00501
 2,2-Diphenyl-1*H*-indene-1,3-(2*H*)-dione, *see* D-1-00501
 3,3-Diphenyl-1(3*H*)-isobenzofuranthione, D-1-00502
 2,4-Diphenyl-5(2*H*)-isoxazolone, *in* H-1-00170
 Diphenyl(*l*-menthyl)phosphonite, *in* I-1-00078
N-(Diphenylmethylene)aniline, D-1-00503
N-(Diphenylmethylene)benzenamine, *see* D-1-00503
 (Diphenylmethyl)phosphonic acid, D-1-00504
 2,5-Diphenylnicotinic acid, *see* D-1-00515
 2,6-Diphenyl[1,3]oxazino[5,4-*d*][1,3]oxazine-4,8-dione, D-1-00505
 4,5-Diphenyl-2-oxazolidineselone, D-1-00506
 Diphenylphosphinecarboxylic acid, D-1-00507
 2-(Diphenylphosphino)-1,1'-binaphthalene, *see* B-1-00105
 2'-(Diphenylphosphino)-[1,1'-binaphthalene]-2-carboxylic acid, D-1-00508
 (Diphenylphosphinodithioato)phenyltellurium(II), D-1-00509
 [2-(Diphenylphosphino)ethyl]phosphonous bis(dimethylamide), *see* D-1-00510
P-[2-(Diphenylphosphino)ethyl]-*N,N,N',N'*-tetramethylphosphonous diamide, D-1-00510
 3-(Diphenylphosphino)pyridine, D-1-00511
 Diphenylphosphino(tellurothioperoxo)thioic acid, *see* D-1-00509

- 2-(Diphenylphosphino)-1,1,3,3-tetraphenyltriphosphine, D-1-00512
 2,3-Diphenyl-1,2-propanediol, D-1-00513
 1,3-Diphenyl-3-propen-1-ol, D-1-00514
 2,5-Diphenyl-3-pyridinecarboxylic acid, D-1-00515
 Diphenyl-3-pyridinylphosphine, *see* D-1-00511
 2,4-Diphenyl-1*H*-pyrrole-3-carboxylic acid, D-1-00516
 2,5-Diphenyl-1*H*-pyrrole-3-carboxylic acid, D-1-00517
 3,4-Diphenyl-1*H*-pyrrole-2-carboxylic acid, D-1-00518
 3,5-Diphenyl-1*H*-pyrrole-2-carboxylic acid, D-1-00519
 4,5-Diphenyl-1*H*-pyrrole-3-carboxylic acid, D-1-00520
 Diphenyl tetradecylphosphonate, *in* T-1-00019
N,5-Diphenyl-1,3,4-thiadiazol-2-amine, *in* A-1-00200
 2,5-Diphenyl-1,3,4-thiazophosphole, D-1-00521
 4,6-Diphenylthieno[3,4-*c*]-1,2,5-oxadiazole-5-*S*^{IV}, D-1-00522
 1,6-Diphosphabicyclo[4.4.0]decane, D-1-00523
 1,6-Diphosphabicyclo[4.3.0]nonane, D-1-00524
 1,6-Diphosphatricyclo[4.4.4.0]tetradecanedium(2+), D-1-00525
 1,6-Diphosphonia[4.4.4]propellane, *see* D-1-00525
 Diphosphonoacetylene, *see* E-1-00032
 ▶ Diprobutine, *see* P-1-00144
N,N'-Di-2-propenylurea, D-1-00526
 Dipropyl (1-acetoxyethyl)phosphonate, *in* A-1-00006
 4'-(Dipropylamino)-3',5'-dinitroacetophenone, *see* B-1-00407
 1-[4-(Dipropylamino)-3,5-dinitrophenyl]ethanone, *see* B-1-00407
 ▶ 1,1-Dipropylbutylamine, *see* P-1-00144
 Dipropyl chloroethynylphosphonate, *in* C-1-00094
 Dipropyl diselenide, D-1-00527
 Dipropyl (2-ethoxyethyl)phosphonite, *in* E-1-00011
 Dipropyl [4-(1-methylethyl)phenyl]phosphonate, *in* I-1-00081
 Dipropyl (1-methyl-1-nitroethyl)phosphonate, *in* M-1-00092
S,5-Dipropyl (4-nitrophenyl)phosphonodithioate, *in* N-1-00029
 Dipropyl (10-phenoxazinecarbonyl)phosphonate, *in* P-1-00038
 2,3-Di-2-pyridinyl-1*H*-pyrrole, D-1-00528
 [1,4]Diselenino[2,3-*c*:6,5-*c'*]diquinoline, D-1-00529
 1,4-Diselenomaleic acid cyclic anhydroselenide, *see* S-1-00002
 1,4-Diselenosuccinic acid cyclic anhydroselenide, *in* S-1-00002
 Disodium cyano-*aci*-nitroacetate, *in* C-1-00182
 1,2-Disupermesityldiphosphine, *see* B-1-00203
 1,4-Di(2-thenoyl)benzene, *see* P-1-00067
 1,5-Dithia-3-cyclooctanone, *see* D-1-00538
 1,4-Dithianonapentafulvalene, *see* C-1-00209
 1,2-Dithia[6]radialene, *see* T-1-00063
 1,4-Dithia[6]radialene, *see* T-1-00064
 1,3,2-Dithiazol-1-ium(1+), D-1-00530
 1,3,2-Dithiazol-4-one, D-1-00531
 5-(1,4,2-Dithiazol-5-ylidene)-1,4,2-dithiazole, *see* B-1-00103
 8*H*-Dithieno[3,2-*b*:2',3'-*e*]thiopyran-8-one, D-1-00532
 1,3-Di-2-thienylbenzo[*c*]thiophene, D-1-00533
 1,4-Di-2-thienyl-2-butene-1,4-dione, D-1-00534
 1,3-Di-2-thienyl-2-propen-1-one, D-1-00535
 1,2-Dithiepan-4-amine, *in* A-1-00189
 1,2-Dithiepan-5-amine, *in* A-1-00190
 [1,4]Dithiino[2,3-*b*:5,6-*b'*]dipyrazine, D-1-00536
 2,2'-Dithiobis(1*H*-indole-3-acetic acid), *in* D-1-00332
 ▶ 2,2'-Dithiobis[2-methylpropanal], D-1-00537
 1,5-Dithioan-3-one, D-1-00538
 ▶ α,α' -Dithiodiisobutyraldehyde, *see* D-1-00537
 Dithioglutaramide, *see* P-1-00124
 1,3-Dithiole-2-thione-4,5-dicarboxylic acid, *see* T-1-00136
 2-(1,3-Dithiol-2-yl)-1,3-dithiol-1-ium(1+), D-1-00539
 2-(1,3-Dithiol-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-*b*][1,4]dithiin, D-1-00540
 2-(1,3-Dithiol-2-ylidene)-1,3-dithiole-4-carboxylic acid, *see* T-1-00106
 2-(1,3-Dithiol-2-ylidene)-1,3-dithiole-4-methanol, *see* H-1-00147
 2-(1,3-Dithiol-2-ylidene)-5-(4*H*-thiopyran-4-ylidene)[1,3]dithiolo[4,5-*d*]-1,3-dithiole, D-1-00541
 2-(1',3'-Dithiol-2-ylidene)-5-(thiopyran-4'-ylidene)-1,3,4,6-tetrathiapentalene, *see* D-1-00541
 Dithioquinacridone, *see* D-1-00327
 8-(1,3-Dithio-2-ylidene)-8*H*-dithieno[3,2-*b*:2',3'-*e*]thiopyran, D-1-00542
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 Di-*o*-tolylacetylene, *see* B-1-00185
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 ▶ DMT, *see* D-1-00472
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 4,8-Dodecadiyn-1-ol, D-1-00544
 5,10-Dodecadiyn-1-ol, D-1-00545
 1,1,2,2,3,3,4,4,5,5,6,6-Dodecafluoro-1,6-diiodohexane, D-1-00546
 5,7,8,10,11,13,18,20,21,23,24,26-Dodecahydrodibenzof[*i,l*][1,4,7,12,15,18]hexaoxacyclodocosin, *see* D-1-00125
 1,2,3,4,5,6,7,8,9,10,11,12-Dodecahydro[1,4:5,8:9,12]trimethanotriphenylene, D-1-00547
 1,11-Dodecanediol, D-1-00548
 1,4,7,10,13,16,19,22,25,28,31,34-Dodecaoxacyclohexatriacontane, *see* C-1-00176
 3,6,9-Dodecatricarboxylic acid, D-1-00549
N-Dodecyl-*N,N*-dimethyl-1-dodecanaminium, *see* D-1-00221
 1-Dodecyl-naphthalene, D-1-00550
 2-Dodecyl-naphthalene, D-1-00551
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 ▶ Ecapon, *see* T-1-00232
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 Eicosafuoro-15-crown-5, *see* P-1-00031
 Eicosafuorononane, E-1-00001
 2,2,3,3,5,5,6,6,8,8,9,9,11,11,12,12,14,14,15,15-Eicosafuoro-1,4,7,10,13-pentaoxacyclopentadecane, *see* P-1-00031
 1,20-Eicosanediol, E-1-00002
 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46,49,52,55,58-Eicosaoctacyclohexacontane, *see* C-1-00179
 10-Eicosene, E-1-00003
 4-Eicosenoic acid, E-1-00004
 Eilatol, *see* D-1-00127
 ▶ Emportal, *see* L-1-00001
 ▶ Epinoval, *in* D-1-00227
 1,3-Epithio-1*H*,3*H*-naphtho[1,8-*c,d*][1,2,6]thiadiphosphorin 1,3-disulfide, E-1-00005
 2,3-Epoxycinnamaldehyde, *see* P-1-00086
 5,6-Epoxy-1,2,3,4-cyclohexanetetrol, E-1-00006
 3,4-Epoxy-cyclopentene, *see* O-1-00032
 2,3-Epoxy-1,4-diphenylbutene, *see* D-1-00133
 16,17-Epoxyestra-1,3,5(10)-trien-3-ol, E-1-00007
 2-(Epoxyethyl)benzoic acid, *see* O-1-00035
 3-(Epoxyethyl)benzoic acid, *see* O-1-00036
 4-(Epoxyethyl)benzoic acid, *see* O-1-00037
m-(Epoxyethyl)benzonitrile, *in* O-1-00036
p-(Epoxyethyl)benzonitrile, *in* O-1-00037
 1,2-Epoxynonane, *see* H-1-00021
 8,8a-Epoxyoctahydro-1,1,5,5-tetramethyl-2*H*-2,4a-methanonaphthalene, *see* I-1-00070
 2,3-Epoxy-1-phenyl-1-propanol, *see* P-1-00087
 2,3-Epoxy-4,5,6-trihydroxy-1-cyclohexanemethanol, *see* C-1-00218
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 ▶ Ethanecarboxylic acid, *see* P-1-00131
 2,2'-[1,2-Ethanediylbis(oxy)]bisbenzaldehyde, *see* E-1-00015
 1,2-Ethanediylbis(oxy)bismethanol, *see* B-1-00174
 2,2'-(1,2-Ethanediyl)bisphenol, *see* D-1-00338
 3,3'-(1,2-Ethanediyl)bisphenol, *see* D-1-00339
 4,4'-(1,2-Ethanediyl)bisphenol, *see* D-1-00340
 1,1,1-Ethannetricarboxylic acid, E-1-00008
 1,1,1-Ethannetricarboxylic acid, E-1-00009
 1,2-Ethenediylbisphosphonic acid, E-1-00010
 1,1',1'',1'''-(1,2-Ethenediylidene)tetrakis(cyclohexane), *see* T-1-00015
 2-Ethenylcyclobutanol, *see* V-1-00001
 2-Ethenyl-2,3-dihydro-2-methylfuran, *see* D-1-00311
 3-Ethenyl-1,1-dimethylcyclobutane, *see* D-1-00473
 1-Ethenyl-3,5-dinitrobenzene, *see* D-1-00487
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 3-Ethenylisoxazole, *see* V-1-00002
 1-Ethenyl-2-(1-methylpropyl)cyclohexanol, *see* M-1-00126
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 4-Ethenyl-2-oxazolidinone, *see* V-1-00003
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 4-Ethenylpiperidine, *see* V-1-00007
 1-Ethenyl-1*H*-pyrrole, *see* V-1-00008
 (Ethenylseleno)benzene, *see* P-1-00099
P-Ethenyl-*N,N,N,N'*-tetraethylphosphonous amide, *in* V-1-00004
P-Ethenyl-*N,N,N,N'*-tetrakis(1-methylethyl)phosphonous diamide, *in* V-1-00004
P-Ethenyl-*N,N,N,N'*-tetrakis(trimethylsilyl)phosphonous diamide, *in* V-1-00004
P-Ethenyl-*N,N,N,N'*-tetramethylphosphonous diamide, *in* V-1-00004
P-Ethenyl-*N,N,N,N'*-triethylphosphonic amide, *in* E-1-00031
 1-Ethenyl-2-(trifluoromethyl)benzene, *see* T-1-00216
 1-Ethenyl-3-(trifluoromethyl)benzene, *see* T-1-00217
 1-Ethenyl-4-(trifluoromethyl)benzene, *see* T-1-00218
 1-Ethoxycarbonylpyrrolidine, *in* P-1-00186
 4-Ethoxy-4,6-dimethyl-1,5-heptadiene, *in* D-1-00407
 2-Ethoxy-3,5-dinitropyridine, *in* H-1-00091
 (2-Ethoxyethyl)phosphonous acid, E-1-00011
 10-Ethoxy-10-methyl-9(10*H*)-anthracenone, *in* H-1-00104
 1-Ethoxy-1-octyne, E-1-00012
 4-(4-Ethoxyphenyl)-4-oxobutanenitrile, *in* H-1-00171
 ▶ 4-(4-Ethoxyphenyl)-4-oxobutanoic acid, *in* H-1-00171
 1-Ethoxyphosphetane 1-oxide, *in* P-1-00117
 2-Ethoxy-5-(1-propenyl)phenol, *in* P-1-00132
 2-Ethoxy-2,3,3,3-tetrafluoropropanoic acid, *in* T-1-00027
 1-Ethoxy-2,2,2-trifluoroethanol, *in* T-1-00223
 (2-Ethoxyvinyl)phosphonous acid, *see* E-1-00011
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 7-Ethylamino-6-methyl-4-trifluoromethylcoumarin, *in* A-1-00184
 Ethyl (3-aminopropyl)phenylphosphinate, *in* A-1-00202
 Ethyl bis(3-bromophenyl)phosphinite, *in* B-1-00135
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 2-Ethyl-1-butene-1,1-dicarboxylic acid, *see* E-1-00025
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- Ethyl cyanide, *in* P-1-00131
 2-Ethyl-1,3-cyclopentanedione, E-1-00013
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 Ethyl(diethoxyphosphino)acetate, *in* D-1-00224
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 2,2'-Ethyleneedioxybisbenzaldehyde, E-1-00015
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 Ethyl ethylvinylphosphinate, *in* E-1-00031
 1-Ethylhexylamine, *see* O-1-00027
 3-Ethyl-4-hydroxy-3-penten-2-one, *see* E-1-00020
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 Ethyl iodo(triphenylphosphoranylidene)acetate, *in* I-1-00065
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 3-Ethyl-7-isopropyl-1-azulenesulfonic acid, E-1-00016
 Ethyl(2-isopropyl-5-methylcyclohexyl)phosphinous chloride, E-1-00017
 Ethyllinalool, *see* D-1-00451
 Ethyllinalyl acetate, *in* D-1-00451
 Ethylmethylphosphinous chloride, *in* E-1-00017
 2-Ethyl-3-mercaptopropanoic acid, *see* M-1-00009
 3-Ethyl-7-(1-methylethyl)-1-azulenesulfonic acid, *see* E-1-00016
 Ethyl[5-methyl-2-(1-methylethyl)cyclohexyl]phosphinous chloride, *see* E-1-00017
 Ethyl methylphosphonocyanidate, *in* M-1-00119
 2-Ethyl-3-methylthiophene, E-1-00018
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 3-Ethylpentanoic acid, E-1-00021
 α -Ethylphenylalanine, *see* A-1-00134
 7-Ethyl-7-phenylbenzo[e]naphtho[2,1-b]phosphindolium iodide, *in* P-1-00047
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 (1-Ethylpropylidene)propanedioic acid, E-1-00025
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 5-Ethyl-1*H*-tetrazole, E-1-00027
 5-Ethyl-1,2,3-thiadiazole, E-1-00028
 3-(Ethylthio)-4*H*-1-benzopyran-4-one, *in* M-1-00007
 2-(Ethylthio)-1,3-butadiene, E-1-00029
 4-(Ethylthio)-2-butanone, *in* M-1-00008
 1-(Ethylthio)-1-buten-3-yne, E-1-00030
 2-(Ethylthio)-2-methylpropanal, *in* M-1-00010
O-Ethyl (2,4,6-tri-*tert*-butylphenyl)phosphonodithioate, *in* T-1-00156
 Ethylvinylphosphonic acid, E-1-00031
 1,1'-(1,2-Ethynediyl)bis[4-ethoxybenzene], *in* B-1-00182
 1,1'-(1,2-Ethynediyl)bis[2-methoxybenzene], *in* B-1-00180
 1,1'-(1,2-Ethynediyl)bis[3-methoxybenzene], *in* B-1-00181
 1,1'-(1,2-Ethynediyl)bis[4-methoxybenzene], *in* B-1-00182
 1,1'-(1,2-Ethynediyl)bis[2-methylbenzene], *see* B-1-00185
 1,1'-(1,2-Ethynediyl)bis[3-methylbenzene], *see* B-1-00186
 1,1'-(1,2-Ethynediyl)bis[4-methylbenzene], *see* B-1-00187
 1,1'-(1,2-Ethynediyl)bis(pentacyclo[4.2.0.0^{2.5}.0^{3.8}.0^{4.7}]octane), *see* D-1-00206
 2,2'-(1,2-Ethynediyl)bisphenol, *see* B-1-00180
 3,3'-(1,2-Ethynediyl)bisphenol, *see* B-1-00181
 4,4'-(1,2-Ethynediyl)bisphenol, *see* B-1-00182
 1,1'-(1,2-Ethynediyl)bis[4-phenoxybenzene], *in* B-1-00182
 1,2-Ethynediylbisphosphonic acid, E-1-00032
 1,2-Ethynediylbis(triphenylbis(phenylethynyl)phosphorane), E-1-00033
 3-(8-Ethynyl-1-anthracenyl)-2-propynal, *see* E-1-00038
 2-Ethynyl-1,1'-biphenyl, E-1-00034
 3-Ethynyl-1,1'-biphenyl, E-1-00035
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 Ethynylcubane, E-1-00037
 2,2'-Ethynylenediphenol, *see* B-1-00180
 3,3'-Ethynylenediphenol, *see* B-1-00181
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 8-Ethynyl-1-(2-formylethynyl)anthracene, E-1-00038
 2-Ethynyl-4-hydroxypyrimidine, E-1-00039
 2-Ethynyl-4-methoxypyrimidine, *in* E-1-00039
 5-Ethynyl-2-naphthalenecarboxylic acid, E-1-00040
 Ethynyl phenyl selenide, *see* P-1-00097
 2-Ethynyl-4-pyrimidinol, *see* E-1-00039
 2-Ethynyl-4(1*H*)-pyrimidinone, *see* E-1-00039
 1-Ethynyl-1*H*-pyrrole, E-1-00041
 2-Ethynyl-1*H*-pyrrole, E-1-00042
 3-Ethynyl-1*H*-pyrrole, E-1-00043
 (Ethynylseleno)benzene, *see* P-1-00097
 7-Ethynyl-2-tetralone, *see* D-1-00279
 Eudistomin U, *see* I-1-00021
 Exosurf, *see* G-1-00006
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 ► Feniodium chloride, *in* B-1-00145
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 9*H*-Fluorene-2-ethanol, F-1-00002
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 2-(9-Fluorenyl)ethanol, *see* F-1-00004
 9*H*-Fluoren-9-ylphosphonous acid, F-1-00005
 2-(2-Fluorenyl)propanoic acid, F-1-00006
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 4'-Fluoro-1'-acetanaphthone, *see* A-1-00029
 3-Fluoro-*o*-anisaldehyde, *in* F-1-00020
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p-Fluorobenzal bromide, *see* D-1-00153
m-Fluorobenzal chloride, *see* D-1-00185
o-Fluorobenzal chloride, *see* D-1-00184
p-Fluorobenzal chloride, *see* D-1-00186
 2-Fluorobenzene, *see* F-1-00007
 3-Fluorobenzene, *see* F-1-00008
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 1-Fluoro-6-formylphenol, *see* F-1-00020
 5'-Fluoro-2'-hydroxyacetophenone, F-1-00019
 3-Fluoro-2-hydroxybenzaldehyde, F-1-00020
 3-Fluoro-4-hydroxybenzaldehyde, F-1-00021
 5-Fluoro-2-hydroxybenzaldehyde, F-1-00022
 4-Fluoro-4'-hydroxybenzophenone, F-1-00023
 2-Fluoro-4-(hydroxymethyl)-2-buten-4-olide, *see* F-1-00024
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 5-Fluoro-1*H*-indole-2,3-dione, F-1-00025
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 3-Fluoro- α -methylbenzenemethanol, *see* F-1-00051
 5-Fluoro-2-methylbenzothiazole, F-1-00029
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 2-Fluoro-2-phenyladamantane, F-1-00049
 2-Fluoro- α -phenylbenzenemethanol, *see* F-1-00015
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 1-(3-Fluorophenyl)ethanol, F-1-00051
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triphenylphosphonium(1+), *see* F-1-00010
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- 4-Fluoro-2-(trifluoromethyl)aniline, F-1-00058
- 5-Fluoro-2-(trifluoromethyl)aniline, F-1-00059
- 2-Fluoro-3-(trifluoromethyl)benzenamine, *see* F-1-00056
- 2-Fluoro-5-(trifluoromethyl)benzenamine, *see* F-1-00057
- 4-Fluoro-2-(trifluoromethyl)benzenamine, *see* F-1-00058
- 5-Fluoro-2-(trifluoromethyl)benzenamine, *see* F-1-00059
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- 6-Fluorotryptophan, F-1-00061
- 2-Fluoroundecanoic acid, F-1-00062
- ▶ Fluropropiofenone, *see* T-1-00232
- Folenox, *see* I-1-00070
- Formaldehyde dibutyl acetal, *see* D-1-00165
- 2-Formylacetophenone, *see* A-1-00008
- 3-Formylacetophenone, *see* A-1-00009
- 4-Formylacetophenone, *see* A-1-00010
- 3-(Formylamino)-6,7-dihydroxycoumarin, *in* A-1-00123
- m*-Formylbenzeneboronic acid, *see* F-1-00064
- ▶ *o*-Formylbenzeneboronic acid, *see* F-1-00063
- p*-Formylbenzeneboronic acid, *see* F-1-00065
- 4-Formylbenzo[c][1,5]naphthyridine, *see* B-1-00020
- 1-Formylbenzo[f][1,7]naphthyridine, *see* B-1-00021
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- m*-Formylbenzophenone, *see* B-1-00040
- p*-Formylbenzylphosphonic acid, *see* F-1-00066
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- 6-Formyl-2,2'-bipyridine, *see* B-1-00116
- 4-Formyl-3-butenic acid, *see* O-1-00052
- 4-Formylcrotonic acid, *see* O-1-00051
- 3-Formyl-2,6-dimethyl-4(1*H*)-pyridinone, *see* H-1-00090
- 4-Formyl-5-hydroxybenzofuran, *see* H-1-00059
- 4-Formyl-7-hydroxybenzofuran, *see* H-1-00063
- 5-Formyl-4-hydroxybenzofuran, *see* H-1-00057
- 5-Formyl-6-hydroxybenzofuran, *see* H-1-00061
- 6-Formyl-5-hydroxybenzofuran, *see* H-1-00060
- 7-Formyl-4-hydroxybenzofuran, *see* H-1-00058
- 7-Formyl-6-hydroxybenzofuran, *see* H-1-00062
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- 2-Formyl-3-hydroxybenzyl formate, *in* H-1-00098
- 2-Formyl-2'-hydroxybiphenyl, *see* H-1-00065
- 3-Formyl-4-hydroxybiphenyl, *see* H-1-00067
- 4-Formyl-3-hydroxybiphenyl, *see* H-1-00066
- 4-Formyl-4'-hydroxybiphenyl, *see* H-1-00068
- 5-Formyl-2-hydroxybiphenyl, *see* H-1-00069
- 6-Formyl-2-hydroxycarbazole, *see* H-1-00070
- 1-Formyl-4-iodocubane, *see* I-1-00026
- 3-Formylisothiazole, *see* I-1-00085
- 4-Formylisothiazole, *see* I-1-00086
- 5-Formylisothiazole, *see* I-1-00087
- 3-Formyl-3-methylcyclohexene, *see* M-1-00046
- 3-Formyl-6-methylcyclohexene, *see* M-1-00049
- 4-Formyl-1-methylcyclohexene, *see* M-1-00050
- 4-Formyl-4-methylcyclohexene, *see* M-1-00047
- (Formylmethyl)trimethylammonium, *see* T-1-00246
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- 5-Formylnorvaline, *see* A-1-00186
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- 3-Formyl-4-phenanthrol, *see* H-1-00164
- 4-Formyl-3-phenanthrol, *see* H-1-00162
- 9-Formyl-3-phenanthrol, *see* H-1-00163
- 10-Formyl-9-phenanthrol, *see* H-1-00165
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- 1-Formyl-2-phenylcyclopropane, *see* P-1-00061
- ▶ (2-Formylphenyl)dihydroxyborane, *see* F-1-00063
- (3-Formylphenyl)dihydroxyborane, *see* F-1-00064
- (4-Formylphenyl)dihydroxyborane, *see* F-1-00065
- [[4-Formylphenyl]methyl]phosphonic acid, F-1-00066
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- N*-Formylpiperazine, *see* P-1-00121
- 2-Formyl-3-(2-pyridinyl)thiophene, *see* P-1-00163
- 2-Formyl-3-(3-pyridinyl)thiophene, *see* P-1-00164
- 2-Formyl-3-(4-pyridinyl)thiophene, *see* P-1-00165
- 2-Formyl-4-(3-pyridinyl)thiophene, *see* P-1-00166
- 2-Formyl-4-(4-pyridinyl)thiophene, *see* P-1-00167
- 4-Formyl-1,2,3-thiadiazole, *see* T-1-00107
- Fortesol, *see* D-1-00470
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- Fructofuranosyl fluoride, F-1-00068
- Fructopyranosyl bromide, F-1-00069
- Fructopyranosyl chloride, F-1-00070
- Fructopyranosyl fluoride, F-1-00071
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- Gallin, G-1-00005
- ▶ Getol, *see* B-1-00204
- α-Glutaconaldehydic acid, *see* O-1-00052
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- Glycerol 1,2-dihexadecanoate 3-phosphocholine, G-1-00006
- Glycol dimethacrylate, G-1-00007
- cyclo*-Glycylphenylglycyl, *see* P-1-00094
- ▶ Go 9333, *see* N-1-00023
- ▶ Gosio gas, *see* T-1-00236
- 1-Guanylpiperazole, *see* P-1-00154
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- Gulofuranosyl chloride, G-1-00009
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- Gulopyranosyl chloride, G-1-00011
- Habropetalal, *see* M-1-00028
- Hamamelonic acid, *see* H-1-00146
- Hectane, H-1-00001
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heneicosafluorodecane, H-1-00002
- 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heneicosafuoro-10-iododecane, H-1-00003
- 5*H*-Heptabenzof[*a,d,g,j,m,p,s*]cycloheptacosene-5,10,15,20,25,30,35-heptone, H-1-00004
- 1,3,4,5,6,7,8-Heptachloro-2-naphthalenecarboxylic acid, H-1-00005
- 1,2,3,4,5,6,8-Heptachloro-7-(trichloromethyl)naphthalene, H-1-00006
- 1,18-Heptacosadiene, H-1-00007
- 1,17-Heptadecanediol, H-1-00008
- 2,4-Heptadecanediene, H-1-00009
- 10-Heptadecen-1-ol, H-1-00010
- 16-Heptadecen-1-ol, H-1-00011
- 2,2,3,3,4,4,4-Heptafluoro-1-butylamine, H-1-00012
- 3,3,4,4,5,5,5-Heptafluoro-1-pentene, H-1-00013
- 2,2,3,3,4,4,4-Heptafluoro-1-phenyl-1-butanone, H-1-00014
- 1,1,1,2,3,3,3-Heptafluoropropane, H-1-00015
- 3-Hepten-1-yne, H-1-00016
- 4-Hepten-6-yn-1-ol, H-1-00017
- Heptylcyclopentane, H-1-00018
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- 2-Heptylnaphthalene, H-1-00020
- Heptyloxirane, H-1-00021
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- ▶ α,α,α,α',α'-Hexachloro-*p*-xylene, *see* B-1-00204
- ▶ Hexachlorxylol, *see* B-1-00204
- 1,2,3,4,5,6-Hexacyano-1,6-bis(triphenylphosphoranylidene)-2,4-hexadiene, *see* B-1-00216
- Hexacyclo[6.4.2.0^{2,7}.0^{3,11}.0^{6,10}.0^{9,12}]tetradecane, H-1-00022
- 5,6,7,8,13,14,15,16,21,23,24,29,30,31,32-Hexadecadicyclotetradecano[*a,g,m,s*]cyclohexadiene, H-1-00023
- Hexadecafluorobicyclopentylidene, H-1-00024
- Hexadecafluoro-12-crown-4, *see* P-1-00030
- Hexadecafluorodecanedioic acid, H-1-00025
- 2,2,3,3,5,5,6,6,8,8,9,11,11,12,12-Hexadecafluoro-1,4,7,10-tetraoxacyclododecane, *see* P-1-00030
- 1-Hexadecanephosphonic acid, *see* H-1-00027
- 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46-Hexadecaoxacyclooctatetracontane, *see* C-1-00178
- 15-Hexadecen-1-ol, H-1-00026
- Hexadecylphosphonic acid, H-1-00027
- 4,5-Hexadien-1-amine, H-1-00028
- 1,1,1,6,6,6-Hexafluoro-2,5-bis(trifluoromethyl)-2,3,4-hexatriene, H-1-00029
- 1,1,2,2,3,3-Hexafluoro-1,3-diphenylpropane, H-1-00030
- 1,1,1,3,3,3-Hexafluoro-2-hydroxy-2-propanephosphonic acid, H-1-00031
- Hexafluoro-2-methylisopropanol, *see* H-1-00032
- 1,1,1,3,3,3-Hexafluoro-2-methyl-2-propanol, H-1-00032
- 1,1'-(1,1,2,2,3,3-Hexafluoro-1,3-propanediyl)bisbenzene, *see* H-1-00030
- α,α,α,α',α'-Hexafluoro-2,5-xylidine, *see* B-1-00207
- α,α,α,α',α'-Hexafluoro-3,5-xylidine, *see* B-1-00208
- 1,2,3,5,10,10a-Hexahydrobenzo[*f*]indolizine-3,10-dione, *see* H-1-00046
- 5,9,11,16,20,22-Hexahydro-7*H*,18*H*-benzo[1,2-*d*:4,5-*d'*]bis[2,7]benzodithiecin, H-1-00033
- 1,2,3,4,4a,10a-Hexahydro[1,4]benzodioxino[2,3-*c*]pyridine, H-1-00034
- 1,3,4,5,6,7-Hexahydrobenzo[*c*]furan, H-1-00035
- Hexahydro-1*H*-cyclohepta[*c*]furan-1,3-(3*aH*)-dione, *in* C-1-00192
- 5,7,10,12,17,24-Hexahydro-19*H*,22*H*-8,21,9,20-dimethenodibenzo[*c,m*][1,6,11,16]tetrathiacycloicosin, H-1-00036

- Hexahydro-4a,4b-dimethylcyclobuta[1,2-d:4,3-d']
dipyrimidine-2,4,5,7(3*H*,6*H*)-tetrone,
H-1-00037
- 1,4,5,6,7,7a-Hexahydro-4,7a-dimethyl-2*H*-inden-
2-one, H-1-00038
- 1,4,5,6,7,7a-Hexahydro-7,7a-dimethyl-2*H*-inden-
2-one, H-1-00039
- 3,3a,4,5,6,7-Hexahydro-1,3a-dimethyl-2*H*-inden-
2-one, H-1-00040
- Hexahydro-1*H*-[1,2]diphospholo[1,2-*a*][1,2]
diphosphorin, *see* D-1-00524
- 10,15,20,25,30,35-Hexahydro-5*H*-
heptabenz[*a,d,g,j,m,p,s*]cycloheicosene,
H-1-00041
- 1,3,3a,4,7,7a-Hexahydro-2*H*-inden-2-one,
H-1-00042
- 1,2,3,6,7,7a-Hexahydro-5*H*-inden-5-one,
H-1-00043
- (Hexahydro-6-methyl-2-oxo-4-pyrimidinyl)urea,
H-1-00044
- 1,3,4,6,7,11*b*-Hexahydro-2*H*-pyrazino[2,1-*a*]
isoquinoline, H-1-00045
- 1,2,3,5,10,10*a*-Hexahydropryrolo[1,2-*b*]
isoquinoline-3,10-dione, H-1-00046
- Hexahydro-6*b**H*-2*a*,4*a*,6*a*-triazacyclopenta[*cd*]
pentalene, *see* T-1-00144
- [(Hexahydro-1*H*-1,4,7-triazonine-1,4,7-triyl)tri-
2,1-ethanediyl]triphosphonic acid, *see*
T-1-00268
- Hexakis(chloromethyl)benzene, H-1-00047
- Hexakis(4-dimethylamino-1-pyridinio)benzene,
see B-1-00004
- Hexamethylenecyclopropenone, *see* B-1-00095
- Hexamethyltellurium, H-1-00048
- 2-Hexen-6-olide, *see* D-1-00317
- 3-Hexen-6-olide, *see* D-1-00316
- Hexylcyclopentane, H-1-00049
- Hexyl ether, *see* D-1-00256
- 1-Hexylnaphthalene, H-1-00050
- 2-Hexylnaphthalene, H-1-00051
- Hexyl nitrate, H-1-00052
- Hippuroflavine, *see* D-1-00505
- Hippurorubrine, *see* B-1-00106
- syn*-(Hydro,ethynyl)binane, *see* D-1-00235
- Hydroperoxycyclohexane, *see* C-1-00201
- Hydroquinone-2,3-diphosphonic acid, *see*
D-1-00335
- Hydroquinone-2,5-diphosphonic acid, *see*
D-1-00336
- meso*-Hydrovanilloin, *in* B-1-00150
- Hydroveratroin, *in* B-1-00150
- (Hydroxyacetyl)cyclohexane, *see* C-1-00202
- 5-Hydroxyadamantanone, H-1-00053
- 4'-Hydroxyazobenzene-2-carboxylic acid,
H-1-00054
- 4-Hydroxy-1,3-benzodioxol-2-one, H-1-00055
- 5-Hydroxy-1,3-benzodioxol-2-one, H-1-00056
- 4-Hydroxy-5-benzofurancarboxaldehyde,
H-1-00057
- 4-Hydroxy-7-benzofurancarboxaldehyde,
H-1-00058
- 5-Hydroxy-4-benzofurancarboxaldehyde,
H-1-00059
- 5-Hydroxy-6-benzofurancarboxaldehyde,
H-1-00060
- 6-Hydroxy-5-benzofurancarboxaldehyde,
H-1-00061
- 6-Hydroxy-7-benzofurancarboxaldehyde,
H-1-00062
- 7-Hydroxy-4-benzofurancarboxaldehyde,
H-1-00063
- 1-(4-Hydroxy-5-benzofuranyl)ethanone, *see*
A-1-00030
- 4-Hydroxy-5-benzofuranyl methyl ketone, *see*
A-1-00030
- 3-(4-Hydroxybenzoyl)propanoic acid, *see*
H-1-00171
- (2'-Hydroxy[1,1'-binaphthalen]-2-yl)
diphenylphosphine, H-1-00064
- 2'-Hydroxy-2-biphenylcarboxaldehyde,
H-1-00065
- 3-Hydroxy-4-biphenylcarboxaldehyde,
H-1-00066
- 4-Hydroxy-3-biphenylcarboxaldehyde,
H-1-00067
- 4'-Hydroxy-4-biphenylcarboxaldehyde,
H-1-00068
- 6-Hydroxy-3-biphenylcarboxaldehyde,
H-1-00069
- 5-Hydroxy-2,2'-bithiophene, *see* B-1-00220
- 3-Hydroxybutyrophenone, *see* H-1-00167
- 7-Hydroxy-9*H*-carbazole-3-carboxaldehyde,
H-1-00070
- 7-Hydroxy-4-chromanone, *see* D-1-00280
- 6-Hydroxychromone-2-carboxylic acid, *see*
H-1-00158
- 7-Hydroxychromone-2-carboxylic acid, *see*
H-1-00159
- 8-Hydroxychromone-2-carboxylic acid, *see*
H-1-00160
- 6-Hydroxy-1,4-cycloheptanedione, H-1-00071
- 2-Hydroxycycloheptanone, H-1-00072
- 4-Hydroxycycloheptanone, H-1-00073
- 2-Hydroxycycloheptimidazole, *see* C-1-00193
- 3-Hydroxycyclohexanone, H-1-00074
- (1-Hydroxycyclohexyl)phenylmethanone, *see*
B-1-00048
- 3-Hydroxycyclopentaneacetic acid, H-1-00075
- 5-Hydroxy-1-cyclopentene-1-carboxylic acid,
H-1-00076
- 9-Hydroxydecalin, *see* O-1-00016
- 2-Hydroxy-1,3-diazaazulene, *see* C-1-00193
- 1-Hydroxydicyclopentadiene, *see* T-1-00040
- 4-Hydroxy-5,7-dimethoxy-2-
naphthalenecarboxylic acid, *in* T-1-00230
- (2-Hydroxy-4,6-dimethoxyphenyl)phosphonic
acid, *in* T-1-00231
- P*-(2-Hydroxy-4,6-dimethoxyphenyl)-*N,N,N',N'*-
tetramethylphosphonic diamide, *in* T-1-00231
- 2'-Hydroxy-3',4'-dimethylacetophenone,
H-1-00077
- 2'-Hydroxy-3',5'-dimethylacetophenone,
H-1-00078
- 2'-Hydroxy-4',5'-dimethylacetophenone,
H-1-00079
- 2'-Hydroxy-4',6'-dimethylacetophenone,
H-1-00080
- 4-Hydroxy-2',3'-dimethylacetophenone,
H-1-00081
- 4'-Hydroxy-2',5'-dimethylacetophenone,
H-1-00082
- 4'-Hydroxy-2',6'-dimethylacetophenone,
H-1-00083
- 4'-Hydroxy-3',5'-dimethylacetophenone,
H-1-00084
- 5'-Hydroxy-2',4'-dimethylacetophenone,
H-1-00085
- 5-Hydroxy-2,7-dimethyl-4*H*-1-benzopyran-4-one,
H-1-00086
- 5-Hydroxy-2,7-dimethylchromone, *see*
H-1-00086
- 3-Hydroxy-2,5-dimethyl-2-cyclohexen-1-one, *see*
D-1-00383
- 5-Hydroxy-2,8-dimethyl-5*H*-dibenzophosphole
5-oxide, H-1-00087
- 1-(2-Hydroxy-3,4-dimethylphenyl)ethanone, *see*
H-1-00077
- 1-(2-Hydroxy-3,5-dimethylphenyl)ethanone, *see*
H-1-00078
- 1-(2-Hydroxy-4,5-dimethylphenyl)ethanone, *see*
H-1-00079
- 1-(2-Hydroxy-4,6-dimethylphenyl)ethanone, *see*
H-1-00080
- 1-(4-Hydroxy-2,3-dimethylphenyl)ethanone, *see*
H-1-00081
- 1-(4-Hydroxy-2,5-dimethylphenyl)ethanone, *see*
H-1-00082
- 1-(4-Hydroxy-2,6-dimethylphenyl)ethanone, *see*
H-1-00083
- 1-(4-Hydroxy-3,5-dimethylphenyl)ethanone, *see*
H-1-00084
- 5-Hydroxy-*N,N*-dimethyl-2-
phosphorincarbamide, *in* H-1-00172
- 5-Hydroxy-2,3-dimethylpyrazine, H-1-00088
- 5-Hydroxy-2,3-dimethylpyridine, H-1-00089
- 4-Hydroxy-2,6-dimethyl-3-
pyridinecarboxaldehyde, H-1-00090
- 2-Hydroxy-3,5-dinitropyridine, H-1-00091
- m*-Hydroxydiphenylacetylene, *see* P-1-00071
- o*-Hydroxydiphenylacetylene, *see* P-1-00070
- p*-Hydroxydiphenylacetylene, *see* P-1-00072
- 2-Hydroxy-2'-(diphenylphosphinyl)-1,1'-
binaphthyl, *see* H-1-00064
- 3-Hydroxy-2,3-diphenylpropanoic acid,
H-1-00092
- 4-Hydroxy-1,3,2-dithiazol-1-ium inner salt, *see*
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- 2-Hydroxyethanesulfinic acid, H-1-00093
- 4-(1-Hydroxyethyl)benzoic acid, H-1-00094
- 2-(2-Hydroxyethyl)fluorene, *see* F-1-00002
- 4-(2-Hydroxyethyl)fluorene, *see* F-1-00003
- 9-(2-Hydroxyethyl)fluorene, *see* F-1-00004
- 2-Hydroxy-3-hexanone, H-1-00095
- 5-Hydroxy-2-hexenal, H-1-00096
- 6-Hydroxy-2-hexenoic acid, H-1-00097
- 2-Hydroxy-6-(hydroxymethyl)benzaldehyde,
H-1-00098
- 3-Hydroxy-4-hydroxymethyl-4-butanolide, *see*
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- 3-Hydroxy-5-hydroxymethyl-2(5*H*)-furanone,
H-1-00099
- 3-Hydroxy-2-(hydroxymethyl)-4*H*-pyran-4-one,
H-1-00100
- 3-Hydroxyimidazo[4,5-*e*]-1,2,4-triazine, *see*
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- 5-Hydroxy-1,3-indanedione, H-1-00101
- 6-Hydroxyindolo[1,2-*a*]quinoxaline, *see*
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- 3-Hydroxy-4-(iodomethyl)- γ -butyrolactone, *see*
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- 5-Hydroxy-4-isoxazolecarboxylic acid,
H-1-00102
- α -Hydroxymaltol, *see* H-1-00100
- 6-Hydroxy-7-methoxy-2,2-dimethylchromanone,
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- 2-(Hydroxymethoxy)ethanol, H-1-00103
- 1-(2-Hydroxy-5-methoxyphenyl)-3-methyl-2-
buten-1-one, *in* D-1-00350
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- 1-(Hydroxymethyl)acenaphthene, *see* A-1-00002
- 1-(Hydroxymethyl)acenaphthylene, *see*
A-1-00005
- 10-Hydroxy-10-methyl-9(10*H*)-anthracenone,
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- 4-Hydroxy-2-methylbenzofuran, H-1-00105
- 4-Hydroxy-3-methylbenzofuran, H-1-00106
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- 4-Hydroxy-7-methylbenzofuran, H-1-00108
- 5-Hydroxy-2-methylbenzofuran, H-1-00109
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- 6-(Hydroxymethyl)-2,2'-bipyridine, H-1-00114
- 4-Hydroxy-3-methyl-2-butenic acid, H-1-00115
- 3-Hydroxy-1-methyl-9*H*-carbazole, H-1-00116
- 3-Hydroxy-2-methyl-9*H*-carbazole, H-1-00117
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- 3-Hydroxy-7-methyl-9*H*-carbazole, H-1-00119
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- 3-Hydroxymethyl-5,5-dimethyl-2,4-hexanediol,
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- 3-(Hydroxymethyl)isonicotinic acid, *see*
H-1-00134
- 5-Hydroxymethyl-3-methoxy-2(5*H*)-furanone, *in*
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 2-(Hydroxymethyl)-1-methylglyoxaline, *in* I-1-00004
 4-(Hydroxymethyl)-2-methyl-1H-indole, *see* M-1-00074
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 3-Hydroxymethyl-2-naphthol, *see* H-1-00153
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 5-Hydroxy-1-methyl-2-phenyl-4(1H)-quinolinone, *in* D-1-00352
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 5-Hydroxy-2-methylpyrazolo[1,5-*a*]pyridine, H-1-00130
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 4-(Hydroxymethyl)-3-pyridinecarboxylic acid, H-1-00136
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 4-Hydroxy-2-methylthiophene, H-1-00149
 4-Hydroxy-3-methylthiophene, H-1-00150
 5-Hydroxy-1,4-naphthalenedicarboxylic acid, H-1-00151
 6-Hydroxy-1,4-naphthalenedicarboxylic acid, H-1-00152
 3-Hydroxy-2-naphthalenemethanol, H-1-00153
 4-Hydroxy-2-naphthalenemethanol, H-1-00154
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 1-Hydroxy-1-penten-3-one, *see* O-1-00050
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1-Iodo-4-(trifluoromethyl)benzene, I-1-00064
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4-Iodo- α,α,α -trifluorotoluene, *see* I-1-00064
Iodo(triphenylphosphoranyl)diacetate acid, I-1-00065
5-Iodotryptophan, I-1-00066
3-Iodotyrosine, *see* A-1-00154
Iotyrosine, *see* A-1-00154
Irisal, *see* B-1-00421
4-Isatinsulfonic acid, *see* D-1-00273
5-Isatinsulfonic acid, *see* D-1-00274
6-Isatinsulfonic acid, *see* D-1-00275
7-Isatinsulfonic acid, *see* D-1-00276
Isethnic acid, *see* H-1-00093
Isoaurone, *see* B-1-00069
► Isobromindione, *see* B-1-00377
Isobutylphosphonous diamide, *see* M-1-00123
Isobutylheptathiocane, *see* M-1-00125
► Isobutyl propionate, *in* P-1-00131
Isobutylpropylcarbinol, *see* M-1-00099
Isobutyl vinyl ether, *see* M-1-00124
Isobutyraldol, *see* H-1-00179
Isocynoacetic acid, I-1-00067
Isocynoacetone, I-1-00068
Isocyclocitral, *see* T-1-00238
Isoindolo[2,1-*a*]imidazo[5,4-*c*]pyridin-10-one, *see* P-1-00172
Isoindolo[2,1-*a*]pyrimidino[4,3-*d*]pyridin-10(12*H*)-one, *see* P-1-00177
Isoindolo[1,2-*b*]quinazolin-12(10*H*)-one, I-1-00069
Isolongifolene epoxide, I-1-00070
6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol, I-1-00071
2-Isopropylbenzenethiol, I-1-00072
4-Isopropylbenzenethiol, I-1-00073
 γ -Isopropyl- γ -butyrolactone, *see* D-1-00296
 α -Isopropylcyclohexanemethanol, *see* C-1-00203
3-Isopropylcyclohexanol, I-1-00074
Isopropyl ethylvinylphosphinate, *in* E-1-00031
4,4'-Isopropylidenebis[2,6-dibromophenol], *see* B-1-00221
 α -Isopropylidene-2-furanacetaldehyde, *see* F-1-00074
Isopropyl(2-isopropyl-5-methylcyclohexyl)phosphinous chloride, I-1-00075
Isopropylmethylphosphinous chloride, *in* I-1-00075
(2-Isopropyl-5-methylcyclohexyl)phenylphosphinous chloride, I-1-00076
(2-Isopropyl-5-methylcyclohexyl)phosphonothioic dichloride, I-1-00077
(2-Isopropyl-5-methylcyclohexyl)phosphonous acid, I-1-00078
P-(2-Isopropyl-5-methylcyclohexyl)phosphonous diamide, *see* D-1-00106
P-(2-Isopropyl-5-methylcyclohexyl)-*N,N,N,N'*-tetramethylphosphonous diamide, *in* D-1-00106
Isopropyl methylphosphonocyanide, *in* M-1-00119
2-Isopropyl-4-pentenamide, I-1-00079
(2-Isopropylphenyl)phosphonic acid, I-1-00080
(4-Isopropylphenyl)phosphonic acid, I-1-00081
Isopropyl phenyl sulfide, I-1-00082
► Isopropyl propionate, *in* P-1-00131
2-Isopropylthiophene, I-1-00083
3-Isopropylthiophene, I-1-00084
2-Isopropylthiophenol, *see* I-1-00072
4-Isopropylthiophenol, *see* I-1-00073
Isosafroenol, *in* P-1-00132
Isostatine, *in* A-1-00146
3-Isothiazolecarboxaldehyde, I-1-00085
4-Isothiazolecarboxaldehyde, I-1-00086
5-Isothiazolecarboxaldehyde, I-1-00087
3-Isothiazolecarboxylic acid, I-1-00088
4-Isothiazolecarboxylic acid, I-1-00089
5-Isothiazolecarboxylic acid, I-1-00090
1-Isothiocyano-2-methylbenzene, I-1-00091
► 4-Isothiocyano-*N*-(4-nitrophenyl)benzenamine, *see* N-1-00023
(3-Isoxazolymethyl)phosphonic acid, I-1-00092
(5-Isoxazolymethyl)phosphonic acid, I-1-00093
3-Isoxazolylphosphonic acid, I-1-00094
► Kalymin, *in* P-1-00178
Karatone, *see* E-1-00024
Kemantane, *see* H-1-00053
Keramaphidin C, *in* A-1-00242
► Ketogestin, *see* P-1-00127
 γ -Ketolauric acid, *see* O-1-00044
► Khloksil, *see* B-1-00204
KT 1-32, *see* E-1-00016
Kyuphane, K-1-00001
► Labrodax, *see* T-1-00232
► Lactitol, L-1-00001
► LCG 21519, *in* P-1-00144
Leuco-1,4,5,8-tetrahydroxyanthraquinone, *see* D-1-00330
L4269-Labaz, *see* B-1-00017
► LS 860263, *see* B-1-00406
Luciferin aldehyde, *see* C-1-00008
Lufenuron, L-1-00002
Madrox, *in* M-1-00045
3-Maleimido-PROXYL, *see* D-1-00277
3-Maleimido-2,2,5,5-tetramethyl-1-pyrrolidinyl, *see* D-1-00277
Mannofuranosyl bromide, M-1-00001
Mannofuranosyl fluoride, M-1-00002
Mannofuranosyl iodide, M-1-00003
Mannopyranosyl fluoride, M-1-00004
Mauveine A, M-1-00005
Mauveine B, M-1-00006
MEKP, *see* B-1-00408
Menthylmethylphosphinothioic chloride, *in* M-1-00076
Menthylmethylphosphinous chloride, *in* M-1-00077
Menthylmethylthiophosphinic chloride, *in* M-1-00076
Menthylphenylphosphinous chloride, *in* I-1-00076
Menthylphosphonothioic dichloride, *in* I-1-00077
(*L*-Menthyl)phosphonous acid, *in* I-1-00078
P-Menthylphosphonous diamide, *in* D-1-00106
(*L*-Menthyl)phosphonous dichloride, *in* I-1-00078
(*L*-Menthyl)phosphonous difluoride, *in* I-1-00078
P-(*L*-Menthyl)-*N,N,N,N'*-tetramethylphosphonous diamide, *in* D-1-00106
3-Mercapto-4*H*-1-benzopyran-4-one, M-1-00007
2-Mercaptobicyclo[1.1.1]pentane, *see* B-1-00098
5-Mercapto-2,2'-bithiophene, *see* B-1-00219
4-Mercapto-2-butanone, M-1-00008
3-Mercaptochromone, *see* M-1-00007
2-Mercapto-4-hydroxypyridine[3,2-*d*]pyrimidine, *see* D-1-00333
2-Mercapto-4*H*-indole-3-acetic acid, *see* D-1-00332
 α -Mercaptoisobutanal, *see* M-1-00010
2-(Mercaptomethyl)butanoic acid, M-1-00009
2-Mercapto-2-methylpropanal, M-1-00010
2-(Mercaptomethyl)toluene, *see* M-1-00024
3-(Mercaptomethyl)toluene, *see* M-1-00025
4-(Mercaptomethyl)toluene, *see* M-1-00026
2-Mercapto-5-nitrobenzimidazole, M-1-00011
7-Mercaptonorbornane, *see* B-1-00082
2-Mercaptopentane, *see* P-1-00020
3-Mercaptopentane, *see* P-1-00021
► 2-Mercapto-5-phenyl-1,3,4-oxadiazole, *see* P-1-00084
2-(2-Mercaptophenyl)propane, *see* I-1-00072
2-(4-Mercaptophenyl)propane, *see* I-1-00073
4-Mercaptopiperidine, *see* P-1-00125
1-Mercaptotetralin, *see* T-1-00047
Mercaptotriphenylmethane, *see* T-1-00261
Mesityl(1-methylallyl)phosphinous chloride, *see* M-1-00120
Mesitylphosphonous dichloride, *see* T-1-00247
► Mestimon, *in* P-1-00178
► Metacetic acid, *see* P-1-00131
Metapramine, *in* A-1-00118
1,1',1'',1'''-Methanetetrayltetrakis(cyclohexane), *see* T-1-00016
4*H*,6*H*-3*a*,6*a*-(Methanothiomethano)-1*H*,3*H*-furo[3,4-*c*]furan, M-1-00012
6-Methoxy-5-benzofurancarboxaldehyde, *in* H-1-00061
(4-Methoxybenzoyl)phosphonic acid, M-1-00013
2-Methoxy-2-biphenylcarboxaldehyde, *in* H-1-00065
5-Methoxy-2,2'-bithiophene, *in* B-1-00220
1-Methoxycarbonylpyrrolidine, *in* P-1-00186
6-Methoxy-6*H*-dibenzo[*b,d*]pyran, *in* H-1-00065
2'-Methoxy-3',4'-dimethylacetophenone, *in* H-1-00077
2'-Methoxy-3',5'-dimethylacetophenone, *in* H-1-00078
2'-Methoxy-4',5'-dimethylacetophenone, *in* H-1-00079
2'-Methoxy-4',6'-dimethylacetophenone, *in* H-1-00080
4'-Methoxy-2',3'-dimethylacetophenone, *in* H-1-00081
4'-Methoxy-2',5'-dimethylacetophenone, *in* H-1-00082
4'-Methoxy-2',6'-dimethylacetophenone, *in* H-1-00083
4'-Methoxy-3',5'-dimethylacetophenone, *in* H-1-00084

- 5'-Methoxy-2',4'-dimethylacetophenone, *in* H-1-00085
- 4-Methoxy-4,6-dimethyl-1,5-heptadiene, *in* D-1-00407
- 2-Methoxy-3,5-dinitropyridine, *in* H-1-00091
- 2-Methoxy-2'-(diphenylphosphinyl)-1,1'-binaphthyl, *in* H-1-00064
- 9-(2-Methoxyethyl)-9H-fluorene, *in* F-1-00004
- 3-Methoxy-4'-hydroxychalcone, *in* D-1-00341
- Methoxymaleimide, *see* M-1-00015
- 2-(Methoxymethoxy)ethanol, *in* H-1-00103
- 10-Methoxy-10-methyl-9(10H)-anthracenone, *in* H-1-00104
- 4-Methoxy-2-methylbenzofuran, *in* H-1-00105
- 4-Methoxy-3-methylbenzofuran, *in* H-1-00106
- 5-Methoxy-2-methylbenzofuran, *in* H-1-00109
- 1-(Methoxymethyl)bicyclo[2.2.1]heptane, *in* B-1-00084
- 3-Methoxy-2-methyl-9H-carbazole, *in* H-1-00117
- 1-Methoxy-1-methylcyclododecane, *in* M-1-00045
- 3'-Methoxy-4',5'-methylenedioxybenzyl alcohol, *in* T-1-00233
- 3-(3-Methoxy-4,5-methylenedioxyphenyl)-2-propen-1-ol, *in* T-1-00233
- 4-(Methoxymethyl)-2-methylindole, *in* M-1-00074
- 5-Methoxy-2-methylpyrazolo[1,5-*a*]pyridine, *in* H-1-00130
- 3-Methoxy-1-methyl-1H-pyrrole-2,5-dione, *in* M-1-00015
- 8-Methoxy-1-naphthalenemethanol, *in* H-1-00155
- 4-Methoxy-1-nonene, *in* N-1-00049
- 7-Methoxy-4-oxo-4H-1-benzopyran-2-carboxylic acid, *in* H-1-00159
- 8-Methoxy-4-oxo-4H-1-benzopyran-2-carboxylic acid, *in* H-1-00160
- 1-Methoxy-1-penten-3-one, *in* O-1-00050
- 1-Methoxy-2-(phenylethynyl)benzene, *in* P-1-00070
- 1-Methoxy-3-(phenylethynyl)benzene, *in* P-1-00071
- 1-Methoxy-4-(phenylethynyl)benzene, *in* P-1-00072
- 4-(4-Methoxyphenyl)-4-oxobutanoic acid, *in* H-1-00171
- (4-Methoxyphenyl)phosphonous dichloride, M-1-00014
- 1-Methoxyphosphetane 1-oxide, *in* P-1-00117
- 3-Methoxy-1H-pyrrole-2,5-dione, M-1-00015
- 2-Methoxytolan, *in* P-1-00070
- 3-Methoxytolan, *in* P-1-00071
- 4-Methoxytolan, *in* P-1-00072
- Methoxytunicoside, *in* H-1-00100
- 1-Methylacenaphthene, M-1-00016
- 3-Methylacenaphthene, M-1-00017
- 4-Methylacenaphthene, M-1-00018
- 5-Methylacenaphthene, M-1-00019
- ▶ 4-(Methylamino)antipyrine, *see* N-1-00053
- Methyl 4-amino-4-deoxy- α -D-arabinopyranoside, *in* A-1-00100
- Methyl 4-amino-4-deoxy- α -L-arabinopyranoside, *in* A-1-00100
- Methyl 3-amino-3-deoxy- α -D-mannopyranoside, *in* A-1-00106
- Methyl 3-amino-3-deoxy- β -D-mannopyranoside, *in* A-1-00106
- Methyl 4-amino-4,6-dideoxy- α -D-allopyranoside, *in* A-1-00114
- Methyl 4-amino-4,6-dideoxy- β -D-allopyranoside, *in* A-1-00114
- 2-(Methylaminomethyl)pyrrole, *in* A-1-00182
- 10-Methylazacyclodecan-2-one, M-1-00020
- 2-Methyl-3-azetidynamine, *see* A-1-00160
- 3-Methyl-3-azetidynamine, *see* A-1-00161
- 1-Methylazetidide, M-1-00021
- 2-Methylazetidide, M-1-00022
- 3-Methylazetidide, M-1-00023
- β -Methylbenzenebutanamine, *see* M-1-00104
- 2-Methylbenzenecarboselenoic acid, *see* M-1-00130
- 3-Methylbenzenecarboselenoic acid, *see* M-1-00131
- 4-Methylbenzenecarboselenoic acid, *see* M-1-00132
- 2-Methylbenzenemethanethiol, M-1-00024
- 3-Methylbenzenemethanethiol, M-1-00025
- 4-Methylbenzenemethanethiol, M-1-00026
- β -Methylbenzenepentanol, *see* M-1-00107
- 2-(4-Methylbenzenesulfonyl)ethylamine, M-1-00027
- 2-Methyl-4-benzofurancarboxaldehyde, M-1-00028
- 3-Methyl-2-benzofurancarboxaldehyde, M-1-00029
- 4-Methyl-2-benzofurancarboxaldehyde, M-1-00030
- 4-Methyl-5-benzofurancarboxaldehyde, M-1-00031
- 5-Methyl-2-benzofurancarboxaldehyde, M-1-00032
- 5-Methyl-3-benzofurancarboxaldehyde, M-1-00033
- 6-Methyl-2-benzofurancarboxaldehyde, M-1-00034
- 6-Methyl-3-benzofurancarboxaldehyde, M-1-00035
- 7-Methyl-2-benzofurancarboxaldehyde, M-1-00036
- 2-Methyl-4-benzofuranol, *see* H-1-00105
- 2-Methyl-5-benzofuranol, *see* H-1-00109
- 2-Methyl-6-benzofuranol, *see* H-1-00111
- 3-Methyl-4-benzofuranol, *see* H-1-00106
- 3-Methyl-5-benzofuranol, *see* H-1-00110
- 6-Methyl-4-benzofuranol, *see* H-1-00107
- 7-Methyl-4-benzofuranol, *see* H-1-00108
- 1-Methylbenzo[*j*][1,7]naphthyridine, M-1-00037
- 2-Methyl-1-benzotellurepin, M-1-00038
- 3-Methylbenzo[*c*]thiophene-1(3H)-thione, M-1-00039
- 4-Methylbenzotrifluoride, *see* M-1-00135
- 2-Methylbenzyl mercaptan, *see* M-1-00024
- 3-Methylbenzyl mercaptan, *see* M-1-00025
- 4-Methylbenzyl mercaptan, *see* M-1-00026
- 4-Methylbenzyl phenyl sulfide, *in* M-1-00026
- Methyl bis(3-fluorophenyl)phosphinite, *in* B-1-00166
- Methyl bis(4-fluorophenyl)phosphinite, *in* B-1-00167
- Methyl[bis(tricyclo[3.3.1.1^{3,7}]dec-1-yl)]phosphine, *see* D-1-00081
- Methyl 2-bromo-2-deoxy- α -D-arabinopyranoside, *in* B-1-00250
- Methyl 1-bromo-1-deoxy- α -D-fructopyranoside, *in* B-1-00252
- Methyl 1-bromo-1-deoxy- β -D-fructopyranoside, *in* B-1-00252
- Methyl 2-bromo-2-deoxy- α -D-mannopyranoside, *in* B-1-00261
- Methyl 2-bromo-2-deoxy- β -D-mannopyranoside, *in* B-1-00261
- Methyl 6-bromo-1H-indole-3-acetate, *in* B-1-00304
- 3-Methyl-2-buten-1-amine, M-1-00040
- 2-(3-Methyl-2-butenyl)-1,4-benzenediol, *see* D-1-00350
- 3-Methyl-2-butenylamine, *see* M-1-00040
- Methyl *P*-tert-butyl-*N*-methylphosphonamidate, *in* B-1-00429
- 1-Methyl-9H-carbazol-3-ol, *see* H-1-00116
- 2-Methyl-9H-carbazol-3-ol, *see* H-1-00117
- 5-Methyl-9H-carbazol-3-ol, *see* H-1-00118
- 7-Methyl-9H-carbazol-3-ol, *see* H-1-00119
- 8-Methyl-9H-carbazol-3-ol, *see* H-1-00120
- Methylcarbodiimide, *see* M-1-00043
- 2-Methyl- δ -carboline, M-1-00041
- 4-Methyl- δ -carboline, M-1-00042
- 1-Methyl-4-carboxy-2-pyrrolidone, *in* O-1-00054
- Methyl 2-chloro-2-deoxy- α -D-allopyranoside, *in* C-1-00035
- Methyl 2-chloro-2-deoxy- α -D-arabinofuranoside, *in* C-1-00039
- Methyl 2-chloro-2-deoxy- β -D-arabinofuranoside, *in* C-1-00039
- Methyl 1-chloro-1-deoxy- α -D-fructofuranoside, *in* C-1-00042
- Methyl 6-chloro-6-deoxy- α -D-fructofuranoside, *in* C-1-00044
- Methyl 1-chloro-1-deoxy- β -D-fructofuranoside, *in* C-1-00042
- Methyl-6-chloro-6-deoxy- β -D-fructofuranoside, *in* C-1-00044
- Methyl 2-chloro-2-deoxy- α -D-mannopyranoside, *in* C-1-00052
- Methyl 2-chloro-2-deoxy- β -D-mannopyranoside, *in* C-1-00052
- Methyl 5-chloro-5-deoxy- α -D-ribofuranoside, *in* C-1-00055
- Methyl 5-chloro-5-deoxy- β -D-ribofuranoside, *in* C-1-00055
- Methyl 5-chloro-5-deoxy- α -D-xylofuranoside, *in* C-1-00062
- Methyl 5-chloro-5-deoxy- β -D-xylofuranoside, *in* C-1-00062
- 4-Methylcubyl iodide, *see* I-1-00040
- Methylcyanamide, M-1-00043
- Methyl cyanodithioformate, *in* C-1-00181
- Methylcyanoforn, *see* E-1-00008
- Methyl 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- α -(methoxymethylene)benzeneacetate, *see* I-1-00001
- 2-Methylcyclobutanecarboxylic acid, M-1-00044
- 1-Methyl-1-cyclododecanol, M-1-00045
- 1-Methyl-2-cyclohexene-1-carboxaldehyde, M-1-00046
- 1-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00047
- 2-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00048
- 4-Methyl-2-cyclohexene-1-carboxaldehyde, M-1-00049
- 4-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00050
- 6-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00051
- 1-Methyl-3-cyclohexene-1-methanol, M-1-00052
- 3-Methyl-2-cyclohexene-1-methanol, M-1-00053
- 4-Methyl-3-cyclohexene-1-methanol, M-1-00054
- 6-Methyl-3-cyclohexene-1-methanol, M-1-00055
- 2-Methylcyclohexanone, M-1-00056
- 5-Methylcyclohexanone, M-1-00057
- Methyl 3-cyano-3-fluoro- α -D-gulopyranoside, *in* D-1-00029
- Methyl 6-deoxy-6-iodo- α -D-allopyranoside, *in* D-1-00045
- Methyl 6-deoxy-6-iodo- β -D-allopyranoside, *in* D-1-00045
- Methyl 2-deoxy-2-iodo- α -D-mannopyranoside, *in* D-1-00060
- Methyl 6-deoxy-6-iodo- α -D-mannopyranoside, *in* D-1-00061
- Methyl 2-deoxy-2-iodo- β -D-mannopyranoside, *in* D-1-00060
- Methyl 6-deoxy-6-iodo- β -D-mannopyranoside, *in* D-1-00061
- Methyl diazo(diethoxyphosphinyl)acetate, *in* D-1-00117
- 2-Methyl-5H-dibenz[*b,f*]azepine, M-1-00058
- 3-Methyl-5H-dibenz[*b,f*]azepine, M-1-00059
- 4-Methyl-5H-dibenz[*b,f*]azepine, M-1-00060
- 10-Methyl-5H-dibenz[*b,f*]azepine, M-1-00061
- Methyl(diethoxyphosphino)acetate, *in* D-1-00224
- 2-Methyl-4,8-dioxo-2-phenyl-2-phosphoniatricyclo[3.3.1.1^{3,7}]decane, *in* P-1-00090
- Methyl diphenylphosphinecarboxylate, *in* D-1-00507
- 2-Methyl-1,3-dithiane, M-1-00062
- 1,1'-Methylenebis[3,5-dibromobenzene], *see* B-1-00143
- 4,4'-Methylenebis[3-hydroxy-2-naphthalenecarboxylic acid], *see* P-1-00001
- 1,1'-[Methylenebis(oxy)]bisbutane, *see* D-1-00165

- 1,1'-[Methylenebis(seleno)]bisbenzene, *see* B-1-00197
- 5,5'-Methylenebis-2-thiophenecarboxaldehyde, M-1-00063
- 3-Methylenecyclohexanol, M-1-00064
- 4-Methylenecyclohexanol, M-1-00065
- 2,3-Methylenedioxyanthraquinone, M-1-00066
- 3,4-Methylenedioxybenzyl bromide, *see* B-1-00313
- 6,7-Methylenedioxy-1(3*H*)-isobenzofuranone, *see* M-1-00067
- 6,7-Methylenedioxyphthalide, M-1-00067
- (2-Methylene-1,3-propanediyl) bis(diphenylphosphine), *see* B-1-00159
- (2-Methylene-1,3-propanediyl) bis(methyldiphenylphosphonium)diiodide, *in* B-1-00159
- 2-(1-Methylethyl)benzenethiol, *see* I-1-00072
- 4-(1-Methylethyl)benzenethiol, *see* I-1-00073
- α -(1-Methylethyl)cyclohexanemethanol, *see* C-1-00203
- 3-(1-Methylethyl)cyclohexanol, *see* I-1-00074
- 4,4'-(1-Methylethylidene)bis[2,6-dibromophenol], *see* B-1-00221
- 1,1'-(1-Methylethylidene)bis[2-phenyldiazene], *see* B-1-00192
- α -(1-Methylethylidene)-2-furanacetaldehyde, *see* F-1-00074
- (1-Methylethyl)[5-methyl-2-(1-methylethyl)cyclohexyl]phosphinous chloride, *see* I-1-00075
- 2-(1-Methylethyl)-4-pentamide, *see* I-1-00079
- [2-(1-Methylethyl)phenyl]phosphonic acid, *see* I-1-00080
- [4-(1-Methylethyl)phenyl]phosphonic acid, *see* I-1-00081
- [(1-Methylethyl)thio]benzene, *see* I-1-00082
- 2-(1-Methylethyl)thiophene, *see* I-1-00083
- 3-(1-Methylethyl)thiophene, *see* I-1-00084
- Methyl ethylvinylphosphinate, *in* E-1-00031
- α -Methyl-9*H*-fluorene-2-acetic acid, *see* F-1-00006
- 6-Methyl-1-hepten-4-ol, M-1-00068
- 3-Methyl-1-heptyne, M-1-00069
- Methylhexathiepane, M-1-00070
- 2-Methyl-5-hexenoic acid, M-1-00071
- 2-Methyl-3-hexyne, M-1-00072
- 1,1',1''-Methylidynetrisazulene, *see* T-1-00146
- (1,1',1''-Methylidynetri-4,2-thiophenediyl) trisethanone, *see* T-1-00266
- 2-Methyl-1*H*-indole-3-acetamide, *in* M-1-00073
- 2-Methyl-1*H*-indole-3-acetic acid, M-1-00073
- 2-Methyl-1*H*-indole-3-acetonitrile, *in* M-1-00073
- 2-Methyl-1*H*-indole-4-methanol, M-1-00074
- Methyl iodo(triphenylphosphoranylidene) acetate, *in* I-1-00065
- 3-Methyl-1(3*H*)-isobenzofuranthione, M-1-00075
- Methyl (2-isopropyl-5-methylcyclohexyl) phosphinothioic chloride, M-1-00076
- Methyl(2-isopropyl-5-methylcyclohexyl) phosphinous chloride, M-1-00077
- 1-Methyl-3-isoquinolinecarboxylic acid, M-1-00078
- 1-Methyl-4-isoquinolinecarboxylic acid, M-1-00079
- 3-Methyl-1-isoquinolinecarboxylic acid, M-1-00080
- 3-Methyl-5-isoquinolinecarboxylic acid, M-1-00081
- 3-Methylisothiazolo[4,5-*b*]pyridine, M-1-00082
- 3-Methylisothiazolo[5,4-*c*]pyridine, M-1-00083
- 1-Methyl-4-methoxycarbonyl-2-pyrrolidone, *in* O-1-00054
- Methyl 2-methylbenzyl sulfide, *in* M-1-00024
- Methyl 4-methylbenzyl sulfide, *in* M-1-00026
- 3-Methyl-5-(3-methyl-1,4,2-dithiazol-5-ylidene)-1,4,2-dithiazole, *see* D-1-00375
- 1-Methyl-4-methyleneadamantane, M-1-00084
- 1-Methyl-4-methylenetricyclo[3.3.1.1^{3,7}]decane, *see* M-1-00084
- [5-Methyl-2-(1-methylethyl)cyclohexyl] phenylphosphinous chloride, *see* I-1-00076
- [5-Methyl-2-(1-methylethyl)cyclohexyl] phosphonothioic dichloride, *see* I-1-00077
- [5-Methyl-2-(1-methylethyl)cyclohexyl] phosphonous acid, *see* I-1-00078
- P*-[5-Methyl-2-(1-methylethyl)cyclohexyl] phosphonous diamide, *see* D-1-00106
- Methyl[5-methyl-2-(1-methylethyl)cyclohexyl] phosphinothioic chloride, *see* M-1-00076
- Methyl[5-methyl-2-(1-methylethyl)cyclohexyl] phosphinous chloride, *see* M-1-00077
- Methyl methylphosphonocyanidate, *in* M-1-00119
- 1-Methyl-2(methylthio)methyl]benzene, *in* M-1-00024
- 1-Methyl-4(methylthio)methyl]benzene, *in* M-1-00026
- 2-Methyl-2-(methylthio)propanal, *in* M-1-00010
- Methyl methyl(trifluoromethyl)phosphinite, *in* M-1-00136
- Methyl (4-morpholinyl)phenylphosphinate, *in* M-1-00137
- 1-Methyl-3-nitro-9,10-anthracenedione, *see* M-1-00085
- 1-Methyl-4-nitro-9,10-anthracenedione, *see* M-1-00086
- 1-Methyl-5-nitro-9,10-anthracenedione, *see* M-1-00087
- 1-Methyl-8-nitro-9,10-anthracenedione, *see* M-1-00088
- ▶ 2-Methyl-1-nitro-9,10-anthracenedione, *see* M-1-00089
- 6-Methyl-1-nitro-9,10-anthracenedione, *see* M-1-00090
- 7-Methyl-1-nitro-9,10-anthracenedione, *see* M-1-00091
- 1-Methyl-3-nitroanthraquinone, M-1-00085
- 1-Methyl-4-nitroanthraquinone, M-1-00086
- 1-Methyl-5-nitroanthraquinone, M-1-00087
- 1-Methyl-8-nitroanthraquinone, M-1-00088
- ▶ 2-Methyl-1-nitroanthraquinone, M-1-00089
- 6-Methyl-1-nitroanthraquinone, M-1-00090
- 7-Methyl-1-nitroanthraquinone, M-1-00091
- (1-Methyl-2-nitroethyl)benzene, *see* N-1-00030
- (1-Methyl-1-nitroethyl)phosphonic acid, M-1-00092
- (1-Methyl-2-nitroethyl)phosphonic acid, M-1-00093
- 2-Methyl-7-nitro-1(2*H*)-isoquinolinone, *in* H-1-00156
- 1-Methyl-4-[(nitromethyl)sulfonyl]benzene, *in* M-1-00106
- 1-Methyl-4-(nitromethylthio)benzene, *see* M-1-00106
- 4-Methyl-5-nonanol, M-1-00094
- 4-Methyl-5-nonanone, M-1-00095
- 1-Methyloctahydrohydrophosphindolizinium iodide, *in* P-1-00116
- 2-Methyl-2-octanol, M-1-00096
- 3-Methyl-4-octanol, M-1-00097
- 5-Methyl-4-octanol, M-1-00098
- 7-Methyl-4-octanol, M-1-00099
- 5-Methyl-1,2,4-oxadiazol-3-amine, *see* A-1-00174
- 3-(3-Methyl-1-oxo-2-butenyl)-1*H*-indole, *see* I-1-00022
- 4-Methyl-5-pentanolide, *see* T-1-00044
- 3-Methyl-2-penten-4-yn-1-ol, M-1-00100
- ▶ 10-Methyl-10*H*-phenothiazine-2-acetic acid, *in* P-1-00036
- 3-Methyl-4-phenyl-2-azetidione, M-1-00101
- 7-Methyl-7-phenylbenzo[e]naphtho[2,1-*b*] phosphindolium iodide, *in* P-1-00047
- (2-Methylphenyl)butanedioic acid, M-1-00102
- (4-Methylphenyl)butanedioic acid, M-1-00103
- 2-Methyl-4-phenyl-1-butylamine, M-1-00104
- Methyl phenyl disulfide, M-1-00105
- ▶ 1-Methyl-6-phenyl-1*H*-imidazo[4,5-*b*]pyridin-2-amine, *in* A-1-00195
- 2-Methylphenyl isothiocyanate, *see* I-1-00091
- 2-Methyl-4-phenyl-5(2*H*)-isoxazolone, *in* H-1-00170
- 4-Methylphenyl nitromethyl sulfide, M-1-00106
- 4-Methylphenyl nitromethyl sulfone, *in* M-1-00106
- 2-Methyl-5-phenyl-1-pentanol, M-1-00107
- 3-Methyl-6-phenyl-2,5-piperazinedione, M-1-00108
- 2-Methyl-1-phenyl-1,3-propanediol, M-1-00109
- 2-Methyl-3-phenyl-1,2-propanediol, M-1-00110
- 3-(3-Methylphenyl)propene, *see* M-1-00122
- 1-Methyl-3-phenyl-2,5-pyrrolidinedione, *in* P-1-00096
- N*-Methyl-2-phenylsuccinimide, *in* P-1-00096
- [(2-Methylphenyl)sulfinyl]acetic acid, *in* M-1-00111
- [(3-Methylphenyl)sulfinyl]acetic acid, *in* M-1-00112
- [(4-Methylphenyl)sulfinyl]acetic acid, *in* M-1-00113
- [(4-Methylphenyl)sulfonyl]acetic acid, *in* M-1-00113
- 2-[(4-Methylphenyl)sulfonyl]ethanamine, *see* M-1-00027
- [(2-Methylphenyl)thio]acetic acid, M-1-00111
- [(3-Methylphenyl)thio]acetic acid, M-1-00112
- [(4-Methylphenyl)thio]acetic acid, M-1-00113
- 1-Methyl-4[(phenylthio)methyl]benzene, *in* M-1-00026
- 2-Methyl-5-phenylthiophene, M-1-00114
- 3-Methyl-2-phenylthiophene, M-1-00115
- 4-Methyl-2-phenylthiophene, M-1-00116
- 2-Methyl-2-(phenylthio)propane, *see* B-1-00433
- Methyl phosphetate, *in* P-1-00117
- P,P'*-[(Methylphosphinidene)di-2,1-ethanediy] bis[*N,N,N',N'*-tetramethylphosphonous diamide], M-1-00117
- [(Methylphosphinylidene)bis(methylene)] bisphosphonic acid, *see* M-1-00118
- [(Methylphosphinylidene)dimethylene] diphosphonic acid, M-1-00118
- Methylphosphonocyanidic acid, M-1-00119
- (1-Methylpropadienyl)(2,4,6-trimethylphenyl) phosphinous chloride, M-1-00120
- 2-Methyl-2-propenethioic acid, M-1-00121
- 1-Methyl-3-(2-propenyl)benzene, M-1-00122
- P*-(2-Methyl-1-propenyl)phosphonous diamide, M-1-00123
- ▶ Methyl propionate, *in* P-1-00131
- (2-Methylpropoxy)ethylene, M-1-00124
- (2-Methylpropyl)heptathioicane, M-1-00125
- 1-Methylpropyl propanoate, *in* P-1-00131
- ▶ 2-Methylpropyl propanoate, *in* P-1-00131
- 2-(1-Methylpropyl)-1-vinylcyclohexanol, M-1-00126
- 6-Methylpterin, *see* A-1-00147
- 3-Methylpyrazinamine, *see* A-1-00179
- 5-Methylpyrazinamine, *see* A-1-00180
- 6-Methylpyrazinamine, *see* A-1-00181
- 3-Methylpyrazinol, *see* H-1-00127
- 5-Methylpyrazinol, *see* H-1-00128
- 6-Methylpyrazinol, *see* H-1-00129
- 3-Methyl-2(1*H*)-pyrazinone, *see* H-1-00127
- 5-Methyl-2(1*H*)-pyrazinone, *see* H-1-00128
- 6-Methyl-2(1*H*)-pyrazinone, *see* H-1-00129
- 2-Methylpyrazolo[1,5-*a*]pyridin-5-ol, *see* H-1-00130
- 6-Methyl-2-pyridinecarbothioamide, M-1-00127
- 2-Methyl-5*H*-pyrido[3,2-*b*]indole, *see* M-1-00041
- 4-Methyl-5*H*-pyrido[3,2-*b*]indole, *see* M-1-00042
- 2-Methyl-4-pyrimidinecarboxylic acid, M-1-00128
- 2-Methyl-3,4-pyrrolidinediol, *see* D-1-00345
- 4-Methylpyrimin(1+), M-1-00129
- 4-Methyl-2-quinazolinol, *see* H-1-00141
- 5-Methyl-4-quinazolinol, *see* H-1-00142
- 6-Methyl-4-quinazolinol, *see* H-1-00143
- 7-Methyl-4-quinazolinol, *see* H-1-00144
- 8-Methyl-4-quinazolinol, *see* H-1-00145
- 4-Methyl-2(1*H*)-quinazolinone, *see* H-1-00141
- 5-Methyl-4(1*H*)-quinazolinone, *see* H-1-00142
- 6-Methyl-4(1*H*)-quinazolinone, *see* H-1-00143
- 7-Methyl-4(1*H*)-quinazolinone, *see* H-1-00144
- 8-Methyl-4(1*H*)-quinazolinone, *see* H-1-00145
- 2-Methylselenobenzoic acid, M-1-00130

- 3-Methylselenobenzoic acid, M-1-00131
 4-Methylselenobenzoic acid, M-1-00132
 Methyl sulfur trifluoride, see T-1-00215
 1-Methyl-2-tetralol, see T-1-00043
 5-Methyl-1,1,3,3-tetraphenyl-1 λ^5 ,3 λ^5 -diphosphabenzene, see T-1-00045
 5-Methyl-1,1,3,3-tetraphenyl-1 λ^5 ,3 λ^5 -diphosphinin, see T-1-00045
 5-Methyl-1,1,3,3-tetraphenyl-1 λ^5 ,3 λ^5 -diphosphorine, see T-1-00045
 3-Methylthieno[3,4-*b*]furan, M-1-00133
 2-Methylthioacrylic acid, see M-1-00121
 3-(Methylthio)-4*H*-1-benzopyran-4-one, in M-1-00007
 7-(Methylthio)bicyclo[2.2.1]hepta-2,5-diene, in B-1-00082
 3-(Methylthio)-1,2-butadiene, M-1-00134
 2-Methylthiochroman-4-one, see D-1-00298
 3-Methylthiochroman-4-one, see D-1-00299
 5-Methylthiochroman-4-one, see D-1-00300
 6-Methylthiochroman-4-one, see D-1-00301
 7-Methylthiochroman-4-one, see D-1-00302
 8-Methylthiochroman-4-one, see D-1-00303
 6-Methylthioconinamide, see M-1-00127
 7-Methylthionorbomadiene, in B-1-00082
 2-Methylthiophene-3-ol, see H-1-00148
 4-Methylthiophene-3-ol, see H-1-00150
 5-Methylthiophene-3-ol, see H-1-00149
 2-Methylthiophen-3(2*H*)-one, see H-1-00148
 4-Methylthiophen-3(2*H*)-one, see H-1-00150
 5-Methylthiophen-3(2*H*)-one, see H-1-00149
 α -Methylthreonine, see A-1-00145
O-Methyl (2,4,6-tri-*tert*-butylphenyl)phosphonodithioate, in T-1-00156
 1-Methyl-4-(trifluoromethyl)benzene, M-1-00135
 Methyl(trifluoromethyl)phosphinous acid, M-1-00136
 2-Methyl-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)butanal, see C-1-00008
 γ -Methyl- δ -valerolactone, see T-1-00044
 ► Metiazinic acid, in P-1-00036
 ► Methylsulfoxide, in D-1-00469
 ► Mirulevatin, see T-1-00232
 Monohexyl (4-ethylphenyl)phosphonate, in E-1-00023
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 Monoiodotyrosine, see A-1-00154
 Mono-methyl (2-aminooxyethyl)phosphonate, in A-1-00188
 Morph-DAST, see T-1-00219
 Morpholinophenylphosphonic acid, see M-1-00137
 Morpholinosulfur trifluoride, see T-1-00219
 (4-Morpholinyl)phenylphosphonic acid, M-1-00137
 1,8-Naphthalenebis(methylene)bis(diphenylphosphine), see B-1-00160
 Naphthalenedithiadiphosphetane disulfide, see E-1-00005
 2,3-Naphthalenediylbis(methylene)bis(diphenylphosphine), see B-1-00161
 [1,2-Naphthalenediylbis(methylene)]bis(triphenylphosphonium)(2+), N-1-00001
 1-(1-Naphthalenyl)decane, see D-1-00012
 1-(2-Naphthalenyl)decane, see D-1-00013
 1-(1-Naphthalenyl)dodecane, see D-1-00550
 1-(2-Naphthalenyl)dodecane, see D-1-00551
 1-(1-Naphthalenyl)heptane, see H-1-00019
 1-(2-Naphthalenyl)heptane, see H-1-00020
 1-(1-Naphthalenyl)hexane, see H-1-00050
 1-(2-Naphthalenyl)hexane, see H-1-00051
 ► 2-(1-Naphthalenyl)-1*H*-indene-1,3(2*H*)-dione, N-1-00002
 1-(1-Naphthalenyl)-2-(2-naphthalenyl)-1,2-ethanediol, N-1-00003
 1-(1-Naphthalenyl)nonane, see N-1-00051
 1-(2-Naphthalenyl)nonane, see N-1-00052
 1-(1-Naphthalenyl)octane, see O-1-00028
 1-(2-Naphthalenyl)octane, see O-1-00029
 1-(1-Naphthalenyl)pentane, see P-1-00026
 1-(2-Naphthalenyl)pentane, see P-1-00027
 1-(1-Naphthalenyl)undecane, see U-1-00004
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 Naphtho[1,2-*c*:5,6-*c'*]dicinnoline, N-1-00004
 Naphtho[1,8-*bc*:5,4-*b',c'*]dithiophene, N-1-00005
 Naphtho[2,3-*c*][1,2,5]thiadiazole-4,9-dione, N-1-00006
 Naphtho[2,3-*d*]-1,2,3-trithiole, N-1-00007
 ► Naphthylin, see N-1-00002
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 Nerifol, in D-1-00343
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 2,2',2''-Nitrilotris(ethane-2,1-diyl)nitrimethylidyne)trisphenol, N-1-00009
 1-Nitro-2-adamantanone, N-1-00010
 ► *p*-(*p*-Nitroanilino)phenyl isothiocyanate, see N-1-00023
 4-Nitro-1,2-benzenedicarboxaldehyde, N-1-00011
 5-Nitro-1*H*-benzimidazole-2-thiol, see M-1-00011
 5-Nitro-4*H*-1,3-benzodioxin, N-1-00012
 7-Nitro-4*H*-1,3-benzodioxin, N-1-00013
 8-Nitro-4*H*-1,3-benzodioxin, N-1-00014
 β -Nitrocumene, see N-1-00030
 ► 1-Nitro-1,3,5-cycloheptatriene, N-1-00015
 2-Nitro-1,3-diphenyl-1-propene, N-1-00016
 2-(2-Nitroethenyl)thiophene, see N-1-00039
 Nitrofurilen, N-1-00017
 6-Nitrohexanoic acid, N-1-00018
 2-Nitrohydroacrylic acid, see H-1-00157
 7-Nitroisocarbostyryl, see H-1-00156
 4-Nitro-1-isoquinolinecarboxylic acid, N-1-00019
 5-Nitro-1-isoquinolinecarboxylic acid, N-1-00020
 5-Nitro-3-isoquinolinecarboxylic acid, N-1-00021
 8-Nitro-3-isoquinolinecarboxylic acid, N-1-00022
 7-Nitro-1-isoquinolinol, see H-1-00156
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 ► 4-Nitro-4'-isothiocyanatodiphenylamine, N-1-00023
 4-Nitro-3-isoxazol-5-one, see N-1-00024
 4-Nitro-4*H*-isoxazol-5-one, N-1-00024
 β -(Nitromethyl)benzeneethanamine, see N-1-00031
 Nitromethyl *p*-tolyl sulfide, see M-1-00106
 Nitromethyl *p*-tolyl sulfone, in M-1-00106
 6-Nitro-2,3-naphthalenedicarboxylic acid, N-1-00025
 ► 2-Nitronaphtho[1,8-*bc*]pyran, N-1-00026
 2-Nitro-5-(2-nitroethenyl)furan, see N-1-00017
 2-Nitro-4-(2-nitroethenyl)phenol, N-1-00027
 1-Nitro-2-(5-nitro-2-furyl)ethylene, see N-1-00017
 2-Nitro-5-(2-nitrovinyl)furan, see N-1-00017
 2-Nitro-4-(2-nitrovinyl)phenol, see N-1-00027
 ► 2-Nitro-1-oxaphenalene, see N-1-00026
 4-Nitro[2,2]paracyclophane, N-1-00028
 4-Nitrophenyldithiophosphonic acid, see N-1-00029
 (4-Nitrophenyl)phosphonodithioic acid, N-1-00029
 1-Nitro-2-phenylpropane, N-1-00030
 3-Nitro-2-phenyl-1-propylamine, N-1-00031
 4-Nitrophenaldehyde, see N-1-00011
 1,1'-(2-Nitro-1-propene-1,3-diyl)bisbenzene, see N-1-00016
 (1-Nitropropyl)phosphonic acid, N-1-00032
 (3-Nitropropyl)phosphonic acid, N-1-00033
 4-Nitro-1*H*-pyrazole-3,5-dicarboxylic acid, N-1-00034
 3-Nitro-1*H*-pyrrole-2,5-dicarboxaldehyde, N-1-00035
 1-Nitropyrrolidine, N-1-00036
 3-Nitrosobiphenyl, N-1-00037
 4-Nitrosobiphenyl, N-1-00038
 4-Nitrosoleimellitene, see T-1-00243
 Nitrosopremitene, see T-1-00085
 5-Nitrosopseudocumene, see T-1-00244
 1-Nitro-2-(2-thienyl)ethylene, see N-1-00039
 1-Nitrotricyclo[3.3.1.1 3 .1 3]decanone, see N-1-00010
 5-Nitrotricyclo[8.2.2.2 2 .7]hexadeca-4,6,10,12,13,15-hexaene, see N-1-00028
 2-(2-Nitrovinyl)thiophene, N-1-00039
 1,20-Nonacosadiene, N-1-00040
 1,19-Nonadecanediol, N-1-00041
 3,7-Nonadiyn-1-ol, N-1-00042
 2,2',3,3',4',5,5',6,6'-Nonafluoro-[1,1'-biphenyl]-4-ol, see N-1-00045
 1,1,2,2,3,3,4,4,4-Nonafluoro-1-butanedisulfonic acid, N-1-00043
 3,3,4,4,5,5,6,6,6-Nonafluoro-1-hexene, N-1-00044
 2,2',3,3',4,5,5',6,6'-Nonafluoro-4'-hydroxybiphenyl, N-1-00045
 $\alpha,\alpha,\alpha,\alpha',\alpha',\alpha',\alpha',\alpha',\alpha'$ -Nonafluoromesitylene, see T-1-00280
 1,7-Nonanediol, N-1-00046
 2,8-Nonanediol, N-1-00047
 8-Nonene-2,5-dione, N-1-00048
 1-Nonen-4-ol, N-1-00049
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 1-Nonylnaphthalene, N-1-00051
 2-Nonylnaphthalene, N-1-00052
 ► Noramidopyrine, N-1-00053
 1-Norbormanemethanol, see B-1-00084
 2-Norbormen-7-amine, see A-1-00063
 5-Norbormen-2-amine, see A-1-00064
 1-Norcamphanemethanol, see B-1-00084
 Norcarane-7,7-dicarboxylic acid, see B-1-00083
 1-Norpinanol, see B-1-00085
 2-Norpinanol, see B-1-00086
 ► Novartril, in P-1-00036
 ► Novonal, in D-1-00227
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 Octamide[2]catenane, O-1-00001
 1,3,6,8,10,13,16,19-Octaazabicyclo[6.6.6]eicosane, O-1-00002
 1,8,15,22,29,36,49,78-Octaazaheptadecacyclo[27.13.13.13 3 .22.6 15,36 .6 49,78 .2 3,6 .2 10,13 .2 17,20 .2 24,27 .2 31,34 .2 38,41 .2 44,47 .2 51,54 .2 63,66 .2 73,76 .2 80,83 .2 94,97]tetrahecta-3,5,10,12,17,19,24,26,31,33,38,40,44,46,51,53,56,58,60,63,65,68,70,73,75,80,82,85,87,89,91,94,96,99,101,103-hexatriacontaene, see K-1-00001
 10-Octacosanone, O-1-00003
 1-Octadecanephosphonic acid, see O-1-00005
 9,12,17-Octadecatrienoic acid, O-1-00004
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 1,3-Octadiene, O-1-00006
 2,2',3,3',5,5',6,6'-Octafluoro-*p,p'*-bitolyl, see O-1-00010
 1,1,1,3,3,4,4,4-Octafluoro-2-butanone, O-1-00007
 Octafluorodibenzotetra-thiafulvalene, O-1-00008
 1,1,2,2,3,3,4,4-Octafluoro-1,4-diiodobutane, O-1-00009
 2,2',3,3',5,5',6,6'-Octafluoro-4,4'-dimethylbiphenyl, O-1-00010
 2,2,3,3,4,4,5,5-Octafluoro-1,6-hexanediol, O-1-00011
 Octafluoro(octafluorocyclopentylidene)cyclopentane, see H-1-00024
 5,6,7,8,9,10,11,12-Octahydro-2*H*-1,15,4,8,12-benzodioxatriazacycloheptadecine-3,13(4*H*,14*H*)-dione, O-1-00012
 Octahydro-5,10-butano[1,2]diphosphorino[1,2-*a*][1,2]diphosphorindium(2+), see D-1-00525
 Octahydrocyclopenta[c]pyrrole, O-1-00013
 [(6,7,9,10,17,18,20,21-Octahydrodibenzob[*b,k*][1,4,7,10,13,16]hexaoxacyclooctadecine-2,3,13,14-tetrayl)]tetrakis(methylene)tetrakis[diphenylphosphine], see B-1-00120
 Octahydro[1,2]diphosphorino[1,2-*a*][1,2]diphosphorin, see D-1-00523
 Octahydro-5-methylphosphinolizinium iodide, in P-1-00115
 Octahydro-4a,8a-naphthalenediamine, O-1-00014

- Octahydro-4a,8a-naphthalenediol, O-1-00015
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 6,7,14,15,21,22,29,30-Octahydro-13H,28H-tetrabenzo[*e,f,p,u*][1,4,12,15,8,19]tetraoxadiazacyclodocosine, O-1-00017
 Octahydro-4,4,8,8-tetramethyl-4a,7-methano-4aH-naphth[1,8a-*b*]oxirene, *see* I-1-00070
 Octahydro-5,5,8a-trimethyl-1-methylene-2(1H)-naphthalenone, O-1-00018
 Octakis(phenylseleno)naphthalene, O-1-00019
 41,42,43,44,45,46,47,48-Octamethoxynonacyclo[3.5.3.1.^{1,2,6}.1^{7,11}.1^{12,16}.1^{17,21}.1^{22,26}.1^{27,31}.1^{32,36}]octatetraconta-1(41),2,4,6(48),7,9,11(47),12,14,16(46),17,19,21(45),22,24,26(44),27,29,31(43),32,34,36(42),37,39-tetracosane, O-1-00020
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 3,6-Octanediol, O-1-00022
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 2,4,6-Octatriynedioic acid, O-1-00025
 4-Octene-2,6-diyne, O-1-00026
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 [1₁]Orthocyclophaneheptaone, *see* H-1-00004
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 2-Oxocyclopentaneacetic acid, O-1-00040
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 4',4''-Oxydiacetophenone, *see* B-1-00117
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 1-(5-Phenyl-1*H*-pyrrol-3-yl)ethanone, *see* A-1-00032
 2-Phenyl-4,5-quinolinediol, *see* D-1-00352
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 2-(Phenylseleno)ethanamine, *see* P-1-00098
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 5-Phenyl-1,3,4-thiadiazol-2-amine, *see* A-1-00200
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 2,3,4,6-Tetrabromo-1*H*-indole, T-1-00003
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N,N,N,N-Tetrabutyl-*P*-(*L*-menthyl)phosphonous diamide, *in* D-1-00106
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N,N,N,N-Tetrabutyl-*P*-(trifluoromethyl)phosphonous diamide, *in* T-1-00211
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 1,1,3,3-Tetrachloro-1,3-dihydrobenzo[*c*]thiophene, T-1-00009
 1,2,3,4-Tetrachloro-5-nitrobenzene, T-1-00010
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 1,1,3,3-Tetrachlorothiophthalan, *see* T-1-00009
 11,11,12,12-Tetracyano-1,4-anthraquinodimethane, T-1-00012
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 1,2,3,4-Tetracyclohexylcyclohexane, T-1-00014
 Tetracyclohexylethene, T-1-00015
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- 1,4,7,10,13,16,19,22,25,28,31,34,37,40-Tetradecaoxacyclodotetracontane, *see* C-1-00177
- 2-Tetradecen-1-ol, T-1-00018
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- Tetradecylphosphonic acid, T-1-00019
- Tetrahydrodianthracene monoepoxide, *see* D-1-00124
- Tetraethyl 1,3-adamantylidiphosphonate, *in* A-1-00037
- Tetraethyl (diazomethylene)bisphosphonate, *in* D-1-00120
- Tetraethyl 2,5-dihydroxy-1,4-phenylenebisphosphonate, *in* D-1-00336
- 5,9,10,14-Tetraethyl-4,15-dimethyl-23,24,25-triazapentacyclo[16.3.1.1^{3,6}.1^{8,11}.1^{13,16}]pentacos-1(22),2,4,6,8(24),9,11,13(23),14,16,18,20-dodecaene, *see* B-1-00012
- 5,9,10,14-Tetraethyl-4,15-dimethyl-23,24,25-triazapentacyclo[16.3.1.1^{3,6}.1^{8,11}.1^{13,16}]pentacos-1(22),2,4,6,(25),7,9,11,13(23),14,16,18,20-dodecaene, *see* B-1-00012
- Tetraethyl 1,2-ethenediylbisphosphonate, *in* E-1-00010
- Tetraethyl 1,2-ethyenediylbisphosphonate, *in* E-1-00032
- N,N,N',N'*-Tetraethyl-*P*-9*H*-fluoren-9-ylphosphonous diamide, *in* F-1-00005
- Tetraethyl [(methylphosphinylidene) bis(methylene)]bisphosphonate, *in* M-1-00118
- Tetraethyl [(methylphosphinylidene)dimethylene]diphosphonate, *in* M-1-00118
- N,N,N',N'*-Tetraethyl-*P*-(2-methyl-1-propenyl)phosphonous diamide, *in* M-1-00123
- N,N,N',N'*-Tetraethyl-*P*-(phenylmethyl)phosphonous diamide, *in* B-1-00071
- N,N,N',N'*-Tetraethyl-*P*-(trichloromethyl)phosphonous diamide, *in* T-1-00160
- N,N,N',N'*-Tetraethyl-*P*-(trifluoroethenyl)phosphonous diamide, *in* T-1-00184
- N,N,N',N'*-Tetraethyl-*P*-(trifluoromethyl)phosphonous diamide, *in* T-1-00211
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- 2,2,2,3'-Tetrafluoroacetophenone, T-1-00021
- 2,2,2,4'-Tetrafluoroacetophenone, T-1-00022
- Tetrafluoroanthranilic acid, *see* A-1-00208
- 2,2,3,3-Tetrafluoro-1,4-butanediol, T-1-00023
- Tetrafluorobutatriene, T-1-00024
- 2,2,6,6-Tetrafluorocyclohexanol, T-1-00025
- 1,2,2,2-Tetrafluoroethanol, T-1-00026
- 2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid, T-1-00027
- 1,1,1,2-Tetrafluoro-2-methoxyethane, *in* T-1-00026
- 2,3,3,3-Tetrafluoro-2-methoxypropanoic acid, *in* T-1-00027
- $\alpha,\alpha,\alpha,2$ -Tetrafluoro-5-nitrotoluene, *see* F-1-00045
- $\alpha,\alpha,\alpha,3$ -Tetrafluoro-6-nitrotoluene, *see* F-1-00046
- 2,3,5,6-Tetrafluoro-4-(pentafluorophenyl)phenol, *see* N-1-00045
- $\alpha,\alpha,\alpha,2$ -Tetrafluoro-*m*-toluidine, *see* F-1-00056
- $\alpha,\alpha,\alpha,6$ -Tetrafluoro-*m*-toluidine, *see* F-1-00057
- $\alpha,\alpha,\alpha,4$ -Tetrafluoro-*o*-toluidine, *see* F-1-00058
- $\alpha,\alpha,\alpha,5$ -Tetrafluoro-*o*-toluidine, *see* F-1-00059
- 1,3,4,5-Tetrahydro-2*H*-1-benzazepin-2-one, T-1-00028
- 2,3,4,5-Tetrahydro-1*H*-2-benzazepin-1-one, T-1-00029
- 2,3,4,7-Tetrahydrobenzo[*c*]furan, T-1-00030
- 2,3,4,5-Tetrahydro-3-biphenylcarboxylic acid, *see* P-1-00059
- 6*a*,6*b*,12*b*,12*c*-Tetrahydrocyclobuta[1,2-*c*:4,3-*c'*]di[1]benzothiohydropyran-6,7-dione, T-1-00031
- 6,7,8,9-Tetrahydro-5*H*-dibenz[*c,g*]carbazole, T-1-00032
- 5*a*,6,10,10*a*-Tetrahydro-1,4,6,10-diepoxy-2*H*-cyclohept[*d*]oxepin-5,9(1*H*,4*H*)dione, T-1-00033
- Tetrahydro-1*H*,4*H*,2,5:3*a*,6*a*-dimethanopentalene, *see* T-1-00013
- 1,2,3,4-Tetrahydro-2,8-dimethylnaphthalene, T-1-00034
- 1,2,3,4-Tetrahydro-2,6-dimethyl-4-quinolinol, *see* T-1-00037
- 1,2,3,4-Tetrahydro-3,3-dimethyl-2-quinoxalinone, *see* D-1-00272
- Tetrahydro[1,3]dioxino[5,4-*d*]-1,3-dioxin, T-1-00035
- 1,2,3,4-Tetrahydro-2,4-dioxo-1- β -D-ribofuranosyl-5-pyrimidinecarboxylic acid, *see* U-1-00007
- Tetrahydro-2-furanacetic acid, T-1-00036
- Tetrahydro-3-furanylglycine, *see* A-1-00210
- 1,2,3,4-Tetrahydro-4-hydroxy-2,6-dimethylquinoline, T-1-00037
- 4*b*,9,13*b*,18-Tetrahydroindeno[1,2-*a*]indeno[2',1':2,3]indeno[1,2-*b*]indene, T-1-00038
- 3*a*,4,7,7*a*-Tetrahydro-1*H*-inden-1-one, T-1-00039
- 1,2,3,4-Tetrahydro-1-mercaptanaphthalene, *see* T-1-00047
- 3*a*,4,7,7*a*-Tetrahydro-4,7-methano-1*H*-inden-1-ol, T-1-00040
- 1,2,3,4-Tetrahydro-4-methyl-3-isoquinolinecarboxylic acid, T-1-00041
- 1,2,3,4-Tetrahydro-5-methyl-3-isoquinolinecarboxylic acid, T-1-00042
- 1,2,3,4-Tetrahydro-1-methyl-2-naphthalenol, *see* T-1-00043
- 1,2,3,4-Tetrahydro-1-methyl-2-naphthol, T-1-00043
- Tetrahydro-5-methyl-2*H*-pyran-2-one, T-1-00044
- 1,1,3,3-Tetrahydro-5-methyl-1,1,3,3-tetraphenyl-1,3-diphosphorin, T-1-00045
- 1,2,3,4-Tetrahydro-2-naphthaleneacetic acid, T-1-00046
- 1,2,3,4-Tetrahydro-1-naphthalenethiol, T-1-00047
- 1,1',3,3'-Tetrahydro-1,1',3,3',4,4',5,5'-octaphenylbi-1,3-diphosphol-2-ylidene, T-1-00048
- 4,5,6,7-Tetrahydro-4-oxobenz[*b*]thiophene-2-acetic acid, T-1-00049
- 3,5,8,8*a*-Tetrahydro-5-oxoindolizine, *see* D-1-00295
- 1,2,3,4-Tetrahydro-4-phenyl-3-isoquinolinecarboxylic acid, T-1-00050
- 3*a*,4,5,6-Tetrahydro-3-phenyl-3*H*-pyrrolo[1,2-*b*]pyrazole, *see* N-1-00008
- Tetrahydro-2-phenylthiazole, *see* P-1-00104
- Tetrahydro-4-phenylthiazole, *see* P-1-00105
- Tetrahydro-2*H*-pyran-2-acetic acid, T-1-00051
- Tetrahydro-2*H*-pyran-4-acetic acid, T-1-00052
- 6,7,9-Tetrahydro-1*H*,5*H*-pyrazolo[1,2-*a*][1,2]diazepin-1-one, T-1-00053
- 2,3,5,10-Tetrahydro-1*H*-pyrazolo[1,2-*b*]phthalazine, T-1-00054
- 2,3,4,5-Tetrahydro-3-pyridazinecarboxylic acid, T-1-00055
- 6,7,8,9-Tetrahydro-1,2-*a*]indol-6-one, *see* D-1-00326
- Tetrahydropyrrole, *see* P-1-00184
- 1,3,4,5-Tetrahydropyrrolo[4,3,2-*de*]quinoline, T-1-00056
- 5,7,12,14-Tetrahydroquinolino[2,3-*b*]acridine-7,14-dithione, *see* D-1-00327
- 1,2,3,4-Tetrahydro-2-quinoxalinone, *see* D-1-00329
- Tetrahydro-1,2,5-thiadiazole, *see* T-1-00108
- 2,3,5,6-Tetrahydro-1*H*,4*H*,12*cH*-3*a*,6*a*,12*b*-triazaperylene, T-1-00057
- 1,2,3,4-Tetrahydro-9*H*-xanthen-9-one, *see* T-1-00058
- 1,2,3,4-Tetrahydroxanthone, T-1-00058
- 1,4,5,8-Tetrahydroxy-9,10-anthracenedione, *see* T-1-00059
- 1,4,5,8-Tetrahydroxyanthraquinone, T-1-00059
- 2,3,7,8-Tetrahydroxythianthrene, *see* T-1-00109
- 1,2,3,8-Tetrahydroxy-9*H*-xanthen-9-one, *see* T-1-00060
- 2-(3,4,5,6-Tetrahydroxy-9*H*-xanthen-9-yl)benzoic acid, *see* G-1-00005
- 1,2,3,8-Tetrahydroxyxanthone, T-1-00060
- 6,15,24,33-Tetraodonianonacyclo[32.2.2.2^{2,5}.2^{7,10}.2^{11,14}.2^{16,19}.2^{20,23}.2^{25,28}.2^{29,32}]dopentaconta-2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane, T-1-00061
- 2,5,7,10-Tetraisopropylidene-1,6-dithia-3,8-cyclodecadiyne, T-1-00062
- Tetraisopropylidene-1,2-dithiane, T-1-00063
- Tetraisopropylidene-1,4-dithiane, T-1-00064
- N,N,N',N'*-Tetraisopropyl-*P*-(trichloromethyl)phosphonous diamide, *in* T-1-00160
- 2,2',3,3'-Tetrakis(bromomethyl)biphenyl, T-1-00065
- 2,2',6,6'-Tetrakis(bromomethyl)biphenyl, T-1-00066
- 3,3',4,4'-Tetrakis(bromomethyl)biphenyl, T-1-00067
- 3,3',5,5'-Tetrakis(bromomethyl)biphenyl, T-1-00068
- 1,4,7,10-Tetrakis[2-(dihydroxyphosphinyl)ethyl]-1,4,7,10-tetraazacyclododecane, T-1-00069
- 1,3,5,8-Tetrakis(1,1-dimethylethyl)naphthalene, *see* T-1-00004
- 1,3,6,8-Tetrakis(1,1-dimethylethyl)naphthalene, *see* T-1-00005
- 2,4,6,8-Tetrakis(1,1-dimethylethyl)-1,3,5,7-tetraphosphapentacyclo[4.2.0.0^{2,5}.0^{3,8}.0^{4,7}]octane, *see* T-1-00006
- 1,1,3,3-Tetrakis(1,1-dimethylethyl)triphosphine, *see* T-1-00007
- 1,2,3,4-Tetrakis(diphenylphosphino)benzene, T-1-00070
- 1,2,3,5-Tetrakis(diphenylphosphino)benzene, T-1-00071
- 1,2,4,5-Tetrakis(diphenylphosphino)benzene, T-1-00072
- 2,3,6,7-Tetrakis(hydroxymethyl)tetrathiafulvalene, T-1-00073
- Tetrakis(1-methylethyl) 1,2-ethyenediylbisphosphonate, *in* E-1-00032
- 2,3,5,6-Tetrakis(1-methylethylidene)-1,2-dithiane, *see* T-1-00063
- 3,4,5,6-Tetrakis(1-methylethylidene)-1,4-dithiane, *see* T-1-00064
- Tetrakis(phenylethynyl)methane, *see* B-1-00195
- $\alpha,\alpha,\alpha,\alpha'$ -Tetrakis(trifluoromethyl)-1,3-benzenedimethanol, T-1-00074
- Tetrakis(trifluoromethyl)butatriene, *see* H-1-00029
- Tetrakis(trifluoromethyl)diphosphine, T-1-00075
- Tetrakis(trifluoromethyl)furan, T-1-00076
- Tetrakis(trifluoromethyl)thiophene, T-1-00077
- $\alpha,\alpha,\alpha,\alpha'$ -Tetrakis(trifluoromethyl)-*m*-xylene- α,α' -diol, *see* T-1-00074
- Tetrakis(2,4,6-trimethylphenyl)diphosphine, T-1-00078
- Tetramesityldiphosphine, *see* T-1-00078
- 1,4,5,8-Tetramethoxyanthraquinone, *in* T-1-00059
- 2,3,7,8-Tetramethoxythianthrene, *in* T-1-00109
- 2,2,4,4-Tetramethylalcohol, *see* H-1-00179
- $\alpha,\alpha,\alpha,\alpha'$ -Tetramethyl-1,3-benzenedimethanol, *see* B-1-00179
- 1,2,3,4-Tetramethyl-1,2,3,4-cyclobutanetetrol, T-1-00079
- 1,5,5,6-Tetramethylcyclohexene, T-1-00080
- $\alpha,2,6,6$ -Tetramethyl-1-cyclohexene-1-butanol, *see* C-1-00008
- Tetramethyl (diazomethylene)bisphosphonate, *in* D-1-00120
- Tetramethyl 2,5-dihydroxy-1,4-phenylenebisphosphonate, *in* D-1-00336
- 2,2,5,5-Tetramethyl-3,4-dithia-1,6-hexanedial, *see* D-1-00537
- 2,2,4,4-Tetramethyl-1,3-dithietane, T-1-00081
- Tetramethyl-1,3-dithiol-2-ylidene, *see* T-1-00090

- Tetramethylenecarbamic acid, *see* P-1-00186
N,N'-Tetramethylenedi- β -alanine, *see* S-1-00003
- ▶ Tetramethylenimine, *see* P-1-00184
- Tetramethyl 1,2-ethenediylbisphosphonate, *in* E-1-00010
- Tetramethyl 1,2-ethenediylbisphosphonate, *in* E-1-00032
- 2,2,6,6-Tetramethyl-3,5-heptanediol, T-1-00082
- 2,2,6,6-Tetramethyl-3-heptene, T-1-00083
- 1,3,4,5-Tetramethyl-2-imidazolylidene, *in* D-1-00413
- 1,1,14,14-Tetramethyl-10,11-methano-1*H*-benzo[5,6]cycloocta[1,2,3,4-*def*]fluorene, T-1-00084
- N,N,N',N'*-Tetramethyl-*P*-(2-methyl-1-propenyl)phosphonous diamide, *in* M-1-00123
- 1,2,3,4-Tetramethyl-5-nitrosobenzene, T-1-00085
- 3,3,6,6-Tetramethyl-1,4,7-octatriyne, T-1-00086
- 2,2,6,6-Tetramethyl-4-oxaheptanedioic acid, *see* O-1-00059
- 3,3,4,4-Tetramethyl-2-oxetanone, T-1-00087
- Tetramethyl- β -propionolactone, *see* T-1-00087
- ▶ Tetramethyltellurium, T-1-00088
- Tetramethyltetraselenafulvalene, T-1-00089
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- N,N,N',N'*-Tetramethyl-*P*-(trichloromethyl)phosphonous diamide, *in* T-1-00160
- N,N,N',N'*-Tetramethyl-*P*-(trifluoroethenyl)phosphonous diamide, *in* T-1-00184
- N,N,N',N'*-Tetramethyl-*P*-(trifluoromethyl)phosphonous diamide, *in* T-1-00211
- 1,1,3,3-Tetramethyl-2-(trifluoromethyl)triphosphine, T-1-00091
- α,α,α' -Tetramethyl-*m*-xylene- α,α' -diol, *see* B-1-00179
- ▶ 1,3,5,7-Tetranitrocubane, T-1-00092
- ▶ 1,3,5,7-Tetranitropentacyclo[4.2.0.0^{2,3}.0^{3,8}.0^{4,7}]octane, *see* T-1-00092
- 2,4,7,9-Tetraoxabicyclo[4.4.0]decane, *see* T-1-00035
- 1,3,5,7-Tetraoxadecalin, *see* T-1-00035
- 25,26,27,28-Tetraoxapentacyclo[20.2.1.1^{4,7}.1^{10,13}.1^{16,19}]octacosane-2,4,6,8,10,12,14,16,18,20,22,24-dodecaene, *see* F-1-00073
- Tetraoxaporphyrinogen[2.2.2.2], *see* F-1-00073
- 2,2',5,5'-Tetraphenyl-3,3'-bifuran, T-1-00093
- 5,5',6,6'-Tetraphenyl-3,3'-bi-1,2,4-triazine, T-1-00094
- 1,1,2,4-Tetraphenyl-1-buten-3-yne, T-1-00095
- $\alpha,\alpha,\alpha',\alpha'$ -Tetraphenyl-1,2-cyclobutanedimethanol, T-1-00096
- $\alpha,\alpha,\alpha',\alpha'$ -Tetraphenyl-1,2-cyclohexanedimethanol, T-1-00097
- $\alpha,\alpha,\alpha',\alpha'$ -Tetraphenyl-1,2-cyclopentanedimethanol, T-1-00098
- 2,3,4,5-Tetraphenyl-2-cyclopenten-1-one, T-1-00099
- 1,1,6,6-Tetraphenyl-2,4-hexadiyne-1,6-diol, T-1-00100
- N,N,N',N'*-Tetrapropyl-*P*-(trifluoromethyl)phosphonous diamide, *in* T-1-00211
- Tetrathia[20]annulene[2,0,2,0], T-1-00101
- Tetrathia[22]annulene[2,1,2,1], T-1-00102
- 3,6,9,14-Tetrathia[2]bicyclo[9.2.1]tetradeca-11,13-diene, T-1-00103
- 1,5,9,13-Tetrathia[2]cyclohexadecane, T-1-00104
- 1,5,9,13-Tetrathia[2]cyclohexadecane-3,11-diol, T-1-00105
- Tetrathiafulvalenecarboxylic acid, T-1-00106
- 5,7,12,14-Tetrathiapentacene, *see* B-1-00016
- 23,24,25,26-Tetrathiapentacyclo[18.2.1.1^{3,6}.1^{9,12}.1^{14,17}]hexacosane-1,3,5,7,9,11,13,15,17,19,21-undecaene, *see* T-1-00102
- 21,22,23,24-Tetrathiapentacyclo[16.2.1.1^{2,5}.1^{8,11}.1^{12,15}]tetracosane-1,3,5,7,9,11,13,15,17,19-decaene, *see* T-1-00101
- Tetrathiaporphycene, *see* T-1-00101
- 1,2,3-Thiadiazole-4-carboxaldehyde, T-1-00107
- 1,2,5-Thiadiazolidine, T-1-00108
- 3-Thiahexanedioic acid, *see* C-1-00006
- 2,3,7,8-Thianthrenetrol, T-1-00109
- [1,4]Thiaselenino[3,2-*c*:5,6-*c'*]diquinoline, T-1-00110
- 2-Thiazolemethanol, T-1-00111
- 4-Thiazolemethanol, T-1-00112
- 5-Thiazolemethanol, T-1-00113
- Thieno[3,4-*b*]furan-3-carboxylic acid, T-1-00114
- Thieno[2,3-*c*]furan, T-1-00115
- Thieno[3,2-*c*]furoxan, *in* T-1-00115
- Thieno[2,3-*c*][2,6]naphthyridine, T-1-00116
- Thieno[2,3-*c*][2,7]naphthyridine, T-1-00117
- Thieno[3,2-*c*][2,6]naphthyridine, T-1-00118
- Thieno[3,2-*c*][2,7]naphthyridine, T-1-00119
- Thieno[3,4-*c*][2,6]naphthyridine, T-1-00120
- Thieno[3,4-*c*][2,7]naphthyridine, T-1-00121
- Thieno[2,3-*f*][1,7]naphthyridine, T-1-00122
- Thieno[3,2-*f*][1,7]naphthyridine, T-1-00123
- Thieno[3,4-*f*][1,7]naphthyridine, T-1-00124
- Thieno[2,3-*h*][1,6]naphthyridine, T-1-00125
- Thieno[3,2-*h*][1,6]naphthyridine, T-1-00126
- Thieno[3,4-*h*][1,6]naphthyridine, T-1-00127
- Thieno[2,3-*b*][2,5]naphthyridine (incorr.), *see* T-1-00125
- Thieno[2,3-*b*][2,5]naphthyridine (incorr.), *see* T-1-00126
- Thieno[2,3-*b*][2,6]naphthyridine (incorr.), *see* T-1-00116
- Thieno[2,3-*b*][2,7]naphthyridine (incorr.), *see* T-1-00117
- Thieno[2,3-*b*][2,8]naphthyridine (incorr.), *see* T-1-00122
- Thieno[2,3-*b*][2,8]naphthyridine (incorr.), *see* T-1-00123
- Thieno[3,2-*b*][2,6]naphthyridine (incorr.), *see* T-1-00118
- Thieno[3,2-*b*][2,7]naphthyridine (incorr.), *see* T-1-00119
- Thieno[3,4-*b*][2,5]naphthyridine (incorr.), *see* T-1-00127
- Thieno[3,4-*b*][2,6]naphthyridine (incorr.), *see* T-1-00120
- Thieno[3,4-*b*][2,7]naphthyridine (incorr.), *see* T-1-00121
- Thieno[3,4-*b*][2,8]naphthyridine (incorr.), *see* T-1-00124
- Thieno[3',2':4,5]thieno[2,3-*c*]quinoline, T-1-00128
- 1*H*,3*H*-Thieno[3,4-*c*]thiophene-4,6-dicarboxylic acid, T-1-00129
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- 2-(3-Thienylethynyl)pyridine, *see* P-1-00160
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- 2-(2-Thienyl)-1*H*-indole, T-1-00130
- 3-(2-Thienyl)-1*H*-indole, T-1-00131
- 2-(2-Thienyl)propane, *see* I-1-00083
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- ▶ 2-Thienyl thiocyanate, *see* T-1-00132
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- 1,1'-Thiobis[4-isothiocyanatobenzene], *see* D-1-00367
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- 3-Thiocyanatothiophene, T-1-00133
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- ▶ Thiomedan, *see* D-1-00412
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- 3-*m*-Tolylpropene, *see* M-1-00122
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- (*m*-Tolylsulfonyl)acetic acid, *in* M-1-00112
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- (*m*-Tolylthio)acetic acid, *see* M-1-00112
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- o*-Tolylthioglycolic acid, *see* M-1-00111
- p*-Tolylthioglycolic acid, *see* M-1-00113
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The first digit of the Dictionary Number refers to the number of the Supplement in which the Entry appears. In this, the First Supplement, the first digit is invariably 1.

Where a molecular formula applies to a compound listed as a derivative the Dictionary Number is prefixed by the word '*in*'.

The symbol ► preceding an index term indicates that the Dictionary Entry contains information on toxic or hazardous properties of the compound.

The symbol † refers to a name which is known to be a duplicated name.

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Triiodoethene, T-1-00234
- C₂HNOS₂**
1,3,2-Dithiazol-4-one, D-1-00531
- C₂HNS₂**
Cyanodithioformic acid, C-1-00181
- C₂HN₃O₂S₃**
3 δ^2 ,3 λ^4 -1,3,5,2,4,6-Trithiatiazepine-7-carboxylic acid, T-1-00283
- C₂H₂CINS₂**
1,3,2-Dithiazol-1-ium(1+); Chloride, *in* D-1-00530
- C₂H₂ClO₃P**
(Chloroethynyl)phosphonic acid, C-1-00094
- C₂H₂Cl₂F₃I**
Dichloro(2,2,2-trifluoroethyl)iodine, D-1-00202
- C₂H₂Cl₄O₂P₂**
1,2-Ethenediylbisphosphonic acid; Tetrachloride, *in* E-1-00010
- C₂H₂F₄O**
1,2,2,2-Tetrafluoroethanol, T-1-00026
- C₂H₂F₆P₂**
1,1-Bis(trifluoromethyl)diphosphine, B-1-00211
- C₂H₂F₇O₃PS**
[1,2-Difluoro-2-(pentafluoro- λ^6 -sulfonyl)ethenyl]phosphonic acid, D-1-00244
- C₂H₂NS₂[⊕]**
1,3,2-Dithiazol-1-ium(1+), D-1-00530
- C₂H₂N₂O₄**
1,1-Dinitroethylene, D-1-00486
- C₂H₂N₄OS₃**
3 δ^2 ,3 λ^4 -1,3,5,2,4,6-Trithiatiazepine-7-carboxylic acid; Amide, *in* T-1-00283
- C₂H₃Br₂P**
Vinylphosphonous dibromide, V-1-00005
- C₂H₃Cl₂O₅P**
Dichlorophosphonoacetic acid, D-1-00193
- C₂H₃Cl₂P**
Vinylphosphonous dichloride, V-1-00006
- C₂H₄F₂O₆P₂**
1,2-Difluoro-1,2-ethylenediphosphonic acid, D-1-00237
- C₂H₄F₃N₂P**
P-(Trifluoroethenyl)phosphonous diamide, T-1-00184
- C₂H₄F₃OP**
Methyl(trifluoromethyl)phosphinous acid, M-1-00136
- C₂H₄NO₂P**
Methylphosphonocyanidic acid, M-1-00119
- C₂H₄N₂**
Methylcyanamide, M-1-00043
- C₂H₄N₄O**
Diaminofurazan, D-1-00104
- C₂H₄OS₃**
1,2,3-Trithiolane; 2-Oxide, *in* T-1-00285
- C₂H₄O₆P₂**
1,2-Ethenediylbisphosphonic acid, E-1-00032
- C₂H₄S₃**
1,2,3-Trithiolane, T-1-00285
- C₂H₄S₆**
Methylhexathiepane, M-1-00070
- C₂H₅FO**
1-Fluoroethanol, F-1-00018
- C₂H₆N₂O₂S**
1,2,5-Thiadiazolidine; *S,S*-Dioxide, *in* T-1-00108
- C₂H₆N₂S**
1,2,5-Thiadiazolidine, T-1-00108
- C₂H₆O₃S**
2-Hydroxyethanesulfonic acid, H-1-00093
- C₂H₆O₆P₂**
1,2-Ethenediylbisphosphonic acid, E-1-00010
- C₂H₇N₂P**
Vinylphosphonous diamide, V-1-00004
- C₂H₇O₆PS**
2-Phosphonoethanesulfonic acid, P-1-00120[∘]
- C₂H₈NO₂P**
(2-Aminoethyl)phosphinic acid, A-1-00135
- C₂H₈NO₄P**
(2-Aminoxyethyl)phosphonic acid, A-1-00188
- C₂N₆OS₃**
3 δ^2 ,3 λ^4 -1,3,5,2,4,6-Trithiatiazepine-7-carboxylic acid; Azide, *in* T-1-00283
- C₃HBr₂F₃**
1,1-Dibromo-3,3,3-trifluoropropene, D-1-00163
- C₃HCl₃F₄O**
1,2,2,2-Tetrafluoroethanol; Trichloromethyl ether, *in* T-1-00026
- C₃HF₇**
1,1,1,2,3,3,3-Heptafluoropropane, H-1-00015
- C₃H₂Cl₂F₃I**
1-(Dichloroiodo)-2,2,3,3,3-pentafluoropropane, D-1-00181
- C₃H₂F₄O₃**
2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid, T-1-00027
- C₃H₂I₂N₂**
3,4-Diiodopyrazole, D-1-00359
- C₃H₂N₂**
Isocyanacetoneitrile, I-1-00068
- C₃H₂N₂OS**
1,2,3-Thiadiazole-4-carboxaldehyde, T-1-00107
- C₃H₂N₂O₃**
Diazoformylacetic acid, D-1-00119
- C₃H₂N₂O₄**
Cyanonitroacetic acid, C-1-00182
4-Nitro-4*H*-isoxazol-5-one, N-1-00024
- C₃H₃BrF₂**
3-Bromo-3,3-difluoropropene, B-1-00280
- C₃H₃F₆O₄P**
1,1,1,3,3,3-Hexafluoro-2-hydroxy-2-propanephosphonic acid, H-1-00031
- C₃H₃NO₂**
Isocyanacetoneitrile, I-1-00067
- C₃H₃NS₂**
Methyl cyanodithioformate, *in* C-1-00181
- C₃H₃N₃O₂S₃**
3 δ^2 ,3 λ^4 -1,3,5,2,4,6-Trithiatiazepine-7-carboxylic acid; Me ester, *in* T-1-00283
- C₃H₄BrF₃O**
3-Bromo-1,1,1-trifluoro-2-propanol, B-1-00402
- C₃H₄CIFO**
2-Fluoropropanoic acid; Chloride, *in* F-1-00054
- C₃H₄FN**
1-Cyano-1-fluoroethane, *in* F-1-00054
- C₃H₄F₃I**
1,1,1-Trifluoro-3-iodopropane, T-1-00187
- C₃H₄F₃N₃O**
1-Azido-3,3,3-trifluoro-2-propanol, A-1-00260
- C₃H₄F₄O**
1,1,1,2-Tetrafluoro-2-methoxyethane, *in* T-1-00026
- C₃H₄F₅N**
2,2,3,3,3-Pentafluoro-1-propylamine, P-1-00018
- C₃H₄NO₄P**
3-Isoxazolylphosphonic acid, I-1-00094
- C₃H₄N₂**
1-Amino-2-cyanoethylene, *in* A-1-00201
2-Imidazolylidene, I-1-00006
- C₃H₄N₂O**
Isocyanacetoneitrile; Amide, *in* I-1-00067
- C₃H₄N₂Se**
1,3-Dihydro-2*H*-imidazole-2-selone, D-1-00289
- C₃H₄N₄O**
3-Amino-1,2,4-triazin-5(2*H*)-one, A-1-00220
- C₃H₄O₂**
3-Oxetanone, O-1-00034
- C₃H₅BrN₄**
3,5-Diamino-4-bromo-1*H*-pyrazole, D-1-00085
- C₃H₅BrO**
Propionyl bromide, *in* P-1-00131

- C₃H₅ClO**
► Propionyl chloride, *in* P-1-00131
- C₃H₅FO**
Propionyl fluoride, *in* P-1-00131
- C₃H₅FO₂**
2-Fluoropropanoic acid, F-1-00054
- C₃H₅F₃O₂**
3,3,3-Trifluoro-1,2-propanediol, T-1-00223
- C₃H₅IO**
Propionyl iodide, *in* P-1-00131
- C₃H₅N**
► Propionitrile, *in* P-1-00131
- C₃H₅NO₂**
3-Amino-2-propenoic acid, A-1-00201
- C₃H₅NO₃**
3-Hydroxy-2-nitropropanoic acid, H-1-00157
- C₃H₅N₃O**
3-Amino-5-methyl-1,2,4-oxadiazole, A-1-00174
5-Amino-3-methyl-1,2,4-oxadiazole, A-1-00175
- C₃H₆BrNO₃**
Debropol, B-1-00355
- C₃H₆Br₄P₂**
1,3-Propanediphosphonous acid; Bis(dibromide), *in* P-1-00128
- C₃H₆Cl₂NO₃P**
(1-Methyl-1-nitroethyl)phosphonic acid; Dichloride, *in* M-1-00092
(1-Methyl-2-nitroethyl)phosphonic acid; Dichloride, *in* M-1-00093
- C₃H₆Cl₃OP**
2-Chloro-2-propylphosphonic acid; Dichloride, *in* C-1-00159
- C₃H₆Cl₄P₂**
1,3-Propanediphosphonous acid; Bis(dichloride), *in* P-1-00128
- C₃H₆FNO**
2-Fluoropropanoic acid; Amide, *in* F-1-00054
- C₃H₆F₂**
1,3-Difluoropropane, D-1-00249
2,2-Difluoropropane, D-1-00250
- C₃H₆F₃NO**
3-Amino-1,1,1-trifluoro-2-propanol, A-1-00228
- C₃H₆F₃OP**
Methyl methyl(trifluoromethyl)phosphinite, *in* M-1-00136
- C₃H₆NO₂P**
Methyl methylphosphonocyanidate, *in* M-1-00119
- C₃H₆N₂**
2,3-Dihydro-1*H*-imidazole, D-1-00288
- C₃H₆N₄**
5-Ethyl-1*H*-tetrazole, E-1-00027
- C₃H₆O₂**
1,1-Cyclopropanediol, C-1-00220
► Propanoic acid, P-1-00131
- C₃H₆O₂S₂**
1,5,2,4-Dioxadithiepane, D-1-00490
- C₃H₆O₆S₂**
► Cyclodisone, *in* D-1-00490
- C₃H₇CIN[⊕]**
(Chloromethylene)dimethylammonium(1+), C-1-00118
- C₃H₇Cl₂N**
Dimethylformamide chloride, *in* C-1-00118
- C₃H₇F₃P₂**
1,1-Dimethyl-2-(trifluoromethyl)diphosphine, D-1-00471
- C₃H₇NO**
Propanamide, *in* P-1-00131
- C₃H₇NOS₂**
(Hydroxymethyl)methylcarbomodithioic acid, H-1-00123
- C₃H₇N₃O₂**
3-Azido-1,2-propanediol, A-1-00255
- C₃H₇O₂P**
Phosphetanic acid, P-1-00117
- C₃H₈CIN**
1-Chloro-2-propylamine, C-1-00157
2-Chloro-1-propylamine, C-1-00158
- C₃H₈ClO₃P**
2-Chloro-2-propylphosphonic acid, C-1-00159
- C₃H₈NO₂P**
3-Azetidinephosphinic acid, A-1-00243
- C₃H₈NO₃P**
(1-Methyl-1-nitroethyl)phosphonic acid, M-1-00092
(1-Methyl-2-nitroethyl)phosphonic acid, M-1-00093
(1-Nitropropyl)phosphonic acid, N-1-00032
(3-Nitropropyl)phosphonic acid, N-1-00033
- C₃H₈N₂O**
Propanoic acid; Hydrazide, *in* P-1-00131
- C₃H₈N₂O₂S**
1,2,5-Thiadiazolidine; *N*-Me, *S*,*S*-dioxide, *in* T-1-00108
- C₃H₈O₃**
2-(Hydroxymethoxy)ethanol, H-1-00103
- C₃H₉As**
► Trimethylarsine, T-1-00236
- C₃H₉AsBBr₃**
Trimethylarsine; BBr₃ complex (1:1), *in* T-1-00236
- C₃H₉AsBI₃**
Trimethylarsine; BI₃ complex (1:1), *in* T-1-00236
- C₃H₉AsI₃**
Trimethylarsine; AsI₃ complex (1:1), *in* T-1-00236
- C₃H₉N₅**
4,5-Diamino-2-iminoimidazoline, D-1-00105
- C₃H₁₀NO₂P**
(3-Aminopropyl)phosphinic acid, A-1-00203
- C₃H₁₀NO₃P**
(1-Amino-2-hydroxypropyl)phosphinic acid, A-1-00150
- C₃H₁₀NO₄P**
Mono-methyl (2-aminoxyethyl)phosphonate, *in* A-1-00188
- C₃H₁₀O₄P₂**
1,3-Propanediphosphonous acid, P-1-00128
- C₃H₁₁NO₇P₂**
► Pamidronic acid, A-1-00149
- C₃H₁₁O₇P₃**
[(Methylphosphinylidene)dimethylene]diphosphonic acid, M-1-00118
- C₃H₁₂N₃OP**
Tris(aminomethyl)phosphine; Oxide, *in* T-1-00267
- C₃H₁₂N₃P**
Tris(aminomethyl)phosphine, T-1-00267
- C₄Br₂F₆**
1,1-Dibromo-3,3,3-trifluoro-2-(trifluoromethyl)propene, D-1-00164
- C₄ClF₇**
2-Chloro-1,1,1,3,3,4,4,4-heptafluoro-2-butene, C-1-00101
4-Chloro-1,1,2,3,3,3,4,4-heptafluoro-1-butene, C-1-00102
- C₄F₄**
Tetrafluorobutatriene, T-1-00024
- C₄F₈I₂**
1,1,2,2,3,3,4,4-Octafluoro-1,4-diiodobutane, O-1-00009
- C₄F₈O**
1,1,1,3,3,4,4,4-Octafluoro-2-butanone, O-1-00007
- C₄F₁₀O**
Bis(pentafluoroethyl) ether, B-1-00189
- C₄F₁₂P₂**
Tetrakis(trifluoromethyl)diphosphine, T-1-00075
- C₄HBrO₂**
3-Bromo-3-cyclobutene-1,2-dione, B-1-00238
- C₄HF₉**
2-(Trifluoromethyl)-1,1,1,3,3,3-hexafluoropropane, T-1-00205
- C₄HF₉O₃S**
1,1,2,2,3,3,4,4,4-Nonafluoro-1-butan-sulfonic acid, N-1-00043
- C₄H₂BrIS**
2-Bromo-3-iodothiophene, B-1-00307
2-Bromo-4-iodothiophene, B-1-00308
2-Bromo-5-iodothiophene, B-1-00309
3-Bromo-2-iodothiophene, B-1-00310
3-Bromo-4-iodothiophene, B-1-00311
4-Bromo-2-iodothiophene, B-1-00312
- C₄H₂CINOS**
3-Isothiazolecarboxylic acid; Chloride, *in* I-1-00088
4-Isothiazolecarboxylic acid; Chloride, *in* I-1-00089
5-Isothiazolecarboxylic acid; Chloride, *in* I-1-00090
- C₄H₂CINO₂**
3-Amino-4-chloro-3-cyclobutene-1,2-dione, A-1-00074
- C₄H₂FIN₂**
3-Fluoro-6-iodopyridazine, F-1-00026
- C₄H₂N₂OS**
Thieno[2,3-*c*]furan, T-1-00115
- C₄H₂N₂O₂S**
Thieno[3,2-*c*]furoxan, *in* T-1-00115
- C₄H₂N₂S**
3-Cyanoisothiazole, *in* I-1-00088
4-Cyanoisothiazole, *in* I-1-00089
5-Cyanoisothiazole, *in* I-1-00090
- C₄H₂N₂S₄**
5,5'-Bi(1,4,2-dithiazol-5-ylidene), B-1-00103
- C₄H₂N₃O₃P**
(Tricyanomethyl)phosphonic acid, T-1-00169
- C₄H₂O₂Se**
2,5-Selenophenedione, S-1-00002
- C₄H₃Br₃O**
3,4,4-Tribromo-3-buten-2-one, T-1-00149
- C₄H₃ClF₄O₂**
2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; Me ether, chloride, *in* T-1-00027
- C₄H₃F₃N₂S**
2-Amino-4-(trifluoromethyl)thiazole, A-1-00227
- C₄H₃IN₂**
Iodomethyl propanedinitrile, *in* I-1-00044
- C₄H₃IO₂**
4-Iodo-2(5*H*)-furanone, I-1-00034
- C₄H₃NOS**
3-Isothiazolecarboxaldehyde, I-1-00085
4-Isothiazolecarboxaldehyde, I-1-00086
5-Isothiazolecarboxaldehyde, I-1-00087
- C₄H₃NO₃S**
3-Isothiazolecarboxylic acid, I-1-00088
4-Isothiazolecarboxylic acid, I-1-00089
5-Isothiazolecarboxylic acid, I-1-00090
- C₄H₃NO₄**
5-Hydroxy-4-isoxazolecarboxylic acid, H-1-00102

- C₄H₃N₃Se**
2-Azidoselenophene, A-1-00256
3-Azidoselenophene, A-1-00257
- C₄H₃N₅O**
1,2-Dihydro-3*H*-imidazo[4,5-*e*]-1,2,4-triazin-3-one, D-1-00292
- C₄H₄Cl₂N₂**
4,5-Dichloro-2-methylimidazole, D-1-00187
- C₄H₄F₄O₃**
2,3,3,3-Tetrafluoro-2-methoxypropanoic acid, *in* T-1-00027
- C₄H₄F₅NO**
2,2,3,3,3-Pentafluoro-1-propylamine; *N*-Formyl, *in* P-1-00018
- C₄H₄F₆O**
1,1,1,3,3,3-Hexafluoro-2-methyl-2-propanol, H-1-00032
- C₄H₄F₇N**
2,2,3,3,4,4,4-Heptafluoro-1-butylamine, H-1-00012
- C₄H₄I₂N₂**
4,5-Diiodo-2-methylimidazole, D-1-00358
- C₄H₄N₂OS**
4-Isothiazolecarboxaldehyde; Oxime, (*E*-), *in* I-1-00086
4-Isothiazolecarboxaldehyde; Oxime, (*Z*-), *in* I-1-00086
3-Isothiazolecarboxaldehyde; Oxime, (*E*-), *in* I-1-00085
5-Isothiazolecarboxaldehyde; Oxime, (*Z*-), *in* I-1-00087
3-Isothiazolecarboxylic acid; Amide, *in* I-1-00088
4-Isothiazolecarboxylic acid; Amide, *in* I-1-00089
5-Isothiazolecarboxylic acid; Amide, *in* I-1-00090
- C₄H₄N₂O₂**
2-Oxo-5-oxazolidinecarbonitrile, *in* O-1-00048
- C₄H₄N₆**
2-Amino-3-azidopyrazine, A-1-00054
- C₄H₄N₆O**
7-Amino-1,4-dihydro-5*H*-1,2,3-triazolo[4,5-*d*]pyrimidin-5-one, A-1-00120
- C₄H₄O₂Se**
3,4-Dihydro-2,5-selenophenedione, *in* S-1-00002
- C₄H₅BrF₂O₂**
4-Bromo-4,4-difluorobutanoic acid, B-1-00278
- C₄H₅Cl₂O₃P**
(1-Acetoxyethenyl)phosphonic acid; Dichloride, *in* A-1-00006
- C₄H₅F**
2-Fluoro-1,3-butadiene, F-1-00013
- C₄H₅F₃O**
4,4,4-Trifluoro-2-butanone, T-1-00183
- C₄H₅F₄NO₂**
2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; Me ether, amide, *in* T-1-00027
2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; Me ether, amide, *in* T-1-00027
- C₄H₅IO₄**
Iodomethylpropanedioic acid, I-1-00044
- C₄H₅NO**
3-Aminofuran, A-1-00139
- C₄H₅NOS**
2-Thiazolemethanol, T-1-00111
4-Thiazolemethanol, T-1-00112
5-Thiazolemethanol, T-1-00113
- C₄H₅NO₂**
(Aminomethylene)propanedial, A-1-00168
Isocyanoacetic acid; Me ester, *in* I-1-00067
- C₄H₅NO₃S**
2-Oxo-4-thiazolidinecarboxylic acid, O-1-00055
- C₄H₅NO₄**
2-Oxo-5-oxazolidinecarboxylic acid, O-1-00048
- C₄H₅N₃O₂**
3-Azido-2-butenic acid, A-1-00248
- C₄H₆BrF₃**
1,1,1-Trifluoro-4-bromobutane, T-1-00181
- C₄H₆BrNO₂**
1-Amino-2-bromocyclopropanecarboxylic acid, A-1-00068
- C₄H₆Br₂O**
2,4-Dibromo-2-buten-1-ol, D-1-00140
- C₄H₆ClO₃P**
Dimethyl chloroethynylphosphonate, *in* C-1-00094
- C₄H₆F₄O₂**
2,2,3,3-Tetrafluoro-1,4-butanediol, T-1-00023
- C₄H₆F₆P₂**
1,1-Dimethyl-2,2-bis(trifluoromethyl)diphosphine, D-1-00376
1,2-Dimethyl-1,2-bis(trifluoromethyl)diphosphine, D-1-00377
- C₄H₆NO₄P**
(3-Isoxazolylmethyl)phosphonic acid, I-1-00092
(5-Isoxazolylmethyl)phosphonic acid, I-1-00093
- C₄H₆N₂O**
3-Diazo-2-butanone, D-1-00116
1*H*-Imidazole-2-methanol, I-1-00004
- C₄H₆N₂O₂**
2,3-Piperazinedione, P-1-00122
- C₄H₆N₂S**
5-Ethyl-1,2,3-thiadiazole, E-1-00028
- C₄H₆N₂S₂**
2,3-Piperazinedithione, P-1-00123
- C₄H₆N₂Se**
1,3-Dihydro-1-methyl-2*H*-imidazole-2-selone, *in* D-1-00289
- C₄H₆N₃O₃P**
Diazo(dimethoxyphosphinyl)acetonitrile, *in* D-1-00118
- C₄H₆N₄**
Praxadine, P-1-00154
- C₄H₆N₄O**
3-Amino-1,2,4-triazin-5(2*H*)-one; 3*N*-Me, *in* A-1-00220
- C₄H₆O₃S**
2-Methyl-2-propenethioic acid, M-1-00121
- C₄H₇ClO**
4-Chloro-2-buten-1-ol, C-1-00028
3-Chlorocyclobutanol, C-1-00029
- C₄H₇FO₂**
1-Fluoroethanol; Ac, *in* F-1-00018
2-Fluoropropanoic acid; Me ester, *in* F-1-00054
- C₄H₇F₂NO₂**
2-Amino-3-fluoro-2-(fluoromethyl)acetic acid, A-1-00138
- C₄H₇F₃O**
4,4,4-Trifluoro-1-butanol, T-1-00182
- C₄H₇IO**
3-Iodo-2-buten-1-ol, I-1-00025
- C₄H₇NO₃**
5-Hydroxymethyl-2-oxazolidinone, H-1-00124
- C₄H₇N₂O₅P**
Diazo(dimethoxyphosphinyl)acetic acid, D-1-00118
- C₄H₇N₃**
1-(Aminomethyl)imidazole, A-1-00171
2-(Aminomethyl)imidazole, A-1-00172
- C₄H₇N₃O**
3-Amino-5-methyl-1,2,4-oxadiazole; *N*-Me, *in* A-1-00174
- C₄H₇O₅P**
(1-Acetoxyethenyl)phosphonic acid, A-1-00006
- C₄H₇O₆P**
Bis(carboxymethyl)phosphinic acid, B-1-00137
- C₄H₈Br₂Cl₂Se**
Bis(2-bromoethyl)selenide; Dichloride, *in* B-1-00124
Bis(2-chloroethyl) selenide; *Se*,*Se*-Dibromide, *in* B-1-00138
- C₄H₈Br₂Se**
Bis(2-bromoethyl)selenide, B-1-00124
- C₄H₈Br₄Se**
Dibromobis(2-bromoethyl)(*T*-4)selenium, *in* B-1-00124
- C₄H₈Cl₂Se**
Bis(2-chloroethyl) selenide, B-1-00138
- C₄H₈Cl₄Se**
Bis(2-chloroethyl) selenide; *Se*,*Se*-Dichloride, *in* B-1-00138
- C₄H₈F₃NOS**
Trifluoro(morpholinato-*N*⁺)sulfur, T-1-00219
- C₄H₈NO₂P**
Ethyl methylphosphonocyanidate, *in* M-1-00119
- C₄H₈N₂O**
► Pyrrolidine; *N*-Nitroso, *in* P-1-00184
- C₄H₈N₂O₂**
1-Nitropyrrolidine, N-1-00036
- C₄H₈N₄**
5-Propyl-1*H*-tetrazole, P-1-00145
- C₄H₈OS**
4-Mercapto-2-butanone, M-1-00008
2-Mercapto-2-methylpropanal, M-1-00010
- C₄H₈O₂**
► Methyl propionate, *in* P-1-00131
- C₄H₈BF₅P₂**
1,1-Dimethyl-2,2-bis(trifluoromethyl)diphosphine; BH₃ (1:1) adduct, *in* D-1-00376
- C₄H₉FO**
2-Fluoro-2-methyl-1-propanol, F-1-00044
- C₄H₉N**
1-Methylazetidine, M-1-00021
2-Methylazetidine, M-1-00022
3-Methylazetidine, M-1-00023
► Pyrrolidine, P-1-00184
- C₄H₉NO**
2-Aminobutanol, A-1-00072
3-Aminobutanol, A-1-00073
- C₄H₉N₃O**
3-Azido-2-butanol, A-1-00247
- C₄H₉O₂P**
Ethylvinylphosphinic acid, E-1-00031
1-Methoxyphosphetane 1-oxide, *in* P-1-00117
- C₄H₉O₃P**
Dimethylphosphinylacetic acid, D-1-00466
(2-Ethoxyethenyl)phosphonous acid, E-1-00011
- C₄H₁₀BrIS**
(2-Bromoethyl)dimethylsulfonium(1+); Iodide, *in* B-1-00293
- C₄H₁₀BrS[⊕]**
(2-Bromoethyl)dimethylsulfonium(1+), B-1-00293
- C₄H₁₀Br₂S**
BES, *in* B-1-00293
- C₄H₁₀ClO₃P**
2-Chloro-2-propylphosphonic acid; Mono-Me ester, *in* C-1-00159
- C₄H₁₀NO₃P**
1-(Aminomethyl)cyclopropanephosphonic acid, A-1-00167
- C₄H₁₀NO₅P**
Amino(dimethoxyphosphinyl)acetic acid, A-1-00125

- C₄H₁₀N₂**
3-Amino-2-methylazetidide, A-1-00160
3-Amino-3-methylazetidide, A-1-00161
1-Aminopyrrolidine, *in* P-1-00184
- C₄H₁₀N₂O**
1,4-Diamino-2-butanone, D-1-00086
- C₄H₁₀O₃**
2-(Methoxymethoxy)ethanol, *in* H-1-00103
- C₄H₁₀O₄**
1,2-Bis(hydroxymethoxy)ethane, B-1-00174
- C₄H₁₁NS**
1-Amino-2-methyl-2-propanethiol, A-1-00178
- C₄H₁₁N₂P**
P-(2-Methyl-1-propenyl)phosphonous diamide, M-1-00123
- C₄H₁₂Te**
▶ Tetramethyltellurium, T-1-00088
- C₄N₆O₃S₆**
3β,3λ⁴-1,3,5,2,4,6-Trithiatriazepine-7-carboxylic acid; Anhydride, *in* T-1-00283
- C₅F₁₂O₃S**
1,1,2,2,3,3,4,4,4-Nonafluoro-1-butanefulfonic acid; Trifluoromethyl ester, *in* N-1-00043
- C₅H₂N₄S**
3-Azido-2-cyanothiophene, *in* A-1-00259
- C₅H₂O₄S₃**
2-Thioxo-1,3-dithiole-4,5-dicarboxylic acid, T-1-00136
- C₅H₃BrO₂**
5-Bromo-3-furancarboxaldehyde, B-1-00296
3-Bromo-4-methyl-3-cyclobutene-1,2-dione, B-1-00321
4-Bromo-5-methylene-2(5*H*)-furanone, B-1-00329
- C₅H₃ClN₂O₂S**
4-Chloro-2-mercapto-5-pyrimidinecarboxylic acid, C-1-00115
- C₅H₃ClN₄**
6-Chloro[1,2,4]triazol[4,3-*b*]pyridazine, C-1-00169
- C₅H₃ClO₂**
2-Chloro-3-furancarboxaldehyde, C-1-00098
4-Chloro-2-furancarboxaldehyde, C-1-00099
5-Chloro-2-furancarboxaldehyde, C-1-00100
3-Chloro-4-methyl-3-cyclobutene-1,2-dione, C-1-00117
- C₅H₃F₃N₂O₂**
3-Trifluoromethyl-1*H*-pyrazole-4-carboxylic acid, T-1-00212
4-Trifluoromethyl-1*H*-pyrazole-3-carboxylic acid, T-1-00213
5(3)-Trifluoromethyl-1*H*-pyrazole-3(5)-carboxylic acid, T-1-00214
- C₅H₃F₃O₂**
5-(Trifluoromethyl)-2(5*H*)-furanone, T-1-00204
- C₅H₃F₇**
3,3,4,4,5,5,5-Heptafluoro-1-pentene, H-1-00013
- C₅H₃F₉O₃S**
1,1,2,2,3,3,4,4,4-Nonafluoro-1-butanefulfonic acid; Me ester, *in* N-1-00043
- C₅H₃NS₂**
▶ 2-Thiocyanatothiophene, T-1-00132
3-Thiocyanatothiophene, T-1-00133
- C₅H₃N₃**
1,1,1-Ethanetricarbonitrile, E-1-00008
- C₅H₃N₃OS**
▶ 2-Azido-3-thiophenecarboxaldehyde, A-1-00258
- C₅H₃N₃O₂S**
3-Azido-2-thiophenecarboxylic acid, A-1-00259
- C₅H₃N₃O₅**
2-Hydroxy-3,5-dinitropyridine, H-1-00091
- C₅H₃N₃O₆**
4-Nitro-1*H*-pyrazole-3,5-dicarboxylic acid, N-1-00034
- C₅H₄ClNO₂**
4-Chloro-2-furancarboxaldehyde; Oxime, *in* C-1-00099
5-Chloro-2-furancarboxaldehyde; Oxime, *in* C-1-00100
- C₅H₄Cl₂N₂**
2,4-Dichloro-6-methylpyrimidine, D-1-00188
- C₅H₄IN₅**
2-Amino-6-iodopurine, A-1-00155
- C₅H₄I₂N₂O**
3,4-Diiodopyrazole; *N*-Ac, *in* D-1-00359
- C₅H₄N₂O₂S₃**
2-Thioxo-1,3-dithiole-4,5-dicarboxylic acid; Diamide, *in* T-1-00136
- C₅H₄N₄**
2-Amino-5-cyanopyrimidine, *in* A-1-00206
1*H*-Imidazo[4,5-*b*]pyrazine, I-1-00007
- C₅H₄N₄O₄**
2-Amino-3,5-dinitropyridine, A-1-00130
2-Amino-4,5-dinitropyridine, A-1-00131
4-Amino-3,5-dinitropyridine, A-1-00132
- C₅H₄N₄O₅**
4-Amino-3,5-dinitropyridine; 1-Oxide, *in* A-1-00132
- C₅H₄O₂S₃**
5,6-Dihydro-1,3-dithiole[4,5-*b*][1,4]oxathiin-2-one, D-1-00278
- C₅H₄O₃S**
3-Hydroxy-2-thiophenecarboxylic acid, H-1-00173
3-Hydroxy-5-thiophenecarboxylic acid, H-1-00174
- C₅H₄S₄**
4,6-Dihydrothieno[3,4-*d*]-1,3-dithiole-2-thione, D-1-00331
- C₅H₅BrO**
▶ 2-Bromo-3-methylfuran, B-1-00330
2-Bromo-4-methylfuran, B-1-00331
3-Bromo-2-methylfuran, B-1-00332
4-Bromo-2-methylfuran, B-1-00333
- C₅H₅BrO₂**
4-Bromo-5-methyl-2(5*H*)-furanone, B-1-00334
- C₅H₅ClF₄O₂**
2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; Et ether, chloride, *in* T-1-00027
- C₅H₅FO₃**
3-Fluoro-5-(hydroxymethyl)-2(5*H*)-furanone, F-1-00024
- C₅H₅F₃O₂**
4,4,4-Trifluoro-3-methyl-2-butenic acid, T-1-00203
5-(Trifluoromethyl)-2(5*H*)-furanone; 3,4-Dihydro, *in* T-1-00204
- C₅H₅NO**
3-Vinylisoxazole, V-1-00002
- C₅H₅NOS**
2-Amino-3-thiophenecarboxaldehyde, A-1-00217
3-Amino-2-thiophenecarboxaldehyde, A-1-00218
5-Amino-2-thiophenecarboxaldehyde, A-1-00219
- C₅H₅NO₂**
3-Amino-2-furancarboxaldehyde, A-1-00140
5-Amino-2-furancarboxaldehyde, A-1-00141
- C₅H₅NO₂S**
4-Isothiazolecarboxylic acid; Me ester, *in* I-1-00089
- C₅H₅NO₃**
3-(Aminomethyl)-4-hydroxy-3-cyclobutene-1,2-dione, A-1-00170
3-Methoxy-1*H*-pyrrole-2,5-dione, M-1-00015
- C₅H₅N₃O₂**
6-Amino-3-pyridazinecarboxylic acid, A-1-00204
2-Amino-5-pyrimidinecarboxylic acid, A-1-00206
- C₅H₅N₅**
Zarzissine, A-1-00153
- C₅H₅N₅O**
2,5-Dihydro-5-methyl-3*H*-imidazo-[4,5-*e*]-1,2,4-triazin-3-one, *in* D-1-00292
2,7-Dihydro-7-methyl-3*H*-imidazo[4,5-*e*]-1,2,4-triazin-3-one, *in* D-1-00292
- C₅H₆BrCl**
1-Bromo-3-chlorobicyclo[1.1.1]pentane, B-1-00236
- C₅H₆BrI**
1-Bromo-3-iodobicyclo[1.1.1]pentane, B-1-00305
- C₅H₆BrN₃O**
2-Amino-5-bromo-4-hydroxy-6-methylpyrimidine, A-1-00070
- C₅H₆ClN₃**
2-Amino-4-chloro-5-methylpyrimidine, A-1-00083
2-Amino-4-chloro-6-methylpyrimidine, A-1-00084
4-Amino-5-chloro-2-methylpyrimidine, A-1-00085
4-Amino-5-chloro-6-methylpyrimidine, A-1-00086
4-Amino-6-chloro-2-methylpyrimidine, A-1-00087
4-Amino-6-chloro-5-methylpyrimidine, A-1-00088
5-Amino-2-chloro-4-methylpyrimidine, A-1-00089
5-Amino-4-chloro-6-methylpyrimidine, A-1-00090
2-Chloro-4,6-dimethyl-1,3,5-triazine, C-1-00087
2,3-Diamino-4-chloropyridine, D-1-00087
2,3-Diamino-5-chloropyridine, D-1-00088
2,3-Diamino-6-chloropyridine, D-1-00089
2,6-Diamino-4-chloropyridine, D-1-00090
3,4-Diamino-2-chloropyridine, D-1-00091
3,5-Diamino-2-chloropyridine, D-1-00092
4,5-Diamino-2-chloropyridine, D-1-00093
- C₅H₆F₄O₃**
2-Ethoxy-2,3,3,3-tetrafluoropropanoic acid, *in* T-1-00027
2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; Me ether, Me ester, *in* T-1-00027
- C₅H₆I₂N₂**
4,5-Diiodo-1,2-dimethyl-1*H*-imidazole, *in* D-1-00358
- C₅H₆N₂O**
5,6-Dihydro-4*H*-cyclopenta[*c*]furan, D-1-00264
2-Hydroxy-3-methylpyrazine, H-1-00127
2-Hydroxy-5-methylpyrazine, H-1-00128
2-Hydroxy-6-methylpyrazine, H-1-00129
- C₅H₆N₂O₃**
Ethyl diazomalonaldehyde, *in* D-1-00119
- C₅H₆N₂O₄**
Cyanonitroacetic acid; Et ester, *in* C-1-00182
- C₅H₆N₄O**
6-Amino-3-pyridazinecarboxylic acid; Amide, *in* A-1-00204
- C₅H₆O**
6-Oxabicyclo[3.1.0]hex-2-ene, O-1-00032
- C₅H₆OS**
3-Hydroxy-2-methylthiophene, H-1-00148
4-Hydroxy-2-methylthiophene, H-1-00149
4-Hydroxy-3-methylthiophene, H-1-00150
- C₅H₆O₂S₃**
4,5-Bis(hydroxymethyl)-1,3-dithiole-2-thione, B-1-00178
- C₅H₆O₃**
5-Oxo-2-pentenoic acid, O-1-00051
5-Oxo-3-pentenoic acid, O-1-00052

- C₅H₆O₄**
3-Hydroxy-5-hydroxymethyl-2(5*H*)-furanone, H-1-00099
- C₅H₆O₆**
1,1,1-Ethanetricarboxylic acid, E-1-00009
- C₅H₇Br₂NO**
3,3-Dibromo-2-piperidinone, D-1-00157
- C₅H₇F₄NO₂**
2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; Et ether, amide, *in* T-1-00027
- C₅H₇F₆O₄P**
Dimethyl [(2,2,2-trifluoro-1-hydroxy-1-trifluoromethyl)ethyl]phosphonate, *in* H-1-00031
- C₅H₇IO**
3-Iodobicyclo[1.1.1]pentan-1-ol, I-1-00023
- C₅H₇IO₃**
Dihydro-4-hydroxy-5-(iodomethyl)-2(3*H*)-furanone, D-1-00282
- C₅H₇NO₂**
(Aminomethylene)propanedial; *N*-Me, *in* A-1-00168
3,3-Dimethoxy-2-propenenitrile, D-1-00368
Isocyanacetic acid; Et ester, *in* I-1-00067
4-Vinyl-2-oxazolidinone, V-1-00003
- C₅H₇NO₃**
5-Oxo-3-pyrrolidinecarboxylic acid, O-1-00054
- C₅H₇NO₄**
2-Oxo-5-oxazolidinecarboxylic acid; Me ester, *in* O-1-00048
- C₅H₇NS₂**
2,6-Piperidinedithione, P-1-00124
- C₅H₇N₃**
2-Amino-3-methylpyrazine, A-1-00179
2-Amino-5-methylpyrazine, A-1-00180
2-Amino-6-methylpyrazine, A-1-00181
- C₅H₇N₃O**
2-Amino-3-methylpyrazine; 1-Oxide, *in* A-1-00179
2-Amino-3-methylpyrazine; 4-Oxide, *in* A-1-00179
2-Amino-5-methylpyrazine; 1-Oxide, *in* A-1-00180
2-Amino-5-methylpyrazine; 4-Oxide, *in* A-1-00180
- C₅H₇N₃O₂**
3-Aminoisocrotonic acid; Me ester, *in* A-1-00248
- C₅H₇N₇O₄**
4-Nitro-1*H*-pyrazole-3,5-dicarboxylic acid; Dihydrazide, *in* N-1-00034
- C₅H₈BrNO**
3-Bromo-2-piperidinone, B-1-00385
- C₅H₈BrNO₄**
Debropol; Ac, *in* B-1-00355
- C₅H₈Br₂O**
2,4-Dibromo-1-methoxy-2-butene, *in* D-1-00140
- C₅H₈CINO**
1-(Chlorocarbonyl)pyrrolidine, *in* P-1-00186
5-(Chloromethyl)-2-pyrrolidinone, C-1-00126
- C₅H₈CINS**
5-(Chloromethyl)-2-pyrrolidinedithione, C-1-00125
- C₅H₈F₂O₃**
2-Deoxy-2-fluoroarabinopyranosyl fluoride, D-1-00017
2-Deoxy-2-fluoroloxopyranosyl fluoride, D-1-00031
2-Deoxy-2-fluororibopyranosyl fluoride, D-1-00035
2-Deoxy-2-fluoroxypyranosyl fluoride, D-1-00039
3-Deoxy-3-fluoroxypyranosyl fluoride, D-1-00040
- C₅H₈N₂**
2-(Aminomethyl)pyrrole, A-1-00182
3-(Aminomethyl)pyrrole, A-1-00183
1-Cyanopyrrolidine, *in* P-1-00186
1,3-Dihydro-1,3-dimethyl-2*H*-imidazol-2-ylidene, *in* I-1-00006
4,5-Dimethyl-2-imidazolylidene, D-1-00413
- C₅H₈N₂O**
2-(Hydroxymethyl)-1-methylglyoxaline, *in* I-1-00004
- C₅H₈N₂O₂**
2,3,4,5-Tetrahydro-3-pyridazinecarboxylic acid, T-1-00055
- C₅H₈N₂O₄**
4-Amino-3-oxo-5-isoxazolidineacetic acid, A-1-00187
- C₅H₈N₂S**
2-Cyanothiomorpholine, *in* T-1-00134
- C₅H₈N₂S₂**
▶ 5,5-Dimethyl-2,4-imidazolidinedithione, D-1-00412
- C₅H₈N₄O**
3-Amino-1,2,4-triazin-5(2*H*)-one; 3*N*,3*N*-Di-Me, *in* A-1-00220
- C₅H₈OS**
2-Methyl-2-propenethioic acid; *S*-Me ester, *in* M-1-00121
- C₅H₈O₂**
3-Oxopentanal, O-1-00050
Propanoic acid; Vinyl ester, *in* P-1-00131
- C₅H₈O₃**
4-Cyclopentene-1,2,3-triol, C-1-00217
4-Hydroxy-3-methyl-2-butenic acid, H-1-00115
- C₅H₈O₄**
4,5-Dihydro-4-hydroxy-5-(hydroxymethyl)-2(3*H*)-furanone, D-1-00281
- C₅H₈O₄S**
Danosteine, C-1-00006
- C₅H₈S**
Bicyclo[1.1.1]pentane-1-thiol, B-1-00098
3-(Methylthio)-1,2-butadiene, M-1-00134
- C₅H₉BrO**
3-Bromo-3-methyl-2-butanone, B-1-00319
1-Bromo-2-pentanone, B-1-00372
3-Bromo-2-pentanone, B-1-00373
- C₅H₉BrO₄**
2-Bromo-2-deoxyarabinose, B-1-00250
3-Bromo-3-deoxyarabinose, B-1-00251
2-Bromo-2-deoxyxylose, B-1-00257
3-Bromo-3-deoxyxylose, B-1-00258
4-Bromo-4-deoxyxylose, B-1-00259
5-Bromo-5-deoxyxylose, B-1-00260
2-Bromo-2-deoxyribose, B-1-00264
5-Bromo-5-deoxyribose, B-1-00265
2-Bromo-2-deoxyxylose, B-1-00270
3-Bromo-3-deoxyxylose, B-1-00271
4-Bromo-4-deoxyxylose, B-1-00272
5-Bromo-5-deoxyxylose, B-1-00273
Xylofuranosyl bromide, X-1-00001
- C₅H₉Cl**
(Chloromethyl)cyclobutane, C-1-00116
- C₅H₉ClO**
2-Chloropentanal, C-1-00138
4-Chloropentanal, C-1-00139
2-Chloro-3-pentanone, C-1-00140
3-Chloro-2-pentanone, C-1-00141
4-Chloro-2-pentanone, C-1-00142
3-Chlorotetrahydro-2-methylfuran, C-1-00168
- C₅H₉ClO₄**
2-Chloro-2-deoxyarabinose, C-1-00039
4-Chloro-4-deoxyarabinose, C-1-00040
5-Chloro-5-deoxyarabinose, C-1-00041
2-Chloro-2-deoxyxylose, C-1-00050
5-Chloro-5-deoxyxylose, C-1-00051
5-Chloro-5-deoxyribose, C-1-00055
2-Chloro-2-deoxyxylose, C-1-00059
- 3-Chloro-3-deoxyxylose, C-1-00060
4-Chloro-4-deoxyxylose, C-1-00061
5-Chloro-5-deoxyxylose, C-1-00062
- C₅H₉FO₂**
2-Fluoropropanoic acid; Et ester, *in* F-1-00054
- C₅H₉FO₄**
2-Deoxy-2-fluoroloxose, D-1-00032
2-Deoxy-2-fluoroxyllose, D-1-00041
Xylofuranosyl fluoride, X-1-00002
Xylopyranosyl fluoride, X-1-00003
- C₅H₉F₂NO₂**
2-Amino-3-fluoro-2-(fluoromethyl)acetic acid; Me ester, *in* A-1-00138
- C₅H₉F₃**
1,1,1-Trifluoro-3-methylbutane, T-1-00202
- C₅H₉F₃O₂**
1-Ethoxy-2,2,2-trifluoroethanol, *in* T-1-00223
- C₅H₉F₆IP₂**
1,1-Dimethyl-2,2-bis(trifluoromethyl)diphosphine; Monomethiodide, *in* D-1-00376
- C₅H₉IO₄**
2-Deoxy-2-iodoarabinose, D-1-00049
3-Deoxy-3-iodoarabinose, D-1-00050
5-Deoxy-5-iodoarabinose, D-1-00051
2-Deoxy-2-iodoloxose, D-1-00058
5-Deoxy-5-iodoloxose, D-1-00059
2-Deoxy-2-iodoribose, D-1-00064
3-Deoxy-3-iodoribose, D-1-00065
5-Deoxy-5-iodoribose, D-1-00066
2-Deoxy-2-iodoxylose, D-1-00071
3-Deoxy-3-iodoxylose, D-1-00072
4-Deoxy-4-iodoxylose, D-1-00073
5-Deoxy-5-iodoxylose, D-1-00074
- C₅H₉N**
3-Cyclopenten-1-amine, C-1-00216
- C₅H₉NO₂**
Propanoic acid; Amide, *N*-Ac, *in* P-1-00131
1-Pyrrolidinecarboxylic acid, P-1-00186
- C₅H₉NO₂S**
2-Thiomorpholinecarboxylic acid, T-1-00134
- C₅H₉NO₅**
3-Hydroxy-2-nitropropanoic acid; Et ester, *in* H-1-00157
- C₅H₉N₂O₅P**
Trimethyl diazophosphonoacetate, *in* D-1-00118
- C₅H₉N₃O₂**
2-Amino-1,4,5,6-tetrahydro-4-pyrimidinecarboxylic acid, A-1-00215
2-Amino-1,4,5,6-tetrahydro-5-pyrimidinecarboxylic acid, A-1-00216
Cyclocreatine, C-1-00190
- C₅H₁₀CINO**
▶ 3-Chloro-2-pentanone; Oxime, *in* C-1-00141
- C₅H₁₀IO₇P**
5-Deoxy-5-iodoribose; 1-(Dihydrogen phosphate), *in* D-1-00066
- C₅H₁₀NO₂P**
Isopropyl methylphosphonocyanidate, *in* M-1-00119
- C₅H₁₀NO₆P**
4-Oxo-5-phosphononorvaline, O-1-00053
- C₅H₁₀N₂O**
1-Piperazinecarboxaldehyde, P-1-00121
1-Pyrrolidinecarboxamide, P-1-00185
- C₅H₁₀N₃O₃P**
[1-Amino-2-(4-imidazolyl)ethyl]phosphonic acid, A-1-00152
- C₅H₁₀N₃O₅P**
1-(Carboxymethyl)-2-imino-3-phosphonoimidazolidine, *in* C-1-00190
- C₅H₁₀OS**
2-Methyl-2-(methylthio)propanal, *in* M-1-00010
- C₅H₁₀OS₂**
2-Methyl-1,3-dithiane; 1-Oxide, (*cis*-), *in* M-1-00062

- C₅H₁₀O₂**
 ▶ Ethyl propionate, *in* P-1-00131
 2-Pentene-1,5-diol, P-1-00023
- C₅H₁₀O₂S**
 2-(Mercaptomethyl)butanoic acid, M-1-00009
- C₅H₁₀S₂**
 2-Methyl-1,3-dithiane, M-1-00062
- C₅H₁₀S₇**
 (2-Methylpropyl)heptathiocane, M-1-00125
- C₅H₁₁BrO**
 2-(Bromomethyl)-1-butanol, B-1-00318
 1-Bromo-2-pentanol, B-1-00366
 2-Bromo-3-pentanol, B-1-00367
 3-Bromo-2-pentanol, B-1-00368
 4-Bromo-1-pentanol, B-1-00369
 4-Bromo-2-pentanol, B-1-00370
 5-Bromo-1-pentanol, B-1-00371
- C₅H₁₁Br₂N**
 1-Bromo-2-(bromomethyl)-2-butylamine, B-1-00234
- C₅H₁₁F₃P₂**
 1,1-Diethyl-2-(trifluoromethyl)diphosphine, D-1-00230
- C₅H₁₁N**
 1,2-Dimethylazetidene, *in* M-1-00022
 3-Methyl-2-buten-1-amine, M-1-00040
- C₅H₁₁NO**
 ▶ Propanoic acid; Dimethylamide, *in* P-1-00131
- C₅H₁₁NO₂**
 3,4-Dihydroxy-2-methylpyrrolidine, D-1-00345
- C₅H₁₁NO₃**
 4-Amino-1,2,3-cyclopentanetriol, A-1-00096
 2-Amino-2,5-dideoxyribose, A-1-00117
 2-Amino-3-hydroxy-2-methylbutanoic acid, A-1-00145
 Pentyl nitrate, P-1-00028
- C₅H₁₁NO₄**
 4-Amino-4-deoxyarabinose, A-1-00100
 5-Amino-5-deoxyarabinose, A-1-00101
 4-Amino-4-deoxyxylose, A-1-00104
 5-Amino-5-deoxyxylose, A-1-00105
 4-Amino-4-deoxyribose, A-1-00108
 5-Amino-5-deoxyribose, A-1-00109
 4-Amino-4-deoxyxylose, A-1-00110
 5-Amino-5-deoxyxylose, A-1-00111
- C₅H₁₁NS**
 4-Piperidinethiol, P-1-00125
- C₅H₁₁NS₂**
 1,2-Dithiepan-5-amine, *in* A-1-00190
- C₅H₁₁O₂P**
 1-Ethoxyphosphetane 1-oxide, *in* P-1-00117
 Methyl ethylvinylphosphinate, *in* E-1-00031
- C₅H₁₂CINO**
N,N,N-Trimethyl-2-oxoethanaminium(1+); Chloride, *in* T-1-00246
- C₅H₁₂Cl₃N₂P**
N,N,N,N-Tetramethyl-*P*-(trichloromethyl)phosphonous diamide, *in* T-1-00160
- C₅H₁₂F₃N₂P**
N,N,N,N-Tetramethyl-*P*-(trifluoromethyl)phosphonous diamide, *in* T-1-00211
- C₅H₁₂F₃P₃**
 1,1,3,3-Tetramethyl-2-(trifluoromethyl)triphosphine, T-1-00091
- C₅H₁₂NO[⊕]**
N,N,N-Trimethyl-2-oxoethanaminium(1+), T-1-00246
- C₅H₁₂NO₃P**
 1-(Aminomethyl)cyclobutanephosphonic acid, A-1-00164
- C₅H₁₂NO₅P**
 Dimethyl (1-methyl-1-nitroethyl)phosphonate, *in* M-1-00092
 Dimethyl (1-methyl-2-nitroethyl)phosphonate, *in* M-1-00093
- Dimethyl (1-nitropropyl)phosphonate, *in* N-1-00032
 Trimethyl aminophosphonoacetate, *in* A-1-00125
- C₅H₁₂NO₇P**
 4-Amino-4-deoxyarabinose; 1-Dihydrogen phosphate, *in* A-1-00100
- C₅H₁₂N₂**
 3-Amino-2,2-dimethylazetidene, A-1-00126
- C₅H₁₂N₂O₃**
 2,4-Diamino-2,4-dideoxyarabinose, D-1-00095
 2,5-Diamino-2,5-dideoxyribose, D-1-00100
 2,3-Diamino-2,3-dideoxyxylose, D-1-00101
 2,5-Diamino-2,5-dideoxyxylose, D-1-00102
- C₅H₁₂N₂O₆P₂**
 Tetramethyl (diazomethylene)bisphosphonate, *in* D-1-00120
- C₅H₁₂S**
 2-Pentanethiol, P-1-00020
 3-Pentanethiol, P-1-00021
- C₅H₁₂S₂**
 Butyl methyl disulfide, B-1-00428
- C₅H₁₃NO**
 1-Amino-3-methyl-2-butanol, A-1-00163
- C₅H₁₃NS₂**
 2-Amino-1,5-pentanedithiol, A-1-00189
 3-Amino-1,5-pentanedithiol, A-1-00190
- C₅H₁₃N₃O₂**
 2,3,5-Triamino-2,3,5-trideoxyarabinose, T-1-00139
 2,3,5-Triamino-2,3,5-trideoxyribose, T-1-00141
 2,3,5-Triamino-2,3,5-trideoxyxylose, T-1-00142
- C₅H₁₄NO₂P**
P-tert-Butyl-*N*-methylphosphonamidic acid, B-1-00429
- C₅H₁₅N₂[⊕]**
 Cholamine, C-1-00174
- C₅H₁₅N₃O**
 3-Amino-2,2-bis(aminomethyl)-1-propanol, A-1-00066
- C₅N₂OS₃**
 ▶ 2-Thioxo-1,3-dithiole-4,5-dicarboxylic acid; Dinitrile, 2-*S*-oxide, *in* T-1-00136
- C₅N₂S₃**
 4,5-Dicyano-2-thioxo-1,3-dithiole, *in* T-1-00136
- C₆BrF₅**
 Bromopentafluorobenzene, B-1-00365
- C₆BrF₁₃**
 2-Bromo-1,1,1,3,3,4,4,5,5,5-decafluoro-2-(trifluoromethyl)pentane, B-1-00242
- C₆ClF₅**
 Chloropentafluorobenzene, C-1-00137
- C₆ClF₁₃S**
 1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluoro-1-hexanesulfonyl chloride, T-1-00179
- C₆F₁₂I₂**
 1,1,2,2,3,3,4,4,5,5,6,6-Dodecafluoro-1,6-diiodohexane, D-1-00546
- C₆HCIN₄**
 5-Chloro-2,3-dicyanopyrazine, *in* C-1-00160
- C₆HCl₄NO₂**
 1,2,3,4-Tetrachloro-5-nitrobenzene, T-1-00010
 1,2,3,5-Tetrachloro-4-nitrobenzene, T-1-00011
- C₆HF₃INO₂**
 2,3,4-Trifluoro-1-iodo-5-nitrobenzene, T-1-00186
- C₆HF₉N₂**
 2,4,5-Tris(trifluoromethyl)imidazole, T-1-00281
- C₆H₂Br₂**
 3-(Dibromomethylene)-1,4-pentadiyne, D-1-00151
- C₆H₂Br₃F₉**
 1,2,2-Tribromo-3,3,4,4,5,5,6,6,6-nonafluorohexane, T-1-00152
- C₆H₂Cl₃F**
 1,2,4-Trichloro-5-fluorobenzene, T-1-00159
- C₆H₂Cl₆N₂**
 2,5-Bis(trichloromethyl)pyrazine, B-1-00205
- C₆H₂F₂INO₂**
 1,5-Difluoro-2-iodo-4-nitrobenzene, D-1-00238
- C₆H₂F₂N₂O₄**
 1,5-Difluoro-2,4-dinitrobenzene, D-1-00236
- C₆H₂I₂S₄**
 4-Iodo-2-(4-iodo-1,3-dithiol-2-ylidene)-1,3-dithiole, I-1-00038
- C₆H₃BrF₂O**
 4-Bromo-2,6-difluorophenol, B-1-00279
- C₆H₃BrN₂O₂**
 6-Bromooxazol[4,5-*b*]pyridin-2(3*H*)-one, B-1-00363
- C₆H₃Br₃O₂**
 2,3,5-Tribromo-1,4-benzenediol, T-1-00148
- C₆H₃ClI₂**
 1-Chloro-2,4-diiodobenzene, C-1-00082
 1-Chloro-3,5-diiodobenzene, C-1-00083
 2-Chloro-1,3-diiodobenzene, C-1-00084
 2-Chloro-1,4-diiodobenzene, C-1-00085
 4-Chloro-1,2-diiodobenzene, C-1-00086
- C₆H₃ClN₂O₂**
 6-Chlorooxazol[4,5-*b*]pyridin-2(3*H*)-one, C-1-00136
- C₆H₃ClN₂O₄**
 5-Chloro-2,3-pyrazinedicarboxylic acid, C-1-00160
- C₆H₃Cl₂NO₂**
 3,4-Dichloro-1*H*-pyrrole-2,5-dicarboxaldehyde, D-1-00194
- C₆H₃FINO₂**
 3-Fluoro-2-iodo-4-pyridinecarboxylic acid, F-1-00027
- C₆H₃F₉**
 3,3,4,4,5,5,6,6,6-Nonafluoro-1-hexene, N-1-00044
- C₆H₃F₉O₂**
 1,1,1,3,3,3-Hexafluoro-2-methyl-2-propanol; Trifluoroacetyl, *in* H-1-00032
- C₆H₄BrCl₂P**
 (2-Bromophenyl)phosphonous acid; Dichloride, *in* B-1-00378
- C₆H₄BrF₉**
 6-Bromo-1,1,1,2,2,3,3,4,4-nonafluorohexane, B-1-00356
- C₆H₄BrNO**
 6-Bromo-3-pyridinecarboxaldehyde, B-1-00388
- C₆H₄CINO**
 2-Chloro-4-pyridinecarboxaldehyde, C-1-00161
 4-Chloro-2-pyridinecarboxaldehyde, C-1-00162
 6-Chloro-3-pyridinecarboxaldehyde, C-1-00163
- C₆H₄CIN₃S**
 4-Chloro-5-cyano-2-(methylthio)pyrimidine, *in* C-1-00115
- C₆H₄Cl₄N₂**
 3,4,5,6-Tetrachloro-1,2-benzenediamine, T-1-00008
- C₆H₄INO**
 3-Iodo-2-pyridinecarboxaldehyde, I-1-00060
 4-Iodo-3-pyridinecarboxaldehyde, I-1-00061
- C₆H₄N₂O**
 2-Ethynyl-4-hydroxypyrimidine, E-1-00039
- C₆H₄N₂O₄**
 3-Nitro-1*H*-pyrrole-2,5-dicarboxaldehyde, N-1-00035
- C₆H₄N₂O₅**
 Nitrofulren, N-1-00017

- C₆H₄N₄O**
2-Pteridinol, P-1-00148
6-Pteridinol, P-1-00149
7-Pteridinol, P-1-00150
- C₆H₄N₄S₂**
Bisthiazolo[3,2-*b*:3',2'-*e*][1,2,4,5]tetrazine, B-1-00202
- C₆H₄OS₃**
Benzotrithiole; 1-Oxide, *in* B-1-00038
Benzotrithiole; 2-Oxide, *in* B-1-00038
- C₆H₄O₂S**
1,3,2-Benzodioxathiole, B-1-00015
- C₆H₄O₃S**
Pyrocatechol cyclic sulfite, *in* B-1-00015
- C₆H₄O₄S**
Pyrocatechol cyclic sulfate, *in* B-1-00015
- C₆H₄S₃**
Benzotrithiole, B-1-00038
- C₆H₅BF₄S₄**
2-(1,3-Dithiol-2-yl)-1,3-dithiol-1-ium(1+); Tetrafluoroborate, *in* D-1-00539
- C₆H₅BrOS**
2-Acetyl-3-bromothiophene, A-1-00018
2-Acetyl-4-bromothiophene, A-1-00019
3-Acetyl-4-bromothiophene, A-1-00020
3-Acetyl-5-bromothiophene, A-1-00021
- C₆H₅BrO₂**
2-Acetyl-3-bromofuran, A-1-00014
2-Acetyl-4-bromofuran, A-1-00015
2-Acetyl-5-bromofuran, A-1-00016
3-Acetyl-5-bromofuran, A-1-00017
- C₆H₅ClOS**
2-Acetyl-3-chlorothiophene, A-1-00024
2-Acetyl-4-chlorothiophene, A-1-00025
2-Acetyl-5-chlorothiophene, A-1-00026
3-Acetyl-4-chlorothiophene, A-1-00027
3-Acetyl-5-chlorothiophene, A-1-00028
- C₆H₅ClO₂**
2-Acetyl-5-chlorofuran, A-1-00022
3-Acetyl-5-chlorofuran, A-1-00023
3-Furanacetic acid; Chloride, *in* F-1-00072
- C₆H₅F₃N₂**
4-Amino-2-(trifluoromethyl)pyridine, A-1-00221
- C₆H₅F₃N₂O₂**
3-Trifluoromethyl-1*H*-pyrazole-4-carboxylic acid; Me ester, *in* T-1-00212
4-Trifluoromethyl-1*H*-pyrazole-3-carboxylic acid; Me ester, *in* T-1-00213
5(3)-Trifluoromethyl-1*H*-pyrazole-3(5)-carboxylic acid; Me ester, *in* T-1-00214
- C₆H₅N**
1-Ethynyl-1*H*-pyrrole, E-1-00041
2-Ethynyl-1*H*-pyrrole, E-1-00042
3-Ethynyl-1*H*-pyrrole, E-1-00043
- C₆H₅NO**
3-(Cyanomethyl)furan, *in* F-1-00072
- C₆H₅NO₂**
3-Amino-1,2-benzoquinone, A-1-00057
4-Amino-1,2-benzoquinone, A-1-00058
- C₆H₅NO₂S**
2-(2-Nitrovinyl)thiophene, N-1-00039
- C₆H₅N₂P**
1,4,2-Diazaphospholo[4,5-*a*]pyridine, D-1-00114
- C₆H₅N₃**
4-Cyano-2-methylpyrimidine, *in* M-1-00128
- C₆H₅N₃O**
Pyrazolo[1,5-*b*]pyridazin-4(7*H*)-one, P-1-00156
Pyrazolo[1,2-*a*][1,2,3]triazin-5-ium-4-olate, P-1-00158
- C₆H₅N₃O₂**
1*H*-Imidazo[1,2-*b*]pyrazole-6-carboxylic acid, I-1-00008
- C₆H₅N₃O₂S**
3-Azido-2-thiophenecarboxylic acid; Me ester, *in* A-1-00259
- C₆H₅N₃O₅**
2-Methoxy-3,5-dinitropyridine, *in* H-1-00091
- C₆H₅N₃S**
4-Amino-2,1,3-benzothiadiazole, A-1-00059
- C₆H₅O₃P**
5-Hydroxy-2-phosphorincarboxylic acid, H-1-00172
- C₆H₅O₆**
3,4-Dihydroxy-1*H*-pyrrole-2,5-dicarboxylic acid, D-1-00353
- C₆H₅S₄[⊕]**
2-(1,3-Dithiol-2-yl)-1,3-dithiol-1-ium(1+), D-1-00539
- C₆H₆BrN**
1-Bromo-3-cyanobicyclo[1.1.1]pentane, *in* B-1-00229
- C₆H₆BrNO**
3-Bromo-6-hydroxy-2-methylpyridine, B-1-00301
- C₆H₆BrNOS**
2-Acetyl-3-bromothiophene; Oxime, (*E*-), *in* A-1-00018
2-Acetyl-4-bromothiophene; Oxime, (*E*-), *in* A-1-00019
2-Acetyl-4-bromothiophene; Oxime, (*Z*-), *in* A-1-00019
- C₆H₆BrNO₂**
2-Acetyl-5-bromofuran; Oxime, *in* A-1-00016
- C₆H₆BrO₂P**
(2-Bromophenyl)phosphonous acid, B-1-00378
- C₆H₆ClNO₂**
3-Chloro-4-(dimethylamino)-3-cyclobutene-1,2-dione, *in* A-1-00074
- C₆H₆F₇NO**
2,2,3,3,4,4,4-Heptafluoro-1-butylamine; Ac, *in* H-1-00012
- C₆H₆F₈O₂**
2,2,3,3,4,4,5,5-Octafluoro-1,6-hexanediol, O-1-00011
- C₆H₆NO₃PS₂**
(4-Nitrophenyl)phosphonodithioic acid, N-1-00029
- C₆H₆N₂O₂**
6-Amino-2-pyridinecarboxylic acid, A-1-00205
2-Methyl-4-pyrimidinecarboxylic acid, M-1-00128
- C₆H₆N₂S₄**
3,3'-Dimethylbi(1,4,2-dithiazol-5-ylidene), D-1-00375
- C₆H₆N₄O₂**
3,4-Dihydro-4-hydroxy-2(1*H*)-pteridinone, *in* P-1-00148
7,8-Dihydro-7-hydroxy-6(5*H*)-pteridinone, *in* P-1-00149
- C₆H₆N₄O₄**
2-Amino-3,5-dinitropyridine; *N*-Me, *in* A-1-00130
- C₆H₆N₄O₁₃**
1,2-Anhydro-*allo*-inositol; Tetrannate, *in* E-1-00006
- C₆H₆O₃**
3-Furanacetic acid, F-1-00072
5-Hydroxy-2-methyl-4*H*-pyran-4-one, H-1-00126
- C₆H₆O₃S**
3-Hydroxy-2-thiophenecarboxylic acid; Me ester, *in* H-1-00173
- C₆H₆O₄**
 α -Hydroxymaltol, H-1-00100
- C₆H₇BF₄O**
4-Methylpyrylium(1+); Tetrafluoroborate, *in* M-1-00129
- C₆H₇BrO₂**
3-Bromobicyclo[1.1.1]pentane-1-carboxylic acid, B-1-00229
- C₆H₇ClN₂**
3-Amino-2-chloro-4-methylpyridine, A-1-00079
3-Amino-2-chloro-6-methylpyridine, A-1-00080
4-Amino-3-chloro-2-methylpyridine, A-1-00081
5-Amino-2-chloro-4-methylpyridine, A-1-00082
- C₆H₇ClO₂**
3-Chlorobicyclo[1.1.1]pentane-1-carboxylic acid, C-1-00025
- C₆H₇F₃O₂**
 β -Trifluoromethylcrotonic acid; Me ester, *in* T-1-00203
- C₆H₇N**
1-Vinyl-1*H*-pyrrole, V-1-00008
- C₆H₇NO**
1-Cyano-5-hydroxy-1-cyclopentene, *in* H-1-00076
- C₆H₇NO₂**
3-Furanacetic acid; Amide, *in* F-1-00072
- C₆H₇NO₂S**
2,4-Dimethyl-5-thiazolecarboxylic acid, D-1-00469
3-Isothiazolecarboxylic acid; Et ester, *in* I-1-00088
4-Isothiazolecarboxylic acid; Et ester, *in* I-1-00089
4-Thiazolemethanol; Ac, *in* T-1-00112
5-Thiazolemethanol; Ac, *in* T-1-00113
- C₆H₇NO₃**
3-Acetyl-2,4-pyrrolidinedione, A-1-00033
3-Methoxy-1-methyl-1*H*-pyrrole-2,5-dione, *in* M-1-00015
- C₆H₇NO₄**
5-Hydroxy-4-isoxazolecarboxylic acid; Et ester, *in* H-1-00102
- C₆H₇N₃O**
6-Amino-2-pyridinecarboxylic acid; Amide, *in* A-1-00205
- C₆H₇N₃O₂**
6-Amino-3-pyridazinecarboxylic acid; Me ester, *in* A-1-00204
- C₆H₇O[⊕]**
4-Methylpyrylium(1+), M-1-00129
- C₆H₇O₅P**
2,6-Dihydroxyphenylphosphonic acid, D-1-00351
- C₆H₇O₆P**
(2,4,6-Trihydroxyphenyl)phosphonic acid, T-1-00231
- C₆H₇O₆PS**
3-Phosphenobenzene sulfonic acid, P-1-00119
- C₆H₇O₉PS₂**
5-Phosphono-1,3-benzenedisulfonic acid, P-1-00118
- C₆H₈BrN₂P**
P-(2-Bromophenyl)phosphonous diamide, B-1-00379
P-(3-Bromophenyl)phosphonous diamide, B-1-00380
P-(4-Bromophenyl)phosphonous diamide, B-1-00381
- C₆H₈F₄O**
2,2,6,6-Tetrafluorocyclohexanol, T-1-00025
- C₆H₈N₂O**
5-Hydroxy-2,3-dimethylpyrazine, H-1-00088
- C₆H₈O**
▶ 2,4-Cyclohexadien-1-ol, C-1-00194
3-Methyl-2-penten-4-yn-1-ol, M-1-00100

- C₆H₈O₂**
2,3-Dihydro-2-methyl-4*H*-pyran-4-one, D-1-00308
2,3-Dihydro-4(5*H*)-oxepinone, D-1-00315
6,7-Dihydro-2(3*H*)-oxepinone, D-1-00316
6,7-Dihydro-2(5*H*)-oxepinone, D-1-00317
- C₆H₈O₃**
5-Hydroxy-1-cyclopentene-1-carboxylic acid, H-1-00076
5-Oxo-3-pentenoic acid; Me ester, *in* O-1-00052
- C₆H₈O₄**
5-Hydroxymethyl-3-methoxy-2(5*H*)-furanone, *in* H-1-00099
- C₆H₈O₈P₂**
2,3-Dihydroxy-1,4-benzenediphosphonic acid, D-1-00335
2,5-Dihydroxy-1,4-benzenediphosphonic acid, D-1-00336
- C₆H₈S**
1-(Ethylthio)-1-buten-3-yne, E-1-00030
- C₆H₉Br**
1-Bromo-3-methylbicyclo[1.1.1]pentane, B-1-00314
- C₆H₉BrF₂O₂**
4-Bromo-4,4-difluorobutanoic acid; Et ester, *in* B-1-00278
- C₆H₉BrO**
3-Bromocyclohexanone, B-1-00240
- C₆H₉BrO₃**
4-Bromo-4-deoxylyxose; Me glycoside, 2,3-anhydro, *in* B-1-00259
- C₆H₉ClO**
2-Chloro-2-cyclohexen-1-ol, C-1-00030
- C₆H₉ClO₂**
4-Chloro-2-buten-1-ol; Ac, *in* C-1-00028
- C₆H₉ClO₃**
4-Chloro-4-deoxyxylose; Me glycoside, 2,3-anhydro, *in* C-1-00061
- C₆H₉Cl₂OP**
(3,3-Dimethyl-1-butynyl)phosphonic acid; Dichloride, *in* D-1-00379
- C₆H₉Cl₃**
1,1,2-Trichlorocyclohexane, T-1-00158
- C₆H₉Cl₃O₈S₂**
5-Chloro-5-deoxyxylose; Me glycoside, dichlorosulfate, *in* C-1-00062
- C₆H₉FO₄**
1,6-Anhydro-3-deoxy-3-fluoroaltropyranose, A-1-00230
1,6-Anhydro-3-deoxy-3-fluoroidopyranose, A-1-00231
1,6-Anhydro-3-deoxy-3-fluoromannopyranose, A-1-00232
Mannopyranosyl fluoride; 2,6-Anhydro, *in* M-1-00004
- C₆H₉I**
6-Iodo-2-hexyne, I-1-00037
- C₆H₉IO**
2-Iodo-2-cyclohexen-1-ol, I-1-00027
1-Iodo-3-methoxybicyclo[1.1.1]pentane, *in* I-1-00023
- C₆H₉IO₄**
3,6-Anhydro-5-deoxy-5-iodoidofuranose, A-1-00233
- C₆H₉N**
1,2-Dihydro-2-methylpyridine, D-1-00309
- C₆H₉NO**
2-(Cyanomethyl)tetrahydrofuran, *in* T-1-00036
2,3-Dihydro-2-methyl-4(1*H*)-pyridinone, D-1-00310
- C₆H₉NO₂**
3-Acetyl-2-pyrrolidinone, A-1-00034
5-Acetyl-2-pyrrolidinone, A-1-00035
- (Aminomethylene)propanedial; *N,N*-Di-Me, *in* A-1-00168
5-(Aminomethyl)-2-furanmethanol, A-1-00169
- C₆H₉NO₃**
1-Methyl-4-carboxy-2-pyrrolidone, *in* O-1-00054
5-Oxo-3-pyrrolidincarboxylic acid; Me ester, *in* O-1-00054
- C₆H₉N₃O**
Cytazone, C-1-00184
- C₆H₉N₃O₂S₃**
3*β*,3*γ*⁴-1,3,5,2,4,6-Trithiatriazepine-7-carboxylic acid; *tert*-Butyl ester, *in* T-1-00283
- C₆H₁₀BrN**
2-Bromo-2-cyclohexen-1-amine, B-1-00241
- C₆H₁₀Br₂O₃**
2-Bromo-2,6-dideoxytalopyranosyl bromide, B-1-00277
- C₆H₁₀ClO₃P**
Diethyl chloroethynylphosphonate, *in* C-1-00094
- C₆H₁₀Cl₂O₃**
2-Chloro-2,6-dideoxytalopyranosyl chloride, C-1-00074
- C₆H₁₀Cl₂O₅**
2-*C*-Chlorotalopyranosyl chloride, C-1-00164
- C₆H₁₀F₂O₃**
2-Deoxy-2-fluorofucopyranosyl fluoride, D-1-00021
- C₆H₁₀F₂O₄**
2-Deoxy-2-fluorogalactopyranosyl fluoride, D-1-00022
4-Deoxy-4-fluorogalactopyranosyl fluoride, D-1-00023
2-Deoxy-2-fluorogalactopyranosyl fluoride; α -*D*-form, *in* D-1-00022
2-Deoxy-2-fluoroglucopyranosyl fluoride, D-1-00024
3-Deoxy-3-fluoroglucopyranosyl fluoride, D-1-00025
4-Deoxy-4-fluoroglucopyranosyl fluoride, D-1-00026
2-Deoxy-2-fluoromannopyranosyl fluoride, D-1-00033
2-Deoxy-2-fluorotalopyranosyl fluoride, D-1-00036
- C₆H₁₀F₇O₃PS**
[2-(Diethoxyphosphinyl)-1,2-difluoroethenyl] pentafluorosulfur, *in* D-1-00244
- C₆H₁₀N₂**
3-(Aminomethyl)pyrrole; 1-Me, *in* A-1-00183
2,3-Dihydro-4,5-dimethyl-2-methylene-1*H*-imidazole, D-1-00270
2-(Methylaminomethyl)pyrrole, *in* A-1-00182
- C₆H₁₀N₂O₂**
2-Amino-3,4,5,6-tetrahydro-3-pyridinecarboxylic acid, A-1-00211
6-Amino-2,3,4,5-tetrahydro-2-pyridinecarboxylic acid, A-1-00212
6-Amino-2,3,4,5-tetrahydro-3-pyridinecarboxylic acid, A-1-00213
6-Amino-2,3,4,5-tetrahydro-4-pyridinecarboxylic acid, A-1-00214
2,3-Piperazinedione; 1,4-Di-Me, *in* P-1-00122
2,3-Piperazinedione; 1-Et, *in* P-1-00122
2,3,4,5-Tetrahydro-3-pyridazinecarboxylic acid; Me ester, *in* T-1-00055
- C₆H₁₀N₂S**
4-*tert*-Butyl-1,2,3-thiadiazole, B-1-00434
- C₆H₁₀N₂S₂**
2,3-Piperazinedithione; *N,N'*-Di-Me, *in* P-1-00123
- C₆H₁₀N₃O₃P**
Diazo(diethoxyphosphinyl)acetone nitrile, *in* D-1-00117
- C₆H₁₀O**
2-Vinylcyclobutanol, V-1-00001
- C₆H₁₀OS**
2-Methyl-2-propenethioic acid; *S*-Et ester, *in* M-1-00121
- C₆H₁₀OS₂**
1,5-Dithiocan-3-one, D-1-00538
Zwiebelane A, *in* D-1-00401
Zwiebelane B, *in* D-1-00401
- C₆H₁₀O₂**
3,4-Dihydro-2-methyl-2*H*-pyran-4-ol, D-1-00307
3-Hydroxycyclohexanone, H-1-00074
5-Hydroxy-2-hexenal, H-1-00096
1-Methoxy-1-penten-3-one, *in* O-1-00050
2-Methylcyclobutanecarboxylic acid, M-1-00044
Tetrahydro-5-methyl-2*H*-pyran-2-one, T-1-00044
- C₆H₁₀O₃**
6-Hydroxy-2-hexenoic acid, H-1-00097
4-Hydroxy-3-methyl-2-butenic acid; Me ester, *in* H-1-00115
▶ Propionic anhydride, *in* P-1-00131
Tetrahydro-2-furanacetic acid, T-1-00036
- C₆H₁₀O₄**
2,5,3,4-Dianhydroaltritol, D-1-00111
Tetrahydro[1,3]dioxin[5,4-*d*]-1,3-dioxin, T-1-00035
- C₆H₁₀O₅**
5,6-Epoxy-1,2,3,4-cyclohexanetetrol, E-1-00006
- C₆H₁₀O₆**
2-*C*-(Hydroxymethyl)ribonic acid; γ -Lactone, *in* H-1-00146
- C₆H₁₀S**
2-(Ethylthio)-1,3-butadiene, E-1-00029
- C₆H₁₀S₂**
2,3-Dimethyl-5,6-dithiabicyclo[2.1.1]hexane, D-1-00401
- C₆H₁₁Br**
2-Bromo-3,3-dimethyl-1-butene, B-1-00282
5-Bromo-2-methyl-2-pentene, B-1-00343
- C₆H₁₁BrO**
3-Bromocyclohexanol, B-1-00239
6-Bromohexanal, B-1-00300
2-(Bromomethyl)tetrahydro-2*H*-pyran, B-1-00345
- C₆H₁₁BrO₄**
3-Bromo-3-deoxyarabinose; Me glycoside, *in* B-1-00251
4-Bromo-4-deoxyxylose; Me glycoside, *in* B-1-00259
3-Bromo-3-deoxyxylose; Me glycoside, *in* B-1-00271
6-Deoxyallofuranosyl bromide, D-1-00014
6-Deoxytalofuranosyl bromide, D-1-00076
Methyl 2-bromo-2-deoxy- α -*D*-arabinopyranoside, *in* B-1-00250
- C₆H₁₁BrO₅**
Allofuranosyl bromide, A-1-00045
Allopyranosyl bromide, A-1-00047
Altropyranosyl bromide, A-1-00048
3-Bromo-3-deoxyallose, B-1-00245
6-Bromo-6-deoxyallose, B-1-00246
2-Bromo-2-deoxyaltrose, B-1-00247
3-Bromo-3-deoxyaltrose, B-1-00248
6-Bromo-6-deoxyaltrose, B-1-00249
1-Bromo-1-deoxyfructose, B-1-00252
3-Bromo-3-deoxygulose, B-1-00253
4-Bromo-4-deoxygulose, B-1-00254
5-Bromo-5-deoxyidose, B-1-00255
6-Bromo-6-deoxyidose, B-1-00256
2-Bromo-2-deoxymannose, B-1-00261
6-Bromo-6-deoxymannose, B-1-00262
1-Bromo-1-deoxypsycose, B-1-00263
6-Bromo-6-deoxysorbose, B-1-00266
4-Bromo-4-deoxytagatose, B-1-00267
4-Bromo-4-deoxytalose, B-1-00268
6-Bromo-6-deoxytalose, B-1-00269
Fructofuranosyl bromide, F-1-00067
Fructopyranosyl bromide, F-1-00069
Galactofuranosyl bromide, G-1-00001
Gulofuranosyl bromide, G-1-00008
Gulopyranosyl bromide, G-1-00010

- Idopyranosyl bromide, I-1-00002
Mannofuranosyl bromide, M-1-00001
Psicofuranosyl bromide, P-1-00146
- C₆H₁₁ClO**
1-Chloro-2-hexanone, C-1-00103
- C₆H₁₁ClO₄**
4-Chloro-4-deoxyarabinose; Me glycoside, *in* C-1-00040
2-Chloro-2-deoxyxylose; Me glycoside, *in* C-1-00050
5-Chloro-5-deoxyxylose; Me glycoside, *in* C-1-00051
2-Chloro-2-deoxyxylose; Me glycoside, *in* C-1-00059
3-Chloro-3-deoxyxylose; Me glycoside, *in* C-1-00060
6-Deoxygulopyranosyl chloride, D-1-00042
Methyl 2-chloro-2-deoxy- α -D-arabinofuranoside, *in* C-1-00039
Methyl 2-chloro-2-deoxy- β -D-arabinofuranoside, *in* C-1-00039
Methyl 5-chloro-5-deoxy- α -D-ribofuranoside, *in* C-1-00055
Methyl 5-chloro-5-deoxy- β -D-ribofuranoside, *in* C-1-00055
Methyl 5-chloro-5-deoxy- α -D-xylofuranoside, *in* C-1-00062
Methyl 5-chloro-5-deoxy- β -D-xylofuranoside, *in* C-1-00062
Rhamnofuranosyl chloride, R-1-00001
- C₆H₁₁ClO₅**
Allofuranosyl chloride, A-1-00046
Altropyranosyl chloride, A-1-00049
2-Chloro-2-deoxyallose, C-1-00035
3-Chloro-3-deoxyallose, C-1-00036
6-Chloro-6-deoxyallose, C-1-00037
3-Chloro-3-deoxyaltrose, C-1-00038
1-Chloro-1-deoxyfructose, C-1-00042
4-Chloro-4-deoxyfructose, C-1-00043
6-Chloro-6-deoxyfructose, C-1-00044
3-Chloro-3-deoxygulose, C-1-00045
2-Chloro-2-deoxygulose, C-1-00046
3-Chloro-3-deoxyidose, C-1-00047
5-Chloro-5-deoxyidose, C-1-00048
6-Chloro-6-deoxyidose, C-1-00049
2-Chloro-2-deoxymannose, C-1-00052
6-Chloro-6-deoxymannose, C-1-00053
1-Chloro-1-deoxy psicose, C-1-00054
1-Chloro-1-deoxy sorbose, C-1-00056
5-Chloro-5-deoxytalose, C-1-00057
6-Chloro-6-deoxytalose, C-1-00058
Fructopyranosyl chloride, F-1-00070
Galactoseptanosyl chloride, G-1-00004
Gulofuranosyl chloride, G-1-00009
Gulopyranosyl chloride, G-1-00011
Idopyranosyl chloride, I-1-00003
Psicofuranosyl chloride, P-1-00147
- C₆H₁₁Cl₃**
1-Chloro-2,2-bis(chloromethyl)butane, C-1-00026
- C₆H₁₁FO**
2-Fluorocyclohexanol, F-1-00014
- C₆H₁₁FO₂**
2-Fluoro-2-methyl-1-propanol; Ac, *in* F-1-00044
- C₆H₁₁FO₄**
2-Deoxy-2-fluoroxylose; Me glycoside, *in* D-1-00041
- C₆H₁₁FO₅**
3-Deoxy-3-fluoroallose, D-1-00015
6-Deoxy-6-fluorofructose, D-1-00020
3-Deoxy-3-fluorogulose, D-1-00029
3-Deoxy-3-fluoroidose, D-1-00030
3-Deoxy-3-fluoromannose, D-1-00034
2-Deoxy-2-fluorotalose, D-1-00037
Fructofuranosyl fluoride, F-1-00068
Fructopyranosyl fluoride, F-1-00071
Galactofuranosyl fluoride, G-1-00002
Galactopyranosyl fluoride, G-1-00003
Mannofuranosyl fluoride, M-1-00002
Mannopyranosyl fluoride, M-1-00004
- C₆H₁₁I**
1-Iodo-3,3-dimethyl-1-butene, I-1-00032
- C₆H₁₁IN[⊕]**
N-(Iodomethylene)piperidinium(1+), I-1-00041
- C₆H₁₁IO₅**
3-Deoxy-3-iodoallose, D-1-00043
5-Deoxy-5-iodoallose, D-1-00044
6-Deoxy-6-iodoallose, D-1-00045
2-Deoxy-2-iodoaltrose, D-1-00046
3-Deoxy-3-iodoaltrose, D-1-00047
6-Deoxy-6-iodoaltrose, D-1-00048
4-Deoxy-4-iodofructose, D-1-00052
6-Deoxy-6-iodofructose, D-1-00053
3-Deoxy-3-iodogulose, D-1-00054
6-Deoxy-6-iodogulose, D-1-00055
2-Deoxy-2-iodoidose, D-1-00056
6-Deoxy-6-iodoidose, D-1-00057
2-Deoxy-2-iodomannose, D-1-00060
6-Deoxy-6-iodomannose, D-1-00061
1-Deoxy-1-iodopsicose, D-1-00062
6-Deoxy-6-iodopsicose, D-1-00063
1-Deoxy-1-iodosorbose, D-1-00067
6-Deoxy-6-iodosorbose, D-1-00068
2-Deoxy-2-iodotalose, D-1-00069
5-Deoxy-5-iodotalose, D-1-00070
1-Iodo-1-deoxyfructose, I-1-00031
Mannofuranosyl iodide, M-1-00003
- C₆H₁₁I₂N**
N-(Iodomethylene)piperidinium(1+); Iodide, *in* I-1-00041
- C₆H₁₁N**
4,5-Hexadien-1-amine, H-1-00028
- C₆H₁₁NO**
3-Aminocyclohexanone, A-1-00091
4-Aminocyclohexanone, A-1-00092
4-Amino-2-cyclopentene-1-methanol, A-1-00097
2-Methylcyclobutanecarboxylic acid; Amide, *in* M-1-00044
Pyrrolidine; *N*-Ac, *in* P-1-00184
- C₆H₁₁NO₂**
1-Methoxycarbonylpyrrolidine, *in* P-1-00186
- C₆H₁₁NO₃**
6-Amino-4-cyclohexene-1,2,3-triol, A-1-00093
2-Amino-6-oxohexanoic acid, A-1-00186
 α -Aminotetrahydro-3-furanacetic acid, A-1-00210
Cyclohexyl nitrate, C-1-00204
- C₆H₁₁NO₄**
3-Amino-3-deoxygalactose; 1,6-Anhydro, *in* A-1-00102
5-Amino-5-deoxyidose; 1,6-Anhydro, *in* A-1-00103
3-Amino-3-deoxymannose; 1,6-Anhydro, *in* A-1-00106
4-Amino-4-deoxymannose; 1,6-Anhydro, *in* A-1-00107
6-Nitrohexanoic acid, N-1-00018
- C₆H₁₁N₂O₅P**
Diazodithoxyphosphinyl)acetic acid, D-1-00117
- C₆H₁₁N₃**
2-(Aminomethyl)imidazole; *N,N*-Di-Me, *in* A-1-00172
1-(Dimethylaminomethyl)imidazole, *in* A-1-00171
- C₆H₁₁N₃O₂**
2-Amino-1,4,5,6-tetrahydro-4-pyrimidinecarboxylic acid; Me ester, *in* A-1-00215
2-Amino-1,4,5,6-tetrahydro-5-pyrimidinecarboxylic acid; Me ester, *in* A-1-00216
- C₆H₁₁N₅**
Benzenepentamine, B-1-00006
- C₆H₁₁O₃P**
(3,3-Dimethyl-1-butynyl)phosphonic acid, D-1-00379
- C₆H₁₁O₅P**
Dimethyl (1-acetoxyethenyl)phosphonate, *in* A-1-00006
- C₆H₁₁O₆P**
1,1'-Dimethyl 2,2'-phosphinicobisacetate, *in* B-1-00137
- C₆H₁₂BrNO₂**
2-Amino-6-bromohexanoic acid, A-1-00069
- C₆H₁₂CIN**
► Pyrrolidine; *N*-(2-Chloroethyl), *in* P-1-00184
- C₆H₁₂F₃N₂P**
N,N,N',N'-Tetramethyl-*P*-(trifluoroethenyl)phosphonous diamide, *in* T-1-00184
- C₆H₁₂F₃OP**
tert-Butyl methyl(trifluoromethyl)phosphinite, *in* M-1-00136
- C₆H₁₂NO₆P**
Amino(dimethoxyphosphinyl)acetic acid; *N*-Formyl, Me ester, *in* A-1-00125
- C₆H₁₂N₂O**
3-Aminohexahydro-2*H*-azepin-2-one, A-1-00142
- C₆H₁₂N₂O₃**
6-Nitrohexanoic acid; Amide, *in* N-1-00018
- C₆H₁₂N₃O₄P**
Diazodithoxyphosphinyl)acetamide, *in* D-1-00117
- C₆H₁₂N₄O₂**
(Hexahydro-6-methyl-2-oxo-4-pyrimidinyl)urea, H-1-00044
- C₆H₁₂O**
(2-Methylpropoxy)ethylene, M-1-00124
- C₆H₁₂OS**
4-(Ethylthio)-2-butanone, *in* M-1-00008
2-(Ethylthio)-2-methylpropanal, *in* M-1-00010
- C₆H₁₂O₂**
► Cyclohexyl hydroperoxide, C-1-00201
2-Hydroxy-3-hexanone, H-1-00095
► Isopropyl propionate, *in* P-1-00131
► Propyl propionate, *in* P-1-00131
- C₆H₁₂O₂S**
 α,α -Dimethyl-1,3-dioxalane-2-methanethiol, *in* M-1-00010
- C₆H₁₂O₃**
3,5,5-Trimethyl-1,2-dioxolan-3-ol, T-1-00241
- C₆H₁₂O₄S₂**
2,2,4,4-Tetramethyl-1,3-dithietane; S,S,S',S'-Tetraoxide, *in* T-1-00081
- C₆H₁₂O₆P₂**
Tetramethyl 1,2-ethyenediylbisphosphonate, *in* E-1-00032
- C₆H₁₂O₇**
2-*C*-(Hydroxymethyl)ribonic acid, H-1-00146
- C₆H₁₂S₂**
2,2,4,4-Tetramethyl-1,3-dithietane, T-1-00081
- C₆H₁₃I**
1-Iodo-2-methylpentane, I-1-00042
1-Iodo-3-methylpentane, I-1-00043
- C₆H₁₃IO**
6-Iodo-3-hexanol, I-1-00036
- C₆H₁₃N**
Pyrrolidine; *N*-Et, *in* P-1-00184
- C₆H₁₃NO**
2-Aminobutanol; *N,N*-Di-Me, *in* A-1-00072
3-Aminocyclopentanemethanol, A-1-00095
2,5-Dimethylmorpholine, D-1-00446
2,6-Dimethylmorpholine, D-1-00447
3,3-Dimethylmorpholine, D-1-00448
3,5-Dimethylmorpholine, D-1-00449
- C₆H₁₃NOS**
1-Amino-2-methyl-2-propanethiol; *N*-Ac, *in* A-1-00178
- C₆H₁₃NO₂**
4-Amino-4-methylpentanoic acid, A-1-00176
- C₆H₁₃NO₂S**
5-Amino-6-mercaptohexanoic acid, A-1-00159

- C₆H₁₃NO₃**
2-Amino-3-hydroxy-2-methylbutanoic acid; Me ester, *in* A-1-00145
Hexyl nitrate, H-1-00052
- C₆H₁₃NO₄**
4-Amino-4-deoxyxylose; Me glycoside, *in* A-1-00110
2-Amino-2,6-dideoxyallose, A-1-00113
4-Amino-4,6-dideoxyallose, A-1-00114
4-Amino-4,6-dideoxygalactose, A-1-00115
4-Amino-4,6-dideoxyidose, A-1-00116
Methyl 4-amino-4-deoxy- α -D-arabinopyranoside, *in* A-1-00100
Methyl 4-amino-4-deoxy- α -L-arabinopyranoside, *in* A-1-00100
- C₆H₁₃NO₅**
5-Amino-5-deoxyallose, A-1-00098
3-Amino-3-deoxyaltrose, A-1-00099
3-Amino-3-deoxygalactose, A-1-00102
5-Amino-5-deoxyidose, A-1-00103
3-Amino-3-deoxymannose, A-1-00106
4-Amino-4-deoxymannose, A-1-00107
- C₆H₁₃NS**
4-Piperidinethiol; 1-Me, *in* P-1-00125
- C₆H₁₃N₃O₂**
2,3,4-Triamino-2,3,4-trideoxyidose; 1,6-Anhydro, *in* T-1-00140
- C₆H₁₃O₂P**
Ethyl ethylvinylphosphinate, *in* E-1-00031
- C₆H₁₃O₃P**
Dimethyl (2-ethoxyethenyl)phosphonite, *in* E-1-00011
Ethyl dimethylphosphinyl acetate, *in* D-1-00466
- C₆H₁₃O₄P**
(Diethoxyphosphino)acetic acid, D-1-00224
- C₆H₁₃O₁₀P**
2-C-(Hydroxymethyl)ribonic acid; 5-O-Phosphate, *in* H-1-00146
- C₆H₁₄NO₃P**
1-(Aminomethyl)cyclopentanephosphonic acid, A-1-00166
- C₆H₁₄N₂O₂S**
1,2,5-Thiadiazolidine; *N-tert*-Butyl, S,S-dioxide, *in* T-1-00108
- C₆H₁₄N₂O₃**
2,3-Diamino-2,3,6-trideoxygulose, D-1-00108
2,3-Diamino-2,3,6-trideoxyidose, D-1-00109
2,4-Diamino-2,4,6-trideoxyidose, D-1-00110
- C₆H₁₄N₂O₄**
2,3-Diamino-2,3-dideoxyidose, D-1-00096
2,4-Diamino-2,4-dideoxyidose, D-1-00097
2,6-Diamino-2,6-dideoxyidose, D-1-00098
2,3-Diamino-2,3-dideoxymannose, D-1-00099
- C₆H₁₄O₂**
2,2-Dimethyl-1,4-butanediol, D-1-00378
- C₆H₁₄O₆P₂**
Tetramethyl 1,2-ethenediylbisphosphonate, *in* E-1-00010
- C₆H₁₄Se**
Diisopropyl selenide, D-1-00366
- C₆H₁₄Se₂**
Dipropyl diselenide, D-1-00527
- C₆H₁₅N₂P**
P-Ethenyl-*N,N,N',N'*-tetramethylphosphonous diamide, *in* V-1-00004
- C₆H₁₅N₃O₂**
2,3,4-Triamino-2,3,4,6-tetraoxymannose, T-1-00138
2,3,5-Triamino-2,3,5-trideoxyarabinose; Me glycoside, *in* T-1-00139
- C₆H₁₅N₃O₃**
2,3,4-Triamino-2,3,4-trideoxyidose, T-1-00140
- C₆H₁₆NO₂P**
Methyl *P-tert*-butyl-*N*-methylphosphonamidate, *in* B-1-00429
- C₆H₁₆NO₄P**
Diethyl (2-aminoxyethyl)phosphonate, *in* A-1-00188
- C₆H₁₆N₄O₂**
2,3,4,6-Tetraamino-2,3,4,6-tetraoxyidose, T-1-00001
- C₆H₁₈Te**
Hexamethyltellurium, H-1-00048
- C₇BrF₁₅**
1-Bromo-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane, B-1-00364
- C₇F₁₃N**
Tridecafluoroheptanenitrile, *in* T-1-00178
- C₇HF₁₃O₂**
Tridecafluoroheptanoic acid, T-1-00178
- C₇H₂ClF₃N₂O₄**
2-Chloro-1,5-dinitro-3-(trifluoromethyl)benzene, C-1-00088
- C₇H₂Cl₂F₃NO₂**
1,5-Dichloro-2-nitro-4-(trifluoromethyl)benzene, D-1-00189
- C₇H₂F₄N₂**
2-Cyano-3,4,5,6-tetrafluoroaniline, *in* A-1-00208
- C₇H₂F₁₃NO**
Tridecafluoroheptanoic acid; Amide, *in* T-1-00178
- C₇H₃ClF₂O₂**
2-Chloro-3,4-difluorobenzoic acid, C-1-00075
3-Chloro-2,4-difluorobenzoic acid, C-1-00076
- C₇H₃Cl₂FO₂**
2,3-Dichloro-4-fluorobenzoic acid, D-1-00178
- C₇H₃Cl₂F₃**
1,2-Dichloro-4-(trifluoromethyl)benzene, D-1-00203
1,4-Dichloro-2-(trifluoromethyl)benzene, D-1-00204
2,4-Dichloro-1-(trifluoromethyl)benzene, D-1-00205
- C₇H₃Cl₅**
1,2-Dichloro-4-(trichloromethyl)benzene, D-1-00197
1,3-Dichloro-2-(trichloromethyl)benzene, D-1-00198
1,3-Dichloro-5-(trichloromethyl)benzene, D-1-00199
1,4-Dichloro-2-(trichloromethyl)benzene, D-1-00200
2,4-Dichloro-1-(trichloromethyl)benzene, D-1-00201
- C₇H₃Cl₆N**
3,5-Bis(trichloromethyl)pyridine, B-1-00206
- C₇H₃F₄NO₂**
2-Amino-3,4,5,6-tetrafluorobenzoic acid, A-1-00208
1-Fluoro-4-nitro-2-(trifluoromethyl)benzene, F-1-00045
1-Fluoro-4-nitro-3-(trifluoromethyl)benzene, F-1-00046
- C₇H₄ClFO₂**
2-Chloro-3-fluorobenzoic acid, C-1-00097
- C₇H₄CINS**
► 2-Chlorobenzothiazole, C-1-00019
4-Chlorobenzothiazole, C-1-00020
5-Chlorobenzothiazole, C-1-00021
6-Chlorobenzothiazole, C-1-00022
7-Chlorobenzothiazole, C-1-00023
- C₇H₄Cl₂F₃P**
(3-Trifluoromethylphenyl)phosphonous dichloride, T-1-00207
- C₇H₄Cl₂N₂S**
5,6-Dichloro-2-mercaptobenzimidazole, D-1-00182
- C₇H₄F₂O₂S**
2,4-Difluoro-3-mercaptobenzoic acid, D-1-00239
3,4-Difluoro-2-mercaptobenzoic acid, D-1-00240
- C₇H₄F₃I**
1-Iodo-2-(trifluoromethyl)benzene, I-1-00062
1-Iodo-3-(trifluoromethyl)benzene, I-1-00063
1-Iodo-4-(trifluoromethyl)benzene, I-1-00064
- C₇H₄F₄N₂O**
2-Amino-3,4,5,6-tetrafluorobenzoic acid; Amide, *in* A-1-00208
- C₇H₄O₂S₄**
Tetrathiafulvalenecarboxylic acid, T-1-00106
- C₇H₄O₃S**
Thieno[3,4-*b*]furan-3-carboxylic acid, T-1-00114
- C₇H₄O₄**
4-Hydroxy-1,3-benzodioxol-2-one, H-1-00055
5-Hydroxy-1,3-benzodioxol-2-one, H-1-00056
- C₇H₅BrClNO₂**
2-(Bromomethyl)-1-chloro-3-nitrobenzene, B-1-00320
- C₇H₅BrF₂O**
5-Bromo-1,3-difluoro-2-methoxybenzene, *in* B-1-00279
- C₇H₅BrN₂**
3-Bromo-4-(cyanomethyl)pyridine, *in* B-1-00386
3-Bromo-5-(cyanomethyl)pyridine, *in* B-1-00387
- C₇H₅Br₂F**
1-(Dibromomethyl)-3-fluorobenzene, D-1-00152
1-(Dibromomethyl)-4-fluorobenzene, D-1-00153
- C₇H₅ClO₂**
3-Chloro-2-hydroxy-2,4,6-cycloheptatrien-1-one, C-1-00105
4-Chloro-2-hydroxy-2,4,6-cycloheptatrien-1-one, C-1-00106
- C₇H₅ClO₃**
4-Chloro-3,5-dihydroxybenzaldehyde, C-1-00081
- C₇H₅Cl₂F**
1-(Dichloromethyl)-2-fluorobenzene, D-1-00184
1-(Dichloromethyl)-3-fluorobenzene, D-1-00185
1-(Dichloromethyl)-4-fluorobenzene, D-1-00186
- C₇H₅FO₂**
3-Fluoro-2-hydroxybenzaldehyde, F-1-00020
3-Fluoro-4-hydroxybenzaldehyde, F-1-00021
5-Fluoro-2-hydroxybenzaldehyde, F-1-00022
- C₇H₅F₄N**
2-Fluoro-3-(trifluoromethyl)aniline, F-1-00056
2-Fluoro-5-(trifluoromethyl)aniline, F-1-00057
4-Fluoro-2-(trifluoromethyl)aniline, F-1-00058
5-Fluoro-2-(trifluoromethyl)aniline, F-1-00059
- C₇H₅NO₂S₂**
Benzensulfonfyl thiocyanate, B-1-00007
- C₇H₅N₃OS**
2,3-Dihydro-2-thioxopyrido[3,2-*d*]pyrimidin-4(1*H*)-one, D-1-00333
- C₇H₅N₃O₂**
1*H*-Benzotriazole-4(7)-carboxylic acid, B-1-00036
1*H*-Benzotriazole-5(6)-carboxylic acid, B-1-00037
- C₇H₅N₃O₂S**
2-Mercapto-5-nitrobenzimidazole, M-1-00011
- C₇H₆**
Spiro[2.4]hepta-1,4,6-triene, S-1-00004
- C₇H₆BrNO₂**
3-Bromo-4-pyridineacetic acid, B-1-00386
5-Bromo-3-pyridineacetic acid, B-1-00387
- C₇H₆Br₂O**
2,4-Dibromobenzyl alcohol, D-1-00135
2,5-Dibromobenzyl alcohol, D-1-00136
2,6-Dibromobenzyl alcohol, D-1-00137
3,5-Dibromobenzyl alcohol, D-1-00138
- C₇H₆ClO₂P**
2-Chloro-2,3-dihydro-1,4,2-benzodioxaphosphorin, C-1-00077
- C₇H₆ClO₂PS**
2-Chloro-2,3-dihydro-1,4,2-benzodioxaphosphorin; 2-Sulfide, *in* C-1-00077

- C₇H₆ClO₃P**
2-Chloro-2,3-dihydro-1,4,2-benzodioxaphosphorin; 2-Oxide, *in* C-1-00077
- C₇H₆Cl₃OP**
(Chlorophenylmethyl)phosphonic dichloride, C-1-00153
- C₇H₆FNO₂**
3-Fluoro-4-hydroxybenzaldehyde; Oxime, *in* F-1-00021
- C₇H₆F₂OSe**
[(Difluoromethyl)seleninyl]benzene, *in* D-1-00242
- C₇H₆F₂Se**
(Difluoromethyl)phenyl selenide, D-1-00242
- C₇H₆F₂Te**
(Difluoromethyl) phenyl telluride, D-1-00243
- C₇H₆F₃O₃P**
[3-(Trifluoroethyl)phenyl]phosphonic acid, T-1-00185
- C₇H₆N₂O**
2-Ethynyl-4-methoxypyrimidine, *in* E-1-00039
4-(Hydroxymethyl)-3-pyridinecarboxylic acid; Nitrile, *in* H-1-00136
Pyrazolol[1,5-*a*]pyridin-5-ol, P-1-00157
- C₇H₆N₂O₄**
1,6-Dinitro-1,3,5-cycloheptatriene, D-1-00485
- C₇H₆N₂S**
3-Methylisothiazolo[4,5-*b*]pyridine, M-1-00082
3-Methylisothiazolo[5,4-*c*]pyridine, M-1-00083
- C₇H₆N₄O**
2-Amino-4-hydroxypyrido[2,3-*d*]pyrimidine, A-1-00151
- C₇H₆OS**
3-Methylthieno[3,4-*b*]furan, M-1-00133
- C₇H₆OS₄**
2-(Hydroxymethyl)tetrathiafulvalene, H-1-00147
- C₇H₆O₄S₃**
2-Thioxo-1,3-dithiole-4,5-dicarboxylic acid; Di-Me ester, *in* T-1-00136
- C₇H₇BO₃**
▶ (2-Formylphenyl)boronic acid, F-1-00063
(3-Formylphenyl)boronic acid, F-1-00064
(4-Formylphenyl)boronic acid, F-1-00065
- C₇H₇ClN₂O₂S**
4-Chloro-2-mercapto-5-pyrimidinecarboxylic acid; *S*-Me, Me ester, *in* C-1-00115
- C₇H₇CIS**
2-Chlorobenzenemethanethiol, C-1-00012
3-Chlorobenzenemethanethiol, C-1-00013
4-Chlorobenzenemethanethiol, C-1-00014
- C₇H₇Cl₂OP**
(4-Methoxyphenyl)phosphonous dichloride, M-1-00014
- C₇H₇FO**
2-Fluorobenzyl alcohol, F-1-00007
3-Fluorobenzyl alcohol, F-1-00008
4-Fluorobenzyl alcohol, F-1-00009
- C₇H₇F₃N₂O₂**
3-Carbomethoxy-1-methyl-4-(trifluoromethyl)pyrazole, *in* T-1-00213
5-Carbomethoxy-1-methyl-4-(trifluoromethyl)pyrazole, *in* T-1-00213
5(3)-Trifluoromethyl-1*H*-pyrazole-3(5)-carboxylic acid; Et ester, *in* T-1-00214
- C₇H₇N**
2-Ethynyl-1*H*-pyrrole; *N*-Me, *in* E-1-00042
3-Ethynyl-1*H*-pyrrole; *N*-Me, *in* E-1-00043
- C₇H₇NOS**
4,7-Dihydro-6(5*H*)-benzothiazolone, D-1-00262
- C₇H₇NO₂**
▶ 1-Nitro-1,3,5-cycloheptatriene, N-1-00015
- C₇H₇NO₃**
2-(Hydroxymethyl)-3-pyridinecarboxylic acid, H-1-00131
2-(Hydroxymethyl)-4-pyridinecarboxylic acid, H-1-00132
3-(Hydroxymethyl)-2-pyridinecarboxylic acid, H-1-00133
3-(Hydroxymethyl)-4-pyridinecarboxylic acid, H-1-00134
4-(Hydroxymethyl)-2-pyridinecarboxylic acid, H-1-00135
4-(Hydroxymethyl)-3-pyridinecarboxylic acid, H-1-00136
5-(Hydroxymethyl)-2-pyridinecarboxylic acid, H-1-00137
5-(Hydroxymethyl)-3-pyridinecarboxylic acid, H-1-00138
6-(Hydroxymethyl)-2-pyridinecarboxylic acid, H-1-00139
6-(Hydroxymethyl)-3-pyridinecarboxylic acid, H-1-00140
- C₇H₇NO₄**
6-(Hydroxymethyl)-2-pyridinecarboxylic acid; *N*-Oxide, *in* H-1-00139
- C₇H₇N₂O₂P**
(Diazomethyl)phenylphosphonic acid, D-1-00122
- C₇H₇N₃O**
5(6)-(Hydroxymethyl)benzotriazole, H-1-00112
- C₇H₇N₃O₅**
2-Ethoxy-3,5-dinitropyridine, *in* H-1-00091
- C₇H₇N₃O₆**
4-Nitro-1*H*-pyrazole-3,5-dicarboxylic acid; Di-Me ester, *in* N-1-00034
- C₇H₇N₅O**
2-Amino-4-hydroxy-6-methylpteridine, A-1-00147
- C₇H₇N₅O₂**
2-Amino-4-hydroxy-6-methylpteridine; *N*⁸-Oxide, *in* A-1-00147
- C₇H₈BrNO**
3-Bromo-6-methoxy-2-methylpyridine, *in* B-1-00301
- C₇H₈ClO₃P**
 α -Chlorobenzylphosphonic acid, C-1-00024
- C₇H₈N₂**
5,6-Dihydroimidazo[1,2-*a*]pyridine, D-1-00290
1*H*-Pyrrole-1-propanenitrile, *in* P-1-00181
- C₇H₈N₂O₂**
6-Amino-2-pyridinecarboxylic acid; Me ester, *in* A-1-00205
2-(Hydroxymethyl)-4-pyridinecarboxylic acid; Amide, *in* H-1-00132
5-(Hydroxymethyl)-3-pyridinecarboxylic acid; Amide, *in* H-1-00138
2-Methyl-4-pyrimidinecarboxylic acid; Me ester, *in* M-1-00128
- C₇H₈N₂S**
6-Methyl-2-pyridinecarbothioamide, M-1-00127
- C₇H₈N₄O₄**
2-Amino-3,5-dinitropyridine; *N,N*-Di-Me, *in* A-1-00130
- C₇H₈O₂**
3-Methyl-2-penten-4-yn-1-ol; Formyl, *in* M-1-00100
- C₇H₈O₂S**
3-Hydroxy-2-methylthiophene; Ac, *in* H-1-00148
- C₇H₈O₃S**
3-Hydroxy-2-thiophenecarboxylic acid; Et ester, *in* H-1-00173
- C₇H₈O₄**
2-(Hydroxymethyl)-3-methoxy-4*H*-pyran-4-one, *in* H-1-00100
1,2-Spiropentanedicarboxylic acid, S-1-00005
- C₇H₈S**
Bicyclo[2.2.1]hepta-2,5-diene-7-thiol, B-1-00082
- C₇H₈S₂**
Benzenemethanesulfenothioic acid, B-1-00005
Methyl phenyl disulfide, M-1-00105
- C₇H₉BrO**
1-Acetyl-3-bromobicyclo[1.1.1]pentane, A-1-00013
- C₇H₉BrO₂**
3-Bromobicyclo[1.1.1]pentane-1-carboxylic acid; Me ester, *in* B-1-00229
- C₇H₉ClO₂**
3-Chlorobicyclo[1.1.1]pentane-1-carboxylic acid; Me ester, *in* C-1-00025
- C₇H₉NO**
5-Hydroxy-2,3-dimethylpyridine, H-1-00089
- C₇H₉NO₂**
1*H*-Pyrrole-1-propanoic acid, P-1-00181
1*H*-Pyrrole-2-propanoic acid, P-1-00182
1*H*-Pyrrole-3-propanoic acid, P-1-00183
- C₇H₉N₃O**
2-Amino-5-methylpyrazine; *N*-Ac, *in* A-1-00180
2-Amino-6-methylpyrazine; *N*-Ac, *in* A-1-00181
- C₇H₉N₃O₂**
6-Amino-3-pyridazinecarboxylic acid; Et ester, *in* A-1-00204
2-Amino-5-pyrimidinecarboxylic acid; Et ester, *in* A-1-00206
- C₇H₉N₅**
1,7-Dimethyladenine, D-1-00369
- C₇H₉O₅P**
(2-Hydroxy-6-methoxyphenyl)phosphonic acid, *in* D-1-00351
- C₇H₁₀**
3,3-Dimethyl-1-penten-4-yne, D-1-00453
3-Hepten-1-yne, H-1-00016
- C₇H₁₀F₄O₃**
2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; Et ether, Et ester, *in* T-1-00027
- C₇H₁₀NO₂P**
(Aminomethyl)phenylphosphonic acid, A-1-00177
- C₇H₁₀N₂**
5-Amino-2,3-dimethylpyridine, A-1-00128
6-Amino-2,3-dimethylpyridine, A-1-00129
2-(2-Aminoethyl)pyridine, A-1-00136
- C₇H₁₀N₂O**
3-Amino-2-hydroxy-4,6-dimethylpyridine, A-1-00143
3-Amino-6-hydroxy-2,4-dimethylpyridine, A-1-00144
Cystamidin A, *in* P-1-00183
- C₇H₁₀N₂O₂**
2,3-Dihydro-1*H*-imidazole; 1,3-Di-Ac, *in* D-1-00288
- C₇H₁₀N₂O₄**
 α -Amino-2,3-dihydro-5-methyl-3-oxo-4-isoxazolepropanoic acid, A-1-00119
- C₇H₁₀O**
2,3-Dihydro-2-methyl-2-vinylfuran, D-1-00311
4-Hepten-6-yn-1-ol, H-1-00017
- C₇H₁₀O₂**
2-Ethyl-1,3-cyclopentanedione, E-1-00013
2-Oxabicyclo[3.2.1]octan-3-one, *in* H-1-00075
- C₇H₁₀O₃**
6-Hydroxy-1,4-cycloheptanedione, H-1-00071
2-Oxocyclopentaneacetic acid, O-1-00040
5-Oxo-2-pentenoic acid; Et ester, *in* O-1-00051
- C₇H₁₀O₄**
1,1-Cyclopropanediol; Di-Ac, *in* C-1-00220
Gabosine H, *in* T-1-00227
4-Hydroxy-3-methyl-2-butenic acid; Ac, *in* H-1-00115
4,5,6-Trihydroxy-2-methyl-2-cyclohexen-1-one, T-1-00229

- C₇H₁₀O₅**
3-Oxoheptanedioic acid, O-1-00045
4,5,6-Trihydroxy-3-(hydroxymethyl)-2-cyclohexen-1-one, T-1-00227
- C₇H₁₀S**
2-Ethyl-3-methylthiophene, E-1-00018
3-Ethyl-2-methylthiophene, E-1-00019
2-Isopropylthiophene, I-1-00083
3-Isopropylthiophene, I-1-00084
- C₇H₁₁ClO₂**
Tetrahydro-2*H*-pyran-2-acetic acid; Chloride, *in* T-1-00051
- C₇H₁₁ClO₄**
6-Chloro-6-deoxyallose; Me glycoside, 2,3-anhydro, *in* C-1-00037
- C₇H₁₁I**
1-Iodo-1-heptyne, I-1-00035
- C₇H₁₁N**
1-Aminobicyclo[2.2.1]hept-2-ene, A-1-00063
5-Aminobicyclo[2.2.1]hept-2-ene, A-1-00064
- C₇H₁₁NO**
2-(Cyanomethyl)tetrahydropyran, *in* T-1-00051
- C₇H₁₁NO₂**
3-Acetyl-2-pyrrolidinone; *N*-Me, *in* A-1-00034
- C₇H₁₁NO₃**
1-Methyl-4-methoxycarbonyl-2-pyrrolidone, *in* O-1-00054
- C₇H₁₁NO₄**
5-Carboxy-3-pyrrolidineacetic acid, C-1-00007
- C₇H₁₁N₂P**
P-Benzylphosphonous diamide, B-1-00071
- C₇H₁₂**
4-Ethylcyclopentene, E-1-00014
2-Methyl-3-hexyne, M-1-00072
- C₇H₁₂Cl₂O₈S₂**
4-Chloro-4-deoxyxylose; Me glycoside, 2-mesyl, 3-chlorosulfate, *in* C-1-00061
- C₇H₁₂NO₄P**
Diethyl 3-isoxazolylphosphonate, *in* I-1-00094
- C₇H₁₂N₂**
4-Butyl-1*H*-imidazole, B-1-00424
2-(Dimethylaminomethyl)pyrrole, *in* A-1-00182
1,3,4,5-Tetramethyl-2-imidazolylidene, *in* D-1-00413
- C₇H₁₂N₂O**
1,4-Diazabicyclo[3.2.2]nonan-3-one, D-1-00112
N,N'-Di-2-propenylurea, D-1-00526
- C₇H₁₂N₂O₂**
2-Amino-3,4,5,6-tetrahydro-3-pyridinecarboxylic acid; Me ester, *in* A-1-00211
6-Amino-2,3,4,5-tetrahydro-2-pyridinecarboxylic acid; Me ester, *in* A-1-00212
6-Amino-2,3,4,5-tetrahydro-3-pyridinecarboxylic acid; Me ester, *in* A-1-00213
6-Amino-2,3,4,5-tetrahydro-4-pyridinecarboxylic acid; Me ester, *in* A-1-00214
- C₇H₁₂O**
Bicyclo[3.1.1]heptan-1-ol, B-1-00085
Bicyclo[3.1.1]heptan-2-ol, B-1-00086
Bicyclo[3.1.1]heptan-6-ol, B-1-00087
3-Methylenecyclohexanol, M-1-00064
4-Methylenecyclohexanol, M-1-00065
- C₇H₁₂O₂**
Dihydro-5-isopropyl-2(3*H*)-furanone, D-1-00296
3,4-Dihydro-4-methoxy-2-methyl-2*H*-pyran, *in* D-1-00307
2,4-Dimethylcyclobutanecarboxylic acid, D-1-00381
3-Ethyl-2,4-pentanedione, E-1-00020
2-Hydroxycycloheptanone, H-1-00072
4-Hydroxycycloheptanone, H-1-00073
2-Methyl-5-hexenoic acid, M-1-00071
3,3,4,4-Tetramethyl-2-oxetanone, T-1-00087
- C₇H₁₂O₃**
3-Hydroxycyclopentaneacetic acid, H-1-00075
- 6-Hydroxy-2-hexenoic acid; Me ester, *in* H-1-00097
Tetrahydro-2-furanacetic acid; Me ester, *in* T-1-00036
Tetrahydro-2*H*-pyran-2-acetic acid, T-1-00051
Tetrahydro-2*H*-pyran-4-acetic acid, T-1-00052
- C₇H₁₂O₄**
2,3,4-Trihydroxy-6-methylcyclohexanone, T-1-00228
- C₇H₁₂O₅**
Cyclophellitol, C-1-00218
- C₇H₁₃Br**
1-Bromo-1-methylcyclohexane, B-1-00322
1-Bromo-2-methylcyclohexane, B-1-00323
1-Bromo-3-methylcyclohexane, B-1-00324
1-Bromo-4-methylcyclohexane, B-1-00325
- C₇H₁₃BrO**
7-Bromoheptanal, B-1-00298
7-Bromo-2-heptanone, B-1-00299
- C₇H₁₃BrO₂**
4-Bromo-1-pentanol; Ac, *in* B-1-00369
4-Bromo-2-pentanol; Ac, *in* B-1-00370
5-Bromo-1-pentanol; Ac, *in* B-1-00371
- C₇H₁₃BrO₅**
3-Bromo-3-deoxyallose; Me glycoside, *in* B-1-00245
2-Bromo-2-deoxyaltrose; Me glycoside, *in* B-1-00247
6-Bromo-6-deoxyaltrose; Me glycoside, *in* B-1-00249
6-Bromo-6-deoxydextrose; Me glycoside, *in* B-1-00256
6-Bromo-6-deoxymannose; Me glycoside, *in* B-1-00262
4-Bromo-4-deoxytalose; Me glycoside, *in* B-1-00268
Methyl 1-bromo-1-deoxy- α -D-fructopyranoside, *in* B-1-00252
Methyl 1-bromo-1-deoxy- β -D-fructopyranoside, *in* B-1-00252
Methyl 2-bromo-2-deoxy- α -D-mannopyranoside, *in* B-1-00261
Methyl 2-bromo-2-deoxy- β -D-mannopyranoside, *in* B-1-00261
- C₇H₁₃CINO₆P**
Amino(dimethoxyphosphinyl)acetic acid; *N*-Chloroacetyl, Me ester, *in* A-1-00125
- C₇H₁₃ClO**
2,2-Dimethylpentanoic acid; Chloride, *in* D-1-00452
- C₇H₁₃ClO₅**
3-Chloro-3-deoxyallose; Me glycoside, *in* C-1-00036
3-Chloro-3-deoxyaltrose; Me glycoside, *in* C-1-00038
3-Chloro-3-deoxygulose; Me glycoside, *in* C-1-00045
2-Chloro-2-deoxyidose; Me glycoside, *in* C-1-00046
6-Chloro-6-deoxymannose; Me glycoside, *in* C-1-00053
Methyl 2-chloro-2-deoxy- α -D-allopyranoside, *in* C-1-00035
Methyl 1-chloro-1-deoxy- α -D-fructofuranoside, *in* C-1-00042
Methyl 6-chloro-6-deoxy- α -D-fructofuranoside, *in* C-1-00044
Methyl 1-chloro-1-deoxy- β -D-fructofuranoside, *in* C-1-00042
Methyl-6-chloro-6-deoxy- β -D-fructofuranoside, *in* C-1-00044
Methyl 2-chloro-2-deoxy- α -D-mannopyranoside, *in* C-1-00052
Methyl 2-chloro-2-deoxy- β -D-mannopyranoside, *in* C-1-00052
- C₇H₁₃ClO₆S**
4-Chloro-4-deoxyxylose; Me glycoside, 2-mesyl, *in* C-1-00061
- C₇H₁₃FO**
1-Fluoro-2-methoxycyclohexane, *in* F-1-00014
- C₇H₁₃FO₅**
3-Deoxy-3-fluoroallose; Me glycoside, *in* D-1-00015
Methyl 3-deoxy-3-fluoro- α -D-gulopyranoside, *in* D-1-00029
- C₇H₁₃IO₄**
3-Deoxy-3-iodoxylose; Me glycoside, 4-Me, *in* D-1-00072
- C₇H₁₃IO₅**
2-Deoxy-2-iodoaltrose; Me glycoside, *in* D-1-00046
6-Deoxy-6-iodoaltrose; Me glycoside, *in* D-1-00048
2-Deoxy-2-iodotalose; Me glycoside, *in* D-1-00069
Methyl 6-deoxy-6-iodo- α -D-allopyranoside, *in* D-1-00045
Methyl 6-deoxy-6-iodo- β -D-allopyranoside, *in* D-1-00045
Methyl 2-deoxy-2-iodo- α -D-mannopyranoside, *in* D-1-00060
Methyl 6-deoxy-6-iodo- α -D-mannopyranoside, *in* D-1-00061
Methyl 2-deoxy-2-iodo- β -D-mannopyranoside, *in* D-1-00060
Methyl 6-deoxy-6-iodo- β -D-mannopyranoside, *in* D-1-00061
- C₇H₁₃N**
2-Cyano-2-methylpentane, *in* D-1-00452
3-Ethylpentanoic acid; Nitrile, *in* E-1-00021
Octahydrocyclopenta[*c*]pyrrole, O-1-00013
4-Vinylpiperidine, V-1-00007
- C₇H₁₃NO**
3,3-Dimethyl-2-piperidinone, D-1-00467
3-Methyl-2-buten-1-amine; Ac, *in* M-1-00040
- C₇H₁₃NO₂**
1-Ethoxycarbonylpyrrolidine, *in* P-1-00186
Tetrahydro-2*H*-pyran-2-acetic acid; Amide, *in* T-1-00051
- C₇H₁₃NO₃**
6-(Hydroxymethyl)-2-piperidinecarboxylic acid, H-1-00125
- C₇H₁₃NO₄**
6-Nitrohexanoic acid; Me ester, *in* N-1-00018
- C₇H₁₃NO₅**
4-Amino-2,7-anhydro-4-deoxy-*allo*-heptulose, A-1-00051
4-Amino-2,7-anhydro-4-deoxy-*altro*-heptulose, A-1-00052
4-Amino-2,7-anhydro-4-deoxy-*gulo*-heptulose, A-1-00053
4-Amino-4-deoxyarabinose; *N*-Ac, *in* A-1-00100
5-Amino-5-deoxyarabinose; *N*-Ac, *in* A-1-00101
5-Amino-5-deoxyxylose; *N*-Ac, *in* A-1-00105
5-Amino-5-deoxyribose; *N*-Ac, *in* A-1-00109
5-Amino-5-deoxyxylose; *N*-Ac, *in* A-1-00111
- C₇H₁₃N₂O₅P**
Methyl diazo(diethoxyphosphinyl)acetate, *in* D-1-00117
- C₇H₁₃N₃**
1,4,7-Triazatricyclo[5.2.1.0^{4,10}]decane, T-1-00144
- C₇H₁₃N₃O₂**
2-Amino-1,4,5,6-tetrahydro-5-pyrimidinecarboxylic acid; Et ester, *in* A-1-00216
- C₇H₁₃O₂P**
2-Propenyl ethylethylphosphinate, *in* E-1-00031
- C₇H₁₃O₃P**
[Bicyclo[3.1.1]heptyl]-6-phosphonic acid, B-1-00089
- C₇H₁₄Br₂**
2-Amino-6-bromohexanoic acid; Me ester, *in* A-1-00069
- C₇H₁₄Br₂**
2,2-Dibromoheptane, D-1-00147

- C₇H₁₄F₃NO**
3-Amino-1,1,1-trifluoro-2-propanol; *N,N*-Di-Et, in A-1-00228
- C₇H₁₄NO₆P**
Amino(dimethoxyphosphinyl)acetic acid; *N*-Ac, Me ester, in A-1-00125
- C₇H₁₄O**
2,3-Dimethylcyclopentanol, D-1-00389
- C₇H₁₄O₂**
► Butyl propionate, in P-1-00131
tert-Butyl propionate, in P-1-00131
2,2-Dimethylpentanoic acid, D-1-00452
3-Ethylpentanoic acid, E-1-00021
1-Methylpropyl propanoate, in P-1-00131
► 2-Methylpropyl propanoate, in P-1-00131
- C₇H₁₄O₃**
1,1-Dimethoxy-3-pentanone, in O-1-00050
- C₇H₁₄P₂**
1,6-Diphosphabicyclo[4.3.0]nonane, D-1-00524
- C₇H₁₅F₆NP₂**
1,1-Dimethyl-2,2-bis(trifluoromethyl)diphosphine; Me₃N (1:1) adduct, in D-1-00376
- C₇H₁₅N**
Pyrrolidine; *N*-Propyl, in P-1-00184
- C₇H₁₅NO**
2,2-Dimethylpentanoic acid; Amide, in D-1-00452
3-Ethylpentanoic acid; Amide, in E-1-00021
Propanoic acid; Diethylamide, in P-1-00131
- C₇H₁₅NO₄**
4-Amino-4-deoxyxylose; *N,N*-Di-Me, in A-1-00110
4-Amino-4,6-dideoxyaltrose; Me glycoside, in A-1-00115
4-Amino-4,6-dideoxydextrose; Me glycoside, in A-1-00116
Methyl 4-amino-4,6-dideoxy- α -D-allopyranoside, in A-1-00114
Methyl 4-amino-4,6-dideoxy- β -D-allopyranoside, in A-1-00114
- C₇H₁₅NO₅**
3-Amino-3-deoxyaltrose; Me glycoside, in A-1-00099
3-Amino-3-deoxygalactose; Me glycoside, in A-1-00102
Methyl 3-amino-3-deoxy- α -D-mannopyranoside, in A-1-00106
Methyl 3-amino-3-deoxy- β -D-mannopyranoside, in A-1-00106
- C₇H₁₅NO₆S**
4-Amino-4-deoxyxylose; Me glycoside, 2-mesyl, in A-1-00104
- C₇H₁₅O₂P**
Isopropyl ethylvinylphosphinate, in E-1-00031
Propyl ethylvinylphosphinate, in E-1-00031
- C₇H₁₅O₄P**
Methyl(diethoxyphosphino)acetate, in D-1-00224
- C₇H₁₆NO₃P**
1-(Aminomethyl)cyclohexanephosphonic acid, A-1-00165
- C₇H₁₆NO₅P**
Diethyl (1-methyl-1-nitroethyl)phosphonate, in M-1-00092
Diethyl (1-methyl-2-nitroethyl)phosphonate, in M-1-00093
Diethyl (1-nitropropyl)phosphonate, in N-1-00032
Diethyl (3-nitropropyl)phosphonate, in N-1-00033
- C₇H₁₆N₂O₂**
2-(Aminomethyl)leucine, A-1-00173
- C₇H₁₆N₂O₃**
2,3-Diamino-2,3,6-trideoxygulose; Me glycoside, in D-1-00108
2,3-Diamino-2,3,6-trideoxydextrose; Me glycoside, in D-1-00109
2,4-Diamino-2,4,6-trideoxydextrose; Me glycoside, in D-1-00110
- C₇H₁₆N₂O₄**
2,4-Diamino-2,4-dideoxydextrose; Me glycoside, in D-1-00097
2,3-Diamino-2,3-dideoxymannose; Me glycoside, in D-1-00099
- C₇H₁₇O₂PS**
O-(1,2,2-Trimethylpropyl)methylphosphonothioate, T-1-00248
- C₇H₁₇O₆P**
(Triethoxymethyl)phosphonic acid, T-1-00180
- C₈BrF₁₇**
► Perflubron, B-1-00297
- C₈Br₂N₂S₂**
1,3-Dibromo-4,6-dicyanothieno[3,4-*c*]thiophene, D-1-00142
- C₈Cl₂F₆**
1,2-Dichloro-3,4,5,6,7,8-hexafluorocyclooctatetraene, D-1-00179
1,8-Dichloro-2,3,4,5,6,7-hexafluorocyclooctatetraene, D-1-00180
- C₈F₁₂**
1,1,1,6,6,6-Hexafluoro-2,5-bis(trifluoromethyl)-2,3,4-hexatriene, H-1-00029
- C₈F₁₂O**
Tetrakis(trifluoromethyl)furan, T-1-00076
- C₈F₁₂S**
Tetrakis(trifluoromethyl)thiophene, T-1-00077
- C₈F₁₆O₄**
Perfluoro-12-crown-4, P-1-00030
- C₈F₁₈O₅S₂**
1,1,2,2,3,3,3,4,4,4-Nonafluoro-1-butanedisulfonic acid; Anhydride, in N-1-00043
- C₈H₂O₄**
2,4,6-Octatrienedioic acid, O-1-00025
- C₈H₂O₆**
Bisquaric acid, B-1-00201
- C₈H₃BrF₆**
1-Bromo-3,5-bis(trifluoromethyl)benzene, B-1-00231
4-Bromo-1,3-bis(trifluoromethyl)benzene, B-1-00232
- C₈H₃BrN₂**
2-Bromo-1,3-dicyanobenzene, in B-1-00225
- C₈H₃Br₄N**
2,3,4,6-Tetrabromo-1*H*-indole, T-1-00003
- C₈H₃F₅**
Pentafluorovinylbenzene, P-1-00019
- C₈H₃F₅O₃**
(Pentafluorophenoxy)acetic acid, P-1-00014
- C₈H₃F₆I**
1-Iodo-3,5-bis(trifluoromethyl)benzene, I-1-00024
- C₈H₃F₈P**
[2,6-Bis(trifluoromethyl)phenyl]phosphonous difluoride, B-1-00212
- C₈H₃F₁₃O₂**
Tridecafluoroheptanoic acid; Me ester, in T-1-00178
- C₈H₄BrNO₂S**
3-Bromo-2-nitrobenzo[*b*]thiophene, B-1-00352
- C₈H₄Br₂N₂S**
3,4-Bis(bromomethyl)-2,5-dicyanothiophene, in B-1-00134
- C₈H₄Br₂S₂**
5,5'-Dibromo-2,2'-bithiophene, D-1-00139
- C₈H₄Br₃N**
2,4,6-Tribromo-1*H*-indole, T-1-00150
- C₈H₄CINO₃S**
2,3-Dihydro-2,3-dioxo-1*H*-indole-5-sulfonic acid; Chloride, in D-1-00274
- C₈H₄Cl₂S₂**
5,5'-Dichloro-2,2'-bithiophene, D-1-00174
- C₈H₄Cl₄S**
1,1,3,3-Tetrachloro-1,3-dihydrobenzo[*c*]thiophene, T-1-00009
- C₈H₄Cl₆**
► 1,4-Bis(trichloromethyl)benzene, B-1-00204
- C₈H₄FNO₂**
5-Fluoro-1*H*-indole-2,3-dione, F-1-00025
- C₈H₄F₃IN₂**
3-(3-Iodophenyl)-3-(trifluoromethyl)diazirene, I-1-00059
- C₈H₄F₄O**
2,2,2,3'-Tetrafluoroacetophenone, T-1-00021
2,2,2,4'-Tetrafluoroacetophenone, T-1-00022
- C₈H₄N₂S₂**
4,6-Dicyano-1*H*,3*H*-thieno[3,4-*c*]thiophene, in T-1-00129
- C₈H₄N₄O₈**
► 1,3,5,7-Tetranitrocubane, T-1-00092
- C₈H₄N₆S₂**
[1,4]Dithiaino[2,3-*b*:5,6-*b'*]dipyrazine, D-1-00536
- C₈H₄N₆O₄**
2,4,7,9-(1*H*,3*H*,6*H*,8*H*)-Pyrimido[4,5-*g*]pteridine-2,4,7,9-(3*H*,8*H*)-tetrone, P-1-00179
- C₈H₅BrOS**
3-Bromobenzo[*c*]thiophen-1(3*H*)-one, B-1-00228
- C₈H₅BrO₄**
5-Bromo-1,3-benzenedicarboxylic acid, B-1-00225
- C₈H₅BrS₂**
5-Bromo-2,2'-bithiophene, B-1-00233
- C₈H₅ClF₂O**
Difluorophenylacetic acid; Chloride, in D-1-00248
- C₈H₅ClO₃**
4-Chloro-3-hydroxy-3*H*-isobenzofuran-1-one, C-1-00107
- C₈H₅ClS₂**
5-Chloro-2,2'-bithiophene, C-1-00027
- C₈H₅FN₂O₂**
5-Fluoro-1*H*-indole-2,3-dione; 3-Oxime, in F-1-00025
- C₈H₅F₂N**
 α,α -Difluorobenzeneacetonitrile, in D-1-00248
2,4-Difluorophenylacetic acid; Nitrile, in D-1-00245
2,6-Difluorophenylacetic acid; Nitrile, in D-1-00246
3,4-Difluorophenylacetic acid; Nitrile, in D-1-00247
- C₈H₅F₅O**
2-(Pentafluorophenyl)ethanol, P-1-00016
- C₈H₅F₆N**
2,5-Bis(trifluoromethyl)aniline, B-1-00207
3,5-Bis(trifluoromethyl)aniline, B-1-00208
- C₈H₅NO₄**
4-Nitro-1,2-benzenedicarboxaldehyde, N-1-00011
- C₈H₅NO₅S**
2,3-Dihydro-2,3-dioxo-1*H*-indole-4-sulfonic acid, D-1-00273
2,3-Dihydro-2,3-dioxo-1*H*-indole-5-sulfonic acid, D-1-00274
2,3-Dihydro-2,3-dioxo-1*H*-indole-6-sulfonic acid, D-1-00275
2,3-Dihydro-2,3-dioxo-1*H*-indole-7-sulfonic acid, D-1-00276
- C₈H₅N₃O₆**
► 1,3,5-Trinitrocubane, T-1-00253

- C₈H₆BrFO**
2-Bromo-4'-fluoroacetophenone, B-1-00294
2'-Bromo-4'-fluoroacetophenone, B-1-00295
- C₈H₆BrF₃**
1-(Bromomethyl)-2-(trifluoromethyl)benzene, B-1-00347
1-(Bromomethyl)-3-(trifluoromethyl)benzene, B-1-00348
1-(Bromomethyl)-4-(trifluoromethyl)benzene, B-1-00349
- C₈H₆Br₂O₂**
3,5-Dibromo-4-hydroxyacetophenone, D-1-00148
- C₈H₆Br₂O₂S**
3,4-Bis(bromomethyl)-2,5-thiophenedicarboxylic acid, B-1-00134
- C₈H₆ClFO**
2'-Chloro-4'-fluoroacetophenone, C-1-00095
3'-Chloro-4'-fluoroacetophenone, C-1-00096
- C₈H₆ClF₃**
1-(Chloromethyl)-4-(trifluoromethyl)benzene, C-1-00127
- C₈H₆ClN**
3-Chloroindolizine, C-1-00112
- C₈H₆ClNO**
6-Chloro-1,3-dihydro-2*H*-indol-2-one, C-1-00079
- C₈H₆Cl₂O₂**
2,6-Dichloro-3-methylbenzoic acid, D-1-00183
- C₈H₆Cl₂FNS**
1-Fluoro-4-(isothiocyanatomethyl)benzene, F-1-00028
5-Fluoro-2-methylbenzothiazole, F-1-00029
- C₈H₆F₂O₂**
2,4-Difluorophenylacetic acid, D-1-00245
2,6-Difluorophenylacetic acid, D-1-00246
3,4-Difluorophenylacetic acid, D-1-00247
Difluorophenylacetic acid, D-1-00248
- C₈H₆F₂O₂S**
2,4-Difluoro-3-mercaptobenzoic acid; *S*-Me, in D-1-00239
3,4-Difluoro-2-mercaptobenzoic acid; *S*-Me, in D-1-00240
- C₈H₆N₂O**
2(1*H*)-Cycloheptimidazolone, C-1-00193
- C₈H₆N₂OS**
► 5-Phenyl-1,3,4-oxadiazole-2-thiol, P-1-00084
- C₈H₆N₂O₄**
1,3-Dinitro-5-vinylbenzene, D-1-00487
- C₈H₆N₂O₄S**
2,3-Dihydro-2,3-dioxo-1*H*-indole-5-sulfonic acid; Amide, in D-1-00274
- C₈H₆N₂O₅**
2-Nitro-4-(2-nitroethyl)phenol, N-1-00027
- C₈H₆N₂S₂**
2,4-Quinazolidithiol, Q-1-00001
- C₈H₆OS₂**
2,2'-Bithiophen-5-ol, B-1-00220
- C₈H₆O₂**
[Bi-1-cyclobuten-1-yl]-3,3'-dione, B-1-00081
- C₈H₆O₂S₄**
Tetrathiafulvalenecarboxylic acid; Me ester, in T-1-00106
- C₈H₆O₃**
4,7-Dihydroxybenzo[*c*]furan, D-1-00337
- C₈H₆O₃S**
Thieno[3,4-*b*]furan-3-carboxylic acid; Me ester, in T-1-00114
- C₈H₆O₄S₂**
1*H*,3*H*-Thieno[3,4-*c*]thiophene-4,6-dicarboxylic acid, T-1-00129
- C₈H₆S₃**
[2,2'-Bithiophene]-5-thiol, B-1-00219
- C₈H₆S₆**
2-(1,3-Dithiol-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-*b*][1,4]dithiin, D-1-00540
- C₈H₆Se**
(Phenylseleno)acetylene, P-1-00097
- C₈H₇BrFNO**
2'-Bromo-4'-fluoroacetophenone; Oxime, in B-1-00295
- C₈H₇BrN₂O₂**
5-Bromo-1,3-benzenedicarboxylic acid; Diamide, in B-1-00225
- C₈H₇BrO₂**
5-(Bromomethyl)-1,3-benzodioxole, B-1-00313
- C₈H₇BrO₂S**
(2-Bromovinyl)phenyl sulfone, in B-1-00383
- C₈H₇BrS**
1-Bromo-2-(phenylthio)ethene, B-1-00383
- C₈H₇ClFNO**
2'-Chloro-4'-fluoroacetophenone; Oxime, in C-1-00095
3'-Chloro-4'-fluoroacetophenone; Oxime, in C-1-00096
- C₈H₇Cl₂OP**
(2-Phenoxyethyl)phosphonous acid; Dichloride, in P-1-00039
- C₈H₇FO₂**
5'-Fluoro-2'-hydroxyacetophenone, F-1-00019
3-Fluoro-2-methoxybenzaldehyde, in F-1-00020
5-Fluoro-2-methoxybenzaldehyde, in F-1-00022
- C₈H₇F₂NO**
Difluorophenylacetic acid; Amide, in D-1-00248
- C₈H₇F₃**
1-Methyl-4-(trifluoromethyl)benzene, M-1-00135
- C₈H₇F₃O**
2-(Trifluoromethyl)benzyl alcohol, T-1-00196
3-(Trifluoromethyl)benzyl alcohol, T-1-00197
4-(Trifluoromethyl)benzyl alcohol, T-1-00198
- C₈H₇N**
2*H*-2-Pyridine, P-1-00180
- C₈H₇NO**
2*H*-Pyrano[3,2-*b*]pyridine, P-1-00151
2*H*-Pyrano[2,3-*c*]pyridine, P-1-00152
- C₈H₇NO₃**
1,3-Dimethyl-4*H*-furo[3,4-*c*]pyrrole-4,6(5*H*)-dione, D-1-00403
- C₈H₇NO₄**
5-Nitro-4*H*-1,3-benzodioxin, N-1-00012
7-Nitro-4*H*-1,3-benzodioxin, N-1-00013
8-Nitro-4*H*-1,3-benzodioxin, N-1-00014
- C₈H₇NS**
1-Isothiocyanato-2-methylbenzene, I-1-00091
- C₈H₇N₃O**
3-Amino-5-phenyl-1,2,4-oxadiazole, A-1-00196
5-Amino-3-phenyl-1,2,4-oxadiazole, A-1-00197
- C₈H₇N₃OS**
4-Amino-2,1,3-benzothiadiazole; 4*N*-Ac, in A-1-00059
- C₈H₇N₃O₂**
1*H*-Benzotriazole-5(6)-carboxylic acid; Me ester, in B-1-00037
- C₈H₇N₃S**
2-Amino-5-phenyl-1,3,4-thiadiazole, A-1-00200
- C₈H₈**
4-Octene-2,6-diyne, O-1-00026
- C₈H₈BrCl₂O₄P**
Bromoxon, B-1-00405
- C₈H₈BrNO₂**
3-Bromo-4-pyridineacetic acid; Me ester, in B-1-00386
- C₈H₈Br₂N₂**
1,4-Dibromo-1,4-dicyanobenzene, in D-1-00141
- C₈H₈Cl₂O₂S**
Benzyl dichloromethyl sulfone, in B-1-00064
- C₈H₈Cl₂S**
Benzyl dichloromethyl sulfide, B-1-00064
- C₈H₈F₃N**
2-(Trifluoromethyl)benzylamine, T-1-00199
3-(Trifluoromethyl)benzylamine, T-1-00200
4-(Trifluoromethyl)benzylamine, T-1-00201
- C₈H₈N₂O**
3,4-Dihydro-2(1*H*)-quinoxalinone, D-1-00329
5-Hydroxy-2-methylpyrazolo[1,5-*a*]pyridine, H-1-00130
- C₈H₈N₂O₂**
N-Benzoyl-*N'*-formylhydrazine, B-1-00051
- C₈H₈N₂O₂S₂**
1*H*,3*H*-Thieno[3,4-*c*]thiophene-4,6-dicarboxylic acid; Diamide, in T-1-00129
- C₈H₈N₂O₃**
6-Amino-2-pyridinecarboxylic acid; *N*-Ac, in A-1-00205
- C₈H₈N₄**
2,3-Diaminoquinoxaline, D-1-00107
- C₈H₈OSe**
2-Methylselenobenzoic acid, M-1-00130
3-Methylselenobenzoic acid, M-1-00131
4-Methylselenobenzoic acid, M-1-00132
- C₈H₈O₃**
2-Hydroxy-6-(hydroxymethyl)benzaldehyde, H-1-00098
- C₈H₈O₄**
5-Hydroxy-2-methyl-4*H*-pyran-4-one; Ac, in H-1-00126
- C₈H₈S**
1-Phenylethanethione, P-1-00068
- C₈H₈Se**
(Phenylseleno)ethylene, P-1-00099
- C₈H₈ClN₂O**
5-Amino-2-chloro-4-methylpyridine; Ac, in A-1-00082
- C₈H₈ClN₂O₂S**
► 4-Chloro-2-mercapto-5-pyrimidinecarboxylic acid; *S*-Me, Et ester, in C-1-00115
- C₈H₈ClO₃**
5-Chloro-2-hydroxy-1,3-benzenedimethanol, C-1-00104
- C₈H₈ClIS**
1-Chloro-2-[(methylthio)methyl]benzene, in C-1-00012
1-Chloro-3-[(methylthio)methyl]benzene, in C-1-00013
1-Chloro-4-[(methylthio)methyl]benzene, in C-1-00014
- C₈H₈Cl₂OP**
(4-Ethylphenyl)phosphonic acid; Dichloride, in E-1-00023
- C₈H₈FO**
1-(2-Fluorophenyl)ethanol, F-1-00050
1-(3-Fluorophenyl)ethanol, F-1-00051
- C₈H₈IO**
2-(2-Iodophenyl)ethanol, I-1-00055
2-(3-Iodophenyl)ethanol, I-1-00056
2-(4-Iodophenyl)ethanol, I-1-00057
- C₈H₈N**
2-(2-Propenyl)pyridine, P-1-00137
3-(2-Propenyl)pyridine, P-1-00138
4-(2-Propenyl)pyridine, P-1-00139
- C₈H₈NO**
8,8a-Dihydro-5(3*H*)-indolizinone, D-1-00295
- C₈H₈NO₂**
5-Amino-4*H*-1,3-benzodioxin, A-1-00055
3,4-Dimethyl-1*H*-pyrrole-2,5-dicarboxaldehyde, D-1-00468
4-Hydroxy-2,6-dimethyl-3-pyridinecarboxaldehyde, H-1-00090

- C₈H₉NO₂S**
3,4-Dihydro-1*H*-2,3-benzothiazine; *S,S*-Dioxide, in D-1-00261
4-Methylphenyl nitromethyl sulfide, M-1-00106
- C₈H₉NO₃**
2'-Amino-4',5'-dihydroxyacetophenone, A-1-00121
2-(Hydroxymethyl)-4-pyridinecarboxylic acid; Me ester, in H-1-00132
6-(Hydroxymethyl)-2-pyridinecarboxylic acid; Me ester, in H-1-00139
- C₈H₉NO₄S**
4-Methylphenyl nitromethyl sulfone, in M-1-00106
- C₈H₉NS**
3,4-Dihydro-1*H*-2,3-benzothiazine, D-1-00261
- C₈H₉NSe**
2-Methylselenobenzoic acid; Amide, in M-1-00130
3-Methylselenobenzoic acid; Amide, in M-1-00131
4-Methylselenobenzoic acid; Amide, in M-1-00132
- C₈H₉N₂O₂P**
(Diazomethyl)phenylphosphinic acid; Me ester, in D-1-00122
- C₈H₉N₃**
2-(Aminomethyl)benzimidazole, A-1-00162
- C₈H₉N₃O₂**
6-Amino-2-pyridinecarboxylic acid; *N*-Ac, amide, in A-1-00205
1*H*-Imidazo[1,2-*b*]pyrazole-6-carboxylic acid; Et ester, in I-1-00008
- C₈H₉N₃O₆**
4-Nitro-1*H*-pyrazole-3,5-dicarboxylic acid; 1-Me, di-Me ester, in N-1-00034
- C₈H₉N₅O₃**
3,9-Dihydro-1,3,9-trimethyl-8-nitroso-1*H*-purine-2,6-dione, D-1-00334
- C₈H₉OP**
Phenylvinylphosphinous acid, P-1-00114
- C₈H₉O₃P**
Ethyl 5-hydroxy-2-phosphorincarboxylate, in H-1-00172
(2-Phenoxyethyl)phosphonous acid, P-1-00039
- C₈H₉O₄P**
[(4-Formylphenyl)methyl]phosphonic acid, F-1-00066
(Phenylacetyl)phosphonic acid, P-1-00041
- C₈H₉O₅P**
(4-Methoxybenzoyl)phosphonic acid, M-1-00013
- C₈H₉O₆**
3,4-Dihydroxy-1*H*-pyrrole-2,5-dicarboxylic acid; Di-Me ester, in D-1-00353
3,4-Dimethoxy-1*H*-pyrrole-2,5-dicarboxylic acid, in D-1-00353
- C₈H₁₀Br₂O₄**
1,4-Dibromo-1,4-cyclohexanedicarboxylic acid, D-1-00141
- C₈H₁₀CIN**
2-(2-Chlorophenyl)ethylamine, C-1-00149
2-(3-Chlorophenyl)ethylamine, C-1-00150
2-(4-Chlorophenyl)ethylamine, C-1-00151
- C₈H₁₀CINO₂**
3-Chloro-4-(diethylamino)-3-cyclobutene-1,2-dione, in A-1-00074
- C₈H₁₀Cl₂NP**
[2-(Dimethylamino)phenyl]phosphonous acid; Dichloride, in D-1-00370
- C₈H₁₀F₂NP**
[2-(Dimethylamino)phenyl]phosphonous acid; Difluoride, in D-1-00370
- C₈H₁₀NO₂P**
5-Hydroxy-*N,N*-dimethyl-2-phosphorincarboxamide, in H-1-00172
- C₈H₁₀NO₃PS₂**
S,S-Dimethyl (4-nitrophenyl) phosphonodithioate, in N-1-00029
- C₈H₁₀N₂**
3-(Dicyanomethylene)pentene, in E-1-00025
- C₈H₁₀N₂O₂**
6-Amino-2-pyridinecarboxylic acid; Et ester, in A-1-00205
- C₈H₁₀O**
Bicyclo[4.1.1]oct-4-en-3-one, B-1-00097
2,3,4,7-Tetrahydrobenzo[*c*]furan, T-1-00030
- C₈H₁₀O₂**
2,5-Dimethyl-1,3-cyclohexanedione, D-1-00383
3-Methyl-2-penten-4-yn-1-ol; Ac, in M-1-00100
- C₈H₁₀O₃**
3-Acetylbicyclo[1.1.1]pentane-1-carboxylic acid, A-1-00012
3-Furanacetic acid; Et ester, in F-1-00072
- C₈H₁₀O₄**
Bicyclo[3.1.0]hexane-6,6-dicarboxylic acid, B-1-00090
- C₈H₁₀S**
2-Methylbenzenemethanethiol, M-1-00024
3-Methylbenzenemethanethiol, M-1-00025
4-Methylbenzenemethanethiol, M-1-00026
7-(Methylthio)bicyclo[2.2.1]hepta-2,5-diene, in B-1-00082
- C₈H₁₀S₂**
Ethyl phenyl disulfide, E-1-00022
- C₈H₁₁ClO**
3-Cyclohexene-1-acetic acid; Chloride, in C-1-00197
- C₈H₁₁ClO₂**
2-Chloro-2-cyclohexen-1-ol; Ac, in C-1-00030
- C₈H₁₁N**
9-Azabicyclo[3.3.1]nona-2,6-diene, A-1-00240
3-(Cyanomethyl)cyclohexene, in C-1-00196
4-(Cyanomethyl)cyclohexene, in C-1-00197
- C₈H₁₁NO**
1-(2-Aminophenyl)ethanol, A-1-00192
1-(3-Aminophenyl)ethanol, A-1-00193
1-(4-Aminophenyl)ethanol, A-1-00194
- C₈H₁₁NO₂**
2-Cyano-3-ethyl-2-pentenoic acid, in E-1-00025
1*H*-Pyrrole-1-propanoic acid; Me ester, in P-1-00181
1*H*-Pyrrole-2-propanoic acid; Me ester, in P-1-00182
- C₈H₁₁NSe**
2-(Phenylseleno)ethylamine, P-1-00098
- C₈H₁₁O₃P**
(4-Ethylphenyl)phosphonic acid, E-1-00023
- C₈H₁₁O₆P**
(2-Hydroxy-4,6-dimethoxyphenyl)phosphonic acid, in T-1-00231
- C₈H₁₂Cl₂**
1,8-Dichloro-4-octyne, D-1-00191
- C₈H₁₂Cl₂O₆S**
5-Chloro-5-deoxyxylose; 1,2-*O*-Isopropylidene, 3-chlorosulfate, in C-1-00062
- C₈H₁₂NO₂P**
[2-(Dimethylamino)phenyl]phosphonous acid, D-1-00370
- C₈H₁₂NO₅P**
[1-Amino-2-(3,4-dihydroxyphenyl)ethyl] phosphonic acid, A-1-00124
- C₈H₁₂N₂**
(2,3-Dimethylphenyl)hydrazine, D-1-00457
(2,4-Dimethylphenyl)hydrazine, D-1-00458
(2,5-Dimethylphenyl)hydrazine, D-1-00459
(2,6-Dimethylphenyl)hydrazine, D-1-00460
(3,4-Dimethylphenyl)hydrazine, D-1-00461
(3,5-Dimethylphenyl)hydrazine, D-1-00462
- C₈H₁₂N₂O**
6,7,8,9-Tetrahydro-1*H*,5*H*-pyrazolo[1,2-*a*][1,2] diazepin-1-one, T-1-00053
- C₈H₁₂N₄O₅**
3-Amino-1,2,4-triazin-5(2*H*)-one; 2- β -D-Arabinofuranosyl, in A-1-00220
6-Azaisocytidine, in A-1-00220
- C₈H₁₂O**
2-*tert*-Butylfuran, B-1-00422
3-*tert*-Butylfuran, B-1-00423
1,3,4,5,6,7-Hexahydrobenzo[*c*]furan, H-1-00035
1-Methyl-2-cyclohexene-1-carboxaldehyde, M-1-00046
1-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00047
2-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00048
4-Methyl-2-cyclohexene-1-carboxaldehyde, M-1-00049
4-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00050
6-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00051
- C₈H₁₂O₂**
2-Cyclohexene-1-acetic acid, C-1-00196
3-Cyclohexene-1-acetic acid, C-1-00197
2,5-Dimethyl-1,4-cyclohexanedione, D-1-00384
2,6-Dimethyl-1,4-cyclohexanedione, D-1-00385
1,7-Dioxadispiro[2.2.2]decane, D-1-00489
- C₈H₁₂O₂S**
4*H*,6*H*-3*a*,6*a*-(Methanothiomethano)-1*H*,3*H*-furo[3,4-*c*]furan, M-1-00012
- C₈H₁₂O₃**
3,4-Dihydro-2-methyl-2*H*-pyran-4-ol; Ac, in D-1-00307
5-Hydroxy-1-cyclopentene-1-carboxylic acid; Et ester, in H-1-00076
2-Oxocyclopentaneacetic acid; Me ester, in O-1-00040
3,8-Oxonanedione, O-1-00047
- C₈H₁₂O₄**
1,3-Cyclobutanediacyetic acid, C-1-00188
(1-Ethylpropylidene)propanedioic acid, E-1-00025
- C₈H₁₂O₆**
1,1,1-Ethanetricarboxylic acid; Tri-Me ester, in E-1-00009
- C₈H₁₂S**
2-Butylthiophene, B-1-00435
3-Butylthiophene, B-1-00436
- C₈H₁₃BrO₂**
3-Bromocyclohexanol; Ac, in B-1-00239
- C₈H₁₃BrO₄**
5-Bromo-5-deoxyxylose; 2,3-*O*-Isopropylidene, in B-1-00260
5-Bromo-5-deoxyxylose; 1,2-*O*-Isopropylidene, in B-1-00273
- C₈H₁₃BrO₅**
3-Bromo-3-deoxyarabinose; Me glycoside, 5-Ac, in B-1-00251
2-Bromo-2-deoxyxylose; Me glycoside, 5-Ac, in B-1-00270
- C₈H₁₃Cl**
1-Chlorocyclooctene, C-1-00031
3-Chlorocyclooctene, C-1-00032
4-Chlorocyclooctene, C-1-00033
5-Chlorocyclooctene, C-1-00034
- C₈H₁₃ClO₄**
5-Chloro-5-deoxyxylose; 1,2-*O*-Isopropylidene, in C-1-00062
- C₈H₁₃IO₄**
5-Deoxy-5-iodoarabinose; 1,2-*O*-Isopropylidene, in D-1-00051
5-Deoxy-5-iodoribose; 1,2-*O*-Isopropylidene, in D-1-00060
5-Deoxy-5-iodoxylose; 1,2-*O*-Isopropylidene, in D-1-00074

- C₈H₁₃IO₅**
3-Deoxy-3-iodoxylose; Me glycoside, 4-Ac, *in* D-1-00072
- C₈H₁₃N**
2-Cyano-1,1-dimethylcyclopentane, *in* D-1-00387
- C₈H₁₃NO₄**
2-Amino-6-oxohexanoic acid; *N*-Ac, *in* A-1-00186
- C₈H₁₃NO₅**
5-Amino-5-deoxyidose; 1,6-Anhydro, *N*-Ac, *in* A-1-00103
- C₈H₁₄**
1,1-Dimethyl-3-vinylcyclobutane, D-1-00473
3-Methyl-1-heptyne, M-1-00069
1,3-Octadiene, O-1-00006
- C₈H₁₄ClO₃P**
Dipropyl chloroethynylphosphonate, *in* C-1-00094
- C₈H₁₄NO₄P**
Diethyl (3-isoxazolymethyl)phosphonate, *in* I-1-00092
Diethyl (5-isoxazolymethyl)phosphonate, *in* I-1-00093
- C₈H₁₄N₂**
2,3-Dihydro-4,5-dimethyl-2-methylene-1*H*-imidazole; 1,3-Di-Me, *in* D-1-00270
- C₈H₁₄N₂O₂**
3-Aminohexahydro-2*H*-azepin-2-one; *N*-Ac, *in* A-1-00142
6-Amino-2,3,4,5-tetrahydro-3-pyridinecarboxylic acid; Et ester, *in* A-1-00213
3,6-Diethyl-2,5-piperazinedione, D-1-00228
- C₈H₁₄O**
Bicyclo[2.2.1]heptane-1-methanol, B-1-00084
1,1-Dicyclopropylethanol, D-1-00211
1-Methyl-3-cyclohexene-1-methanol, M-1-00052
3-Methyl-2-cyclohexene-1-methanol, M-1-00053
4-Methyl-3-cyclohexene-1-methanol, M-1-00054
6-Methyl-3-cyclohexene-1-methanol, M-1-00055
- C₈H₁₄O₂**
1-Cyclohexyl-2-hydroxyethanone, C-1-00202
2,2-Dimethylcyclopentanecarboxylic acid, D-1-00387
3,3-Dimethylcyclopentanecarboxylic acid, D-1-00388
3,3-Dimethyl-2,5-hexanedione, D-1-00409
2-Methylcyclobutanecarboxylic acid; Et ester, *in* M-1-00044
- C₈H₁₄O₂S₂**
▶ 2,2'-Dithiobis[2-methylpropanal], D-1-00537
- C₈H₁₄O₃**
3-Hydroxycyclopentaneacetic acid; Me ester, *in* H-1-00075
Tetrahydro-2-furanacetic acid; Et ester, *in* T-1-00036
- C₈H₁₅Br**
4-Bromo-4-octene, B-1-00361
- C₈H₁₅BrO**
8-Bromooctanal, B-1-00360
1-Bromo-1-octen-3-ol, B-1-00362
- C₈H₁₅BrO₂**
2-(Bromomethyl)-4,4,5,5-tetramethyl-1,3-dioxolane, B-1-00346
- C₈H₁₅ClO**
1-Chloro-1-octen-3-ol, C-1-00135
- C₈H₁₅FO₂**
4-Fluorooctanoic acid, F-1-00048
- C₈H₁₅I**
6-Iodo-5,5-dimethyl-1-hexene, I-1-00033
4-Iodo-4-octene, I-1-00049
8-Iodo-1-octene, I-1-00050
- C₈H₁₅IO**
1-Iodo-1-octen-3-ol, I-1-00051
2-Iodo-2-octen-1-ol, I-1-00052
3-Iodo-2-octen-1-ol, I-1-00053
- C₈H₁₅IO₂**
6-Iodo-3-hexanol; Ac, *in* I-1-00036
- C₈H₁₅N**
Octahydrocyclopenta[c]pyrrole; *N*-Me, *in* O-1-00013
- C₈H₁₅NO**
4-Aminocyclohexanone; *N,N*-Di-Me, *in* A-1-00092
3-Dimethylaminocyclohexanone, *in* A-1-00091
2-Isopropyl-4-pentenamide, I-1-00079
- C₈H₁₅NO₃**
4-Amino-1,2,3-cyclopentanetriol; 2,3-*O*-Isopropylidene, *in* A-1-00096
- C₈H₁₅NO₄**
5-Amino-5-deoxyxylose; 1,2-*O*-Isopropylidene, *in* A-1-00111
- C₈H₁₅NO₅**
4-Amino-4-deoxyarabinose; Me glycoside, *N*-Ac, *in* A-1-00100
2-Amino-2,6-dideoxyallose; *N*-Ac, *in* A-1-00113
- C₈H₁₅NO₆**
3-Amino-3-deoxygalactose; *N*-Ac, *in* A-1-00102
- C₈H₁₅N₂O₅P**
Triethyl diazophosphonoacetate, *in* D-1-00117
- C₈H₁₅N₃O₂**
2-Amino-1,4,5,6-tetrahydro-5-pyrimidinecarboxylic acid; Isopropyl ester, *in* A-1-00216
- C₈H₁₅OP**
1-Phosphabicyclo[4.3.0]nonane; Oxide, *in* P-1-00116
- C₈H₁₅O₃P**
Diethyl (1-acetoxyethyl)phosphonate, *in* A-1-00006
- C₈H₁₅P**
1-Phosphabicyclo[4.3.0]nonane, P-1-00116
- C₈H₁₅PS**
1-Phosphabicyclo[4.3.0]nonane; Sulfide, *in* P-1-00116
- C₈H₁₅PSe**
1-Phosphabicyclo[4.3.0]nonane; Selenide, *in* P-1-00116
- C₈H₁₆Br₂**
4,4-Dibromooctane, D-1-00155
- C₈H₁₆Cl₂**
4,4-Dichlorooctane, D-1-00190
- C₈H₁₆FO₄PS**
1-Phosphabicyclo[4.3.0]nonane; Hydrogen fluoro-sulfate, *in* P-1-00116
- C₈H₁₆N₂O₂S₂**
2,2'-Dithiobis[2-methylpropanal]; Dioxime, *in* D-1-00537
- C₈H₁₆O**
2,4-Dimethylhexanal, D-1-00408
6-Methyl-1-hepten-4-ol, M-1-00068
- C₈H₁₆OS**
Octanethioic acid, O-1-00023
- C₈H₁₆O₂**
1,3-Cyclohexanedimethanol, C-1-00195
2,4-Dimethylhexanoic acid, D-1-00410
2,2-Dimethylpentanoic acid; Me ester, *in* D-1-00452
3-Ethylpentanoic acid; Me ester, *in* E-1-00021
3-Hydroxy-2,2,4-trimethylpentanal, H-1-00179
Pentyl propanoate, *in* P-1-00131
- C₈H₁₆O₄**
1,2,3,4-Tetramethyl-1,2,3,4-cyclobutanetetrol, T-1-00079
- C₈H₁₆O₄S**
4,7-Diethyl-1,3,2-dioxathiepane 2,2-dioxide, *in* O-1-00022
- C₈H₁₆O₆P₂**
P,P-Dimethyl, *P',P'*-diethyl 1,2-ethylenediylbisphosphonate, *in* E-1-00032
- C₈H₁₆P₂**
1,6-Diphosphabicyclo[4.4.0]decane, D-1-00523
- C₈H₁₇N**
▶ Pyrrolidine; *N*-Butyl, *in* P-1-00184
- C₈H₁₇NO**
2-Aminobutanal; *N,N*-Di-Et, *in* A-1-00072
- C₈H₁₇NO₂**
3-Amino-5,5-dimethylhexanoic acid, A-1-00127
3-Hydroxy-2,2,4-trimethylpentanal; Oxime, *in* H-1-00179
- C₈H₁₇NO₃**
4-Amino-3-hydroxy-5-methylheptanoic acid, A-1-00146
- C₈H₁₇NO₄**
4-Amino-4,6-dideoxyallose; *N,N*-Di-Me, *in* A-1-00114
4-Amino-4,6-dideoxyaltrose; *N,N*-Di-Me, *in* A-1-00115
- C₈H₁₇O₃P**
Diethyl (2-ethoxyethyl)phosphonite, *in* E-1-00011
- C₈H₁₇O₄P**
Ethyl(diethoxyphosphino)acetate, *in* D-1-00224
- C₈H₁₈F₇O₃PSSi₂**
[2-Bis(trimethylsilyloxyphosphinyl)-1,2-difluoroethyl]pentafluorosulfur, *in* D-1-00244
- C₈H₁₈NOP**
P-Ethenyl-*N,N,N'*-*P*-triethylphosphinic amide, *in* E-1-00031
- C₈H₁₈NO₃P**
Diethyl [(1-aminomethyl)-1-cyclopropyl]phosphonate, *in* A-1-00167
- C₈H₁₈N₂O₃**
2,3-Diamino-2,3,6-trideoxyidose; Me glycoside, 3*N*-Me, *in* D-1-00109
- C₈H₁₈O**
2,4-Dimethyl-1-hexanol, D-1-00411
- C₈H₁₈O₂**
3,6-Octanediol, O-1-00022
- C₈H₁₈Se₂**
Dibutyl diselenide, D-1-00170
- C₈H₁₉N**
Di-*tert*-butylamine, D-1-00166
3-Octylamine, O-1-00027
- C₈H₁₉N₂P**
N,N,N',N'-Tetramethyl-*P*-(2-methyl-1-propenyl)phosphonous diamide, *in* M-1-00123
- C₈H₂₂N₂P₂**
P-[2-(Dimethylphosphino)ethyl]-*N,N,N',N'*-tetramethylphosphonous diamide, D-1-00465
- C₈N₂**
1,6-Dicyano-1,3,5-hexatriyne, *in* O-1-00025
- C₉F₂₀**
Eicosafuorononane, E-1-00001
- C₉H₃F₉**
1,2,3-Tris(trifluoromethyl)benzene, T-1-00278
1,2,4-Tris(trifluoromethyl)benzene, T-1-00279
1,3,5-Tris(trifluoromethyl)benzene, T-1-00280
- C₉H₄Br₃N**
2,3,4-Tribromoquinoline, T-1-00153
- C₉H₄Cl₃N**
2,3,4-Trichloroquinoline, T-1-00164
- C₉H₄F₆O**
3,5-Bis(trifluoromethyl)benzaldehyde, B-1-00209
2,2,2-Trifluoro-3'-(trifluoromethyl)acetophenone, T-1-00224
2,2,2-Trifluoro-4'-(trifluoromethyl)acetophenone, T-1-00225
- C₉H₄F₉P**
[2,4,6-Tris(trifluoromethyl)phenyl]phosphine, T-1-00282

- C₉H₄OS₃**
8*H*-Dithieno[3,2-*b*:2',3'-*e*]thiopyran-8-one, D-1-00532
- C₉H₄O₂S₃**
8*H*-Dithieno[3,2-*b*:2',3'-*e*]thiopyran-8-one; 4-Oxide, *in* D-1-00532
- C₉H₅BrO**
2-Bromo-1*H*-inden-1-one, B-1-00302
3-Bromo-1*H*-inden-1-one, B-1-00303
- C₉H₅ClN₂O₂**
1-Chloro-5-nitroisquinoline, C-1-00128
3-Chloro-5-nitroisquinoline, C-1-00129
4-Chloro-3-nitroisquinoline, C-1-00130
4-Chloro-5-nitroisquinoline, C-1-00131
5-Chloro-8-nitroisquinoline, C-1-00132
7-Chloro-8-nitroisquinoline, C-1-00133
8-Chloro-5-nitroisquinoline, C-1-00134
- C₉H₅ClN₂O₃**
8-Chloro-5-nitroisquinoline; *N*-Oxide, *in* C-1-00134
- C₉H₅Cl₃N₂**
2-(Trichloromethyl)quinoxaline, T-1-00162
- C₉H₅Cl₃N₂O**
4-Hydroxy-2-(trichloromethyl)quinazoline, H-1-00175
- C₉H₅F₅O**
2,2,3,3,3-Pentafluoro-1-phenyl-1-propanone, P-1-00015
- C₉H₅F₅O₂**
3-(Pentafluorophenyl)propanoic acid, P-1-00017
- C₉H₅F₅O₃**
(Pentafluorophenoxy)acetic acid; Me ester, *in* P-1-00014
- C₉H₅N₃OS**
2-Azidobenzo[*b*]thiophene-3-carboxaldehyde, A-1-00244
3-Azidobenzo[*b*]thiophene-2-carboxaldehyde, A-1-00245
- C₉H₅BrNS**
2-(2-Bromo-3-thienyl)pyridine, B-1-00393
2-(5-Bromo-3-thienyl)pyridine, B-1-00394
3-(2-Bromo-3-thienyl)pyridine, B-1-00395
3-(5-Bromo-3-thienyl)pyridine, B-1-00396
4-(2-Bromo-3-thienyl)pyridine, B-1-00397
4-(5-Bromo-3-thienyl)pyridine, B-1-00398
- C₉H₆Br₂O**
2,2-Dibromo-1-indanone, D-1-00149
- C₉H₆Br₄O₂**
2,6-Bis(dibromomethyl)benzoic acid, B-1-00141
3,4-Bis(dibromomethyl)benzoic acid, B-1-00142
- C₉H₆ClNO**
3-Indolizinecarboxylic acid; Chloride, *in* I-1-00017
- C₉H₆F₆O**
3,5-Bis(trifluoromethyl)benzenemethanol, B-1-00210
- C₉H₆NO₂PS**
2-Phenyl-1,3,4-thiazaphosphole-5-carboxylic acid, P-1-00103
- C₉H₆N₂**
1-Cyanoindolizine, *in* I-1-00015
2-Cyanoindolizine, *in* I-1-00016
3-Cyanoindolizine, *in* I-1-00017
8-Cyanoindolizine, *in* I-1-00018
- C₉H₆N₂OS**
5-Benzoyl-1,2,3-thiadiazole, B-1-00062
5-Phenyl-1,2,3-thiadiazole-4-carboxaldehyde, P-1-00101
- C₉H₆N₂O₂**
Benzoyldiazoacetaldehyde, B-1-00049
- C₉H₆N₂O₃**
1-Hydroxy-7-nitroisquinoline, H-1-00156
- C₉H₆N₄**
2-Amino-3-cyanoquinoxaline, *in* A-1-00207
1*H*-Imidazo[4,5-*b*]quinoxaline, I-1-00009
- C₉H₆N₄O**
3-Amino-2-quinoxalinecarboxylic acid; Nitrile, 4-oxide, *in* A-1-00207
1,3-Dihydro-2*H*-imidazo[4,5-*b*]quinoxalin-2-one, D-1-00291
- C₉H₆N₄O₂**
3-Amino-2-quinoxalinecarboxylic acid; Nitrile, 1,4-dioxide, *in* A-1-00207
- C₉H₆O₂S**
3-Mercapto-4*H*-1-benzopyran-4-one, M-1-00007
- C₉H₆O₃**
4-Hydroxy-5-benzofurancarboxaldehyde, H-1-00057
4-Hydroxy-7-benzofurancarboxaldehyde, H-1-00058
5-Hydroxy-4-benzofurancarboxaldehyde, H-1-00059
5-Hydroxy-6-benzofurancarboxaldehyde, H-1-00060
6-Hydroxy-5-benzofurancarboxaldehyde, H-1-00061
6-Hydroxy-7-benzofurancarboxaldehyde, H-1-00062
7-Hydroxy-4-benzofurancarboxaldehyde, H-1-00063
5-Hydroxy-1,3-indanedione, H-1-00101
- C₉H₆O₄**
Coryhumolide, M-1-00067
- C₉H₇BrO**
6-Bromo-2*H*-1-benzopyran, B-1-00226
7-Bromo-2*H*-1-benzopyran, B-1-00227
- C₉H₇Br₂N**
1,2-Bis(bromomethyl)-3-cyanobenzene, *in* B-1-00125
1,3-Bis(bromomethyl)-2-cyanobenzene, *in* B-1-00128
1,3-Bis(bromomethyl)-5-cyanobenzene, *in* B-1-00130
- C₉H₇Br₂NS**
4,6-Dibromo-2-methylthio-1*H*-indole, D-1-00154
- C₉H₇ClO**
6-Chloro-2*H*-1-benzopyran, C-1-00016
7-Chloro-2*H*-1-benzopyran, C-1-00017
8-Chloro-2*H*-1-benzopyran, C-1-00018
- C₉H₇Cl₂P**
2-Indenylphosphonous acid; Dichloride, *in* I-1-00013
- C₉H₇Cl₃**
3,3,3-Trichloro-1-phenylpropene, T-1-00163
- C₉H₇FO₃**
3-(4-Fluorophenyl)-2-oxopropanoic acid, F-1-00053
- C₉H₇F₃**
1-(Trifluoromethyl)-2-vinylbenzene, T-1-00216
1-(Trifluoromethyl)-3-vinylbenzene, T-1-00217
1-(Trifluoromethyl)-4-vinylbenzene, T-1-00218
3,3,3-Trifluoro-2-phenylpropene, T-1-00222
- C₉H₇F₃O**
3'-(Trifluoromethyl)acetophenone, T-1-00188
4'-(Trifluoromethyl)acetophenone, T-1-00189
1,1,1-Trifluoro-3-phenyl-2-propanone, T-1-00221
- C₉H₇F₃O₂**
2-(Trifluoromethyl)benzeneacetic acid, T-1-00190
3-(Trifluoromethyl)benzeneacetic acid, T-1-00191
4-(Trifluoromethyl)benzeneacetic acid, T-1-00192
- C₉H₇F₄NO**
4-Fluoro-2-(trifluoromethyl)aniline; *N*-Ac, *in* F-1-00058
5-Fluoro-2-(trifluoromethyl)aniline; *N*-Ac, *in* F-1-00059
- C₉H₇F₄NO₂**
2-Amino-3,4,5,6-tetrafluorobenzoic acid; Et ester, *in* A-1-00208
- C₉H₇IO**
4-Iodo-1-cubane-carboxaldehyde, I-1-00026
- C₉H₇NO**
2-(2-Cyanophenyl)oxirane, *in* O-1-00036
(4-Cyanophenyl)oxirane, *in* O-1-00037
- C₉H₇NO₂**
3-Amino-2-benzo[*b*]furancarboxaldehyde, A-1-00056
5-Hydroxy-4-phenylisoxazole, H-1-00170
1-Indolizinecarboxylic acid, I-1-00015
2-Indolizinecarboxylic acid, I-1-00016
3-Indolizinecarboxylic acid, I-1-00017
8-Indolizinecarboxylic acid, I-1-00018
- C₉H₇NO₄**
3-Amino-6,7-dihydroxy-2*H*-1-benzopyran-2-one, A-1-00123
- C₉H₇N₃O₂**
3-Amino-2-quinoxalinecarboxylic acid, A-1-00207
- C₉H₈BrN**
2-Bromo-3-methyl-1*H*-indole, B-1-00335
3-Bromo-2-methyl-1*H*-indole, B-1-00336
4-Bromo-2-methyl-1*H*-indole, B-1-00337
5-Bromo-2-methyl-1*H*-indole, B-1-00338
5-Bromo-3-methyl-1*H*-indole, B-1-00339
5-Bromo-7-methyl-1*H*-indole, B-1-00340
6-Bromo-2-methyl-1*H*-indole, B-1-00341
7-Bromo-5-methyl-1*H*-indole, B-1-00342
- C₉H₈Br₂**
1,2-Dibromo-1-phenyl-1-propene, D-1-00156
- C₉H₈Br₂O₂**
2,3-Bis(bromomethyl)benzoic acid, B-1-00125
2,4-Bis(bromomethyl)benzoic acid, B-1-00126
2,5-Bis(bromomethyl)benzoic acid, B-1-00127
2,6-Bis(bromomethyl)benzoic acid, B-1-00128
3,4-Bis(bromomethyl)benzoic acid, B-1-00129
3,5-Bis(bromomethyl)benzoic acid, B-1-00130
3',5'-Dibromo-4'-methoxyacetophenone, *in* D-1-00148
- C₉H₈Br₄**
2-Bromo-1,3,4-tris(bromomethyl)benzene, B-1-00403
- C₉H₈F₂O₂**
Difluorophenylacetic acid; Me ester, *in* D-1-00248
- C₉H₈F₃NO**
1,1,1-Trifluoro-3-phenyl-2-propanone; Oxime, *in* T-1-00221
- C₉H₈N₂O**
2-Hydroxy-4-methylquinazoline, H-1-00141
4-Hydroxy-5-methylquinazoline, H-1-00142
4-Hydroxy-6-methylquinazoline, H-1-00143
4-Hydroxy-7-methylquinazoline, H-1-00144
4-Hydroxy-8-methylquinazoline, H-1-00145
1-Indolizinecarboxylic acid; Amide, *in* I-1-00015
2-Indolizinecarboxylic acid; Amide, *in* I-1-00016
3-Indolizinecarboxylic acid; Amide, *in* I-1-00017
- C₉H₈N₂O₂**
Pyrazolo[1,5-*a*]pyridin-5-ol; Ac, *in* P-1-00157
- C₉H₈N₂S₂**
2,4-Quinoxalinedithiol; 3*N*-Me, *in* Q-1-00001
- C₉H₈N₄O**
3-Amino-2-quinoxalinecarboxylic acid; Amide, *in* A-1-00207
3-Amino-1,2,4-triazin-5(2*H*)-one; 3*N*-Ph, *in* A-1-00220
- C₉H₈OS**
3-Methyl-1(3*H*)-isobenzofuranthione, M-1-00075
- C₉H₈OS₂**
5-Methoxy-2,2'-bithiophene, *in* B-1-00220
- C₉H₈O₂**
2-Acetylbenzaldehyde, A-1-00008
3-Acetylbenzaldehyde, A-1-00009
4-Acetylbenzaldehyde, A-1-00010
4-Hydroxy-2-methylbenzofuran, H-1-00105
4-Hydroxy-3-methylbenzofuran, H-1-00106
4-Hydroxy-6-methylbenzofuran, H-1-00107

- 4-Hydroxy-7-methylbenzofuran, H-1-00108
 5-Hydroxy-2-methylbenzofuran, H-1-00109
 5-Hydroxy-3-methylbenzofuran, H-1-00110
 6-Hydroxy-2-methylbenzofuran, H-1-00111
 3-Phenylloxiranecarboxaldehyde, P-1-00086
- C₉H₈O₂S₄**
 2-(Hydroxymethyl)tetrathiafulvalene; Ac, in H-1-00147
 Tetrathiafulvalenecarboxylic acid; Et ester, in T-1-00106
- C₉H₈O₃**
 3-Acetyltropolone, A-1-00036
 2,3-Dihydro-7-hydroxy-4*H*-1-benzopyran-4-one, D-1-00280
 2-Oxiranylbenzoic acid, O-1-00035
 3-Oxiranylbenzoic acid, O-1-00036
 4-Oxiranylbenzoic acid, O-1-00037
- C₉H₈O₄**
 2-Formyl-3-hydroxybenzyl formate, in H-1-00098
- C₉H₈S₂**
 3-Methylbenzo[*c*]thiophene-1(3*H*)-thione, M-1-00039
- C₉H₉ClN₂O₄**
 5-Chloro-2',3'-didehydro-2',3'-dideoxyuridine, C-1-00070
- C₉H₉ClO₃**
 4-Chloro-3,5-dimethoxybenzaldehyde, in C-1-00081
- C₉H₉FN₂O₄**
 2',3'-Didehydro-2',3'-dideoxy-2'-fluorouridine, D-1-00214
- C₉H₉F₃**
 1,1,1-Trifluoro-3-phenylpropane, T-1-00220
- C₉H₉I**
 1-Iodo-4-methylcubane, I-1-00040
 1-Iodo-1-phenylpropene, I-1-00058
- C₉H₉IO**
 1-Hydroxymethyl-4-iodocubane, H-1-00122
- C₉H₉N**
 1-Phenyl-2-propyn-1-amine, P-1-00095
- C₉H₉NO**
 3,4-Dihydro-1(2*H*)-isoquinolinone, D-1-00297
 2,3-Dihydro-4(1*H*)-quinolinone, D-1-00328
 4-(1-Hydroxyethyl)benzoic acid; Nitrile, in H-1-00094
- C₉H₉NOS**
 3,4-Dihydro-1,4-benzothiazepin-5(2*H*)-one, D-1-00260
 4-(Phenylthio)-2-azetidinone, P-1-00111
- C₉H₉NOSe**
 4-Phenyl-2-oxazolidineselone, P-1-00085
- C₉H₉NO₂**
 3,4-Dihydro-4-hydroxy-1(2*H*)-isoquinolinone, D-1-00283
 3,4-Dihydro-5-hydroxy-1(2*H*)-isoquinolinone, D-1-00284
 3,4-Dihydro-6-hydroxy-1(2*H*)-isoquinolinone, D-1-00285
 3,4-Dihydro-7-hydroxy-1(2*H*)-isoquinolinone, D-1-00286
 3,4-Dihydro-8-hydroxy-1(2*H*)-isoquinolinone, D-1-00287
- C₉H₉NO₂S**
 3,4-Dihydro-1,4-benzothiazepin-5(2*H*)-one; S-Oxide, in D-1-00260
 4-(Phenylsulfonyl)-2-azetidinone, in P-1-00111
p-Toluenesulfonylacetonitrile, in M-1-00113
- C₉H₉NO₃**
 1,3,5-Trimethyl-4*H*-furo[3,4-*c*]pyrrole-4,6(5*H*)-dione, in D-1-00403
- C₉H₉NO₃S**
 3,4-Dihydro-1,4-benzothiazepin-5(2*H*)-one; S,S-Dioxide, in D-1-00260
 4-(Phenylsulfonyl)-4-azetidinone, in P-1-00111
- C₉H₉NO₄**
 6-(Hydroxymethyl)-2-pyridinecarboxylic acid; Ac, in H-1-00139
- C₉H₉NS**
 [(4-Methylphenyl)thio]acetic acid; Nitrile, in M-1-00113
 (*m*-Tolylthio)acetonitrile, in M-1-00112
- C₉H₉N₃O**
 3-Amino-5-phenyl-1,2,4-oxadiazole; *N*-Me, in A-1-00196
- C₉H₉N₃O₂**
 1*H*-Benzotriazole-5(6)-carboxylic acid; Et ester, in B-1-00037
- C₉H₉N₅O**
 3-Amino-2-quinoxalinecarboxylic acid; Hydrazide, in A-1-00207
- C₉H₉N₅O₂**
 2-Amino-4-hydroxy-6-methylpteridine; *N*²-Ac, in A-1-00147
- C₉H₉O₂P**
 2-Indenylphosphonous acid, I-1-00013
- C₉H₁₀BrNO₂**
 3-Bromo-4-pyridineacetic acid; Et ester, in B-1-00386
- C₉H₁₀BrN₅O₄**
 2-Azido-5-bromo-2',3'-dideoxyuridine, A-1-00246
- C₉H₁₀ClFN₂O₄**
 5-Chloro-2',3'-dideoxy-3'-fluorouridine, C-1-00073
- C₉H₁₀ClNO₂**
 2-[(2-Chloroethyl)amino]benzoic acid, C-1-00092
 4-[(2-Chloroethyl)amino]benzoic acid, C-1-00093
- C₉H₁₀ClN₃O₃**
 5-Chloro-2',3'-didehydro-2',3'-dideoxycytidine, C-1-00069
- C₉H₁₀ClN₅O₄**
 3'-Azido-5-chloro-2',3'-dideoxyuridine, A-1-00250
- C₉H₁₀FN₃O₃**
 2',3'-Didehydro-2',3'-dideoxy-2'-fluorocytidine, D-1-00212
- C₉H₁₀F₃O₃P**
 Dimethyl [3-(trifluoromethyl)phenyl]phosphonate, in T-1-00185
- C₉H₁₀INO₃**
 2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid, A-1-00154
- C₉H₁₀IN₅O₄**
 2'-Azido-2',3'-dideoxy-5-iodouridine, A-1-00252
- C₉H₁₀N₂**
 2,3-Dihydro-1*H*-cycloheptapyrazine, D-1-00263
 1,2-Dihydro-1-methylphthalazine, D-1-00306
 4,5-Dihydro-2-phenylimidazole, D-1-00323
- C₉H₁₀N₂O**
 5-Methoxy-2-methylpyrazolo[1,5-*a*]pyridine, in H-1-00130
- C₉H₁₀N₂O₂**
 3-Acetylbenzaldehyde; Dioxime, in A-1-00009
 4-Acetylbenzaldehyde; Dioxime, in A-1-00010
N-Acetyl-*N*'-benzoylhydrazine, A-1-00011
- C₉H₁₀N₂O₃**
 6-Amino-2-pyridinecarboxylic acid; *N*-Ac, Me ester, in A-1-00205
- C₉H₁₀O**
 Bicyclo[5.1.1]nona-2,5-dien-4-one, B-1-00092
 2-(2-Propenyl)phenol, P-1-00135
 3-(2-Propenyl)phenol, P-1-00136
 3*a*,4,7,7*a*-Tetrahydro-1*H*-inden-1-one, T-1-00039
- C₉H₁₀O₂**
 2-(2-Furanyl)-3-methyl-2-butenal, F-1-00074
- α*-Phenylloxiranemethanol, P-1-00087
 ► Phenyl propionate, in P-1-00131
 ► 4-(1-Propenyl)-1,2-benzenediol, P-1-00132
- C₉H₁₀O₂S**
 3,4-Dihydro-2*H*-1,5-benzooxathiepin-3-ol, D-1-00259
 [(2-Methylphenyl)thio]acetic acid, M-1-00111
 [(3-Methylphenyl)thio]acetic acid, M-1-00112
 [(4-Methylphenyl)thio]acetic acid, M-1-00113
- C₉H₁₀O₃**
 4-(1-Hydroxyethyl)benzoic acid, H-1-00094
- C₉H₁₀O₃S**
 [(2-Methylphenyl)sulfinyl]acetic acid, in M-1-00111
 [(3-Methylphenyl)sulfinyl]acetic acid, in M-1-00112
 [(4-Methylphenyl)sulfinyl]acetic acid, in M-1-00113
- C₉H₁₀O₄**
 ► Flopropione, T-1-00232
 3-(3,4,5-Trihydroxyphenyl)-2-propen-1-ol, T-1-00233
- C₉H₁₀O₄S**
 [(4-Methylphenyl)sulfonyl]acetic acid, in M-1-00113
 (*m*-Tolylsulfonyl)acetic acid, in M-1-00112
- C₉H₁₀S₄**
 Trimethyltetrathiafulvalene, T-1-00250
- C₉H₁₁Br**
 1-Bromo-3-phenylpropane, B-1-00382
- C₉H₁₁Cl**
 1-Chloro-2-isopropylbenzene, C-1-00113
 1-Chloro-3-isopropylbenzene, C-1-00114
 2-Chloro-2-phenylpropane, C-1-00155
- C₉H₁₁ClFN₃O₃**
 5-Chloro-2',3'-dideoxy-3'-fluorocytidine, C-1-00072
- C₉H₁₁ClN₂O**
 2-[(2-Chloroethyl)amino]benzoic acid; Amide, in C-1-00092
- C₉H₁₁ClN₆O₃**
 3'-Azido-5-chloro-2',3'-dideoxycytidine, A-1-00249
- C₉H₁₁Cl₂P**
 (2,4,6-Trimethylphenyl)phosphonous dichloride, T-1-00247
- C₉H₁₁FN₂O₃S**
 1-(2,3-Dideoxy-2-fluoro-*β*-D-*threo*-pentofuranosyl)-4-thiouracil, D-1-00216
- C₉H₁₁FN₂O₄**
 1-(2,3-Dideoxy-2-fluoro-*β*-D-*threo*-pentofuranosyl)uracil, D-1-00218
 2',5'-Dideoxy-5-fluorouridine, D-1-00219
- C₉H₁₁FN₂O₅**
 1-(2-Deoxy-2-fluoro-*β*-D-arabinofuranosyl)uracil, D-1-00016
 2'-Deoxy-2'-fluorouridine, D-1-00038
- C₉H₁₁N**
 1-Phenylcyclopropylamine, P-1-00063
- C₉H₁₁NO**
 9-Azabicyclo[3.3.1]nona-2,6-diene; *N*-Formyl, in A-1-00240
 Propionanilide, in P-1-00131
 1,2,3-Trimethyl-4-nitrosobenzene, T-1-00243
 1,2,4-Trimethyl-5-nitrosobenzene, T-1-00244
- C₉H₁₁NO₂**
 3-Amino-2-phenylpropanoic acid, A-1-00198
 1-Nitro-2-phenylpropane, N-1-00030
- C₉H₁₁NO₂S**
 3,4-Dihydro-3-methyl-1*H*-2,3-benzothiazine 2,2-dioxide, in D-1-00261
- C₉H₁₁NO₃**
 4-(Hydroxymethyl)-2-pyridinecarboxylic acid; Et ester, in H-1-00135
 5-(Hydroxymethyl)-2-pyridinecarboxylic acid; Et ester, in H-1-00137

- 5-(Hydroxymethyl)-3-pyridinecarboxylic acid; Et ester, *in* H-1-00138
 6-(Hydroxymethyl)-2-pyridinecarboxylic acid; Et ester, *in* H-1-00139
 6-(Hydroxymethyl)-3-pyridinecarboxylic acid; Et ester, *in* H-1-00140
- C₉H₁₁NO₇**
 2-β-D-Ribofuranosyl-4-oxazolecarboxylic acid, R-1-00003
- C₉H₁₁NS**
 2-Phenylthiazolidine, P-1-00104
 4-Phenylthiazolidine, P-1-00105
 5-Phenylthiazolidine, P-1-00106
- C₉H₁₁N₂O₈P**
 Cyclic UMP, C-1-00187
- C₉H₁₁N₅O₄**
 2'-Azido-2',3'-dideoxyuridine, A-1-00254
- C₉H₁₁P**
 1-Phenylphosphetane, P-1-00091
- C₉H₁₂CIN**
 1-(4-Chlorophenyl)-2-propylamine, C-1-00156
- C₉H₁₂CIN₃O₃**
 5-Chloro-2',3'-dideoxycytidine, C-1-00071
- C₉H₁₂ClO₃P**
 Dimethyl (α-chlorobenzyl)phosphonate, *in* C-1-00024
- C₉H₁₂Cl₂O₈S**
 5-Chloro-5-deoxyxylose; 1,2-Di-Ac, 3-chlorosulfate, *in* C-1-00062
- C₉H₁₂FN₃O₃**
 2',3'-Dideoxy-2'-fluorocytidine, D-1-00215
 F-DDC, *in* D-1-00215
- C₉H₁₂FN₃O₄**
 2'-Deoxy-2'-fluorocytidine, D-1-00019
- C₉H₁₂F₂O₅**
 2-Deoxy-2-fluoroarabinopyranosyl fluoride; Di-Ac, *in* D-1-00017
 2-Deoxy-2-fluorolxyopyranosyl fluoride; Di-Ac, *in* D-1-00031
 2-Deoxy-2-fluororibopyranosyl fluoride; Di-Ac, *in* D-1-00035
 2-Deoxy-2-fluoroxypyranosyl fluoride; Di-Ac, *in* D-1-00039
 3-Deoxy-3-fluoroxypyranosyl fluoride; Di-Ac, *in* D-1-00040
- C₉H₁₂N₂**
 3-Amino-3-phenylazetidine, A-1-00191
 1,2-Dicyanocycloheptane, *in* C-1-00192
- C₉H₁₂N₂O**
N,N'-Dimethyl-*N*-phenylurea, D-1-00464
- C₉H₁₂N₂O₂**
 3-Nitro-2-phenyl-1-propylamine, N-1-00031
- C₉H₁₂N₂O₄**
 2',3'-Dideoxyuridine, D-1-00220
- C₉H₁₂N₂O₄S**
 2'-Deoxy-4'-thiouridine, D-1-00078
- C₉H₁₂N₂O₅**
 2'-Deoxypseudouridine, D-1-00075
- C₉H₁₂N₂O₆**
 2-β-D-Ribofuranosyl-4-oxazolecarboxamide, *in* R-1-00003
- C₉H₁₂N₃O₇P**
 Cyclic CMP, C-1-00185
- C₉H₁₂N₄O₄**
 2-Amino-3,5-dinitropyridine; *N,N*-Di-Et, *in* A-1-00130
- C₉H₁₂O**
 Bicyclo[6.1.0]non-1(8)-en-9-one, B-1-00095
 2-Cyclononyl-1-one, C-1-00210
 1,3,3a,4,7,7a-Hexahydro-2*H*-inden-2-one, H-1-00042
 1,2,3,6,7,7a-Hexahydro-5*H*-inden-5-one, H-1-00043
 3,7-Nonadiyn-1-ol, N-1-00042
- C₉H₁₂O₂**
 Bicyclo[5.1.1]nonane-3,5-dione, B-1-00093
- C₉H₁₂O₃**
 3-Acetylbicyclo[1.1.1]pentane-1-carboxylic acid; Me ester, *in* A-1-00012
 Hexahydro-1*H*-cyclohepta[c]furan-1,3-(3*aH*)-dione, *in* C-1-00192
 2-(Phenoxy-methoxy)ethanol, *in* H-1-00103
- C₉H₁₂O₄**
 Bicyclo[4.1.0]heptane-7,7-dicarboxylic acid, B-1-00083
 1,2-Spiropentanedicarboxylic acid; Di-Me ester, *in* S-1-00005
- C₉H₁₂O₆**
 Gabosine G, *in* T-1-00227
- C₉H₁₂S**
 2-Isopropylbenzenethiol, I-1-00072
 4-Isopropylbenzenethiol, I-1-00073
 Isopropyl phenyl sulfide, I-1-00082
 1-Methyl-2[(methylthio)methyl]benzene, *in* M-1-00024
 1-Methyl-4[(methylthio)methyl]benzene, *in* M-1-00026
- C₉H₁₂S₂**
 Benzyl ethyl disulfide, B-1-00067
- C₉H₁₃Br**
 3-Bromotricyclo[3.3.1.0^{3,7}]nonane, B-1-00400
- C₉H₁₃BrN₂O₂**
 ▶ Pyridostigmine bromide, *in* P-1-00178
- C₉H₁₃Cl**
 3-Chlorotricyclo[3.3.1.0^{3,7}]nonane, C-1-00170
- C₉H₁₃ClO**
 3-Cyclohexyl-2-propenoic acid; Chloride, *in* C-1-00207
- C₉H₁₃ClO₆**
 2-Chloro-2-deoxyxylose; 3,4-Di-Ac, *in* C-1-00059
- C₉H₁₃IO₄**
 3,6-Anhydro-5-deoxy-5-iodoidofuranose; 1,2-*O*-Isopropylidene, *in* A-1-00233
- C₉H₁₃N**
 9-Azabicyclo[3.3.1]nona-2,6-diene; *N*-Me, *in* A-1-000240
 1-Cyano-2-cyclohexylethylene, *in* C-1-00207
- C₉H₁₃NO**
 1-Aminobicyclo[2.2.1]hept-2-ene; *N*-Ac, *in* A-1-00063
 5-Aminobicyclo[2.2.1]hept-2-ene; *N*-Ac, *in* A-1-00064
 1-(3-Aminophenyl)ethanol; *N*-Me, *in* A-1-00193
 3-Amino-1-phenyl-1-propanol, A-1-00199
- C₉H₁₃NO₂**
 (1-Ethylpropylidene)propanedioic acid; Mononitrile, Me ester, *in* E-1-00025
- C₉H₁₃NO₂S**
 2-(4-Methylbenzenesulfonyl)ethylamine, M-1-00027
- C₉H₁₃N₂O₂[⊕]**
 ▶ Pyridostigmine (1+), P-1-00178
- C₉H₁₃N₃O₅S**
 2'-Deoxy-4'-thiocytidine, D-1-00077
- C₉H₁₃O₃P**
 (2-Isopropylphenyl)phosphonic acid, I-1-00080
 (4-Isopropylphenyl)phosphonic acid, I-1-00081
- C₉H₁₄NO₂P**
 (3-Aminopropyl)phenylphosphinic acid, A-1-00202
- C₉H₁₄N₂O₄**
 α-Amino-2,3-dihydro-5-methyl-3-oxo-4-isoxazolepropanoic acid; Et ester, *in* A-1-00119
- C₉H₁₄O**
 Bicyclo[5.1.1]nonan-4-one, B-1-00094
- 3,5-Dimethyl-3-cyclohexene-1-carboxaldehyde, D-1-00386
 2,4-Dimethyl-2,4-heptadienal, D-1-00404
- C₉H₁₄O₂**
 3-Cyclohexene-1-acetic acid; Me ester, *in* C-1-00197
 3-Cyclohexyl-2-propenoic acid, C-1-00207
 8-Nonene-2,5-dione, N-1-00048
 4*H*,6*H*-3*a*,6*a*-Propano-1*H*,3*H*-furo[3,4-*c*]furan, P-1-00130
- C₉H₁₄O₃**
 2-Hydroxycycloheptanone; Ac, *in* H-1-00072
 2-Oxocyclopentaneacetic acid; Et ester, *in* O-1-00040
- C₉H₁₄O₄**
 1,2-Cycloheptanedicarboxylic acid, C-1-00192
- C₉H₁₄O₅**
 3-Oxoheptanedioic acid; Di-Me ester, *in* O-1-00045
- C₉H₁₄O₆**
 1,1,1-Ethanetricarboxylic acid; Et, Di-Me ester, *in* E-1-00009
- C₉H₁₅Br**
 1-Bromo-3-*tert*-butylbicyclo[1.1.1]pentane, B-1-00235
- C₉H₁₅BrO₄**
 5-Bromo-5-deoxyribose; Me glycoside, 2,3-*O*-isopropylidene, *in* B-1-00265
 5-Bromo-5-deoxyxylose; 1,2-*O*-Isopropylidene, 3-Me, *in* B-1-00273
- C₉H₁₅BrO₅**
 5-Bromo-5-deoxyidose; 1,2-*O*-Isopropylidene, *in* B-1-00255
 6-Bromo-6-deoxysorbose; 2,3-*O*-Isopropylidene, *in* B-1-00266
- C₉H₁₅ClO₂**
 2,3-Dimethylcyclopentanol; Chloroacetate, *in* D-1-00389
- C₉H₁₅ClO₄**
 5-Chloro-5-deoxyribose; Me glycoside, 2,3-*O*-isopropylidene, *in* C-1-00055
- C₉H₁₅ClO₅**
 1-Chloro-1-deoxyfructose; 2,3-*O*-Isopropylidene, *in* C-1-00042
 6-Chloro-6-deoxyfructose; 2,3-*O*-Isopropylidene, *in* C-1-00044
 5-Chloro-5-deoxyidose; 1,2-*O*-Isopropylidene, *in* C-1-00048
 6-Chloro-6-deoxyidose; 1,2-*O*-Isopropylidene, *in* C-1-00049
 1-Chloro-1-deoxysorbose; 2,3-*O*-Isopropylidene, *in* C-1-00056
 6-Chloro-6-deoxytalose; 1,2-*O*-Isopropylidene, *in* C-1-00058
- C₉H₁₅ClO₆S**
 5-Chloro-5-deoxyarabinose; 1,2-*O*-Isopropylidene, 3-mesyl, *in* C-1-00041
 5-Chloro-5-deoxyxylose; 1,2-*O*-Isopropylidene, 3-mesyl, *in* C-1-00062
- C₉H₁₅FO₅**
 3-Deoxy-3-fluoroidose; 1,2-*O*-Isopropylidene, *in* D-1-00030
- C₉H₁₅IO₄**
 5-Deoxy-5-iodolxylose; Me glycoside, 2,3-*O*-isopropylidene, *in* D-1-00059
 5-Deoxy-5-iodoribose; Me glycoside, 2,3-*O*-isopropylidene, *in* D-1-00066
- C₉H₁₅IO₅**
 3-Deoxy-3-iodoallose; 1,2-*O*-Isopropylidene, *in* D-1-00043
 1-Deoxy-1-iodosorbose; 2,3-*O*-Isopropylidene, *in* D-1-00067
 3-Deoxy-3-iodoxylose; Me glycoside, 4-Me, 2-Ac, *in* D-1-00072
- C₉H₁₅N**
 5-Aminobicyclo[2.2.1]hept-2-ene; *N,N*-Di-Me, *in* A-1-00064

- C₉H₁₅NO**
4-Vinylpiperidine; *N*-Ac, in V-1-00007
- C₉H₁₅NO₂**
▶ 3,3-Diethyl-2,4-piperidinedione, D-1-00229
- C₉H₁₅NO₄**
4-Amino-4,6-dideoxyallose; Me glycoside, 2,3-anhydro, *N*-Ac, in A-1-00114
- C₉H₁₆**
3,3,5-Trimethylcyclohexene, T-1-00237
- C₉H₁₆BrNO₃**
2-Amino-6-bromohexanoic acid; *N*-Ac, Me ester, in A-1-00069
- C₉H₁₆N₂O₅**
2,5-Diamino-2,5-dideoxyribose; 2*N*,5*N*-Di-Ac, in D-1-00100
2,3-Diamino-2,3-dideoxyxylose; 2*N*,3*N*-Di-Ac, in D-1-00101
2,5-Diamino-2,5-dideoxyxylose; 2*N*,5*N*-Di-Ac, in D-1-00102
- C₉H₁₆O**
1,1-Dicyclopropyl-1-methoxyethane, in D-1-00211
2,6-Dimethyl-1,5-heptadien-4-ol, D-1-00405
3,3-Dimethyl-1,5-heptadien-4-ol, D-1-00406
4,6-Dimethyl-1,5-heptadien-4-ol, D-1-00407
1-(Methoxymethyl)bicyclo[2.2.1]heptane, in B-1-00084
- C₉H₁₆O₂**
2,2-Diethyl-4-pentenoic acid, D-1-00227
2,2-Dimethylcyclopentanecarboxylic acid; Me ester, in D-1-00387
3,3-Dimethylcyclopentanecarboxylic acid; Me ester, in D-1-00388
2-Methyl-5-hexenoic acid; Et ester, in M-1-00071
- C₉H₁₆O₃**
Tetrahydro-2*H*-pyran-2-acetic acid; Et ester, in T-1-00051
- C₉H₁₇Br**
9-Bromo-1-nonene, B-1-00359
- C₉H₁₇BrO**
9-Bromononanal, B-1-00357
- C₉H₁₇IO₉S₂**
6-Deoxy-6-iodomannose; Me glycoside, 2,3-dimesyl, in D-1-00061
- C₉H₁₇NO**
▶ Valdetamide, in D-1-00227
- C₉H₁₇NO₃**
6-(Hydroxymethyl)-2-piperidinecarboxylic acid; Et ester, in H-1-00125
- C₉H₁₇NO₄**
5-Amino-5-deoxyribose; Me glycoside, 2,3-*O*-isopropylidene, in A-1-00109
5-Amino-5-deoxyxylose; 1,2-*O*-Isopropylidene, 3-Me, in A-1-00111
- C₉H₁₇NO₅**
5-Amino-5-deoxyidose; 1,2-*O*-Isopropylidene, in A-1-00103
4-Amino-4,6-dideoxyallose; Me glycoside, *N*-Ac, in A-1-00114
4-Amino-4,6-dideoxyaltrose; Me glycoside, *N*-Ac, in A-1-00115
4-Amino-4,6-dideoxyidose; Me glycoside, *N*-Ac, in A-1-00116
- C₉H₁₇NO₆**
3-Amino-3-deoxymannose; Me glycoside, *N*-Ac, in A-1-00106
- C₉H₁₇N₂O₅**
2,6-Diamino-2,6-dideoxyidose; Me glycoside, 2*N*-Ac, in D-1-00098
- C₉H₁₇OP**
1-Phosphabicyclo[4.4.0]decane; *P*-Oxide, in P-1-00115
- C₉H₁₇O₃P**
Dimethyl [bicyclo[3.1.1]heptyl]-6-phosphonate, in B-1-00089
- C₉H₁₇P**
1-Phosphabicyclo[4.4.0]decane, P-1-00115
- C₉H₁₇PS**
1-Phosphabicyclo[4.4.0]decane; *P*-Sulfide, in P-1-00115
- C₉H₁₇PSe**
1-Phosphabicyclo[4.4.0]decane; *P*-Selenide, in P-1-00115
- C₉H₁₈**
Butylcyclopentane, B-1-00415
- C₉H₁₈IP**
1-Methyloctahydrohydrophosphindolizinium iodide, in P-1-00116
- C₉H₁₈N[⊕]**
Octahydrocyclopenta[*c*]pyrrole; *N,N*-Di-Me, in O-1-00013
- C₉H₁₈NO₇P**
Amino(dimethoxyphosphinyl)acetic acid; *N*-tert-Butoxycarbonyl, in A-1-00125
- C₉H₁₈N₂O₄**
2,4-Diamino-2,4,6-trideoxyidose; Me glycoside, 3-Ac, in D-1-00110
- C₉H₁₈O**
Heptyloxirane, H-1-00021
3-Isopropylcyclohexanol, I-1-00074
1-Nonen-4-ol, N-1-00049
- C₉H₁₈OS**
Octanethioic acid; *S*-Me ester, in O-1-00023
- C₉H₁₈O₂**
2,4-Dimethylhexanoic acid; Me ester, in D-1-00410
2,2-Dimethylpentanoic acid; Et ester, in D-1-00452
- C₉H₁₉BrO**
9-Bromo-1-nonanol, B-1-00358
- C₉H₁₉BrO₂**
7-Bromo-1,1-dimethoxyheptane, in B-1-00298
- C₉H₁₉ClO₃S₂**
2-Chloro-2-deoxyarabinose; Diethyl dithioacetal, in C-1-00039
- C₉H₁₉F₆O₄PSi₂**
Bis(trimethylsilyl) [(2,2,2-trifluoro-1-hydroxy-1-trifluoromethyl)ethyl]phosphonate, in H-1-00031
- C₉H₁₉NO**
2-Amino-3-cyclohexylpropanol, A-1-00094
- C₉H₁₉NO₄**
4-Amino-4,6-dideoxyaltrose; Me glycoside, *N,N*-di-Me, in A-1-00115
4-Amino-4,6-dideoxyidose; Me glycoside, *N,N*-di-Me, in A-1-00116
- C₉H₁₉O₆PSi**
Bis(carboxymethyl)phosphinic acid; *C*-Di-Me ester, *P*-trimethylsilyl ester, in B-1-00137
- C₉H₂₀Cl₃N₂P**
N,N,N,N'-Tetraethyl-*P*-(trichloromethyl)phosphonous diamide, in T-1-00160
- C₉H₂₀F₃N₂P**
N,N,N,N'-Tetraethyl-*P*-(trifluoromethyl)phosphonous diamide, in T-1-00211
- C₉H₂₀NO₃P**
Diethyl [1-(aminomethyl)-1-cyclobutyl]phosphonate, in A-1-00164
- C₉H₂₀NO₅P**
Diisopropyl (1-methyl-2-nitroethyl)phosphonate, in M-1-00093
Diisopropyl (1-nitropropyl)phosphonate, in N-1-00032
Dipropyl (1-methyl-1-nitroethyl)phosphonate, in M-1-00092
- C₉H₂₀N₂O₆P₂**
Tetraethyl (diazomethylene)bisphosphonate, in D-1-00120
- C₉H₂₀O**
2-Methyl-2-octanol, M-1-00096
3-Methyl-4-octanol, M-1-00097
5-Methyl-4-octanol, M-1-00098
7-Methyl-4-octanol, M-1-00099
- C₉H₂₀O₂**
Dibutoxymethane, D-1-00165
1,7-Nonanediol, N-1-00046
2,8-Nonanediol, N-1-00047
- C₉H₂₀O₃**
3-Hydroxymethyl-5,5-dimethyl-2,4-hexanediol, H-1-00121
- C₉H₂₂BrNO₂**
N,N,N-Trimethyl-2-oxoethanaminium(1+); Di-Et acetal, bromide, in T-1-00246
- C₉H₂₂ClN₂P**
P-(Chloromethyl)-*N,N,N',N'*-tetraethylphosphonous diamide, in C-1-00124
- C₁₀Cl₂F₁₆O₂**
Hexadecafluorodecanedioic acid; Dichloride, in H-1-00025
- C₁₀F₁₆**
Hexadecafluorobicyclopentylidene, H-1-00024
- C₁₀F₁₆N₂**
Hexadecafluorodecanedioic acid; Dinitrile, in H-1-00025
- C₁₀F₂₀O₅**
Perfluoro-15-crown-5, P-1-00031
- C₁₀F₂₁I**
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heneicosafuoro-10-iododecane, H-1-00003
- C₁₀HF₂₁**
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heneicosafuorodecane, H-1-00002
- C₁₀H₂F₁₆O₄**
Hexadecafluorodecanedioic acid, H-1-00025
- C₁₀H₄F₁₆N₂O₂**
Hexadecafluorodecanedioic acid; Diamide, in H-1-00025
- C₁₀H₄I₂S₂**
2,6-Diiodobenzo[1,2-*b*:4,5-*b'*]dithiophene, D-1-00355
2,7-Diiodobenzo[1,2-*b*:4,3-*b'*]dithiophene, D-1-00356
2,7-Diiodobenzo[2,1-*b*:3,4-*b'*]dithiophene, D-1-00357
- C₁₀H₄N₂O₂**
2,6-Diethynyl-1*H*,7*H*-pyrazolo[1,2-*a*]pyrazole-1,7-dione, D-1-00235
- C₁₀H₄N₂O₂S**
Naphtho[2,3-*c*][1,2,5]thiadiazole-4,9-dione, N-1-00006
- C₁₀H₄N₄**
2,3-Dicyanoquinoxaline, in Q-1-00004
- C₁₀H₅BrO₂**
3-Bromo-4-phenyl-3-cyclobutene-1,2-dione, B-1-00375
- C₁₀H₅Br₄NO**
2,3,4,6-Tetrabromo-1*H*-indole; *N*-Ac, in T-1-00003
- C₁₀H₅ClF₃N**
4-Chloro-7-(trifluoromethyl)quinoline, C-1-00172
4-Chloro-8-(trifluoromethyl)quinoline, C-1-00173
- C₁₀H₅ClF₃NO**
4-Chloro-7-(trifluoromethyl)quinoline; *N*-Oxide, in C-1-00172
- C₁₀H₅F₃O₃**
7-Hydroxy-4-(trifluoromethyl)-2*H*-1-benzopyran-2-one, H-1-00176
- C₁₀H₅F₇O**
2,2,3,3,4,4,4-Heptafluoro-1-phenyl-1-butanone, H-1-00014

- C₁₀H₅F₉O₃S**
1,1,2,2,3,3,4,4,4-Nonafluoro-1-butanefulfonic acid; Ph ester, *in* N-1-00043
- C₁₀H₅IO₂**
2-Iodo-1,4-naphthoquinone, I-1-00046
5-Iodo-1,4-naphthoquinone, I-1-00047
6-Iodo-1,4-naphthoquinone, I-1-00048
- C₁₀H₅N₃O₂**
1-Cyano-4-nitroisquinoline, *in* N-1-00019
5-Nitro-1-isquinolinecarboxylic acid; Nitrile, *in* N-1-00020
- C₁₀H₆Br₃N**
2-(Tribromomethyl)quinoline, T-1-00151
- C₁₀H₆ClF₃O**
3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid; Chloride, *in* T-1-00209
- C₁₀H₆ClNO₂**
3-Amino-4-chloro-3-cyclobutene-1,2-dione; *N*-Ph, *in* A-1-00074
- C₁₀H₆ClNO₃**
2-Chloro-4-hydroxy-3-quinolinecarboxylic acid, C-1-00108
6-Chloro-4-hydroxy-3-quinolinecarboxylic acid, C-1-00109
7-Chloro-4-hydroxy-3-quinolinecarboxylic acid, C-1-00110
8-Chloro-4-hydroxy-3-quinolinecarboxylic acid, C-1-00111
- C₁₀H₆Cl₃N**
3-(Trichloromethyl)quinoline, T-1-00161
- C₁₀H₆F₃N**
3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid; Nitrile, *in* T-1-00209
- C₁₀H₆F₃NO**
4-Hydroxy-7-(trifluoromethyl)quinoline, H-1-00177
4-Hydroxy-8-(trifluoromethyl)quinoline, H-1-00178
- C₁₀H₆I₂N₂O**
3,4-Diiodopyrazole; *N*-Benzoyl, *in* D-1-00359
- C₁₀H₆N₂O**
1,2-Dihydro-2-oxocyclohepta[*b*]pyrrole-3-carbonitrile, *in* D-1-00318
- C₁₀H₆N₂O₂**
3-Phenylisoxazolol[5,4-*c*]isoxazole, P-1-00081
- C₁₀H₆N₂O₄**
4-Nitro-1-isquinolinecarboxylic acid, N-1-00019
5-Nitro-1-isquinolinecarboxylic acid, N-1-00020
5-Nitro-3-isquinolinecarboxylic acid, N-1-00021
8-Nitro-3-isquinolinecarboxylic acid, N-1-00022
2,3-Quinoxalinedicarboxylic acid, Q-1-00004
- C₁₀H₆N₂S**
Thieno[2,3-*c*][2,6]naphthyridine, T-1-00116
Thieno[2,3-*c*][2,7]naphthyridine, T-1-00117
Thieno[3,2-*c*][2,6]naphthyridine, T-1-00118
Thieno[3,2-*c*][2,7]naphthyridine, T-1-00119
Thieno[3,4-*c*][2,6]naphthyridine, T-1-00120
Thieno[3,4-*c*][2,7]naphthyridine, T-1-00121
Thieno[2,3-*f*][1,7]naphthyridine, T-1-00122
Thieno[3,2-*f*][1,7]naphthyridine, T-1-00123
Thieno[3,4-*f*][1,7]naphthyridine, T-1-00124
Thieno[2,3-*h*][1,6]naphthyridine, T-1-00125
Thieno[3,2-*h*][1,6]naphthyridine, T-1-00126
Thieno[3,4-*h*][1,6]naphthyridine, T-1-00127
- C₁₀H₆N₄OS**
Naphtho[2,3-*c*][1,2,5]thiadiazole-4,9-dione; Monohydrazone, *in* N-1-00006
- C₁₀H₆N₄O₂S**
Naphtho[2,3-*c*][1,2,5]thiadiazole-4,9-dione; Dioxime, *in* N-1-00006
- C₁₀H₆N₄O₄**
3,3'-Dinitro-2,2'-bipyridine, D-1-00479
3,3'-Dinitro-2,4'-bipyridine, D-1-00480
- 3,3'-Dinitro-4,4'-bipyridine, D-1-00481
4,4'-Dinitro-2,2'-bipyridine, D-1-00482
4,4'-Dinitro-3,3'-bipyridine, D-1-00483
5,5'-Dinitro-2,2'-bipyridine, D-1-00484
- C₁₀H₆N₄O₅**
4,4'-Dinitro-2,2'-bipyridine; *N*-Oxide, *in* D-1-00482
- C₁₀H₆N₄O₆**
4,4'-Dinitro-2,2'-bipyridine; *N,N'*-Dioxide, *in* D-1-00482
- C₁₀H₆OS₃**
Naphtho[2,3-*d*]-1,2,3-trithiole; 1-Oxide, *in* N-1-00007
Naphtho[2,3-*d*]-1,2,3-trithiole; 2-Oxide, *in* N-1-00007
- C₁₀H₆O₂S**
Benzo[*c*]thiophene-1,3-dicarboxaldehyde, B-1-00031
- C₁₀H₆O₂S₂**
[2,2'-Bithiophene]-3,3'-dicarboxaldehyde, B-1-00217
[2,2'-Bithiophene]-5,5'-dicarboxaldehyde, B-1-00218
- C₁₀H₆O₃**
6-Hydroxy-4-oxo-4*H*-1-benzopyran-2-carboxylic acid, H-1-00158
7-Hydroxy-4-oxo-4*H*-1-benzopyran-2-carboxylic acid, H-1-00159
8-Hydroxy-4-oxo-4*H*-1-benzopyran-2-carboxylic acid, H-1-00160
- C₁₀H₆P₂S₄**
1,3-Epithio-1*H*,3*H*-naphtho[1,8-*c,d*][1,2,6]thiadiphosphorin 1,3-disulfide, E-1-00005
- C₁₀H₆S₃**
Naphtho[2,3-*d*]-1,2,3-trithiole, N-1-00007
- C₁₀H₆BrN₂**
6-Bromo-1*H*-indole-3-acetonitrile, *in* B-1-00304
- C₁₀H₆BrN₂O₂**
3-Bromo-5-nitro-2-naphthylamine, B-1-00353
3-Bromo-8-nitro-2-naphthylamine, B-1-00354
- C₁₀H₆Br₃O₄**
2,3,5-Tribromo-1,4-benzenediol; Di-Ac, *in* T-1-00148
- C₁₀H₇ClO**
2-Chloro-3-phenyl-2-cyclobuten-1-one, C-1-00148
- C₁₀H₇F₃N₂**
3-Amino-4-(trifluoromethyl)quinoline, A-1-00222
5-Amino-8-(trifluoromethyl)quinoline, A-1-00223
6-Amino-5-(trifluoromethyl)quinoline, A-1-00224
8-Amino-5-(trifluoromethyl)quinoline, A-1-00225
8-Amino-7-(trifluoromethyl)quinoline, A-1-00226
- C₁₀H₇F₃O**
2-(Trifluoromethyl)-1-indanone, T-1-00206
- C₁₀H₇F₃O₂**
3-[2-(Trifluoromethyl)phenyl]-2-propenoic acid, T-1-00208
3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, T-1-00209
3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, T-1-00210
- C₁₀H₇F₃O₃S**
2,3-Dihydro-7-hydroxy-4*H*-1-benzopyran-4-one; Trifluoromethanesulfonyl, *in* D-1-00280
- C₁₀H₇F₅O₃**
(Pentafluorophenoxy)acetic acid; Et ester, *in* P-1-00014
- C₁₀H₇F₆NO**
2,5-Bis(trifluoromethyl)aniline; *N*-Ac, *in* B-1-00207
- C₁₀H₇NO**
2-Cyano-1-indanone, *in* O-1-00046
- C₁₀H₇NOS**
3-(2-Pyridinyl)-2-thiophenecarboxaldehyde, P-1-00163
3-(3-Pyridinyl)-2-thiophenecarboxaldehyde, P-1-00164
3-(4-Pyridinyl)-2-thiophenecarboxaldehyde, P-1-00165
4-(3-Pyridinyl)-2-thiophenecarboxaldehyde, P-1-00166
4-(4-Pyridinyl)-2-thiophenecarboxaldehyde, P-1-00167
- C₁₀H₇NO₂**
1*H*-1-Benzazepine-2,5-dione, B-1-00003
- C₁₀H₇NO₃**
1,2-Dihydro-2-oxocyclohepta[*b*]pyrrole-3-carboxylic acid, D-1-00318
- C₁₀H₇NO₅**
Pseudoverdin, *in* A-1-00123
- C₁₀H₇N₃**
3-Amino-4-cyanoisquinoline, *in* A-1-00157
- C₁₀H₈**
Ethylnylcubane, E-1-00037
- C₁₀H₈BrNO₂**
6-Bromo-1*H*-indole-3-acetic acid, B-1-00304
- C₁₀H₈BrN₃O**
► Bropirimine, A-1-00071
- C₁₀H₈Br₂**
9-(Dibromomethylene)-1,3,5,7-cyclononatetraene, D-1-00150
- C₁₀H₈Br₂N₂**
6,7-Bis(bromomethyl)quinoxaline, B-1-00133
- C₁₀H₈Br₂O**
2,7-Dibromo-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00143
5,6-Dibromo-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00144
5,7-Dibromo-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00145
6,7-Dibromo-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00146
- C₁₀H₈Cl₂O**
2,2-Dichloro-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00175
5,6-Dichloro-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00176
6,7-Dichloro-3,4-dihydro-1(2*H*)-naphthalenone, D-1-00177
2,2-Dichloro-1-phenylcyclopropanecarboxaldehyde, D-1-00192
- C₁₀H₈Cl₂O₃**
2-(Chloroacetoxymethyl)benzoic acid; Chloride, *in* C-1-00011
- C₁₀H₈I₂N₂**
3,4-Diiodopyrazole; *N*-Benzyl, *in* D-1-00359
- C₁₀H₈N₂**
1*H*-Pyrazolol[5,4-*a*]indole, P-1-00155
- C₁₀H₈N₂O₂**
1-Amino-4-isquinolinecarboxylic acid, A-1-00156
3-Amino-4-isquinolinecarboxylic acid, A-1-00157
5-Amino-4-isquinolinecarboxylic acid, A-1-00158
- C₁₀H₈N₂O₃**
2-Methyl-7-nitro-1(2*H*)-isquinolinone, *in* H-1-00156
- C₁₀H₈O**
Tricyclo[5.2.1.0^{2,6}]deca-2(6),4,8-trien-3-one, T-1-00171
- C₁₀H₈O₂**
1,4-Cubanedicarboxaldehyde, C-1-00180
Habropetalal, M-1-00028
3-Methyl-2-benzofurancarboxaldehyde, M-1-00029
4-Methyl-2-benzofurancarboxaldehyde, M-1-00030

- 4-Methyl-5-benzofurancarboxaldehyde, M-1-00031
 5-Methyl-2-benzofurancarboxaldehyde, M-1-00032
 5-Methyl-3-benzofurancarboxaldehyde, M-1-00033
 6-Methyl-2-benzofurancarboxaldehyde, M-1-00034
 6-Methyl-3-benzofurancarboxaldehyde, M-1-00035
 7-Methyl-2-benzofurancarboxaldehyde, M-1-00036
- C₁₀H₈O₂S**
 3-(Methylthio)-4*H*-1-benzopyran-4-one, *in* M-1-00007
- C₁₀H₈O₂S₆**
 2,2'-Bi(5,6-dihydro-1,3-dithiol[4,5-*b*][1,4]oxathiin-2-ylidene), B-1-00102
- C₁₀H₈O₃**
 5-Acetyl-4-hydroxybenzofuran, A-1-00030
 6-Methoxy-5-benzofurancarboxaldehyde, *in* H-1-00061
 1-Oxo-2-indanecarboxylic acid, O-1-00046
- C₁₀H₈O₄**
 3,8-Dioxatricyclo[5.3.1.1^{2,6}]deca-4,9-diene-11,12-dione, D-1-00491
- C₁₀H₉BrN₂O**
 6-Bromo-1*H*-indole-3-acetamide, *in* B-1-00304
- C₁₀H₉ClO₄**
 2-(Chloroacetoxymethyl)benzoic acid, C-1-00011
- C₁₀H₉Cl₂NO**
 5,6-Dichloro-3,4-dihydro-1(2*H*)-naphthalenone; Oxime, *in* D-1-00176
 6,7-Dichloro-3,4-dihydro-1(2*H*)-naphthalenone; Oxime, *in* D-1-00177
- C₁₀H₉FO₃**
 4-(4-Fluorophenyl)-4-oxobutanoic acid, F-1-00052
- C₁₀H₉F₃O₂**
 3-(Trifluoromethyl)benzeneacetic acid; Me ester, *in* T-1-00191
- C₁₀H₉N**
 1*H*-1-Benzazepine, B-1-00001
 3*H*-2-Benzazepine, B-1-00002
- C₁₀H₉NO**
 3-Oxiranyl-1*H*-indole, O-1-00038
- C₁₀H₉NO₂**
 4-(4-Hydroxyphenyl)-4-oxobutanenitrile, *in* H-1-00171
 2-Indolizinecarboxylic acid; Me ester, *in* I-1-00016
 3-Indolizinecarboxylic acid; Me ester, *in* I-1-00017
 Isocyanoacetic acid; Benzyl ester, *in* I-1-00067
 2-Methyl-4-phenyl-5(2*H*)-isoxazolone, *in* H-1-00170
 3-Phenyl-2,5-pyrrolidinedione, P-1-00096
- C₁₀H₉NO₂S**
 2,3-Dihydro-2-thioxo-1*H*-indole-3-acetic acid, D-1-00332
- C₁₀H₉NO₃**
 1-Oxo-2-indanecarboxylic acid; Oxime, *in* O-1-00046
- C₁₀H₉N₂P**
 Bis(cyanomethyl)phenylphosphine, *in* P-1-00092
- C₁₀H₉N₃**
 5-Amino-2,2'-bipyridine, A-1-00065
- C₁₀H₉N₃O₂**
N-(1*H*-Indole-3-carbonyl)urea, I-1-00014
- C₁₀H₁₀**
 1-Phenylcyclobutene, P-1-00058
- C₁₀H₁₀Br₂O₂**
 2,4-Bis(bromomethyl)benzoic acid; Me ester, *in* B-1-00126
- 2,5-Bis(bromomethyl)benzoic acid; Me ester, *in* B-1-00127
 2,6-Bis(bromomethyl)benzoic acid; Me ester, *in* B-1-00128
 3,4-Bis(bromomethyl)benzoic acid; Me ester, *in* B-1-00129
 3,5-Bis(bromomethyl)benzoic acid; Me ester, *in* B-1-00130
- C₁₀H₁₀Br₂O₄S**
 3,4-Bis(bromomethyl)-2,5-thiophenedicarboxylic acid; Di-Me ester, *in* B-1-00134
- C₁₀H₁₀N₂**
 3(5)-Benzyl-1*H*-pyrazole, B-1-00072
 4-Benzyl-1*H*-pyrazole, B-1-00073
 1,3,4,5-Tetrahydropyrrolo[4,3,2-*de*]quinoline, T-1-00056
- C₁₀H₁₀N₂O₂**
 5-Hydroxy-2-methylpyrazolo[1,5-*a*]pyridine; Ac, *in* H-1-00130
 3-Phenyl-2,5-piperazinedione, P-1-00094
- C₁₀H₁₀N₂S₂**
 2,4-Bis(methylthio)quinazoline, *in* Q-1-00001
 2,4-Quinazolinedithiol; *N,N'*-Di-Me, *in* Q-1-00001
- C₁₀H₁₀O**
 2-Phenylcyclopropanecarboxaldehyde, P-1-00061
 Tricyclo[5.2.1.0^{2,6}]deca-2(6),8-dien-3-one, T-1-00170
- C₁₀H₁₀OS**
 2,3-Dihydro-2-methyl-4*H*-1-benzothiopyran-4-one, D-1-00298
 2,3-Dihydro-3-methyl-4*H*-1-benzothiopyran-4-one, D-1-00299
 2,3-Dihydro-5-methyl-4*H*-1-benzothiopyran-4-one, D-1-00300
 2,3-Dihydro-6-methyl-4*H*-1-benzothiopyran-4-one, D-1-00301
 2,3-Dihydro-7-methyl-4*H*-1-benzothiopyran-4-one, D-1-00302
 2,3-Dihydro-8-methyl-4*H*-1-benzothiopyran-4-one, D-1-00303
 3,3-Dimethyl-1(3*H*)-isobenzofuranthione, D-1-00431
 2-Methyl-2-propenethioic acid; *S*-Ph ester, *in* M-1-00121
- C₁₀H₁₀O₂**
 4-Hydroxy-4-phenyl-2-butenal, H-1-00168
 4-Methoxy-2-methylbenzofuran, *in* H-1-00105
 4-Methoxy-3-methylbenzofuran, *in* H-1-00106
 5-Methoxy-2-methylbenzofuran, *in* H-1-00109
 1-Phenyl-1,2-butanedione, P-1-00054
- C₁₀H₁₀O₂S**
 2,3-Dihydro-2-methyl-4*H*-1-benzothiopyran-4-one; *S*-Oxide, *in* D-1-00298
 2,3-Dihydro-3-methyl-4*H*-1-benzothiopyran-4-one; *S*-Oxide, *in* D-1-00299
 2,3-Dihydro-5-methyl-4*H*-1-benzothiopyran-4-one; *S*-Oxide, *in* D-1-00300
 2,3-Dihydro-6-methyl-4*H*-1-benzothiopyran-4-one; *S*-Oxide, *in* D-1-00301
 2,3-Dihydro-8-methyl-4*H*-1-benzothiopyran-4-one; *S*-Oxide, *in* D-1-00303
- C₁₀H₁₀O₃**
 4,7-Dimethoxybenzo[*c*]furan, *in* D-1-00337
 2-Oxiranylbenzoic acid; Me ester, *in* O-1-00035
 4-Oxiranylbenzoic acid; Me ester, *in* O-1-00037
- C₁₀H₁₀O₃S**
 2,3-Dihydro-2-methyl-4*H*-1-benzothiopyran-4-one; *S,S*-Dioxide, *in* D-1-00298
 2,3-Dihydro-3-methyl-4*H*-1-benzothiopyran-4-one; *S,S*-Dioxide, *in* D-1-00299
 2,3-Dihydro-5-methyl-4*H*-1-benzothiopyran-4-one; *S,S*-Dioxide, *in* D-1-00300
 2,3-Dihydro-7-methyl-4*H*-1-benzothiopyran-4-one; *S,S*-Dioxide, *in* D-1-00302
 2,3-Dihydro-8-methyl-4*H*-1-benzothiopyran-4-one; *S,S*-Dioxide, *in* D-1-00303
 4,5,6,7-Tetrahydro-4-oxobenzo[*b*]thiophene-2-acetic acid, T-1-00049
- C₁₀H₁₀O₄**
 4-(4-Hydroxyphenyl)-4-oxobutanoic acid, H-1-00171
- C₁₀H₁₀O₄S₂**
 1*H*,3*H*-Thieno[3,4-*c*]thiophene-4,6-dicarboxylic acid; Di-Me ester, *in* T-1-00129
- C₁₀H₁₁Br₂**
 1,3-Bis(2-bromoethyl)benzene, B-1-00123
- C₁₀H₁₁FN₂O₄**
 2',3'-Didehydro-2',3'-dideoxy-2'-fluorothymidine, D-1-00213
- C₁₀H₁₁IO₂**
 2-(2-Iodophenyl)ethanol; Ac, *in* I-1-00055
- C₁₀H₁₁N**
 1*H*-1-Benzazepine; 2,3-Dihydro, *in* B-1-00001
 3*H*-2-Benzazepine; 4,5-Dihydro, *in* B-1-00002
- C₁₀H₁₁NO**
 3,4-Dihydro-1(2*H*)-isoquinolinone; *N*-Me, *in* D-1-00297
 2,3-Dihydro-4(1*H*)-quinolinone; *N*-Me, *in* D-1-00328
 2-Methyl-1*H*-indole-4-methanol, M-1-00074
 3-Methyl-4-phenyl-2-azetidinone, M-1-00101
 1,3,4,5-Tetrahydro-2*H*-1-benzazepin-2-one, T-1-00028
 2,3,4,5-Tetrahydro-1*H*-2-benzazepin-1-one, T-1-00029
- C₁₀H₁₁NOS**
 3,4-Dihydro-1,4-benzothiazepin-5(2*H*)-one; *N*-Me, *in* D-1-00260
 2,3-Dihydro-2-methyl-4*H*-1-benzothiopyran-4-one; Oxime, *in* D-1-00298
 2,3-Dihydro-3-methyl-4*H*-1-benzothiopyran-4-one; Oxime, *in* D-1-00299
 2,3-Dihydro-8-methyl-4*H*-1-benzothiopyran-4-one; Oxime, *in* D-1-00303
- C₁₀H₁₁NO₂**
 3,4-Dihydro-4-hydroxy-1(2*H*)-isoquinolinone; *N*-Me, *in* D-1-00283
 3,4-Dihydro-5-methoxy-1(2*H*)-isoquinolinone, *in* D-1-00284
 3,4-Dihydro-6-methoxy-1(2*H*)-isoquinolinone, *in* D-1-00285
 3,4-Dihydro-7-methoxy-1(2*H*)-isoquinolinone, *in* D-1-00286
 3,4-Dihydro-8-methoxy-1(2*H*)-isoquinolinone, *in* D-1-00287
 3-Phenyl-2-azetidinecarboxylic acid, P-1-00044
 1-Phenyl-1,2-butanedione; 2-Oxime, *in* P-1-00054
- C₁₀H₁₁NO₃**
 5-Amino-4*H*-1,3-benzodioxin; *N*-Ac, *in* A-1-00055
 1,3-Dihydro-3,3-dimethoxy-2*H*-indol-2-one, D-1-00269
- C₁₀H₁₁NO₄**
 2-(Hydroxymethyl)-3-pyridinecarboxylic acid; Ac, Me ester, *in* H-1-00131
 4-(Hydroxymethyl)-3-pyridinecarboxylic acid; Ac, Me ester, *in* H-1-00136
 6-(Hydroxymethyl)-3-pyridinecarboxylic acid; Ac, Me ester, *in* H-1-00140
- C₁₀H₁₁N₃O₆**
 5-Cyanouridine, *in* U-1-00007
- C₁₀H₁₁N₅**
 2,4-Diamino-6-benzyl-1,3,5-triazine, D-1-00084
- C₁₀H₁₁N₁₁O₂**
 2',3'-Diazaido-2',3'-dideoxyadenosine, D-1-00115
- C₁₀H₁₁O₄P**
 Phenylphosphinediacetic acid, P-1-00092
- C₁₀H₁₂**
 1,4-Dimethylcubane, D-1-00380
 1-Methyl-3-(2-propenyl)benzene, M-1-00122
- C₁₀H₁₂Br₂**
 1,2-Bis(1-bromoethyl)benzene, B-1-00121
 1,4-Bis(1-bromoethyl)benzene, B-1-00122

- 1,3-Bis(bromomethyl)-2,4-dimethylbenzene, B-1-00131
2,5-Bis(bromomethyl)-1,3-dimethylbenzene, B-1-00132
- C₁₀H₁₂ClNO₂**
2-[(2-Chloroethyl)amino]benzoic acid; Me ester, *in* C-1-00092
- C₁₀H₁₂FN₅O₄**
1-(3-Azido-2,3-dideoxy-2-fluoro-β-D-arabinofuranosyl)thymine, A-1-00251
2'-Deoxy-2'-fluoroguanosine, D-1-00027
3'-Deoxy-3'-fluoroguanosine, D-1-00028
- C₁₀H₁₂F₄O₆**
2-Deoxy-2-fluorolxylose; Trifluoromethyl glycoside, di-Ac, *in* D-1-00032
2-Deoxy-2-fluorolxylose; Trifluoromethyl glycoside, di-Ac, *in* D-1-00041
- C₁₀H₁₂N₂**
2,3-Dihydro-1*H*-cycloheptapyrazine; *N*-Me, *in* D-1-00263
1,2-Dihydro-1,2-dimethylphthalazine, *in* D-1-00306
- C₁₀H₁₂N₂O**
3,4-Dihydro-3,3-dimethyl-2(1*H*)-quinoxalinone, D-1-00272
- C₁₀H₁₂N₂O₂**
1-Phenyl-1,2-butanedione; Dioxime, *in* P-1-00054
- C₁₀H₁₂N₂O₄**
2,3'-Anhydrothymidine, A-1-00234
- C₁₀H₁₂N₂O₅**
4-*tert*-Butyl-2,6-dinitrophenol, B-1-00420
- C₁₀H₁₂N₂O₈**
5-Uridinecarboxylic acid, U-1-00007
- C₁₀H₁₂N₄O₄**
Hexahydro-4*a*,4*b*-dimethylcyclobuta[1,2-*d*:4,3-*d'*]dipyrimidine-2,4,5,7(3*H*,6*H*)-tetrone, H-1-00037
- C₁₀H₁₂O**
Cyclopropylphenylmethanol, C-1-00223
1-Phenylcyclobutanol, P-1-00056
3-Phenylcyclobutanol, P-1-00057
1-Phenylcyclopropanemethanol, P-1-00062
3*a*,4,7,7*a*-Tetrahydro-4,7-methano-1*H*-inden-1-ol, T-1-00040
- C₁₀H₁₂OS**
4-(Phenylthio)-2-butanone, *in* M-1-00008
- C₁₀H₁₂OSe**
2-Methylselenobenzoic acid; Et ester, *in* M-1-00130
4-Methylselenobenzoic acid; Et ester, *in* M-1-00132
- C₁₀H₁₂O₂**
Benzyl propionate, *in* P-1-00131
2'-Hydroxy-3',4'-dimethylacetophenone, H-1-00077
2'-Hydroxy-3',5'-dimethylacetophenone, H-1-00078
2'-Hydroxy-4',5'-dimethylacetophenone, H-1-00079
2'-Hydroxy-4',6'-dimethylacetophenone, H-1-00080
4-Hydroxy-2',3'-dimethylacetophenone, H-1-00081
4'-Hydroxy-2',5'-dimethylacetophenone, H-1-00082
4'-Hydroxy-2',6'-dimethylacetophenone, H-1-00083
4'-Hydroxy-3',5'-dimethylacetophenone, H-1-00084
5'-Hydroxy-2',4'-dimethylacetophenone, H-1-00085
3-Hydroxy-1-phenyl-1-butanone, H-1-00167
- C₁₀H₁₂O₃**
4-(1-Hydroxyethyl)benzoic acid; Me ester, *in* H-1-00094
- C₁₀H₁₂O₄S₄**
2,3,6,7-Tetrakis(hydroxymethyl)tetra-thiafulvalene, T-1-00073
- C₁₀H₁₂S**
1,2,3,4-Tetrahydro-1-naphthalenethiol, T-1-00047
- C₁₀H₁₂S₄**
Tetramethyltetra-thiafulvalene, T-1-00090
- C₁₀H₁₂Se₄**
Tetramethyltetraselenafulvalene, T-1-00089
- C₁₀H₁₃BrO**
5-Bromo-2-adamantanone, B-1-00223
- C₁₀H₁₃BrO₆**
2-Bromo-2-deoxyaltrose; 1,6-Anhydro, 3,4-di-Ac, *in* B-1-00247
- C₁₀H₁₃ClNO₂P**
(4-Morpholinyl)phenylphosphinic acid; Chloride, *in* M-1-00137
- C₁₀H₁₃ClO₆**
2-Chloro-2-deoxyallose; 1,6-Anhydro, 3,4-di-Ac, *in* C-1-00035
3-Chloro-3-deoxyaltrose; 1,6-Anhydro, 2,4-di-Ac, *in* C-1-00038
- C₁₀H₁₃FN₂O₄**
1-(2,3-Dideoxy-2-fluoro-β-D-threo-pentofuranosyl)thymine, D-1-00217
- C₁₀H₁₃FO₆**
1,6-Anhydro-3-deoxy-3-fluoroidopyranose; Di-Ac, *in* A-1-00231
1,6-Anhydro-3-deoxy-3-fluoromannopyranose; Di-Ac, *in* A-1-00232
- C₁₀H₁₃F₈O₃P**
Bis(2,2,3,3-tetrafluoropropyl) (2-ethoxyethyl) phosphonite, *in* E-1-00011
- C₁₀H₁₃NO**
1,2,3,4-Tetramethyl-5-nitrosobenzene, T-1-00085
- C₁₀H₁₃NO₂**
5-Amino-4*H*-1,3-benzodioxin; *N*,*N*-Di-Me, *in* A-1-00055
3-Amino-2-phenylpropanoic acid; Me ester, *in* A-1-00198
2'-Hydroxy-3',5'-dimethylacetophenone; Oxime, *in* H-1-00078
2'-Hydroxy-4',5'-dimethylacetophenone; Oxime, *in* H-1-00079
- C₁₀H₁₃NO₂S**
3,4-Dihydro-1*H*-2,3-benzothiazine; *N*-Et, *S*,*S*-dioxide, *in* D-1-00261
- C₁₀H₁₃NO₃**
2-Amino-2-benzyl-3-hydroxypropanoic acid, A-1-00060
2'-Amino-4',5'-dimethoxyacetophenone, *in* A-1-00121
2-Amino-3-hydroxy-4-phenylbutanoic acid, A-1-00148
1-Nitro-2-adamantanone, N-1-00010
- C₁₀H₁₃NO₇**
2-β-D-Ribofuranosyl-4-oxazolecarboxylic acid; Me ester, *in* R-1-00003
- C₁₀H₁₃N₂O₇P**
Cyclic TMP, C-1-00186
- C₁₀H₁₃N₂O₈P**
Cyclic UMP; Me ester, *in* C-1-00187
- C₁₀H₁₃N₃O₆**
1,2,2-Trinitroadamantane, T-1-00252
- C₁₀H₁₃N₃O₇**
5-Uridinecarboxylic acid; Amide, *in* U-1-00007
- C₁₀H₁₃N₅O₄**
2'-Azido-2',3'-dideoxy-5-methyluridine, A-1-00253
- C₁₀H₁₃O₂P**
Phenyl ethylvinylphosphinate, *in* E-1-00031
- C₁₀H₁₃O₄P**
Dimethyl (phenylacetyl)phosphonate, *in* P-1-00041
- C₁₀H₁₃O₅P**
Dimethyl (4-methoxybenzoyl)phosphonate, *in* M-1-00013
- C₁₀H₁₃O₆**
3,4-Dihydroxy-1*H*-pyrrole-2,5-dicarboxylic acid; Di-Me ether, Di-Me ester, *in* D-1-00353
- C₁₀H₁₄**
Tetracyclo[3.3.1.1^{3,7}.0^{1,3}]decane, T-1-00013
- C₁₀H₁₄Br₂O₅**
2-Bromo-2,6-dideoxytalopyranosyl bromide; Di-Ac, *in* B-1-00277
- C₁₀H₁₄Br₄O₂P₂**
1,3-Adamantanediphosphonic acid; Bis(dibromide), *in* A-1-00037
- C₁₀H₁₄Cl₂O₅**
2-Chloro-2,6-dideoxytalopyranosyl chloride; Di-Ac, *in* C-1-00074
- C₁₀H₁₄Cl₄O₂P₂**
1,3-Adamantanediphosphonic acid; Bis(dichloride), *in* A-1-00037
- C₁₀H₁₄F₂O₅**
2-Deoxy-2-fluorofucopyranosyl fluoride; Di-Ac, *in* D-1-00021
- C₁₀H₁₄NO₃P**
(4-Morpholinyl)phenylphosphinic acid, M-1-00137
- C₁₀H₁₄NO₃PS₂**
S,S-Diethyl (4-nitrophenyl)phosphonodithioate, *in* N-1-00029
- C₁₀H₁₄N₂O₄S**
4'-Thiothymidine, T-1-00135
- C₁₀H₁₄N₆O₅**
3,6-Diamino-1,5-dihydro-1-β-D-ribofuranosyl-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one, D-1-00103
- C₁₀H₁₄O**
3,8-Decadiyn-1-ol, D-1-00002
1,4-Dimethylbicyclo[2.2.2]oct-5-en-2-one, D-1-00373
1,5-Dimethylbicyclo[2.2.2]oct-5-en-2-one, D-1-00374
- C₁₀H₁₄O₂**
2,6-Dimethyl-1,4-benzenedimethanol, D-1-00371
Idramantone, H-1-00053
2-Methyl-1-phenyl-1,3-propanediol, M-1-00109
2-Methyl-3-phenyl-1,2-propanediol, M-1-00110
- C₁₀H₁₄O₂S**
tert-Butyl phenyl sulfone, *in* B-1-00433
- C₁₀H₁₄O₄**
Bicyclo[3.1.0]hexane-6,6-dicarboxylic acid; Di-Me ester, *in* B-1-00090
1,2-Bis(2-hydroxyethoxy)benzene, B-1-00173
Glycol dimethacrylate, G-1-00007
- C₁₀H₁₄O₆**
2,5:3,4-Dianhydroaltritol; 1,6-Di-Ac, *in* D-1-00111
- C₁₀H₁₄S**
tert-Butyl phenyl sulfide, B-1-00433
- C₁₀H₁₄S₄**
3,6,9,14-Tetra-thia-bicyclo[9.2.1]tetradeca-11,13-diene, T-1-00103
- C₁₀H₁₅BrO₆**
2-Bromo-2-deoxyarabinose; Me glycoside, 3,5-di-Ac, *in* B-1-00250
2-Bromo-2-deoxyxylose; Me glycoside, di-Ac, *in* B-1-00257
2-Bromo-2-deoxyxylose; Me glycoside, di-Ac, *in* B-1-00270
3-Bromo-3-deoxyxylose; Me glycoside, di-Ac, *in* B-1-00271
5-Bromo-5-deoxyxylose; Me glycoside, di-Ac, *in* B-1-00273
- C₁₀H₁₅Br₂P**
1-Adamantylphosphonous acid; Dibromide, *in* A-1-00041

- C₁₀H₁₅ClO₃S**
Camphor-3-sulfonic acid; Chloride, *in* C-1-00001
- C₁₀H₁₅ClO₅**
5-Chloro-5-deoxyxylose; 1,2-*O*-Isopropylidene, 3-Ac, *in* C-1-00062
- C₁₀H₁₅ClO₆**
2-Chloro-2-deoxyarabinose; Me glycoside, 3,4-di-Ac, *in* C-1-00039
2-Chloro-2-deoxyarabinose; Me glycoside, 3,5-di-Ac, *in* C-1-00039
2-Chloro-2-deoxyxylose; Me glycoside, di-Ac, *in* C-1-00050
3-Chloro-3-deoxyxylose; Me glycoside, di-Ac, *in* C-1-00060
5-Chloro-5-deoxyxylose; Me glycoside, di-Ac, *in* C-1-00062
5-Chloro-5-deoxyxylose; Me glycoside, di-Ac, *in* C-1-00062
- C₁₀H₁₅F₂P**
1-Adamantylphosphonous acid; Difluoride, *in* A-1-00041
- C₁₀H₁₅IO₅**
5-Deoxy-5-iodoarabinose; 1,2-*O*-Isopropylidene, 3-Ac, *in* D-1-00051
5-Deoxy-5-iodoribose; 2,3-*O*-Isopropylidene, 1-Ac, *in* D-1-00066
5-Deoxy-5-iodoxylose; 1,2-*O*-Isopropylidene, 3-Ac, *in* D-1-00074
- C₁₀H₁₅IO₆**
2-Deoxy-2-iodoarabinose; Me glycoside, 3,4-di-Ac, *in* D-1-00049
2-Deoxy-2-iodoarabinose; Me glycoside, 3,4-di-Ac, *in* D-1-00049
2-Deoxy-2-iodoxylose; Me glycoside, di-Ac, *in* D-1-00058
3-Deoxy-3-iodoribose; 1,2-*O*-Isopropylidene, 5-methoxycarbonyl, *in* D-1-00065
2-Deoxy-2-iodoribose; Me glycoside, 3,4-di-Ac, *in* D-1-00064
2-Deoxy-2-iodoxylose; Me glycoside, di-Ac, *in* D-1-00071
3-Deoxy-3-iodoxylose; Me glycoside, di-Ac, *in* D-1-00072
- C₁₀H₁₅I₂P**
1-Adamantylphosphonous acid; Diiodide, *in* A-1-00041
- C₁₀H₁₅NO**
1-Amino-2-adamantanone, A-1-00050
1-(4-Aminophenyl)ethanol; *N,N*-Di-Me, *in* A-1-00194
1-(3-Aminophenyl)ethanol; *N*-Et, *in* A-1-00193
3-Amino-1-phenyl-1-propanol; *N*-Me, *in* A-1-00199
- C₁₀H₁₅NO₂**
(1-Ethylpropylidene)propanedioic acid; Mononitrile, Et ester, *in* E-1-00025
- C₁₀H₁₅N₇O₂**
2',3'-Diamino-2',3'-dideoxyadenosine, D-1-00094
- C₁₀H₁₅O₂PSSi**
2,2-Dimethyl-5-phenyl-1,3-dioxo-5-phospha-2-silacyclohexane; 5-Sulfide, *in* D-1-00456
- C₁₀H₁₅O₂PSeSi**
2,2-Dimethyl-5-phenyl-1,3-dioxo-5-phospha-2-silacyclohexane; 5-Selenide, *in* D-1-00456
- C₁₀H₁₅O₂PSi**
2,2-Dimethyl-5-phenyl-1,3-dioxo-5-phospha-2-silacyclohexane, D-1-00456
- C₁₀H₁₅O₃P**
(2-*tert*-Butylphenyl)phosphonic acid, B-1-00430
(3-*tert*-Butylphenyl)phosphonic acid, B-1-00431
(4-*tert*-Butylphenyl)phosphonic acid, B-1-00432
- C₁₀H₁₅O₆P**
Diethyl (2-hydroxy-4,6-dimethoxyphenyl)phosphonate, *in* T-1-00231
- C₁₀H₁₆BrNO₄**
1-Amino-2-bromocyclopropanecarboxylic acid; *N-tert*-Butyloxycarbonyl, Me ester, *in* A-1-00068
- C₁₀H₁₆BrN₂P**
P-(2-Bromophenyl)-*N,N,N',N'*-tetramethylphosphonous diamide, *in* B-1-00379
P-(3-Bromophenyl)-*N,N,N',N'*-tetramethylphosphonous diamide, *in* B-1-00380
P-(4-Bromophenyl)-*N,N,N',N'*-tetramethylphosphonous diamide, *in* B-1-00381
- C₁₀H₁₆NO₅P**
[1-Amino-(3,4-dimethoxyphenyl)ethyl]phosphonic acid, *in* A-1-00124
- C₁₀H₁₆N₂O**
3,3'-Oxybis[2,2-dimethylpropanoic acid]; Dinitrile, *in* O-1-00059
- C₁₀H₁₆O**
2,4,6-Trimethyl-3-cyclohexene-1-carboxaldehyde, T-1-00238
2,6,6-Trimethyl-1-cyclohexene-1-carboxaldehyde, T-1-00239
- C₁₀H₁₆O₂**
3-*tert*-Butylbicyclo[1.1.1]pentane-1-carboxylic acid, B-1-00413
3-Cyclohexyl-2-propenoic acid; Me ester, *in* C-1-00207
- C₁₀H₁₆O₃**
4-Oxo-7-decenoic acid, O-1-00041
10-Oxo-8-decenoic acid, O-1-00042
- C₁₀H₁₆O₄**
1,3-Cyclobutanedipropanoic acid, C-1-00189
- C₁₀H₁₆O₄S**
Camphor-3-sulfonic acid, C-1-00001
- C₁₀H₁₆O₈P₂**
Tetramethyl 2,5-dihydroxy-1,4-phenylenebisphosphonate, *in* D-1-00336
- C₁₀H₁₇B₂BrO₅**
Gulofuranosyl bromide; 2,3:5,6-Di-*O*-(ethylboranediyl), *in* G-1-00008
- C₁₀H₁₇BrO₅**
2-Bromo-2-deoxyaltrose; Me glycoside, 3,4-*O*-isopropylidene, *in* B-1-00247
- C₁₀H₁₇ClO₄**
6-Deoxygulopyranosyl chloride; 2,3-*O*-Isopropylidene, 4-Me, *in* D-1-00042
- C₁₀H₁₇ClO₅**
2-Chloro-2-deoxyallose; Me glycoside, 3,4-*O*-isopropylidene, *in* C-1-00035
- C₁₀H₁₇FO₅**
3-Deoxy-3-fluoroallose; Me glycoside, 4,6-*O*-isopropylidene, *in* D-1-00015
- C₁₀H₁₇I**
1-Iodo-1-decyne, I-1-00030
- C₁₀H₁₇IO₅**
6-Deoxy-6-iodomannose; Me glycoside, 2,3-*O*-isopropylidene, *in* D-1-00061
- C₁₀H₁₇NO₅**
5-Amino-5-deoxyarabinose; 1,2-*O*-Isopropylidene, *N*-Ac, *in* A-1-00101
5-Amino-5-deoxyxylose; 2,3-*O*-Isopropylidene, *N*-Ac, *in* A-1-00105
4-Amino-4-deoxyxylose; 1,2-*O*-Isopropylidene, *N*-Ac, *in* A-1-00110
5-Amino-5-deoxyxylose; 1,2-*O*-Isopropylidene, *N*-Ac, *in* A-1-00111
- C₁₀H₁₇OP**
1-Adamantylphosphine; Oxide, *in* A-1-00040
- C₁₀H₁₇O₂P**
1-Adamantylphosphonous acid, A-1-00041
- C₁₀H₁₇P**
1-Adamantylphosphine, A-1-00040
- C₁₀H₁₇PS**
1-Adamantylphosphine; Sulfide, *in* A-1-00040
- C₁₀H₁₇PSe**
1-Adamantylphosphine; Selenide, *in* A-1-00040
- C₁₀H₁₈**
1,5,5,6-Tetramethylcyclohexene, T-1-00080
- C₁₀H₁₈N₂O₅**
2,4-Diamino-2,4,6-trideoxyidose; 2*N*,4*N*-Di-Ac, *in* D-1-00110
- C₁₀H₁₈O**
4-Decenal, D-1-00010
1-Ethoxy-1-octyne, E-1-00012
4-Methoxy-4,6-dimethyl-1,5-heptadiene, *in* D-1-00407
2-Methylcyclononane, M-1-00056
5-Methylcyclononane, M-1-00057
Octahydro-4*a*(2*H*)-naphthalenol, O-1-00016
- C₁₀H₁₈O₂**
Bicyclo[2.2.2]octane-2,3-dimethanol, B-1-00096
2,4-Decanedione, D-1-00009
6-Decenoic acid, D-1-00011
4-(Dimethoxymethyl)-1-methylcyclohexene, *in* M-1-00050
2-(1-Ethylpropyl)-4,7-dihydro-1,3-dioxepin, E-1-00024
Octahydro-4*a*,8*a*-naphthalenediol, O-1-00015
- C₁₀H₁₈O₅**
3,3'-Oxybis[2,2-dimethylpropanoic acid], O-1-00059
- C₁₀H₁₈O₆P₂**
1,3-Adamantanediphosphonic acid, A-1-00037
- C₁₀H₁₈O₉**
4-*O*-β-*D*-Arabinopyranosyl-*D*-arabinose, A-1-00238
- C₁₀H₁₈P₂S**
3,5-Di-*tert*-butyl-1,2,4-thiadiphosphole, D-1-00173
- C₁₀H₁₉Br**
10-Bromo-1-decene, B-1-00244
- C₁₀H₁₉BrO**
10-Bromodecanal, B-1-00243
- C₁₀H₁₉Cl**
1-*tert*-Butyl-4-chlorocyclohexane, B-1-00414
- C₁₀H₁₉Cl₂P**
(*L*-Menthyl)phosphonous dichloride, *in* I-1-00078
- C₁₀H₁₉Cl₂PS**
(2-Isopropyl-5-methylcyclohexyl)phosphonothioic dichloride, I-1-00077
- C₁₀H₁₉F₂P**
(*L*-Menthyl)phosphonous difluoride, *in* I-1-00078
- C₁₀H₁₉IO**
10-Iododecanal, I-1-00028
- C₁₀H₁₉N**
Azacyclo-6-undecene, A-1-00242
- C₁₀H₁₉NO**
10-Methylazacyclodecan-2-one, M-1-00020
- C₁₀H₁₉NO₃**
3-Amino-5,5-dimethylhexanoic acid; *N*-Ac, *in* A-1-00127
- C₁₀H₁₉NO₉S₂**
4-Amino-4-deoxyarabinose; Me glycoside, 2,3-dimesyl, *N*-Ac, *in* A-1-00100
- C₁₀H₁₉N₂O₅P**
tert-Butyl diazo(diethoxyphosphinyl)acetate, *in* D-1-00117
- C₁₀H₁₉O₃P**
Diethyl (3,3-dimethyl-1-butynyl)phosphonate, *in* D-1-00379

- C₁₀H₁₉O₅P**
Diisopropyl (1-acetoxyethyl)phosphonate, *in* A-1-00006
Dipropyl (1-acetoxyethyl)phosphonate, *in* A-1-00006
- C₁₀H₂₀F₂O₆P₂**
1,2-Difluoro-1,2-ethylenediphosphonic acid; Tetra-Et ether, *in* D-1-00237
- C₁₀H₂₀F₃N₂P**
N,N,N',N'-Tetraethyl-*P*-(trifluoroethyl) phosphonous diamide, *in* T-1-00184
- C₁₀H₂₀IP**
1-Phosphabicyclo[4.4.0]decane; Methiodide, *in* P-1-00115
- C₁₀H₂₀NO₇P**
Amino(dimethoxyphosphinyl)acetic acid; *N-tert*-Butoxycarbonyl, Me ester, *in* A-1-00125
- C₁₀H₂₀N₂**
Decahydro-1,4-naphthalenediamine, D-1-00004
Decahydro-1,5-naphthalenediamine, D-1-00005
Decahydro-2,3-naphthalenediamine, D-1-00006
Decahydro-2,7-naphthalenediamine, D-1-00007
Octahydro-4*a*,8*a*-naphthalenediamine, O-1-00014
- C₁₀H₂₀N₂O₄**
Spermic acid, S-1-00003
- C₁₀H₂₀O**
Cimepanol, C-1-00203
Ferrugineone, M-1-00095
4-Methoxy-1-nonene, *in* N-1-00049
- C₁₀H₂₀OS**
Octanethioic acid; *S*-Et ester, *in* O-1-00023
- C₁₀H₂₀O₆**
Butyl mannoside, B-1-00426
- C₁₀H₂₀O₆P₂**
Tetraethyl 1,2-ethylenediylbisphosphonate, *in* E-1-00032
- C₁₀H₂₁BrO₂**
8-Bromo-1,1-dimethoxyoctane, *in* B-1-00360
- C₁₀H₂₁IO**
10-Iodo-1-decanol, I-1-00029
- C₁₀H₂₁NO₂**
3-Amino-5,5-dimethylhexanoic acid; Et ester, *in* A-1-00127
- C₁₀H₂₁NO₈S₂**
4-Amino-4-deoxylyxose; Me glycoside, *N,N*-di-Me, 2,3-dimesyl, *in* A-1-00104
- C₁₀H₂₁O₂P**
(2-Isopropyl-5-methylcyclohexyl)phosphonous acid, I-1-00078
- C₁₀H₂₁O₃P**
Diisopropyl (2-ethoxyethyl)phosphonite, *in* E-1-00011
Dipropyl (2-ethoxyethyl)phosphonite, *in* E-1-00011
- C₁₀H₂₂NO₃P**
Diethyl [1-(aminomethyl)-1-cyclopentyl] phosphonate, *in* A-1-00166
Diisopropyl [1-(aminomethyl)-1-cyclopropyl] phosphonate, *in* A-1-00167
- C₁₀H₂₂N₂O₂S**
1,2,5-Thiadiazolidine; *N,N'*-Di-*tert*-butyl, *S,S*-dioxide, *in* T-1-00108
- C₁₀H₂₂O**
Ferrugineol, M-1-00094
- C₁₀H₂₂O₂**
1,9-Decanediol, D-1-00008
- C₁₀H₂₂O₆P₂**
Tetraethyl 1,2-ethylenediylbisphosphonate, *in* E-1-00010
- C₁₀H₂₃N**
3-Octylamine; *N,N*-Di-Me, *in* O-1-00027
▶ 4-Propyl-4-heptylamine, P-1-00144
- C₁₀H₂₃N₂P**
3-(Diaminophosphinoyl)-*p*-menthane, D-1-00106
P-Ethyl-*N,N,N',N'*-tetraethylphosphonous amide, *in* V-1-00004
- C₁₀H₂₄P₂**
1,1-Di-*tert*-butyl-2,2-dimethyldiphosphine, D-1-00168
- C₁₁Cl₁₀**
1,2,3,4,5,6,8-Heptachloro-7-(trichloromethyl) naphthalene, H-1-00006
- C₁₁HCl₇O₂**
1,3,4,5,6,7,8-Heptachloro-2-naphthalenecarboxylic acid, H-1-00005
- C₁₁H₈N₂O₂**
1*H*-Pyrido[2,3-*b*]indole-5,8-dione, P-1-00173
5*H*-Pyrido[3,2-*b*]indole-6,9-dione, P-1-00174
5*H*-Pyrido[4,3-*b*]indole-6,9-dione, P-1-00175
- C₁₁H₈O₂**
1*H*-Cyclopropa[*b*]naphthalene-3,6-dione, C-1-00219
- C₁₁H₇NOS**
[1]Benzothiopyrano[3,2-*b*]pyrrol-9(1*H*)-one, B-1-00033
10*H*-Pyrrolo[1,2-*b*][1,2]benzothiazin-10-one, P-1-00187
- C₁₁H₇NO₂**
[1]Benzopyrano[4,3-*b*]pyrrol-4(1*H*)-one, B-1-00027
- C₁₁H₇NS**
(2-Pyridinyl)(2-thienyl)acetylene, P-1-00159
(2-Pyridinyl)(3-thienyl)acetylene, P-1-00160
(3-Pyridinyl)(2-thienyl)acetylene, P-1-00161
(3-Pyridinyl)(3-thienyl)acetylene, P-1-00162
- C₁₁H₇N₃**
1,1,1-Tricyano-2-phenylethane, *in* P-1-00069
- C₁₁H₇N₃O₂**
Imidazo[1,2-*a*]quinoxaline-2-carboxylic acid, I-1-00010
- C₁₁H₈ClNO₂**
3-Amino-4-chloro-3-cyclobutene-1,2-dione; *N*-Ph, *N*-Me, *in* A-1-00074
- C₁₁H₈F₃NO₂**
7-Amino-6-methyl-4-(trifluoromethyl)-2*H*-1-benzopyran-2-one, A-1-00184
- C₁₁H₈N₂**
1-Cyano-3-methylisoquinoline, *in* M-1-00080
4-Cyano-1-methylisoquinoline, *in* M-1-00079
3-Methyl-5-isoquinolinecarboxylic acid; Nitrile, *in* M-1-00081
- C₁₁H₈N₂O**
4-Benzoylpyridazine, B-1-00056
[2,2'-Bipyridine]-4-carboxaldehyde, B-1-00115
[2,2'-Bipyridine]-6-carboxaldehyde, B-1-00116
3-Methyl-1-isoquinolinecarboxylic acid; Nitrile, 2-oxide, *in* M-1-00080
- C₁₁H₈N₂O₄**
5-Nitro-1-isoquinolinecarboxylic acid; Me ester, *in* N-1-00020
- C₁₁H₈N₄O₄**
2-Amino-3,5-dinitropyridine; *N*-Ph, *in* A-1-00130
- C₁₁H₈OS₂**
1,3-Di-2-thienyl-2-propen-1-one, D-1-00535
- C₁₁H₈O₂**
3-Benzylidene-2(3*H*)-furanone, B-1-00069
- C₁₁H₈O₂S₂**
5,5'-Methylenebis-2-thiophenecarboxaldehyde, M-1-00063
- C₁₁H₈O₃**
3,8-Dihydroxy-1-naphthalenecarboxaldehyde, D-1-00346
5,8-Dihydroxy-1-naphthalenecarboxaldehyde, D-1-00347
6,8-Dihydroxy-1-naphthalenecarboxaldehyde, D-1-00348
- C₁₁H₈O₅**
7-Methoxy-4-oxo-4*H*-1-benzopyran-2-carboxylic acid, *in* H-1-00159
8-Methoxy-4-oxo-4*H*-1-benzopyran-2-carboxylic acid, *in* H-1-00160
4,5,7-Trihydroxy-2-naphthalenecarboxylic acid, T-1-00230
- C₁₁H₉BrN₂**
5-(Bromomethyl)-2,2'-bipyridine, B-1-00316
6-(Bromomethyl)-2,2'-bipyridine, B-1-00317
- C₁₁H₉BrO**
1-Bromo-2-naphthalenemethanol, B-1-00350
3-Bromo-2-naphthalenemethanol, B-1-00351
- C₁₁H₉ClN₂**
2-Chloro-4-methyl-6-phenylpyrimidine, C-1-00121
4-Chloro-2-methyl-6-phenylpyrimidine, C-1-00122
4-Chloro-6-methyl-2-phenylpyrimidine, C-1-00123
- C₁₁H₉F₃O₂**
3-[2-(Trifluoromethyl)phenyl]-2-propenoic acid; Me ester, *in* T-1-00208
- C₁₁H₉NO**
1,4-Dihydrocyclopent[*b*]indol-3(2*H*)-one, D-1-00265
3,4-Dihydrocyclopent[*b*]indol-1(2*H*)-one, D-1-00266
3,4-Dihydrocyclopent[*b*]indol-2(1*H*)-one, D-1-00267
- C₁₁H₉NO₂**
1-Methyl-3-isoquinolinecarboxylic acid, M-1-00078
1-Methyl-4-isoquinolinecarboxylic acid, M-1-00079
3-Methyl-1-isoquinolinecarboxylic acid, M-1-00080
3-Methyl-5-isoquinolinecarboxylic acid, M-1-00081
- C₁₁H₉N₃O**
4-Benzoylpyridazine; Oxime, *in* B-1-00056
- C₁₁H₁₀BrNO₂**
Methyl 6-bromo-1*H*-indole-3-acetate, *in* B-1-00304
- C₁₁H₁₀NO₂PS**
2-Phenyl-1,3,4-thiazaphosphole-5-carboxylic acid; Et ester, *in* P-1-00103
- C₁₁H₁₀N₂**
4-Benzylpyridazine, B-1-00074
5-Benzylpyrimidine, B-1-00075
2-Methyl-1*H*-indole-3-acetonitrile, *in* M-1-00073
1*H*-Pyrazolo[1,5-*a*]indole; *N*-Me, *in* P-1-00155
- C₁₁H₁₀N₂O**
1,4-Dihydrocyclopent[*b*]indol-3(2*H*)-one; Oxime, *in* D-1-00265
5,10-Dihydro-1*H*-pyrazolo[1,2-*b*]phthalazin-1-one, D-1-00324
5-(Hydroxymethyl)-2,2'-bipyridine, H-1-00113
6-(Hydroxymethyl)-2,2'-bipyridine, H-1-00114
- C₁₁H₁₀O₂**
3-Benzyl-2(5*H*)-furanone, B-1-00068
2,2-Dimethyl-1,3-indanedione, D-1-00414
3-Hydroxy-2-naphthalenemethanol, H-1-00153
4-Hydroxy-2-naphthalenemethanol, H-1-00154
8-Hydroxy-1-naphthalenemethanol, H-1-00155
2-Phenyl-4-pentynoic acid, P-1-00089
- C₁₁H₁₀O₂S**
3-(Ethylthio)-4*H*-1-benzopyran-4-one, *in* M-1-00007
- C₁₁H₁₀O₃**
4-Acetoxy-2-methylbenzofuran, *in* H-1-00105
5-Acetyl-4-methoxybenzofuran, *in* A-1-00030
Altechromone A, H-1-00086
Coixinden A, *in* H-1-00101
4-Hydroxy-6-methylbenzofuran; Ac, *in* H-1-00107
4-Hydroxy-7-methylbenzofuran; Ac, *in* H-1-00108

- (2-Methylphenyl)butanedioic acid; Anhydride, *in* M-1-00102
1-Oxo-2-indanecarboxylic acid; Me ester, *in* O-1-00046
- C₁₁H₁₀O₅**
5a,6,10,10a-Tetrahydro-1,4:6,10-diepoxy-2H-cyclohept[d]oxepin-5,9(1H,4H)dione, T-1-00033
- C₁₁H₁₀O₆**
2-Phenyl-1,1,1-ethanetricarboxylic acid, P-1-00069
- C₁₁H₁₀S**
2-Methyl-5-phenylthiophene, M-1-00114
3-Methyl-2-phenylthiophene, M-1-00115
4-Methyl-2-phenylthiophene, M-1-00116
- C₁₁H₁₀Te**
2-Methyl-1-benzotellurepin, M-1-00038
- C₁₁H₁₁Br**
1-Bromo-3-phenylbicyclo[1.1.1]pentane, B-1-00374
- C₁₁H₁₁BrO**
1-Bromo-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, B-1-00390
3-Bromo-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, B-1-00391
6-Bromo-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, B-1-00392
- C₁₁H₁₁ClO**
1-Chloro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, C-1-00165
2-Chloro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, C-1-00166
3-Chloro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one, C-1-00167
2-Indanecetic acid; Chloride, *in* I-1-00011
- C₁₁H₁₁FN₂O₂**
5-Fluorotryptophan, F-1-00060
6-Fluorotryptophan, F-1-00061
- C₁₁H₁₁FO₃**
3-(4-Fluorophenyl)-2-oxopropanoic acid; Et ester, *in* F-1-00053
- C₁₁H₁₁F₃O₂**
3-(Trifluoromethyl)benzeneacetic acid; Et ester, *in* T-1-00191
4-(Trifluoromethyl)benzeneacetic acid; Et ester, *in* T-1-00192
- C₁₁H₁₁I**
1-Cyclopropyl-4-iodocubane, C-1-00222
- C₁₁H₁₁IN₂O₂**
5-Iodotryptophan, I-1-00066
- C₁₁H₁₁N**
1,3-Dimethylisoquinoline, D-1-00432
1,4-Dimethylisoquinoline, D-1-00433
1,5-Dimethylisoquinoline, D-1-00434
1,6-Dimethylisoquinoline, D-1-00435
1,7-Dimethylisoquinoline, D-1-00436
1,8-Dimethylisoquinoline, D-1-00437
3,4-Dimethylisoquinoline, D-1-00438
3,5-Dimethylisoquinoline, D-1-00439
3,6-Dimethylisoquinoline, D-1-00440
4,5-Dimethylisoquinoline, D-1-00441
4,7-Dimethylisoquinoline, D-1-00442
5,7-Dimethylisoquinoline, D-1-00443
5,8-Dimethylisoquinoline, D-1-00444
6,8-Dimethylisoquinoline, D-1-00445
- C₁₁H₁₁NO**
3-Amino-2-naphthalenemethanol, A-1-00185
1,4-Dimethylisoquinoline; N-Oxide, *in* D-1-00433
5,8-Dimethylisoquinoline; N-Oxide, *in* D-1-00444
1-Phenyl-2-propyn-1-amine; N-Ac, *in* P-1-00095
- C₁₁H₁₁NO₂**
1-Benzoyl-2-pyrrolidinone, B-1-00057
3-Benzoyl-2-pyrrolidinone, B-1-00058
5-Benzoyl-2-pyrrolidinone, B-1-00059
2,3-Dihydro-4(1H)-quinolinone; N-Ac, *in* D-1-00328
- 4-(4-Ethoxyphenyl)-4-oxobutanenitrile, *in* H-1-00171
1-Indolizinecarboxylic acid; Et ester, *in* I-1-00015
2-Methyl-1H-indole-3-acetic acid, M-1-00073
Phensuximide, *in* P-1-00096
- C₁₁H₁₁NO₂S**
2,3-Dihydro-2-thioxo-1H-indole-3-acetic acid; N-Me, *in* D-1-00332
2,3-Dihydro-2-thioxo-1H-indole-3-acetic acid; Me ester, *in* D-1-00332
- C₁₁H₁₁NO₃**
3,4-Dihydro-6-hydroxy-1(2H)-isoquinolinone; O-Ac, *in* D-1-00285
3,4-Dihydro-7-hydroxy-1(2H)-isoquinolinone; O-Ac, *in* D-1-00286
- C₁₁H₁₁NO₄**
3-Amino-6,7-dimethoxy-2H-1-benzopyran-2-one, *in* A-1-00123
2-Oxo-5-oxazolidinecarboxylic acid; Benzyl ester, *in* O-1-00048
- C₁₁H₁₁N₃O**
N-(1H-Imidazol-1-ylmethyl)benzamide, *in* A-1-00171
- C₁₁H₁₂**
Cyclopropylcubane, C-1-00221
- C₁₁H₁₂CINO**
1-Chloro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one; Oxime, *in* C-1-00165
2-Chloro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one; Oxime, *in* C-1-00166
3-Chloro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-one; Oxime, *in* C-1-00167
- C₁₁H₁₂N₂**
4-Benzyl-1-methyl-1H-pyrazole, *in* B-1-00073
1-Phenyl-1H-pyrrole-2-methanamine, *in* A-1-00182
1,3,4,5-Tetrahydropyrrolo[4,3,2-de]quinoline; 1-Me, *in* T-1-00056
1,3,4,5-Tetrahydropyrrolo[4,3,2-de]quinoline; 5-Me, *in* T-1-00056
- C₁₁H₁₂N₂O**
2,3-Dihydro-1H-pyrazolo[1,2-b]phthalazin-5(10H)-one, D-1-00325
2-Methyl-1H-indole-3-acetamide, *in* M-1-00073
- C₁₁H₁₂N₂O₂**
3-Methyl-6-phenyl-2,5-piperazinedione, M-1-00108
- C₁₁H₁₂O**
2,2-Dimethyl-1-indanone, D-1-00415
2,3-Dimethyl-1-indanone, D-1-00416
2,4-Dimethyl-1-indanone, D-1-00417
2,5-Dimethyl-1-indanone, D-1-00418
2,6-Dimethyl-1-indanone, D-1-00419
2,7-Dimethyl-1-indanone, D-1-00420
3,3-Dimethyl-1-indanone, D-1-00421
3,4-Dimethyl-1-indanone, D-1-00422
3,6-Dimethyl-1-indanone, D-1-00423
3,7-Dimethyl-1-indanone, D-1-00424
4,5-Dimethyl-1-indanone, D-1-00425
4,6-Dimethyl-1-indanone, D-1-00426
4,7-Dimethyl-1-indanone, D-1-00427
5,6-Dimethyl-1-indanone, D-1-00428
5,7-Dimethyl-1-indanone, D-1-00429
6,7-Dimethyl-1-indanone, D-1-00430
2-Phenyl-2-pentenal, P-1-00088
- C₁₁H₁₂O₂**
2-Benzoyltetrahydrofuran, B-1-00060
2-Indanecetic acid, I-1-00011
- C₁₁H₁₂O₃**
1-(2,5-Dihydroxyphenyl)-3-methyl-2-buten-1-one, D-1-00350
- C₁₁H₁₂O₄**
2,3-Dihydro-6,7-dihydroxy-2,2-dimethyl-4H-1-benzopyran-4-one, D-1-00268
4-(4-Hydroxyphenyl)-4-oxobutanoic acid; Me ester, *in* H-1-00171
- 3-(3-Methoxy-4,5-methylenedioxyphenyl)-2-propen-1-ol, *in* T-1-00233
4-(4-Methoxyphenyl)-4-oxobutanoic acid, *in* H-1-00171
(2-Methylphenyl)butanedioic acid, M-1-00102
(4-Methylphenyl)butanedioic acid, M-1-00103
- C₁₁H₁₂S**
1-(Phenylthio)bicyclo[1.1.1]pentane, *in* B-1-00098
- C₁₁H₁₃NO**
3,3-Dimethyl-4-phenyl-2-azetidinone, D-1-00454
4-(Methoxymethyl)-2-methylindole, *in* M-1-00074
Pyrrolidine; N-Benzoyl, *in* P-1-00184
- C₁₁H₁₃NO₂**
3,4-Dihydro-6-methoxy-2-methyl-1(2H)-isoquinolinone, *in* D-1-00285
1,2,3,4,4a,10a-Hexahydro[1,4]benzodioxino[2,3-c]pyridine, H-1-00034
1,2,3,4-Tetrahydro-4-methyl-3-isoquinolinecarboxylic acid, T-1-00041
1,2,3,4-Tetrahydro-5-methyl-3-isoquinolinecarboxylic acid, T-1-00042
- C₁₁H₁₃NO₄**
2-(Hydroxymethyl)-3-pyridinecarboxylic acid; Ac, Et ester, *in* H-1-00131
3-(Hydroxymethyl)-2-pyridinecarboxylic acid; Ac, Et ester, *in* H-1-00133
6-(Hydroxymethyl)-2-pyridinecarboxylic acid; Ac, Et ester, *in* H-1-00139
6-(Hydroxymethyl)-3-pyridinecarboxylic acid; Ac, Et ester, *in* H-1-00140
- C₁₁H₁₃N₂O₉P**
Cyclic UMP; 2'-Ac, *in* C-1-00187
- C₁₁H₁₄CINO₂**
4-[(2-Chloroethyl)amino]benzoic acid; Et ester, *in* C-1-00093
- C₁₁H₁₄FN₅O₂**
2'-Deoxy-2'-fluoro-*ara*-aristeromycin, D-1-00018
- C₁₁H₁₄F₃O₃P**
Diethyl [3-(trifluoromethyl)phenyl]phosphonate, *in* T-1-00185
- C₁₁H₁₄N₂**
2,3,5,10-Tetrahydro-1H-pyrazolo[1,2-b]phthalazine, T-1-00054
- C₁₁H₁₄N₂O₅**
5-*tert*-Butyl-2-methoxy-1,3-dinitrobenzene, *in* B-1-00420
2',3'-Dideoxyuridine; 5'-Ac, *in* D-1-00220
- C₁₁H₁₄N₄O₄**
9-Deazaadenosine, D-1-00001
- C₁₁H₁₄O**
Cyclopropylmethoxyphenylmethane, *in* C-1-00223
1,2,3,4-Tetrahydro-1-methyl-2-naphthol, T-1-00043
- C₁₁H₁₄O₂**
2-Ethoxy-5-(1-propenyl)phenol, *in* P-1-00132
2'-Methoxy-3',4'-dimethylacetophenone, *in* H-1-00077
2'-Methoxy-3',5'-dimethylacetophenone, *in* H-1-00078
2'-Methoxy-4',5'-dimethylacetophenone, *in* H-1-00079
2'-Methoxy-4',6'-dimethylacetophenone, *in* H-1-00080
4'-Methoxy-2',3'-dimethylacetophenone, *in* H-1-00081
4'-Methoxy-2',5'-dimethylacetophenone, *in* H-1-00082
4'-Methoxy-2',6'-dimethylacetophenone, *in* H-1-00083
4'-Methoxy-3',5'-dimethylacetophenone, *in* H-1-00084
5'-Methoxy-2',4'-dimethylacetophenone, *in* H-1-00085

- C₁₁H₁₄O₂S**
[(3-Methylphenyl)thio]acetic acid; Et ester, *in* M-1-00112
[(4-Methylphenyl)thio]acetic acid; Et ester, *in* M-1-00113
- C₁₁H₁₄O₃**
4-(1-Hydroxyethyl)benzoic acid; Et ester, *in* H-1-00094
- C₁₁H₁₅Br**
1-Bromo-4-methyleneadamantane, B-1-00328
- C₁₁H₁₅BrO₇**
Xylofuranosyl bromide; Tri-Ac, *in* X-1-00001
- C₁₁H₁₅ClO₇**
2-Chloro-2-deoxyarabinose; Tri-Ac, *in* C-1-00039
- C₁₁H₁₅FO₇**
Xylofuranosyl fluoride; Tri-Ac, *in* X-1-00002
Xylopyranosyl fluoride; Tri-Ac, *in* X-1-00003
- C₁₁H₁₅IO₇**
5-Deoxy-5-iodoribose; Tri-Ac, *in* D-1-00066
- C₁₁H₁₅N**
2-Benzylpyrrolidine, B-1-00076
3-Benzylpyrrolidine, B-1-00077
Pyrrolidine; *N*-Benzyl, *in* P-1-00184
- C₁₁H₁₅NO**
1,2,3,4-Tetrahydro-4-hydroxy-2,6-dimethylquinoline, T-1-00037
- C₁₁H₁₅NO₂**
2-Amino-2-ethyl-3-phenylpropanoic acid, A-1-00134
- C₁₁H₁₅NO₂S**
3,4-Dihydro-1*H*-2,3-benzothiazine; *N*-Isopropyl, *S,S*-dioxide, *in* D-1-00261
- C₁₁H₁₅N₂O₇P**
Thymidine cyclic 3',5'-(methylphosphate), *in* C-1-00186
- C₁₁H₁₆BrCl**
2-Bromo-1-(chloromethyl)adamantane, B-1-00237
- C₁₁H₁₆ClO₃P**
Diethyl (α -chlorobenzyl)phosphonate, *in* C-1-00024
- C₁₁H₁₆NO₂[⊕]**
5-Amino-4*H*-1,3-benzodioxin; *N,N,N*-Tri-Me, *in* A-1-00055
- C₁₁H₁₆NO₃P**
Methyl (4-morpholinyl)phenylphosphinate, *in* M-1-00137
- C₁₁H₁₆N₂**
7,8,8-Trimethyl-4,5,6,7-tetrahydro-4,7-methano-1(2*H*)-indazole, T-1-00249
- C₁₁H₁₆N₂O₂**
2,4-Diamino-2-benzylbutanoic acid, D-1-00083
- C₁₁H₁₆O**
1,4,5,6,7,7*a*-Hexahydro-4,7*a*-dimethyl-2*H*-inden-2-one, H-1-00038
1,4,5,6,7,7*a*-Hexahydro-7,7*a*-dimethyl-2*H*-inden-2-one, H-1-00039
3,3*a*,4,5,6,7-Hexahydro-1,3*a*-dimethyl-2*H*-inden-2-one, H-1-00040
4-Pentylphenol, P-1-00029
3,9-Undecadiyn-1-ol, U-1-00001
4,9-Undecadiyn-1-ol, U-1-00002
- C₁₁H₁₆O₃S**
3-Hydroxy-2-thiophenecarboxylic acid; *O*-*tert*-Butyl, Et ester, *in* H-1-00173
- C₁₁H₁₆O₄**
Bicyclo[4.1.0]heptane-7,7-dicarboxylic acid; Di-Me ester, *in* B-1-00083
- C₁₁H₁₇ClO₆**
2-Chloro-2-deoxyarabinose; Et glycoside, 3,5-di-Ac, *in* C-1-00039
- C₁₁H₁₇IO₆**
6-Deoxy-6-iodosorbose; 2,3-*O*-Isopropylidene, 1-Ac, *in* D-1-00068
- C₁₁H₁₇N**
2,2-Dimethyl-1-phenyl-1-propylamine, D-1-00463
2-Methyl-4-phenyl-1-butylamine, M-1-00104
- C₁₁H₁₇NO₇**
5-Amino-5-deoxyribose; 3,4,5*N*-Tri-Ac, *in* A-1-00109
- C₁₁H₁₇O₅P**
Diethyl (2-hydroxy-6-methoxyphenyl)phosphonate, *in* D-1-00351
- C₁₁H₁₈NO₂P**
Ethyl (3-aminopropyl)phenylphosphinate, *in* A-1-00202
- C₁₁H₁₈N₂O₂**
1*H*-Imidazole-1-octanoic acid, I-1-00005
- C₁₁H₁₈O**
Bicyclo[4.4.1]undecan-11-one, B-1-00100
3,7-Dimethyl-2,6-nonadienal, D-1-00450
8,8-Dimethyltricyclo[4.2.1.0^{3,7}]nonan-6-ol, D-1-00470
6-Undecyn-5-one, U-1-00006
- C₁₁H₁₈O₂**
3-Cyclohexyl-2-propenoic acid; Et ester, *in* C-1-00207
2,6-Dimethyl-1,5-heptadien-4-ol; Ac, *in* D-1-00405
- C₁₁H₁₈O₃**
4-Oxo-7-decenoic acid; Me ester, *in* O-1-00041
10-Oxo-8-decenoic acid; Me ester, *in* O-1-00042
- C₁₁H₁₈O₄**
1,2-Cycloheptanedicarboxylic acid; Di-Me ester, *in* C-1-00192
- C₁₁H₁₈O₅**
3-Oxoheptanedioic acid; Diethyl ester, *in* O-1-00045
- C₁₁H₁₈O₆**
1,1,1-Ethanetricarboxylic acid; Tri-Et ester, *in* E-1-00009
- C₁₁H₁₉ClO₆**
5-Chloro-5-deoxyidose; 1,2-*O*-Isopropylidene, 6-(methoxymethyl), *in* C-1-00048
- C₁₁H₁₉IO₇S**
6-Deoxy-6-iodomannose; Me glycoside, 2,3-*O*-isopropylidene, 4-mesyl, *in* D-1-00061
- C₁₁H₁₉IO₉S₂**
3-Deoxy-3-iodoallose; 1,2-*O*-Isopropylidene, 5,6-dimesyl, *in* D-1-00043
- C₁₁H₁₉NO₇S**
5-Amino-5-deoxyarabinose; 1,2-*O*-Isopropylidene, 3-mesyl, *N*-Ac, *in* A-1-00101
- C₁₁H₁₉N₃O₅**
2,3,5-Triamino-2,3,5-trideoxyarabinose; 2*N*,3*N*,5*N*-Tri-Ac, *in* T-1-00139
2,3,5-Triamino-2,3,5-trideoxyribose; 2*N*,3*N*,5*N*-Tri-Ac, *in* T-1-00141
2,3,5-Triamino-2,3,5-trideoxyribose; 2*N*,3*N*,5*N*-Tri-Ac, *in* T-1-00141
- C₁₁H₂₀N₂O₅**
2,4-Diamino-2,4,6-trideoxyidose; Me glycoside, 2*N*,4*N*-di-Ac, *in* D-1-00110
- C₁₁H₂₀N₂O₆**
2,3-Diamino-2,3-dideoxyidose; Me glycoside, 2*N*,3*N*-di-Ac, *in* D-1-00096
2,4-Diamino-2,4-dideoxyidose; Me glycoside, 2*N*,4*N*-di-Ac, *in* D-1-00097
2,3-Diamino-2,3-dideoxymannose; Me glycoside, 2*N*,3*N*-di-Ac, *in* D-1-00099
- C₁₁H₂₀O**
3,7-Dimethyl-1,6-nonadien-3-ol, D-1-00451
4-Ethoxy-4,6-dimethyl-1,5-heptadiene, *in* D-1-00407
1-Undecen-5-one, U-1-00003
- C₁₁H₂₀O₂**
4,7-Dihydro-2-methyl-2-(3-methylbutyl)-1,3-dioxepin, D-1-00304
- C₁₁H₂₁BrO₂**
9-Bromo-1-nonanol; Ac, *in* B-1-00358
- C₁₁H₂₁FO₂**
2-Fluoroundecanoic acid, F-1-00062
- C₁₁H₂₁IO₄Si**
5-Deoxy-5-iodoxylose; 1,2-*O*-Isopropylidene, 3-trimethylsilyl, *in* D-1-00074
- C₁₁H₂₂**
Hexylcyclopentane, H-1-00049
2,2,6,6-Tetramethyl-3-heptene, T-1-00083
- C₁₁H₂₂CIP**
Methyl(2-isopropyl-5-methylcyclohexyl)phosphinyl chloride, M-1-00077
- C₁₁H₂₂CIPS**
Methyl (2-isopropyl-5-methylcyclohexyl)phosphinothioic chloride, M-1-00076
- C₁₁H₂₃Br**
1-Bromoundecane, B-1-00404
- C₁₁H₂₃NO₄S₂**
5-Amino-5-deoxyarabinose; 1-Diethylthioacetal, *N*-Ac, *in* A-1-00101
- C₁₁H₂₄NO₃P**
Diethyl [1-(aminomethyl)-1-cyclohexyl]phosphonate, *in* A-1-00165
Diisopropyl [1-(aminomethyl)-1-cyclobutyl]phosphonate, *in* A-1-00164
- C₁₁H₂₄O₂**
2,2,6,6-Tetramethyl-3,5-heptanediol, T-1-00082
- C₁₁H₂₅O₆P**
Diethyl [(triethoxy)methyl]phosphonate, *in* T-1-00180
- C₁₁H₂₇O₇P₃**
Tetraethyl [(methylphosphinylidene)dimethylene]diphosphonate, *in* M-1-00118
- C₁₂F₁₀**
Decafluorobiphenyl, D-1-00003
- C₁₂F₂₅I**
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentacosafuoro-12-iodododecane, P-1-00007
- C₁₂HF₉O**
2,2',3,3',4,5,5',6,6'-Nonafluoro-4'-hydroxybiphenyl, N-1-00045
- C₁₂HF₂₃O₂**
Tricosafuorododecanoic acid, T-1-00166
- C₁₂H₃Cl₇O₂**
1,3,4,5,6,7,8-Heptachloro-2-naphthalenecarboxylic acid; Me ester, *in* H-1-00005
- C₁₂H₆Br₂S₃**
5,5''-Dibromo-2,2':5',2''-terthiophene, D-1-00162
- C₁₂H₆Cl₄[⊕]**
Bis(2,4-dichlorophenyl)iodonium(1+), B-1-00145
- C₁₂H₆Cl₅I**
► Feniodium chloride, *in* B-1-00145
- C₁₂H₆F₁₂O₂**
 $\alpha,\alpha,\alpha',\alpha'$ -Tetrakis(trifluoromethyl)-1,3-benzenedimethanol, T-1-00074
- C₁₂H₆F₁₆O₄**
Hexadecafluorodecanedioic acid; Di-Me ester, *in* H-1-00025
- C₁₂H₆N₂O**
5,8-Dicyano-1-naphthol, *in* H-1-00151
5,8-Dicyano-2-naphthol, *in* H-1-00152
- C₁₂H₆OS₅**
8-(1,3-Dithio-2-ylidene)-8*H*-dithieno[3,2-*b*:2',3'-*e*]thiopyran; 4-Oxide, *in* D-1-00542
- C₁₂H₆S₂**
Naphtho[1,8-*bc*:5,4-*b'*,*c'*]dithiophene, N-1-00005

- C₁₂H₆S₅**
8-(1,3-Dithio-2-ylidene)-8*H*-dithieno[3,2-*b*:2',3'-*e*]thiopyran, D-1-00542
- C₁₂H₆S₇**
2-(1,3-Dithiol-2-ylidene)-5-(4*H*-thiopyran-4-ylidene)[1,3]dithiol[4,5-*d*]-1,3-dithiole, D-1-00541
- C₁₂H₇BrS₃**
5-Bromo-2,2':5',2''-terthiophene, B-1-00389
- C₁₂H₇ClN₂**
4-Chlorobenzo[*c*][2,7]naphthyridine, C-1-00015
- C₁₂H₇N**
2-Benzylpyrrolidine; *N*-Me, in B-1-00076
- C₁₂H₇NO₃**
1*H*-Benzopyrano[3,2-*b*]pyridine-4,10-dione, B-1-00025
2*H*-[1]Benzopyrano[4,3-*b*]pyridine-2,5(1*H*)-dione, B-1-00026
▶ 2-Nitronaphtho[1,8-*b**c*]pyran, N-1-00026
- C₁₂H₇NO₆**
6-Nitro-2,3-naphthalenedicarboxylic acid, N-1-00025
- C₁₂H₈BrI**
3'-Bromo-2-iodobiphenyl, B-1-00306
- C₁₂H₈Br₂ClP**
Bis(3-bromophenyl)chlorophosphine, in B-1-00135
Bis(4-bromophenyl)chlorophosphine, in B-1-00136
- C₁₂H₈ClF₂P**
Bis(3-fluorophenyl)phosphinous chloride, B-1-00169
Chlorobis(4-fluorophenyl)phosphine, in B-1-00167
- C₁₂H₈Cl₂N₄O₃S₂**
4-Chloro-2-mercapto-5-pyrimidinedicarboxylic acid; *S*-Me, anhydride, in C-1-00115
- C₁₂H₈F₂OS**
1,1-Sulfinylbis[4-fluorobenzene], in B-1-00170
- C₁₂H₈F₂O₂S**
1,1-Sulfonylbis[4-fluorobenzene], in B-1-00170
- C₁₂H₈F₂S**
Bis(4-fluorophenyl)sulfide, B-1-00170
- C₁₂H₈F₂Te₂**
Bis(4-fluorophenyl)ditelluride, B-1-00164
- C₁₂H₈N₂OS**
Pyrido[2,3-*b*][1,4]benzothiazepin-6(5*H*)-one, P-1-00168
Pyrido[4,3-*b*][1,4]benzothiazepin-10(11*H*)-one, P-1-00169
- C₁₂H₈N₂O₂**
Ailanindole, A-1-00043
Pyrido[2,3-*b*][1,5]benzoxazepin-5(6*H*)-one, P-1-00170
Pyrido[2,3-*b*][1,4]benzoxepin-6(5*H*)-one, P-1-00171
- C₁₂H₈O**
Azuleno[1,2-*b*]furan, A-1-00261
Azuleno[4,5-*c*]furan, A-1-00262
- C₁₂H₈O₂S₂**
1,4-Di-2-thienyl-2-butene-1,4-dione, D-1-00534
- C₁₂H₈O₄S₂**
2,3,7,8-Thianthrethetrol, T-1-00109
- C₁₂H₈O₅**
5-Hydroxy-1,4-naphthalenedicarboxylic acid, H-1-00151
6-Hydroxy-1,4-naphthalenedicarboxylic acid, H-1-00152
- C₁₂H₈S₂**
2-Phenylthieno[2,3-*b*]thiophene, P-1-00107
2-Phenylthieno[3,2-*b*]thiophene, P-1-00109
3-Phenylthieno[2,3-*b*]thiophene, P-1-00108
3-Phenylthieno[3,2-*b*]thiophene, P-1-00110
- C₁₂H₉BrO**
2-Bromodiphenyl ether, B-1-00285
3-Bromodiphenyl ether, B-1-00286
- C₁₂H₉Br₂OP**
Bis(3-bromophenyl)phosphinous acid, B-1-00135
Bis(4-bromophenyl)phosphinous acid, B-1-00136
- C₁₂H₉ClN₃OP**
(4-Chlorophenyl)phenylphosphinic acid; Azide, in C-1-00154
- C₁₂H₉Cl₂OP**
(4-Chlorophenyl)phenylphosphinic acid; Chloride, in C-1-00154
- C₁₂H₉FO**
1-Acetyl-4-fluoronaphthalene, A-1-00029
- C₁₂H₉F₂OP**
Bis(3-fluorophenyl)phosphinous acid, B-1-00166
Bis(4-fluorophenyl)phosphinous acid, B-1-00167
- C₁₂H₉NO**
3-Nitrosobiphenyl, N-1-00037
4-Nitrosobiphenyl, N-1-00038
2*H*-Pyran[2,3-*b*]quinoline, P-1-00153
- C₁₂H₉NO₂**
[1]Benzopyrano[4,3-*b*]pyrrol-4(1*H*)-one; *N*-Me, in B-1-00027
9*H*-Carbazole-1,2-diol, C-1-00002
9*H*-Carbazole-1,4-diol, C-1-00003
9*H*-Carbazole-2,7-diol, C-1-00004
9*H*-Carbazole-3,6-diol, C-1-00005
- C₁₂H₉NS**
2-(2-Thienyl)-1*H*-indole, T-1-00130
3-(2-Thienyl)-1*H*-indole, T-1-00131
- C₁₂H₁₀BrN**
6*H*-Pyrido[2,1-*a*]isoindolium(1+); Bromide, in P-1-00176
- C₁₂H₁₀CINO**
2-Amino-2'-chlorodiphenyl ether, A-1-00075
2-Amino-3'-chlorodiphenyl ether, A-1-00076
2-Amino-4'-chlorodiphenyl ether, A-1-00077
4-Amino-4'-chlorodiphenyl ether, A-1-00078
- C₁₂H₁₀CINO₃**
6-Chloro-4-hydroxy-3-quinolinecarboxylic acid; Et ester, in C-1-00109
7-Chloro-4-hydroxy-3-quinolinecarboxylic acid; Et ester, in C-1-00110
- C₁₂H₁₀CINO₄**
6*H*-Pyrido[2,1-*a*]isoindolium(1+); Perchlorate, in P-1-00176
- C₁₂H₁₀ClO₂P**
(4-Chlorophenyl)phenylphosphinic acid, C-1-00154
- C₁₂H₁₀FNO**
1-Acetyl-4-fluoronaphthalene; Oxime, in A-1-00029
- C₁₂H₁₀F₂NP**
P,P-Bis(3-fluorophenyl)phosphinous amide, B-1-00168
- C₁₂H₁₀N[⊕]**
6*H*-Pyrido[2,1-*a*]isoindolium(1+), P-1-00176
- C₁₂H₁₀N₂**
2-Methyl- δ -carboline, M-1-00041
4-Methyl- δ -carboline, M-1-00042
- C₁₂H₁₀N₂O**
Phenaclypyrazine, P-1-00033
- C₁₂H₁₀N₄**
2-Amino-6-phenylimidazo[4,5-*b*]pyridine, A-1-00195
- C₁₂H₁₀O**
3,4-Dihydro-7-ethynyl-2(1*H*)-naphthalenone, D-1-00279
- C₁₂H₁₀O₂**
2-(Phenylacetyl)furan, P-1-00040
3,3'-(1,4-Phenylene)bis-2-propenal, P-1-00066
- C₁₂H₁₀O₄**
▶ Acifran, D-1-00305
- C₁₂H₁₀O₄S₃**
Bis(phenylsulfonyl)sulfide, B-1-00199
- C₁₂H₁₀P₂Se₄**
2,4-Diphenyl-1,3,2,4-diselenadiphosphetane 2,4-diselenide, D-1-00498
- C₁₂H₁₀S₂**
2-(2,4,6,8-Cyclononatetraen-1-ylidene)-1,3-dithiole, C-1-00209
- C₁₂H₁₁N**
2-(2-Propenyl)quinoline, P-1-00140
3-(2-Propenyl)quinoline, P-1-00141
4-(2-Propenyl)quinoline, P-1-00142
8-(2-Propenyl)quinoline, P-1-00143
- C₁₂H₁₁NO**
3-Acetyl-4-phenylpyrrole, A-1-00031
4-Acetyl-2-phenylpyrrole, A-1-00032
1*H*-1-Benzazepine; *N*-Ac, in B-1-00001
1,4-Dihydro-4-methylcyclopent[*b*]indol-3(2*H*)-one, in D-1-00265
3,4-Dihydro-4-methylcyclopent[*b*]indol-1(2*H*)-one, in D-1-00266
8,9-Dihydropyrido[1,2-*a*]indol-6(7*H*)-one, D-1-00326
- C₁₂H₁₁NO₂**
1,2,3,5,10,10*a*-Hexahydropyrrolo[1,2-*b*]isoquinoline-3,10-dione, H-1-00046
1-Methyl-3-isoquinolinecarboxylic acid; Me ester, in M-1-00078
- C₁₂H₁₁NO₃**
1,2-Dihydro-2-oxocyclohepta[*b*]pyrrole-3-carboxylic acid; Et ester, in D-1-00318
- C₁₂H₁₁NO₅**
3-Amino-6,7-dihydroxy-2*H*-1-benzopyran-2-one; Di-Me ether, *N*-formyl, in A-1-00123
- C₁₂H₁₂Cl₆**
Hexakis(chloromethyl)benzene, H-1-00047
- C₁₂H₁₂N₂O**
3,4-Dihydrocyclopent[*b*]indol-1(2*H*)-one; *N*-Me, oxime, in D-1-00266
- C₁₂H₁₂N₂OS**
▶ Metulfovax, in D-1-00469
- C₁₂H₁₂N₂O₂**
3-Amino-4-isoquinolinecarboxylic acid; Et ester, in A-1-00157
1,2,3,5,10,10*a*-Hexahydropyrrolo[1,2-*b*]isoquinoline-3,10-dione; 10-Oxime (*Z*-), in H-1-00046
- C₁₂H₁₂N₆O₄**
1,6-Dihydro-1,3,6,8-tetramethylpyrimido[4,5-*g*]pteridine-2,4,7,9(3*H*,8*H*)-tetrone, in P-1-00179
- C₁₂H₁₂O**
4-Phenyl-3-cyclohexen-1-one, P-1-00060
- C₁₂H₁₂O₂**
8-Methoxy-1-naphthalenemethanol, in H-1-00155
- C₁₂H₁₂O₃**
1-Oxo-2-indanecarboxylic acid; Et ester, in O-1-00046
- C₁₂H₁₂O₄**
3-Benzoyloxy-5-hydroxymethyl-2(5*H*)-furanone, in H-1-00099
- C₁₂H₁₃BrO₄**
4-Bromo-4-deoxyxylose; 1,2-*O*-Benzylidene, in B-1-00272
- C₁₂H₁₃ClO**
1,2,3,4-Tetrahydro-2-naphthaleneacetic acid; Chloride, in T-1-00046
- C₁₂H₁₃FO₃**
4-(4-Fluorophenyl)-4-oxobutanoic acid; Et ester, in F-1-00052
- C₁₂H₁₃N**
1*H*-1-Benzazepine; *N*-Et, in B-1-00001

- C₁₂H₁₃NO**
1*H*-1-Benzazepine; 2,3-Dihydro, *N*-Ac, in B-1-00001
4-Phenyl-3-cyclohexen-1-one; Oxime, in P-1-00060
- C₁₂H₁₃NO₂**
3-Benzoyl-2-pyrrolidinone; *N*-Me, in B-1-00058
5-Benzoyl-2-pyrrolidinone; *N*-Me, in B-1-00059
2-Methyl-1*H*-indole-3-acetic acid; Me ester, in M-1-00073
- C₁₂H₁₃NO₂S**
2,3-Dihydro-2-thioxo-1*H*-indole-3-acetic acid; *N*-Me, Me ester, in D-1-00332
- C₁₂H₁₃N₃O₂**
▶ Triaziquone, T-1-00145
- C₁₂H₁₃N₃O**
2,4-Diamino-6-benzyl-1,3,5-triazine; *N*-Ac, in D-1-00084
- C₁₂H₁₃O₆**
3,4-Diethoxy-1*H*-pyrrole-2,5-dicarboxylic acid, in D-1-00353
- C₁₂H₁₄**
3,3,6,6-Tetramethyl-1,4,7-octatriene, T-1-00086
- C₁₂H₁₄N₂**
Newbouldine†, N-1-00008
- C₁₂H₁₄N₂O**
4'-Hydroxynewbouldine, in N-1-00008
- C₁₂H₁₄N₂O₂**
Cyclo(histidylhistidyl), C-1-00208
- C₁₂H₁₄O**
3,4-Dihydro-4,4-dimethyl-2(1*H*)-naphthalene, D-1-00271
11,12,13-Trinor-7-calamenone, T-1-00254
- C₁₂H₁₄O₂**
2-Benzoyltetrahydro-2*H*-pyran, B-1-00061
2-Indaneacetic acid; Me ester, in I-1-00011
3*a*,4,7,7*a*-Tetrahydro-4,7-methano-1*H*-inden-1-ol; Ac, in T-1-00040
1,2,3,4-Tetrahydro-2-naphthaleneacetic acid, T-1-00046
- C₁₂H₁₄O₃**
3-Benzylidihydro-5-(hydroxymethyl)-2(3*H*)-furanone, B-1-00065
1-(2-Hydroxy-5-methoxyphenyl)-3-methyl-2-buten-1-one, in D-1-00350
- C₁₂H₁₄O₄**
2,3-Dihydro-6-hydroxy-7-methoxy-2,2-dimethyl-4*H*-1-benzopyran-4-one, in D-1-00268
2,3-Dihydro-7-hydroxy-6-methoxy-2,2-dimethyl-4*H*-1-benzopyran-4-one, in D-1-00268
▶ 4-(4-Ethoxyphenyl)-4-oxobutanoic acid, in H-1-00171
4-(4-Hydroxyphenyl)-4-oxobutanoic acid; Et ester, in H-1-00171
- C₁₂H₁₅BrO₄**
4-Bromo-4-deoxyxose; Benzyl glycoside, in B-1-00259
- C₁₂H₁₅IO₄**
3-Deoxy-3-iodoxylose; Benzyl glycoside, in D-1-00072
- C₁₂H₁₅NO₂**
4-Benzyl-2-pyrrolidinecarboxylic acid, B-1-00078
- C₁₂H₁₅NO₃**
4-Amino-4-deoxyxose; Benzyl glycoside, 2,3-anhydro, in A-1-00104
4-Amino-4-deoxyribose; Benzyl glycoside, 2,3-anhydro, in A-1-00108
Benzyl 2,3-anhydro-4-amino-4-deoxy- α -D-xylopyranoside, in A-1-00110
Benzyl 2,3-anhydro-4-amino-4-deoxy- β -L-xylopyranoside, in A-1-00110
1,3-Dihydro-3,3-dimethoxy-2*H*-indol-2-one; *N*-Et, in D-1-00269
- C₁₂H₁₅NO₄**
2-Amino-4-benzylpentanedioic acid, A-1-00061
- C₁₂H₁₅N₃O**
▶ Noramidopyrine, N-1-00053
- C₁₂H₁₅O₄P**
Dimethyl 2,2'-(phenylphosphinidene)bisacetate, in P-1-00092
- C₁₂H₁₆**
1,2,3,4-Tetrahydro-2,8-dimethylnaphthalene, T-1-00034
- C₁₂H₁₆F₂O₇**
2-Deoxy-2-fluorogalactopyranosyl fluoride; Tri-Ac, in D-1-00022
4-Deoxy-4-fluorogalactopyranosyl fluoride; Tri-Ac, in D-1-00023
2-Deoxy-2-fluoroglucopyranosyl fluoride; Tri-Ac, in D-1-00024
3-Deoxy-3-fluoroglucopyranosyl fluoride; Tri-Ac, in D-1-00025
4-Deoxy-4-fluoroglucopyranosyl fluoride; Tri-Ac, in D-1-00026
2-Deoxy-2-fluoromannopyranosyl fluoride; Tri-Ac, in D-1-00033
2-Deoxy-2-fluorotalopyranosyl fluoride; Tri-Ac, in D-1-00036
- C₁₂H₁₆N₂**
1,1'-Dicyano-1,1'-bicyclopentyl, in B-1-00099
1,3,4,6,7,11*b*-Hexahydro-2*H*-pyrazino[2,1-*a*]isoquinoline, H-1-00045
▶ Nigerrine, D-1-00472
- C₁₂H₁₆N₂O**
N,N-Dimethyltryptamine *N*-oxide, in D-1-00472
- C₁₂H₁₆N₂O₄**
N- β -Alanyltyrosine, A-1-00044
- C₁₂H₁₆N₂O₅**
5-*tert*-Butyl-2-ethoxy-1,3-dinitrobenzene, in B-1-00420
- C₁₂H₁₆N₃O₃P**
[1-Amino-2-(4-imidazolyl)ethyl]phosphonic acid; *N*-Benzyl, in A-1-00152
- C₁₂H₁₆OS**
Cyclohexyl phenyl sulfoxide, C-1-00206
- C₁₂H₁₆O₂S**
Cyclohexyl phenyl sulfone, in C-1-00205
- C₁₂H₁₆O₃**
Idramantone; Ac, in H-1-00053
- C₁₂H₁₆O₄**
3',4',5'-Trimethoxycinnamyl alcohol, in T-1-00233
- C₁₂H₁₆S**
Cyclohexyl phenyl sulfide, C-1-00205
- C₁₂H₁₇ClO₂S**
2,4-Diisopropylbenzenesulfonic acid; Chloride, in D-1-00364
- C₁₂H₁₇ClO₈**
2-Chloro-2-deoxymannose; 3,4,6-Tri-Ac, in C-1-00052
- C₁₂H₁₇IO₈**
2-Deoxy-2-iodomannose; 3,4,6-Tri-Ac, in D-1-00060
- C₁₂H₁₇N**
2-Cyclohexylaniline, C-1-00198
3-Cyclohexylaniline, C-1-00199
4-Cyclohexylaniline, C-1-00200
- C₁₂H₁₇NO**
2,2-Dimethyl-1-phenyl-1-propylamine; *N*-Formyl, in D-1-00463
- C₁₂H₁₇NO₇**
4-Amino-4-deoxymannose; 1,6-Anhydro, 2,3,4*N*-tri-Ac, in A-1-00107
- C₁₂H₁₇N₂O₃**
3-(2,5-Dihydro-2,5-dioxo-1*H*-pyrrol-2-yl)-2,2,5,5-tetramethyl-1-pyrrolidinylxyloxy, D-1-00277
- C₁₂H₁₇OP**
Butyl ethenylphenylphosphinite, in P-1-00114
- C₁₂H₁₇OPS**
5-Phenyl-1,5-thiaphosphocane; 5-Oxide, in P-1-00102
- C₁₂H₁₇O₃P**
Diethyl (2-phenoxyethenyl)phosphonite, in P-1-00039
- C₁₂H₁₇O₅P**
Diethyl (4-methoxybenzoyl)phosphonate, in M-1-00013
- C₁₂H₁₇PS**
5-Phenyl-1,5-thiaphosphocane, P-1-00102
- C₁₂H₁₈**
1,2-Diisopropylbenzene, D-1-00361
1,3-Diisopropylbenzene, D-1-00362
1,4-Diisopropylbenzene, D-1-00363
1-Methyl-4-methyleneadamantane, M-1-00084
- C₁₂H₁₈NO₃PS₂**
S,S-Dipropyl (4-nitrophenyl)phosphonodithioate, in N-1-00029
- C₁₂H₁₈N₃O₃P**
(Tricyanomethyl)phosphonic acid; Bis(2-methylpropyl) ester, in T-1-00169
- C₁₂H₁₈O**
2-*tert*-Butyl-4,6-dimethylphenol, B-1-00416
4-*tert*-Butyl-2,5-dimethylphenol, B-1-00417
4-*tert*-Butyl-2,6-dimethylphenol, B-1-00418
6-*tert*-Butyl-3,4-dimethylphenol, B-1-00419
4,8-Dodecadiyn-1-ol, D-1-00544
5,10-Dodecadiyn-1-ol, D-1-00545
2-Methyl-5-phenyl-1-pentanol, M-1-00107
- C₁₂H₁₈O₂**
1,3-Bis(1-hydroxy-1-methylethyl)benzene, B-1-00179
3,6,9-Dodecatricenoic acid, D-1-00549
1-Phenyl-1,3-hexanediol, P-1-00073
1-Phenyl-1,6-hexanediol, P-1-00074
- C₁₂H₁₈O₃S**
2,4-Diisopropylbenzenesulfonic acid, D-1-00364
- C₁₂H₁₈O₄**
[1,1'-Bicyclopentyl]-1,1'-dicarboxylic acid, B-1-00099
- C₁₂H₁₉BrO₅**
Allofuranosyl bromide; 2,3:5,6-Di-*O*-isopropylidene, in A-1-00045
3-Bromo-3-deoxyallose; 1,2:5,6-Di-*O*-isopropylidene, in B-1-00245
1-Bromo-1-deoxyfructose; 2,3:4,5-Di-*O*-isopropylidene, in B-1-00252
5-Bromo-5-deoxyidose; 1,2:3,6-Di-*O*-isopropylidene, in B-1-00255
Mannofuranosyl bromide; 2,3:5,6-Di-*O*-isopropylidene, in M-1-00001
- C₁₂H₁₉ClO₅**
Allofuranosyl chloride; 2,3:5,6-Di-*O*-isopropylidene, in A-1-00046
3-Chloro-3-deoxyallose; 1,2:5,6-Di-*O*-isopropylidene, in C-1-00036
1-Chloro-1-deoxyfructose; 2,3:4,5-Di-*O*-isopropylidene, in C-1-00042
3-Chloro-3-deoxyidose; 1,2:5,6-Di-*O*-isopropylidene, in C-1-00047
5-Chloro-5-deoxyidose; 1,2:3,6-Di-*O*-isopropylidene, in C-1-00048
1-Chloro-1-deoxysorbose; 2,3:4,6-Di-*O*-isopropylidene, in C-1-00056
Gulofuranosyl chloride; 2,3:5,6-Di-*O*-isopropylidene, in G-1-00009
- C₁₂H₁₉IO₅**
3-Deoxy-3-iodoallose; 1,2:5,6-Di-*O*-isopropylidene, in D-1-00043
6-Deoxy-6-iodopsicose; 1,2:3,4-Di-*O*-isopropylidene, in D-1-00063
1-Deoxy-1-iodosorbose; 2,3:4,6-Di-*O*-isopropylidene, in D-1-00067
1-Iodo-1-deoxyfructose; 2,3:4,5-Di-*O*-isopropylidene, in I-1-00031
Mannofuranosyl iodide; 2,3:5,6-Di-*O*-isopropylidene, in M-1-00003

- C₁₂H₁₉N**
9-Azabicyclo[3.3.1]nona-2,6-diene; *N-tert*-Butyl, in A-1-00240
3,3-Dimethyl-1-phenyl-2-butylamine, D-1-00455
2,2-Dimethyl-1-phenyl-1-propylamine; *N-Me*, in D-1-00463
- C₁₂H₁₉NO₂S**
2,4-Diisopropylbenzenesulfonic acid; Amide, in D-1-00364
- C₁₂H₁₉NO₇**
4-Amino-4-deoxyarabinose; Me glycoside, 2,3,4*N*-tri-Ac, in A-1-00100
- C₁₂H₁₉N₃O₅**
2,3,4-Triamino-2,3,4-trideoxyidose; 1,6-Anhydro, 2*N*,3*N*,4*N*-tri-Ac, in T-1-00140
- C₁₂H₁₉O₃P**
Diethyl (4-ethylphenyl)phosphonate, in E-1-00023
- C₁₂H₂₀CIP**
Tetracyclopropylphosphonium(1+); Chloride, in T-1-00017
- C₁₂H₂₀N₂O₂**
1*H*-Imidazole-1-octanoic acid; Me ester, in I-1-00005
- C₁₂H₂₀O₃**
Octahydro-4*a*,8*a*-naphthalenediol; Ac, in O-1-00015
- C₁₂H₂₀O₄**
1,3-Cyclobutanedipropanoic acid; Di-Me ester, in C-1-00189
(1-Ethylpropylidene)propanedioic acid; Di-Et ester, in E-1-00025
- C₁₂H₂₀P[⊕]**
Tetracyclopropylphosphonium(1+), T-1-00017
- C₁₂H₂₁NO**
1-Cyano-3-undecanone, in O-1-00044
- C₁₂H₂₁NO₅**
5-Amino-5-deoxyallose; Allyl glycoside, 2,3-*O*-isopropylidene, in A-1-00098
- C₁₂H₂₁N₂O₃PS**
Butathiofos, B-1-00409
- C₁₂H₂₁N₂O₄P**
P-(2-Hydroxy-4,6-dimethoxyphenyl)-*N,N,N',N'*-tetramethylphosphonic diamide, in T-1-00231
- C₁₂H₂₁N₃O₅**
2,3,5-Triamino-2,3,5-trideoxyarabinose; Me glycoside, 2*N*,3*N*,5*N*-tri-Ac, in T-1-00139
- C₁₂H₂₂CINO₆**
3-Chloro-3-deoxygulose; Me glycoside, 4-(*N,N*-dimethylcarbamoyl), 2,6-di-Me, in C-1-00045
- C₁₂H₂₂O**
2-(1-Methylpropyl)-1-vinylcyclohexanol, M-1-00126
- C₁₂H₂₂O₂**
4-(Diethoxymethyl)-1-methylcyclohexene, in M-1-00050
- C₁₂H₂₂O₃**
4-Oxododecanoic acid, O-1-00044
- C₁₂H₂₂O₁₀**
3-*O*- α -L-Rhamnopyranosyl-D-glucose, R-1-00002
- C₁₂H₂₃O₃P**
Diisopropyl (3,3-dimethyl-1-butynyl) phosphonate, in D-1-00379
- C₁₂H₂₃O₅P**
Dibutyl (1-acetoxyethyl)phosphonate, in A-1-00006
- C₁₂H₂₄**
Heptylcyclopentane, H-1-00018
- C₁₂H₂₄CIP**
Ethyl(2-isopropyl-5-methylcyclohexyl) phosphinous chloride, E-1-00017
- C₁₂H₂₄O₂S₄**
1,5,9,13-Tetrathiacyclohexadecane-3,11-diol, T-1-00105
- C₁₂H₂₄O₁₁**
▶ Lactitol, L-1-00001
- C₁₂H₂₄P₂^{2⊕}**
1,6-Diphosphatricyclo[4.4.4.0] tetradecanedium(2+), D-1-00525
- C₁₂H₂₄S₄**
1,5,9,13-Tetrathiacyclohexadecane, T-1-00104
- C₁₂H₂₅BrO**
12-Bromo-2-dodecanol, B-1-00292
- C₁₂H₂₅Cl₂OP**
Dodecylphosphonic acid; Dichloride, in D-1-00552
- C₁₂H₂₅O₂P**
Dimethyl(*L*-menthyl)phosphonite, in I-1-00078
- C₁₂H₂₅O₃P**
Dibutyl (2-ethoxyethyl)phosphonite, in E-1-00011
- C₁₂H₂₆NO₃P**
Dibutyl [1-(aminomethyl)-1-cyclopropyl] phosphonate, in A-1-00167
Diisopropyl [1-(aminomethyl)-1-cyclopentyl] phosphonate, in A-1-00166
- C₁₂H₂₆O**
Dihexyl ether, D-1-00256
- C₁₂H₂₆O₂**
1,11-Dodecanediol, D-1-00548
- C₁₂H₂₆O₄S₂**
Dihexyl disulfone, in D-1-00255
- C₁₂H₂₆S₂**
Dihexyl disulfide, D-1-00255
- C₁₂H₂₇N₂P**
N,N,N',N'-Tetraethyl-*P*-(2-methyl-1-propenyl) phosphonous diamide, in M-1-00123
- C₁₂H₂₇O₃P**
Dodecylphosphonic acid, D-1-00552
- C₁₂H₂₉P₃**
1,2,3-Tri-*tert*-butyltriphosphine, T-1-00157
- C₁₂H₃₀N₃O₉P₃**
1,4,6-Tris[2-(dihydroxyphosphinyl)ethyl]-1,4,7-triazacyclononane, T-1-00268
- C₁₂H₃₀N₈**
1,3;6,8,10,13,16,19-Octaazabicyclo[6.6.6] eicosane, O-1-00002
- C₁₃H₆N₂O₂**
5-Oxo-5*H*-[1]benzopyrano[4,3-*b*]pyridine-3-carboxylic acid; Nitrile, in O-1-00039
- C₁₃H₇Br₂N**
2,7-Dibromoacridine, D-1-00134
- C₁₃H₇NO₄**
5-Oxo-5*H*-[1]benzopyrano[4,3-*b*]pyridine-3-carboxylic acid, O-1-00039
- C₁₃H₇NS₂**
Thieno[3',2':4,5]thieno[2,3-*c*]quinoline, T-1-00128
- C₁₃H₇N₃O**
10*H*-Pyrido[4',3':4,5]imidazo[2,1-*a*]isoindol-10-one, P-1-00172
- C₁₃H₇N₃O₄**
2,4-Dinitroacridine, D-1-00476
2,6-Dinitroacridine, D-1-00477
2,7-Dinitroacridine, D-1-00478
- C₁₃H₈Br₄**
Bis(3,5-dibromophenyl)methane, B-1-00143
- C₁₃H₈CINO₂**
9-Chloro-2,7-dihydroxyacridine, C-1-00080
- C₁₃H₈N₂O**
Benzo[*c*][1,5]naphthyridine-4-carboxaldehyde, B-1-00020
- Benzo[*f*][1,7]naphthyridine-1-carboxaldehyde, B-1-00021
Benzo[*f*][1,7]naphthyridine-3-carboxaldehyde, B-1-00022
1,4-Dicyano-6-methoxynaphthalene, in H-1-00152
- C₁₃H₈O**
1*H*-Benzof[*f*]inden-1-one, B-1-00011
- C₁₃H₈O₂**
5-Ethynyl-2-naphthalenecarboxylic acid, E-1-00040
- C₁₃H₈O₃**
1,8-Dihydroxy-9*H*-fluoren-9-one, D-1-00342
- C₁₃H₈O₆**
1,2,3,8-Tetrahydroxanthone, T-1-00060
- C₁₃H₉ClO₄S₃**
Tri-2-thienylmethylum(1+); Perchlorate, in T-1-00284
- C₁₃H₉FO₂**
4-Fluoro-4'-hydroxybenzophenone, F-1-00023
- C₁₃H₉NO**
Pyridarone, B-1-00017
- C₁₃H₉NO₂**
7-Hydroxy-9*H*-carbazole-3-carboxaldehyde, H-1-00070
- C₁₃H₉NO₃**
2*H*-[1]Benzopyrano[4,3-*b*]pyridine-2,5(1*H*)-dione; *N-Me*, in B-1-00026
- C₁₃H₉N₃O₂S**
▶ Amoscanate, N-1-00023
- C₁₃H₉OP**
2-Phenyl-1,3-benzoxaphosphole, P-1-00049
- C₁₃H₉S₃[⊕]**
Tri-2-thienylmethylum(1+), T-1-00284
- C₁₃H₁₀FN**
2-Amino-7-fluorofluorene, A-1-00137
- C₁₃H₁₀NO₄PS**
(10-Phenothiazinecarbonyl)phosphonic acid, P-1-00037
- C₁₃H₁₀NO₅P**
(10-Phenoxazinecarbonyl)phosphonic acid, P-1-00038
- C₁₃H₁₀N₂**
1-Methylbenzo[*f*][1,7]naphthyridine, M-1-00037
- C₁₃H₁₀N₂O₂**
9-Amino-2,7-dihydroxyacridine, A-1-00122
- C₁₃H₁₀N₂O₃**
4'-Hydroxyazobenzene-2-carboxylic acid, H-1-00054
- C₁₃H₁₀O**
1-Acenaphthylenemethanol, A-1-00005
2,3-Dihydro-1*H*-benzof[*f*]inden-1-one, D-1-00258
- C₁₃H₁₀O₂**
2'-Hydroxy-2-biphenylcarboxaldehyde, H-1-00065
3-Hydroxy-4-biphenylcarboxaldehyde, H-1-00066
4-Hydroxy-3-biphenylcarboxaldehyde, H-1-00067
4'-Hydroxy-4-biphenylcarboxaldehyde, H-1-00068
6-Hydroxy-3-biphenylcarboxaldehyde, H-1-00069
- C₁₃H₁₀O₄S**
3-Benzoylbenzenesulfonic acid, B-1-00041
4-Benzoylbenzenesulfonic acid, B-1-00042
- C₁₃H₁₀O₅**
 α -Hydroxymaltol; 1'-Benzoyl, in H-1-00100
- C₁₃H₁₀O₈**
Tricyclo[3.3.1.0^{2,8}]nona-3,6-diene-2,4,6,8-tetracarboxylic acid, T-1-00172
- C₁₃H₁₁Br**
1-Bromo-2,3-dihydro-1*H*-benzof[*f*]indene, B-1-00281

- 2-Bromodiphenylmethane, B-1-00288
3-Bromodiphenylmethane, B-1-00289
3-Bromo-2-methyl-1,1'-biphenyl, B-1-00315
- C₁₃H₁₁BrO**
2-Bromodiphenylmethanol, B-1-00290
3-Bromodiphenylmethanol, B-1-00291
- C₁₃H₁₁ClO**
2-Chlorodiphenylmethanol, C-1-00089
3-Chlorodiphenylmethanol, C-1-00090
- C₁₃H₁₁F**
2-Fluoro-2'-methylbiphenyl, F-1-00030
2-Fluoro-3-methylbiphenyl, F-1-00031
2-Fluoro-3'-methylbiphenyl, F-1-00032
2-Fluoro-4-methylbiphenyl, F-1-00033
2-Fluoro-4'-methylbiphenyl, F-1-00034
3-Fluoro-2-methylbiphenyl, F-1-00035
3'-Fluoro-2-methylbiphenyl, F-1-00036
3-Fluoro-3'-methylbiphenyl, F-1-00037
3-Fluoro-4-methylbiphenyl, F-1-00038
3-Fluoro-4'-methylbiphenyl, F-1-00039
4'-Fluoro-2-methylbiphenyl, F-1-00040
4'-Fluoro-3-methylbiphenyl, F-1-00041
4-Fluoro-4'-methylbiphenyl, F-1-00042
- C₁₃H₁₁FO**
2-Fluorodiphenylmethanol, F-1-00015
3-Fluorodiphenylmethanol, F-1-00016
4-Fluorodiphenylmethanol, F-1-00017
- C₁₃H₁₁F₂OP**
(Difluoromethyl)diphenylphosphine; Oxide, *in* D-1-00241
Methyl bis(3-fluorophenyl)phosphinite, *in* B-1-00166
Methyl bis(4-fluorophenyl)phosphinite, *in* B-1-00167
- C₁₃H₁₁F₂P**
(Difluoromethyl)diphenylphosphine, D-1-00241
- C₁₃H₁₁N**
3,4-Dihydroacridine, D-1-00257
- C₁₃H₁₁NO**
3-Hydroxy-1-methyl-9*H*-carbazole, H-1-00116
3-Hydroxy-2-methyl-9*H*-carbazole, H-1-00117
3-Hydroxy-5-methyl-9*H*-carbazole, H-1-00118
3-Hydroxy-7-methyl-9*H*-carbazole, H-1-00119
3-Hydroxy-8-methyl-9*H*-carbazole, H-1-00120
- C₁₃H₁₁NO₂**
1,4-Dihydrocyclopent[*b*]indol-3(2*H*)-one; *N*-Ac, *in* D-1-00265
- C₁₃H₁₁NO₃S**
3-Benzoylbenzenesulfonic acid; Amide, *in* B-1-00041
4-Benzoylbenzenesulfonic acid; Amide, *in* B-1-00042
- C₁₃H₁₁NS**
3-(2-Thienyl)-1*H*-indole; *N*-Me, *in* T-1-00131
- C₁₃H₁₁O₂P**
Diphenylphosphinecarboxylic acid, D-1-00507
9*H*-Fluoren-9-ylphosphonous acid, F-1-00005
- C₁₃H₁₂**
1-Methylacenaphthene, M-1-00016
3-Methylacenaphthene, M-1-00017
4-Methylacenaphthene, M-1-00018
5-Methylacenaphthene, M-1-00019
1-(1-Propenyl)naphthalene, P-1-00133
2-(1-Propenyl)naphthalene, P-1-00134
- C₁₃H₁₂BrCl₂N₃O**
► Bromuconazole, B-1-00406
- C₁₃H₁₂FOP**
(Fluoromethyl)diphenylphosphine; Oxide, *in* F-1-00043
- C₁₃H₁₂FP**
(Fluoromethyl)diphenylphosphine, F-1-00043
- C₁₃H₁₂F₃NO₂**
7-Ethylamino-6-methyl-4-trifluoromethylcoumarin, *in* A-1-00184
- C₁₃H₁₂N₄**
► 2-Amino-3-methyl-6-phenyl-3*H*-imidazo[4,5-*b*]pyridine, *in* A-1-00195
► 1-Methyl-6-phenyl-1*H*-imidazo[4,5-*b*]pyridin-2-amine, *in* A-1-00195
- C₁₃H₁₂O**
1-Acenaphthenemethanol, A-1-00002
- C₁₃H₁₂OSe₂**
3,4-Dihydro-2*H*-naphtho[1,8-*bc*]-1,5-diselenocin; Monoxide, *in* D-1-00312
- C₁₃H₁₂O₂**
1,2,3,4-Tetrahydroxanthone, T-1-00058
- C₁₃H₁₂O₃**
8-Hydroxy-1-naphthalenemethanol; 1'-Ac, *in* H-1-00155
- C₁₃H₁₂O₅**
4-Hydroxy-5,7-dimethoxy-2-naphthalenecarboxylic acid, *in* T-1-00230
- C₁₃H₁₂S**
2,3-Dihydro-1*H*-naphtho[2,1-*b*]thiopyran, D-1-00313
3,4-Dihydro-2*H*-naphtho[1,2-*b*]thiopyran, D-1-00314
- C₁₃H₁₂S₂**
Benzyl phenyl disulfide, B-1-00070
- C₁₃H₁₂Se₂**
Bis(phenylseleno)methane, B-1-00197
3,4-Dihydro-2*H*-naphtho[1,8-*bc*]-1,5-diselenocin, D-1-00312
- C₁₃H₁₃NO**
1-(1*H*-Indol-3-yl)-3-methyl-2-buten-1-one, I-1-00022
- C₁₃H₁₃NO₂**
1-Methyl-3-isoquinolinecarboxylic acid; Et ester, *in* M-1-00078
- C₁₃H₁₃NO₅**
3-(Acetylamino)-6,7-dimethoxycoumarin, *in* A-1-00123
- C₁₃H₁₃O₃P**
(Diphenylmethyl)phosphonic acid, D-1-00504
- C₁₃H₁₄N₂O₂**
3-Amino-1,2,3,4-tetrahydro-3-carbazolecarboxylic acid, A-1-00209
- C₁₃H₁₄O₂**
3-Phenyl-3-cyclohexene-1-carboxylic acid, P-1-00059
- C₁₃H₁₅BrO₅**
3-Bromo-3-deoxyarabinose; Me glycoside, 5-benzoyl, *in* B-1-00251
2-Bromo-2-deoxyxylose; Me glycoside, 3-benzoyl, *in* B-1-00270
2-Bromo-2-deoxyxylose; Me glycoside, 5-benzoyl, *in* B-1-00270
- C₁₃H₁₅FO₄**
1,6-Anhydro-3-deoxy-3-fluoroaltropyranose; 4-Benzyl, *in* A-1-00230
- C₁₃H₁₅IO₄**
5-Deoxy-5-iodoribose; Me glycoside, 2,3-*O*-benzylidene, *in* D-1-00066
- C₁₃H₁₅IO₅**
2-Deoxy-2-iodoarabinose; Me glycoside, 4-benzoyl, *in* D-1-00049
3-Deoxy-3-iodoarabinose; Me glycoside, 5-benzoyl, *in* D-1-00050
3-Deoxy-3-iodoxylose; Me glycoside, 4-benzoyl, *in* D-1-00072
- C₁₃H₁₅NO₃**
5-Oxo-3-pyrrolidinecarboxylic acid; *N*-Benzyl, Me ester, *in* O-1-00054
- C₁₃H₁₆**
1-Phenylbicyclo[2.2.1]heptane, P-1-00050
7-Phenylbicyclo[2.2.1]heptane, P-1-00051
- C₁₃H₁₆CIP**
(1-Methylpropadienyl)(2,4,6-trimethylphenyl)phosphinous chloride, M-1-00120
- C₁₃H₁₆FN₃O₅**
2',3'-Dideoxy-2'-fluorocytidine; 2'-Epimer, di-Ac, *in* D-1-00215
- C₁₃H₁₆F₄O₈**
2-Deoxy-2-fluorotriose; Trifluoromethyl glycoside, tri-Ac, *in* D-1-00037
- C₁₃H₁₆N₂O₂**
3-Aminohexahydro-2*H*-azepin-2-one; *N*-Benzoyl, *in* A-1-00142
- C₁₃H₁₆O₂**
1-Benzoylcyclohexanol, B-1-00048
- C₁₃H₁₆O₃**
1-(2,5-Dimethoxyphenyl)-3-methyl-2-buten-1-one, *in* D-1-00350
2-Hydroxy-2-phenylcyclohexanecarboxylic acid, H-1-00169
- C₁₃H₁₆O₄**
2,3-Dihydro-6,7-dimethoxy-2,2-dimethyl-4*H*-1-benzopyran-4-one, *in* D-1-00268
(2-Methylphenyl)butanedioic acid; Di-Me ester, *in* M-1-00102
(4-Methylphenyl)butanedioic acid; Di-Me ester, *in* M-1-00103
- C₁₃H₁₇BrO₄**
3-Bromo-3-deoxyxylose; Benzyl glycoside, 2-Me, *in* B-1-00271
3-Bromo-3-deoxyxylose; Benzyl glycoside, 4-Me, *in* B-1-00271
- C₁₃H₁₇FO₄**
2-Deoxy-2-fluoroxylose; Me glycoside, 5-benzyl, *in* D-1-00041
- C₁₃H₁₇NO₃**
2-Amino-2-ethyl-3-phenylpropanoic acid; *N*-Ac, *in* A-1-00134
- C₁₃H₁₈**
Benzylcyclohexane, B-1-00063
- C₁₃H₁₈NO₇P**
Amino(dimethoxyphosphinyl)acetic acid; *N*-Benzoyloxycarbonyl, Me ester, *in* A-1-00125
- C₁₃H₁₈O₃**
4-(1-Hydroxyethyl)benzoic acid; Butyl ester, *in* H-1-00094
- C₁₃H₁₉Br**
1-Bromo-7-phenylheptane, B-1-00376
- C₁₃H₁₉BrO₈**
2-Bromo-2-deoxymannose; Me glycoside, tri-Ac, *in* B-1-00261
6-Bromo-6-deoxymannose; Me glycoside, tri-Ac, *in* B-1-00262
4-Bromo-4-deoxytagatose; Me glycoside, tri-Ac, *in* B-1-00267
4-Bromo-4-deoxytalose; Me glycoside, tri-Ac, *in* B-1-00268
- C₁₃H₁₉Cl**
1-Chloro-7-phenylheptane, C-1-00152
- C₁₃H₁₉ClO₈**
3-Chloro-3-deoxyaltrose; Me glycoside, tri-Ac, *in* C-1-00038
1-Chloro-1-deoxyfructose; Me glycoside, tri-Ac, *in* C-1-00042
2-Chloro-2-deoxymannose; Me glycoside, tri-Ac, *in* C-1-00052
- C₁₃H₁₉IO₆S₂**
5-Deoxy-5-iodoarabinose; Ethylene dithioacetal, 2,3,4-tri-Ac, *in* D-1-00051
- C₁₃H₁₉IO₈**
6-Deoxy-6-iodoaltrose; Me glycoside, tri-Ac, *in* D-1-00045
2-Deoxy-2-iodoaltrose; Me glycoside, tri-Ac, *in* D-1-00046
4-Deoxy-4-iodofructose; Me glycoside, tri-Ac, *in* D-1-00052
2-Deoxy-2-iodomannose; Me glycoside, tri-Ac, *in* D-1-00060
6-Deoxy-6-iodomannose; Me glycoside, tri-Ac, *in* D-1-00061
2-Deoxy-2-iodotalose; Me glycoside, tri-Ac, *in* D-1-00069

- C₁₃H₁₉NO**
2,2-Dimethyl-1-phenyl-1-propylamine; *N*-Ac, in D-1-00463
- C₁₃H₁₉NO₅**
3-Amino-3-deoxyaltrose; Benzyl glycoside, in A-1-00099
- C₁₃H₁₉NO₈**
5-Amino-5-deoxyarabinose; 1,2,3,5*N*-Tetra-Ac, in A-1-00101
5-Amino-5-deoxyribose; 2,3,4,5*N*-Tetra-Ac, in A-1-00109
5-Amino-5-deoxyxylose; 1,2,3,5*N*-Tetra-Ac, in A-1-00111
- C₁₃H₂₀ClOP**
tert-Butylmesitylphosphinic acid; Chloride, in B-1-00427
- C₁₃H₂₀N₂O₇**
2,3-Diamino-2,3-dideoxyxylose; 1,2*N*,3*N*,4-Tetra-Ac, in D-1-00101
2,5-Diamino-2,5-dideoxyxylose; 1,2*N*,3,5*N*-Tetra-Ac, in D-1-00102
- C₁₃H₂₀N₃OP**
tert-Butylmesitylphosphinic acid; Azide, in B-1-00427
- C₁₃H₂₀O**
5,11-Tridecadiyn-1-ol, T-1-00177
- C₁₃H₂₀O₄**
Bicyclo[4.1.0]heptane-7,7-dicarboxylic acid; Di-Et ester, in B-1-00083
- C₁₃H₂₁NO₅**
5-Amino-5-deoxyxylose; 1,2-*O*-Cyclohexylidene, *N*-Ac, in A-1-00111
- C₁₃H₂₁NO₇**
4-Amino-4,6-dideoxyaltrose; Me glycoside, 2,3,4*N*-tri-Ac, in A-1-00115
4-Amino-4,6-dideoxyidose; Me glycoside, 2,3,4*N*-tri-Ac, in A-1-00116
- C₁₃H₂₁NO₈**
3-Amino-3-deoxymannose; Me glycoside, 3*N*,4,6-tri-Ac, in A-1-00106
- C₁₃H₂₁N₂O₇**
2,6-Diamino-2,6-dideoxyidose; Me glycoside, 2*N*,3,4-tri-Ac, in D-1-00098
- C₁₃H₂₁N₃O₆**
2,3,5-Triamino-2,3,5-trideoxyxylose; 1,2*N*,3*N*,5*N*-Tetra-Ac, in T-1-00142
- C₁₃H₂₁O₂P**
tert-Butylmesitylphosphinic acid, B-1-00427
- C₁₃H₂₁O₃P**
Diethyl (4-isopropylphenyl)phosphonate, in I-1-00081
- C₁₃H₂₂NOP**
tert-Butylmesitylphosphinic acid; Amide, in B-1-00427
- C₁₃H₂₂N₂O₆**
2,4-Diamino-2,4,6-trideoxyidose; Me glycoside, 2*N*,3,4*N*-tri-Ac, in D-1-00110
- C₁₃H₂₂O₂**
Ethylinalyl acetate, in D-1-00451
- C₁₃H₂₂O₄**
1,2-Cycloheptanedicarboxylic acid; Di-Et ester, in C-1-00192
- C₁₃H₂₃N₃O₅**
2,3,4-Triamino-2,3,4,6-tetraoxymannose; Me glycoside, 2*N*,3*N*,4*N*-tri-Ac, in T-1-00138
- C₁₃H₂₄**
1,12-Tridecadiene, T-1-00176
- C₁₃H₂₄N₂O₆**
2,4-Diamino-2,4-dideoxyidose; Me glycoside, 3,6-di-Me, 2*N*,4*N*-di-Ac, in D-1-00097
- C₁₃H₂₄O**
2-Butyl-2-ethyl-5-methyl-4-hexenal, B-1-00421
- C₁₃H₂₄O₃**
4-Oxododecanoic acid; Me ester, in O-1-00044
- C₁₃H₂₆ClP**
Isopropyl(2-isopropyl-5-methylcyclohexyl)phosphinous chloride, I-1-00075
- C₁₃H₂₆O**
1-Methyl-1-cyclododecanol, M-1-00045
- C₁₃H₂₇BrO**
13-Bromo-1-tridecanol, B-1-00401
- C₁₃H₂₇ClO**
13-Chloro-1-tridecanol, C-1-00171
- C₁₃H₂₈Cl₃N₂P**
N,N,N',N'-Tetraisopropyl-*P*-(trichloromethyl)phosphonous diamide, in T-1-00160
- C₁₃H₂₈F₃N₂P**
N,N,N',N'-Tetrapropyl-*P*-(trifluoromethyl)phosphonous diamide, in T-1-00211
- C₁₃H₂₈NO₃P**
Dibutyl [1-(aminomethyl)-1-cyclobutyl]phosphonate, in A-1-00164
Diisopropyl [1-(aminomethyl)-1-cyclohexyl]phosphonate, in A-1-00165
- C₁₃H₂₈N₃P**
P-Cyano-*N,N,N',N'*-tetraisopropylphosphonous diamide, C-1-00183
- C₁₃H₂₉N₄P**
P-(Diazomethyl)-*N,N,N',N'*-tetraisopropylphosphonous diamide, in D-1-00123
- C₁₃H₂₉O₆P**
Diisopropyl [(triethoxy)methyl]phosphonate, in T-1-00180
- C₁₃H₃₀BrN₂P**
P-(Bromomethyl)-*N,N,N',N'*-tetraisopropylphosphonous diamide, in B-1-00344
- C₁₃H₃₀ClN₂P**
P-(Chloromethyl)-*N,N,N',N'*-tetraisopropylphosphonous diamide, in C-1-00124
- C₁₃H₃₅N₄P₃**
P,P'-[(Methylphosphinidene)di-2,1-ethanediy]bis[*N,N,N',N'*-tetramethylphosphonous diamide], M-1-00117
- C₁₄F₈S₄**
Octafluorodibenzotetrafulvalene, O-1-00008
- C₁₄H₄N₄S**
2,2'-(Benzo[*c*]thiophene-1,3-diylidene)bispropanedinitrile, B-1-00032
- C₁₄H₆Cl₂N₂O₂**
1,10-Phenanthroline-2,9-dicarboxylic acid; Dichloride, in P-1-00034
- C₁₄H₆F₈**
2,2',3,3',5,5',6,6'-Octafluoro-4,4'-dimethylbiphenyl, O-1-00010
- C₁₄H₆N₄**
2,9-Dicyano-1,10-phenanthroline, in P-1-00034
- C₁₄H₆BrNO₅S**
1-Amino-4-bromoanthraquinone-2-sulfonic acid, A-1-00067
- C₁₄H₆F₂O₂**
Bis(4-fluorophenyl)ethanedione, B-1-00165
- C₁₄H₈I₂**
2,6-Diiodoanthracene, D-1-00354
- C₁₄H₈N₂O₂**
5-Hydroxy-1,4-naphthalenedicarboxylic acid; Dinitrile, Ac, in H-1-00151
- C₁₄H₈N₂O₂S₃**
Centsulphone, in D-1-00367
- C₁₄H₈N₂O₄**
1,10-Phenanthroline-2,9-dicarboxylic acid, P-1-00034
1,10-Phenanthroline-4,7-dicarboxylic acid, P-1-00035
- C₁₄H₈N₂S₃**
4,4'-Diisothiocyanatodiphenyl sulfide, D-1-00367
- C₁₄H₈O₃**
1,2-Acenaphthenedicarboxylic acid; Anhydride, in A-1-00001
- C₁₄H₈O₆**
1,4,5,8-Tetrahydroxyanthraquinone, T-1-00059
- C₁₄H₈S₄**
Dibenzotetrafulvalene, D-1-00129
- C₁₄H₉CIN₂**
4-Chloro-3-phenylcinnoline, C-1-00146
6-Chloro-4-phenylcinnoline, C-1-00147
- C₁₄H₉CIN₂O**
6-Chloro-4-phenylcinnoline; 1-Oxide, in C-1-00147
6-Chloro-4-phenylcinnoline; 2-Oxide, in C-1-00147
- C₁₄H₉F₃O**
2-(Trifluoromethyl)benzophenone, T-1-00193
3-(Trifluoromethyl)benzophenone, T-1-00194
4-(Trifluoromethyl)benzophenone, T-1-00195
- C₁₄H₉NO₄**
5-Oxo-5*H*-[1]benzopyrano[4,3-*b*]pyridine-3-carboxylic acid; Me ester, in O-1-00039
- C₁₄H₉N₃O**
Pyrido[4',3',4,5]pyrimido[2,1-*q*]isindol-10(12*H*)-one, P-1-00177
- C₁₄H₁₀**
2-Ethynyl-1,1'-biphenyl, E-1-00034
3-Ethynyl-1,1'-biphenyl, E-1-00035
4-Ethynyl-1,1'-biphenyl, E-1-00036
- C₁₄H₁₀BF₄N**
Dicyclohepta[*b,d*]pyrrolium(1+); Tetrafluoroborate, in D-1-00209
- C₁₄H₁₀CIN**
2-Chloro-5*H*-dibenz[*b,f*]azepine, C-1-00063
3-Chloro-5*H*-dibenz[*b,f*]azepine, C-1-00064
10-Chloro-5*H*-dibenz[*b,f*]azepine, C-1-00065
- C₁₄H₁₀ClOP**
1-Chloro-2-phenoxy-3-phenyl-1*H*-phosphirene, C-1-00145
- C₁₄H₁₀CIP**
1-Chloro-2,3-diphenyl-1*H*-phosphirene, C-1-00091
- C₁₄H₁₀F₁₆O₄**
Hexadecafluorodecanedioic acid; Di-Et ester, in H-1-00025
- C₁₄H₁₀N[⊕]**
Dicyclohepta[*b,d*]pyrrolium(1+), D-1-00209
- C₁₄H₁₀NPS**
2,5-Diphenyl-1,3,4-thiazophosphole, D-1-00521
- C₁₄H₁₀N₂O₆**
Olsalazine, O-1-00030
- C₁₄H₁₀N₄O₂**
1,10-Phenanthroline-2,9-dicarboxylic acid; Diamide, in P-1-00034
- C₁₄H₁₀O**
2-(Phenylethynyl)phenol, P-1-00070
3-(Phenylethynyl)phenol, P-1-00071
4-(Phenylethynyl)phenol, P-1-00072
- C₁₄H₁₀OS**
3-Phenyl-1(3*H*)-isobenzofuranthione, P-1-00077
- C₁₄H₁₀OS₂**
3-(Phenylthio)benzo[*c*]thiophen-1(3*H*)-one, P-1-00112
- C₁₄H₁₀O₂**
2-Acetylacenaphthenone, A-1-00007
3-Benzoylbenzaldehyde, B-1-00040
1,2-Bis(2-hydroxyphenyl)acetylene, B-1-00180
1,2-Bis(3-hydroxyphenyl)acetylene, B-1-00181
1,2-Bis(4-hydroxyphenyl)acetylene, B-1-00182

- C₁₄H₁₀O₃S₂**
3-(Phenylsulfonyl)benzo[*c*]thiophen-1(3*H*)-one, *in* P-1-00112
- C₁₄H₁₀O₄**
1,2-Acenaphthenedicarboxylic acid, A-1-00001
- C₁₄H₁₀O₆**
2,3-Dihydro-1,4,5,8-tetrahydroxyanthraquinone, D-1-00330
1,3,8-Trihydroxy-2-methoxyxanthone, *in* T-1-00060
- C₁₄H₁₀O₆S₂**
2,6-Anthracenedisulfonic acid, A-1-00235
- C₁₄H₁₀S₂**
3-Phenylbenzo[*c*]thiophene-1(3*H*)-thione, P-1-00048
- C₁₄H₁₁FO₂**
4-Fluoro-4'-methoxybenzophenone, *in* F-1-00023
- C₁₄H₁₁N**
4-Phenyl-1*H*-indole, P-1-00075
5-Phenyl-1*H*-indole, P-1-00076
- C₁₄H₁₁NO₂S**
10*H*-Phenothiazine-2-acetic acid, P-1-00036
- C₁₄H₁₁NO₃**
2*H*-[1]Benzopyrano[4,3-*b*]pyridine-2,5(1*H*)-dione; *N*-Et, *in* B-1-00026
- C₁₄H₁₁NO₅**
► Tolcapone, D-1-00344
- C₁₄H₁₁N₃**
2,3-Di-2-pyridinyl-1*H*-pyrrole, D-1-00528
- C₁₄H₁₁N₃S**
N,5-Diphenyl-1,3,4-thiadiazol-2-amine, *in* A-1-00200
- C₁₄H₁₁N₅**
1,5-Diphenyl-3-formazancarboxitrile, *in* D-1-00499
- C₁₄H₁₂**
Phenylcubane, P-1-00055
- C₁₄H₁₂ClNO₂**
4-Amino-4'-chlorodiphenyl ether; *N*-Ac, *in* A-1-00078
- C₁₄H₁₂N₄O₂**
1,5-Diphenyl-3-formazancarboxylic acid, D-1-00499
- C₁₄H₁₂OS**
2,3-Dihydro-2-phenyl-1,4-benzoxathiin, D-1-00322
- C₁₄H₁₂OS₂**
Bis(phenylthio)acetaldehyde, B-1-00200
- C₁₄H₁₂O₂**
2-Methoxy-2-biphenylcarboxaldehyde, *in* H-1-00065
6-Methoxy-6*H*-dibenzo[*b,d*]pyran, *in* H-1-00065
- C₁₄H₁₂O₃**
2,5-Bis(2-furanyl)methylfuran, B-1-00172
2,3,5-Trimethyl-7*H*-furo[3,2-*g*][1]benzopyran-7-one, T-1-00242
- C₁₄H₁₂P₂S₂**
2,8-Dimethyl[1,2,3]benzothiadiphosphol[3,2-*b*][1,2,3]benzothiodiphosphole, D-1-00372
- C₁₄H₁₂S₂**
6,6'-Bi(4,5-dihydro-6*H*-cyclopenta[*b*]thienylidene), B-1-00101
- C₁₄H₁₃BrO**
1-Bromo-2-(methoxyphenylmethyl)benzene, *in* B-1-00290
- C₁₄H₁₃Br₂OP**
Ethyl bis(3-bromophenyl)phosphinite, *in* B-1-00135
Ethyl bis(4-bromophenyl)phosphinite, *in* B-1-00136
- C₁₄H₁₃NO**
3-Methoxy-2-methyl-9*H*-carbazole, *in* H-1-00117
- C₁₄H₁₃NO₂**
1,2-Dimethoxycarbazole, *in* C-1-00002
1,4-Dimethoxycarbazole, *in* C-1-00003
2,7-Dimethoxycarbazole, *in* C-1-00004
3,6-Dimethoxycarbazole, *in* C-1-00005
- C₁₄H₁₃N₅O**
1,5-Diphenyl-3-formazancarboxylic acid; Amide, *in* D-1-00499
- C₁₄H₁₃O₂P**
5-Hydroxy-2,8-dimethyl-5*H*-dibenzophosphole 5-oxide, H-1-00087
Methyl diphenylphosphinecarboxylate, *in* D-1-00507
- C₁₄H₁₃O₄P**
(2-Oxo-1,2-diphenylethyl)phosphonic acid, O-1-00043
- C₁₄H₁₄ClO₂P**
Bis(4-methoxyphenyl)phosphinous chloride, B-1-00184
- C₁₄H₁₄N₂**
10-Amino-10,11-dihydro-5*H*-dibenz[*b,f*]azepine, A-1-00118
- C₁₄H₁₄O₂**
3,3'-Bis(hydroxymethyl)biphenyl, B-1-00175
3,5-Bis(hydroxymethyl)biphenyl, B-1-00176
4,4'-Bis(hydroxymethyl)biphenyl, B-1-00177
2,2'-Dihydroxybibenzyl, D-1-00338
3,3'-Dihydroxybibenzyl, D-1-00339
4,4'-Dihydroxybibenzyl, D-1-00340
- C₁₄H₁₄O₅**
4,5,7-Trihydroxy-2-naphthalenecarboxylic acid; 5,7-Di-Me ether, Me ester, *in* T-1-00230
- C₁₄H₁₄O₆**
1,2-Bis(3,4-dihydroxyphenyl)-1,2-ethanediol, B-1-00150
Bisquaric acid; Diisopropyl ether, *in* B-1-00201
- C₁₄H₁₄S**
1-Methyl-4[(phenylthio)methyl]benzene, *in* M-1-00026
- C₁₄H₁₅BrO₅**
6-Bromo-6-deoxyallose; Me glycoside, 4-benzoyl, 2,3-anhydro, *in* B-1-00246
- C₁₄H₁₅BrO₆**
6-Bromo-6-deoxytalose; Me glycoside, 2,3-anhydro, 4-benzoyl, *in* B-1-00269
- C₁₄H₁₅NO₂**
Benzyl 1,2-dihydro-2-methyl-1-pyridinecarboxylate, *in* D-1-00309
1,2-Dihydro-2-methylpyridine; *N*-Benzoyloxycarbonyl, *in* D-1-00309
- C₁₄H₁₅N₅O₂**
2,4-Diamino-6-benzyl-1,3,5-triazine; 2*N*,4*N*-Di-Ac, *in* D-1-00084
- C₁₄H₁₆**
Pentacyclo[5.4.2^{1,7}.1^{3,6}.0^{10,13}.0^{12,14}]tetradeca-4,8-diene, P-1-00009
- C₁₄H₁₆P₂**
1,1-Dimethyl-2,2-diphenyldiphosphine, D-1-00390
- C₁₄H₁₆P₂S**
1,1-Dimethyl-2,2-diphenyldiphosphine; 2-Sulfide, *in* D-1-00390
- C₁₄H₁₆P₂S₂**
1,1-Dimethyl-2,2-diphenyldiphosphine; 1,2-Disulfide, *in* D-1-00390
- C₁₄H₁₆Se**
2-*tert*-Butyl-1-benzoselenepin, B-1-00412
- C₁₄H₁₇BrO₅**
3-Bromo-3-deoxyallose; Me glycoside, 4,6-*O*-benzylidene, *in* B-1-00245
2-Bromo-2-deoxyaltrose; Me glycoside, 4,6-*O*-benzylidene, *in* B-1-00247
3-Bromo-3-deoxyaltrose; Me glycoside, 4,6-*O*-benzylidene, *in* B-1-00248
- 3-Bromo-3-deoxyxylose; Me glycoside, 4-benzoyl, 2-Me, *in* B-1-00258
2-Bromo-2-deoxymannose; Me glycoside, 4,6-*O*-benzylidene (*R*-), *in* B-1-00261
4-Bromo-4-deoxyxylose; Me glycoside, 3-benzoyl, 2-Me, *in* B-1-00272
- C₁₄H₁₇BrO₆**
6-Bromo-6-deoxyallose; Me glycoside, 4-benzoyl, *in* B-1-00246
3-Bromo-3-deoxygulose; Me glycoside, 6-benzoyl, *in* B-1-00253
6-Bromo-6-deoxyidose; Me glycoside, 4-benzoyl, *in* B-1-00256
6-Bromo-6-deoxymannose; Me glycoside, 4-benzoyl, *in* B-1-00262
- C₁₄H₁₇ClO₅**
2-Chloro-2-deoxyallose; Me glycoside, 4,6-*O*-benzylidene, *in* C-1-00035
3-Chloro-3-deoxyallose; Me glycoside, 4,6-*O*-benzylidene, *in* C-1-00036
2-Chloro-2-deoxyallose; Me glycoside, 3,4-*O*-benzylidene (*R*-), *in* C-1-00035
3-Chloro-3-deoxyaltrose; Me glycoside, 4,6-*O*-benzylidene (*R*-), *in* C-1-00038
2-Chloro-2-deoxyidose; Me glycoside, 4,6-*O*-benzylidene, *in* C-1-00046
2-Chloro-2-deoxymannose; Me glycoside, 4,6-*O*-benzylidene (*R*-), *in* C-1-00052
- C₁₄H₁₇IO₅**
3-Deoxy-3-iodoallose; Me glycoside, 4,6-*O*-benzylidene, *in* D-1-00043
2-Deoxy-2-iodoaltrose; Me glycoside, 4,6-*O*-benzylidene, *in* D-1-00046
3-Deoxy-3-iodoaltrose; Me glycoside, 4,6-*O*-benzylidene, *in* D-1-00047
2-Deoxy-2-iodoaltrose; Me glycoside, 3,4-*O*-benzylidene (*R*-), *in* D-1-00046
2-Deoxy-2-iodoaltrose; Me glycoside, 3,4-*O*-benzylidene (*S*-), *in* D-1-00046
2-Deoxy-2-iodoidose; Me glycoside, 4,6-*O*-benzylidene, *in* D-1-00056
- C₁₄H₁₈**
Hexacyclo[6.4.2.0^{2,7}.0^{3,11}.0^{6,10}.0^{9,12}]tetradecane, H-1-00022
- C₁₄H₁₈Cl₂O₂**
2,2-Dichloro-1-phenylcyclopropanecarboxaldehyde; Di-Et acetal, *in* D-1-00192
- C₁₄H₁₈O₂**
2-Methyl-5-hexenoic acid; Benzyl ester, *in* M-1-00071
- C₁₄H₁₈O₅**
3-(3,4,5-Trihydroxyphenyl)-2-propen-1-ol; 3',4',5'-Tri-Me ether, Ac, *in* T-1-00233
- C₁₄H₁₈O₉**
1,2-Anhydro-*epi*-inositol; Tetra-Ac, *in* E-1-00006
- C₁₄H₁₈O₁₀**
2-*C*-(Hydroxymethyl)ribonic acid; γ -Lactone, tetra-Ac, *in* H-1-00146
- C₁₄H₁₉BrO₉**
Allopyranosyl bromide; Tetra-Ac, *in* A-1-00047
Altropyranosyl bromide; Tetra-Ac, *in* A-1-00048
3-Bromo-3-deoxyallose; Tetra-Ac, *in* B-1-00245
1-Bromo-1-deoxyfructose; Tetra-Ac, *in* B-1-00252
6-Bromo-6-deoxyidose; Tetra-Ac, *in* B-1-00256
2-Bromo-2-deoxymannose; Tetra-Ac, *in* B-1-00261
1-Bromo-1-deoxy psicose; Tetra-Ac, *in* B-1-00263
Fructopyranosyl bromide; Tetra-Ac, *in* F-1-00069
Galactofuranosyl bromide; Tetra-Ac, *in* G-1-00001
Gulopyranosyl bromide; Tetra-Ac, *in* G-1-00010
Idopyranosyl bromide; Tetra-Ac, *in* I-1-00002
Mannofuranosyl bromide; Tetra-Ac, *in* M-1-00001

- C₁₄H₁₉ClO₉**
 Altopyranosyl chloride; Tetra-Ac, in A-1-00049
 1-Chloro-1-deoxyfructose; Tetra-Ac, in C-1-00042
 6-Chloro-6-deoxyfructose; Tetra-Ac, in C-1-00044
 2-Chloro-2-deoxymannose; Tetra-Ac, in C-1-00052
 1-Chloro-1-deoxypsicosose; Tetra-Ac, in C-1-00054
 Fructopyranosyl chloride; Tetra-Ac, in F-1-00070
 Galactoseptanosyl chloride; Tetra-Ac, in G-1-00004
- C₁₄H₁₉FO₉**
 3-Deoxy-3-fluoromannose; Tetra-Ac, in D-1-00034
 Fructofuranosyl fluoride; Tetra-Ac, in F-1-00068
 Fructopyranosyl fluoride; Tetra-Ac, in F-1-00071
 Galactofuranosyl fluoride; Tetra-Ac, in G-1-00002
 Galactopyranosyl fluoride; Tetra-Ac, in G-1-00003
 Mannofuranosyl fluoride; Tetra-Ac, in M-1-00002
 Mannopyranosyl fluoride; Tetra-Ac, in M-1-00004
- C₁₄H₁₉IO₉**
 1-Deoxy-1-iodopsicosose; Tetra-Ac, in D-1-00062
 1-Iodo-1-deoxyfructose; Tetra-Ac, in I-1-00031
- C₁₄H₁₉NO**
 2-Cyclohexylaniline; *N*-Ac, in C-1-00198
N-(4-Cyclohexylphenyl)acetamide, in C-1-00200
 2,2-Dimethylcyclopentanecarboxylic acid; Anilide, in D-1-00387
- C₁₄H₁₉NO₂**
 3-Phenyl-2-azetidincarboxylic acid; *tert*-Butyl ester, in P-1-00044
- C₁₄H₁₉NO₅**
 5-Amino-5-deoxylyxose; Benzyl glycoside, *N*-Ac, in A-1-00105
- C₁₄H₁₉NO₆**
 3-Amino-3-deoxymannose; Me glycoside, *N*-benzoyl, in A-1-00106
- C₁₄H₁₉NO₇**
 Conduramine F₁; *N,O,O*-Tetra-Ac, in A-1-00093
- C₁₄H₁₉NO₈**
 5-Amino-5-deoxyidose; 1,6-Anhydro, 2,3,4,5*N*-tetra-Ac, in A-1-00103
- C₁₄H₁₉N₃O₅**
 Bulab, B-1-00407
- C₁₄H₁₉O₄P**
 Diethyl 2,2'-(phenylphosphinidene)bisacetate, in P-1-00092
- C₁₄H₂₀OS**
 Octanethioic acid; *S*-Ph ester, in O-1-00023
- C₁₄H₂₀O₃**
 1-Phenyl-1,3-hexanediol; 1-Ac, in P-1-00073
- C₁₄H₂₁Br**
 1-Bromo-3,5-di-*tert*-butylbenzene, B-1-00274
 2-Bromo-1,3-di-*tert*-butylbenzene, B-1-00275
 2-Bromo-1,4-di-*tert*-butylbenzene, B-1-00276
- C₁₄H₂₁Cl**
 1-Chloro-2,4-di-*tert*-butylbenzene, C-1-00066
 1-Chloro-3,5-di-*tert*-butylbenzene, C-1-00067
 2-Chloro-1,3-di-*tert*-butylbenzene, C-1-00068
- C₁₄H₂₁F**
 1,3-Di-*tert*-butyl-5-fluorobenzene, D-1-00171
 2,4-Di-*tert*-butyl-1-fluorobenzene, D-1-00172
- C₁₄H₂₁NO₉**
 3-Amino-3-deoxymannose; 1,2,4,6-Tetra-Ac, in A-1-00106
 3-Amino-3-deoxymannose; 1,3*N*,4,6-Tetra-Ac, in A-1-00106
- C₁₄H₂₁O₃P**
 Diisopropyl (4-methoxybenzoyl)phosphonate, in M-1-00013
- C₁₄H₂₂NO₄P**
 (Phenylacetyl)phosphonic acid; Diisopropyl ester, oxime, in P-1-00041
- C₁₄H₂₂N₂O₃**
 2,3-Diamino-2,3,6-trideoxygulose; Me glycoside, 3*N*-benzyl, in D-1-00108
 2,3-Diamino-2,3,6-trideoxyidose; Me glycoside, 3*N*-benzyl, in D-1-00109
- C₁₄H₂₂O**
 Octahydro-5,5,8*a*-trimethyl-1-methylene-2(1*H*)-naphthalenone, O-1-00018
- C₁₄H₂₂O₄**
 [1,1'-Bicyclohexyl]-4,4'-dicarboxylic acid, B-1-00091
 [1,1'-Bicyclopentyl]-1,1'-dicarboxylic acid; Di-Me ester, in B-1-00099
- C₁₄H₂₃BrO₆**
 5-Bromo-5-deoxyidose; 1,2-*O*-Isopropylidene, 6-(tetrahydro-2*H*-pyran-2-yl), in B-1-00255
- C₁₄H₂₃O₃P**
 Diethyl (4-*tert*-butylphenyl)phosphonate, in B-1-00432
 Monohexyl (4-ethylphenyl)phosphonate, in E-1-00023
- C₁₄H₂₄F₆O₆P₂S₂**
 1,6-Diphosphatricyclo[4.4.4.0] tetradecanedium(2+); Bis(trifluoromethanesulfonate), in D-1-00525
- C₁₄H₂₄NO₅P**
 Diethyl [1-amino-(3,4-dimethoxyphenyl)ethyl] phosphonate, in A-1-00124
- C₁₄H₂₄N₂O₂**
 Decahydro-1,4-naphthalenediamine; *N,N'*-Di-Ac, in D-1-00004
 Octahydro-4*a*,8*a*-naphthalenediamine; *N,N'*-Di-Ac, in O-1-00014
- C₁₄H₂₄O**
 Cetonal™, C-1-00008
- C₁₄H₂₄O₂**
 Dihydro ambrate, in M-1-00126
- C₁₄H₂₄O₈P₂**
 Tetraethyl 2,5-dihydroxy-1,4-phenylenebisphosphonate, in D-1-00336
- C₁₄H₂₅O₅PSi₂**
 Bis(trimethylsilyl)(4-methoxybenzoyl) phosphonate, in M-1-00013
- C₁₄H₂₆O**
 2,12-Dimethylcyclododecanone, D-1-00382
 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methyl-2-pentanol, T-1-00240
- C₁₄H₂₆O₃**
 4-Oxododecanoic acid; Et ester, in O-1-00044
- C₁₄H₂₆O₅**
 3,3'-Oxybis[2,2-dimethylpropanoic acid]; Di-Et ester, in O-1-00059
- C₁₄H₂₆P₂**
 1,2-Diisopropyl-3,4-diisopropylidene-1,2-diphosphetane, D-1-00365
- C₁₄H₂₆P₂S₂**
 1,2-Diisopropyl-3,4-diisopropylidene-1,2-diphosphetane; Disulfide, in D-1-00365
- C₁₄H₂₈CIP**
tert-Butyl(2-isopropyl-5-methylcyclohexyl) phosphinous chloride, B-1-00425
- C₁₄H₂₈N₂O₄**
 Spermic acid; Di-Et ester, in S-1-00003
- C₁₄H₂₈O**
 1-Methoxy-1-methylcyclododecane, in M-1-00045
 2-Tetradecen-1-ol, T-1-00018
- C₁₄H₂₈O₃**
 1,1-Dodecanediol; 11-Ac, in D-1-00548
- C₁₄H₂₈O₆P₂**
 Tetrakis(1-methylethyl) 1,2-ethyenediylbisphosphonate, in E-1-00032
- C₁₄H₂₉F**
 1-Fluorotetradecane, F-1-00055
- C₁₄H₂₉N**
 Azacyclopentadecane, A-1-00241
- C₁₄H₂₉O₂P**
 Diethyl(*L*-menthyl)phosphonite, in I-1-00078
- C₁₄H₃₀NO₃P**
 Dibutyl [1-(aminomethyl)-1-cyclopentyl] phosphonate, in A-1-00166
- C₁₄H₃₀O**
 Diheptyl ether, D-1-00254
- C₁₄H₃₀O₄S₂**
 Diheptyl disulfone, in D-1-00253
- C₁₄H₃₀S₂**
 Diheptyl disulfide, D-1-00253
- C₁₄H₃₁N₂P**
P-(2-Isopropyl-5-methylcyclohexyl)-*N,N,N,N'*-tetramethylphosphonous diamide, in D-1-00106
 Vinylphosphonous bis(diisopropylamide), in V-1-00004
- C₁₄H₃₁O₃P**
 Tetradecylphosphonic acid, T-1-00019
- C₁₄H₃₆F₂O₆P₂Si₄**
 Tetrakis(trimethylsilyl) (1,2-difluoro-1,2-ethanediy)bisphosphonate, in D-1-00237
- C₁₄H₃₉N₂PSi₄**
P-Ethenyl-*N,N,N,N'*-tetrakis(trimethylsilyl) phosphonous diamide, in V-1-00004
- C₁₅H₈BrN**
 9-Bromo-10-cyanoanthracene, in B-1-00224
- C₁₅H₈N₂O**
 11*H*-Indeno[1,2-*b*]quinoxalin-11-one, I-1-00012
- C₁₅H₈N₂O₂**
 11*H*-Indeno[1,2-*b*]quinoxalin-11-one; 5-Oxide, in I-1-00012
- C₁₅H₈N₄O**
 5,7-Bis(diazo)-5,7-dihydro-6*H*-dibenzo[*a,c*] cyclohepten-6-one, B-1-00140
- C₁₅H₈O₃**
 5*H*-Benzofuro[3,2-*c*][2]-benzopyran-5-one, B-1-00018
- C₁₅H₈O₄**
 2,3-Methylenedioxyanthraquinone, M-1-00066
- C₁₅H₉BrO₂**
 10-Bromo-9-anthracenecarboxylic acid, B-1-00224
 ► 5-Bromo-2-phenyl-1,3-indanedione, B-1-00377
- C₁₅H₉Br₂N₃**
 6,6''-Dibromo-2,2':6',2''-terpyridine, D-1-00161
- C₁₅H₉ClO₂**
 2-Chloro-9-phenanthrenecarboxylic acid, C-1-00143
 6-Chloro-9-phenanthrenecarboxylic acid, C-1-00144
- C₁₅H₉IO₂**
 1-Iodo-2-methylanthraquinone, I-1-00039
- C₁₅H₉NO₂**
 Benzofuro[3,2-*c*]isoquinolino-5(6*H*)-one, B-1-00019
 1-(Cyanomethyl)xanthone, in O-1-00056
 2-(Cyanomethyl)xanthone, in O-1-00057
 3-(Cyanomethyl)xanthone, in O-1-00058
- C₁₅H₉NO₄**
 1-Methyl-3-nitroanthraquinone, M-1-00085
 1-Methyl-4-nitroanthraquinone, M-1-00086
 1-Methyl-5-nitroanthraquinone, M-1-00087
 1-Methyl-8-nitroanthraquinone, M-1-00088
 ► 2-Methyl-1-nitroanthraquinone, M-1-00089
 6-Methyl-1-nitroanthraquinone, M-1-00090
 7-Methyl-1-nitroanthraquinone, M-1-00091

- C₁₅H₉N₃O**
11*H*-Indeno[1,2-*b*]quinoxalin-11-one; Oxime, *in* I-1-00012
- C₁₅H₁₀F₆**
1,1,2,2,3,3-Hexafluoro-1,3-diphenylpropane, H-1-00030
- C₁₅H₁₀N₂**
Indolo[1,2-*c*]quinazoline, I-1-00019
- C₁₅H₁₀N₂O**
Indolo[1,2-*a*]quinoxalin-6(5*H*)one, I-1-00020
Isoindolo[1,2-*b*]quinazolin-12(10*H*)-one, I-1-00069
- C₁₅H₁₀O₂**
1-Hydroxy-2-phenanthrenecarboxaldehyde, H-1-00161
3-Hydroxy-4-phenanthrenecarboxaldehyde, H-1-00162
3-Hydroxy-9-phenanthrenecarboxaldehyde, H-1-00163
4-Hydroxy-3-phenanthrenecarboxaldehyde, H-1-00164
10-Hydroxy-9-phenanthrenecarboxaldehyde, H-1-00165
- C₁₅H₁₀O₃**
4-Hydroxy-3-phenyl-2*H*-1-benzopyran-2-one, H-1-00166
- C₁₅H₁₀O₄**
Benzil-4-carboxylic acid, B-1-00008
9-Oxo-9*H*-xanthene-1-acetic acid, O-1-00056
9-Oxo-9*H*-xanthene-2-acetic acid, O-1-00057
9-Oxo-9*H*-xanthene-3-acetic acid, O-1-00058
- C₁₅H₁₁BrN₂**
2-Bromo-4,5-diphenyl-1*H*-imidazole, B-1-00287
- C₁₅H₁₁BrN₂O₂**
5-Bromo-2-phenyl-1,3-indanedione; Dioxime, *in* B-1-00377
- C₁₅H₁₁Cl**
1-Chloro-6-methylphenanthrene, C-1-00119
9-Chloro-10-methylphenanthrene, C-1-00120
- C₁₅H₁₁NO₂**
4,5-Dihydroxy-2-phenylquinoline, D-1-00352
2,4-Diphenyl-5(2*H*)-isoxazolone, *in* H-1-00170
- C₁₅H₁₁NO₄**
5-Oxo-5*H*-[1]benzopyrano[4,3-*b*]pyridine-3-carboxylic acid; Et ester, *in* O-1-00039
- C₁₅H₁₂Br₄O₂**
Bromdian, B-1-00221
- C₁₅H₁₂FNO**
2-Amino-7-fluorofluorene; *N*-Ac, *in* A-1-00137
- C₁₅H₁₂N₂O**
► Benhepazone, *in* C-1-00193
11*H*-Indeno[1,2-*b*]quinoxalin-11-one; 6,7,8,9-Tetrahydro, *in* I-1-00012
- C₁₅H₁₂N₂O₂**
5-Hydroxy-2-methylpyrazolo[1,5-*a*]pyridine; Benzoyl, *in* H-1-00130
11*H*-Indeno[1,2-*b*]quinoxalin-11-one; 6,7,8,9-Tetrahydro, 5-oxide, *in* I-1-00012
11*H*-Indeno[1,2-*b*]quinoxalin-11-one; 6,7,8,9-Tetrahydro, 10-oxide, *in* I-1-00012
- C₁₅H₁₂N₂O₃**
11*H*-Indeno[1,2-*b*]quinoxalin-11-one; 6,7,8,9-Tetrahydro, 5,10-dioxide, *in* I-1-00012
- C₁₅H₁₂O**
1-Methoxy-2-(phenylethynyl)benzene, *in* P-1-00070
1-Methoxy-3-(phenylethynyl)benzene, *in* P-1-00071
1-Methoxy-4-(phenylethynyl)benzene, *in* P-1-00072
- C₁₅H₁₂O₂**
2,3-Dihydro-7-phenyl-4*H*-1-benzopyran-4-one, D-1-00320
10-Hydroxy-10-methyl-9(10*H*)-anthracenone, H-1-00104
- C₁₅H₁₂O₃**
3,4'-Dihydroxychalcone, D-1-00341
1,8-Dimethoxy-9*H*-fluoren-9-one, *in* D-1-00342
- C₁₅H₁₂O₆**
3,8-Dihydroxy-1,2-dimethylxanthone, *in* T-1-00060
- C₁₅H₁₃BrO₂**
3-Bromodiphenylmethanol; Ac, *in* B-1-00291
- C₁₅H₁₃N**
2-Methyl-5*H*-dibenz[*b,f*]azepine, M-1-00058
3-Methyl-5*H*-dibenz[*b,f*]azepine, M-1-00059
4-Methyl-5*H*-dibenz[*b,f*]azepine, M-1-00060
10-Methyl-5*H*-dibenz[*b,f*]azepine, M-1-00061
- C₁₅H₁₃NOS**
3,4-Dihydro-2-phenyl-1,4-benzothiazepin-5(2*H*)-one, D-1-00321
- C₁₅H₁₃NOSe**
4,5-Diphenyl-2-oxazolidineselone, D-1-00506
- C₁₅H₁₃NO₂**
2-Nitro-1,3-diphenyl-1-propene, N-1-00016
- C₁₅H₁₃NO₂S**
3,4-Dihydro-2-phenyl-1,4-benzothiazepin-5(2*H*)-one; *S*-Oxide, *in* D-1-00321
► Metiazinic acid, *in* P-1-00036
10*H*-Phenothiazine-2-acetic acid; Me ester, *in* P-1-00036
- C₁₅H₁₄NO₄PS**
Dimethyl (10-phenothiazinecarbonyl) phosphonate, *in* P-1-00037
- C₁₅H₁₄NO₅P**
Dimethyl (10-phenoxazinecarbonyl) phosphonate, *in* P-1-00038
- C₁₅H₁₄N₄O₂**
1,5-Diphenyl-3-formazancarboxylic acid; Me ester, *in* D-1-00499
- C₁₅H₁₄O**
1,3-Diphenyl-3-propen-1-ol, D-1-00514
9*H*-Fluorene-2-ethanol, F-1-00002
9*H*-Fluorene-4-ethanol, F-1-00003
9*H*-Fluorene-9-ethanol, F-1-00004
- C₁₅H₁₄O₂Se**
Bis(4-methoxyphenyl)methaneselone, B-1-00183
- C₁₅H₁₄O₃**
Dibenzyl carbonate, D-1-00132
3-Hydroxy-2,3-diphenylpropanoic acid, H-1-00092
- C₁₅H₁₄O₄**
4-Hydroxy-2-naphthalenemethanol; Di-Ac, *in* H-1-00154
8-Hydroxy-1-naphthalenemethanol; Di-Ac, *in* H-1-00155
- C₁₅H₁₄O₄S₂**
1,1-Bis(phenylsulfonyl)cyclopropane, B-1-00198
- C₁₅H₁₅Br₂OP**
Propyl bis(4-bromophenyl)phosphinite, *in* B-1-00136
- C₁₅H₁₅NO₂S**
3,4-Dihydro-1*H*-2,3-benzothiazine; *N*-Benzyl, *S,S*-dioxide, *in* D-1-00261
- C₁₅H₁₅O₂P**
2-Phenyl-2-phosphatricyclo[3.3.1.1^{3,7}]decan-4,8-dione, P-1-00090
- C₁₅H₁₅O₃P**
2-Phenyl-2-phosphatricyclo[3.3.1.1^{3,7}]decan-4,8-dione; 2-Oxide, *in* P-1-00090
- C₁₅H₁₆**
2,3-Dimethyldiphenylmethane, D-1-00393
2,4-Dimethyldiphenylmethane, D-1-00394
2,5-Dimethyldiphenylmethane, D-1-00395
2,6-Dimethyldiphenylmethane, D-1-00396
3,4-Dimethyldiphenylmethane, D-1-00397
3,5-Dimethyldiphenylmethane, D-1-00398
- C₁₅H₁₆N₂O₃**
3-Amino-1,2,3,4-tetrahydro-3-carbazolecarboxylic acid; *N*-Ac, *in* A-1-00209
- C₁₅H₁₆N₄**
2,2-Bis(phenylazo)propane, B-1-00192
- C₁₅H₁₆O₂**
2,3-Diphenyl-1,2-propanediol, D-1-00513
2-(4-Hydroxyphenyl)-1-(4-methoxyphenyl)ethane, *in* D-1-00340
- C₁₅H₁₆O₅**
4,5,7-Trihydroxy-2-naphthalenecarboxylic acid; Tri-Me ether, Me ester, *in* T-1-00230
- C₁₅H₁₇BrO₅**
5-Bromo-5-deoxyxylose; 1,2-*O*-Isopropylidene, 3-benzoyl, *in* B-1-00273
- C₁₅H₁₇IO₅**
5-Deoxy-5-iodoxyxylose; 1,2-*O*-Isopropylidene, 3-benzoyl, *in* D-1-00074
- C₁₅H₁₇NO**
2-Amino-1,1-diphenyl-1-propanol, A-1-00133
- C₁₅H₁₇O₃P**
Dimethyl (diphenylmethyl)phosphonate, *in* D-1-00504
- C₁₅H₁₈**
1-Pentyl-naphthalene, P-1-00026
2-Pentyl-naphthalene, P-1-00027
3-Phenyltricyclo[3.3.1.0^{3,7}]nonane, P-1-00113
- C₁₅H₁₈O**
2,4,6-Tri-2-propenylphenol, T-1-00265
- C₁₅H₁₈O₃S**
Egualen, E-1-00016
- C₁₅H₁₉BrO₄**
4-Bromo-4-deoxyxylose; Benzyl glycoside, 2,3-*O*-isopropylidene, *in* B-1-00259
5-Bromo-5-deoxyxylose; Benzyl glycoside, 2,3-*O*-isopropylidene, *in* B-1-00260
- C₁₅H₁₉ClO₅**
2-Chloro-2-deoxyallose; Me glycoside, 4,6-*O*-benzylidene, 3-Me, *in* C-1-00035
- C₁₅H₁₉FO₆**
Mannopyranosyl fluoride; 4,6-Di-Me, 2-benzoyl, *in* M-1-00004
Mannopyranosyl fluoride; 4,6-Di-Me, 3-benzoyl, *in* M-1-00004
- C₁₅H₁₉IO₄**
5-Deoxy-5-iodoribose; 1,2-*O*-Isopropylidene, 3-benzoyl, *in* D-1-00066
5-Deoxy-5-iodoxyxylose; 1,2-*O*-Isopropylidene, 3-benzoyl, *in* D-1-00074
- C₁₅H₁₉IO₆S**
5-Deoxy-5-iodoxyxylose; 1,2-*O*-Isopropylidene, 3-tosyl, *in* D-1-00074
- C₁₅H₁₉IO₇S**
2-Deoxy-2-iodoxyxylose; Me glycoside, 3-tosyl, 5-Ac, *in* D-1-00071
- C₁₅H₂₀BrN**
1-(1-Adamantyl)pyridinium(1+); Bromide, *in* A-1-00042
- C₁₅H₂₀ClNO₄**
1-(1-Adamantyl)pyridinium(1+); Perchlorate, *in* A-1-00042
- C₁₅H₂₀N[⊕]**
1-(1-Adamantyl)pyridinium(1+), A-1-00042
- C₁₅H₂₁NO₄**
5-Amino-5-deoxyxylose; 1,2-*O*-Isopropylidene, 3-benzoyl, *in* A-1-00111
- C₁₅H₂₁NO₉**
4-Amino-2,7-anhydro-4-deoxy-*allo*-heptulose; 1,3,4*N*,5-Tetra-Ac, *in* A-1-00051
4-Amino-2,7-anhydro-4-deoxy-*altro*-heptulose; 1,3,4*N*,5-Tetra-Ac, *in* A-1-00052
4-Amino-2,7-anhydro-4-deoxy-*gulo*-heptulose; 1,3,4*N*,5-Tetra-Ac, *in* A-1-00053
4-Amino-4-deoxyarabinose; 1,2,3,4*N*, 5-Penta-Ac, *in* A-1-00100
5-Amino-5-deoxyxylose; 1,2,3,4,5*N*-Penta-Ac, *in* A-1-00105

- C₁₅H₂₂N₂O₈**
2,5-Diamino-2,5-dideoxyxylose; 1,2*N*,3,4,5*N*-Penta-Ac, *in* D-1-00102
- C₁₅H₂₂O₂**
6-*tert*-Butyl-3,4-dimethylphenol; Propanoyl, *in* B-1-00419
- C₁₅H₂₃Cl₂OP**
(2,4,6-Triisopropylphenyl)phosphonic acid; Dichloride, *in* T-1-00235
- C₁₅H₂₃NO₂**
2-Amino-3,5-di-*tert*-butylbenzoic acid, A-1-00112
- C₁₅H₂₃NO₈**
5-Amino-5-deoxyidose; 1,2-*O*-Isopropylidene, 3,5*N*,6-tri-Ac, *in* A-1-00103
- C₁₅H₂₃NO₉**
3-Amino-3-deoxyaltrose; Me glycoside, 2,3*N*,4,6-tetra-Ac, *in* A-1-00099
3-Amino-3-deoxygalactose; Me glycoside, 2,3*N*,4,6-tetra-Ac, *in* A-1-00102
3-Amino-3-deoxymannose; Me glycoside, 2,3*N*,4,6-tetra-Ac, *in* A-1-00106
- C₁₅H₂₃N₃O₇**
2,3,5-Triamino-2,3,5-trideoxyribose; 1,2*N*,3*N*,4,5*N*-Penta-Ac, *in* T-1-00141
- C₁₅H₂₄**
Nonylbenzene, N-1-00050
- C₁₅H₂₄N₂O₈**
2,4-Diamino-2,4-dideoxyidose; Me glycoside, 2*N*,3,4*N*,6-tetra-Ac, *in* D-1-00097
2,3-Diamino-2,3-dideoxymannose; Me glycoside, 2*N*,3*N*,4,6-tetra-Ac, *in* D-1-00099
- C₁₅H₂₄O**
Isolongifolene epoxide, I-1-00070
- C₁₅H₂₅NO₉**
5-Amino-5-deoxyribose; Di-Me acetal, 2,3,4,5*N*-tetra-Ac, *in* A-1-00109
- C₁₅H₂₅O₃P**
Dipropyl [4-(1-methylethyl)phenyl]phosphonate, *in* I-1-00081
Monohexyl (4-isopropylphenyl)phosphonate, *in* I-1-00081
(2,4,6-Triisopropylphenyl)phosphonic acid, T-1-00235
- C₁₅H₂₅O₅P**
Bis(1,1-dimethylethyl) (2-hydroxy-6-methoxyphenyl)phosphonate, *in* D-1-00351
Bis(2-methylpropyl) (2-hydroxy-6-methoxyphenyl)phosphonate, *in* D-1-00351
- C₁₅H₂₆N₄O₆**
2,3,4,6-Tetraamino-2,3,4,6-tetraoxyidose; Me glycoside, 2*N*,3*N*,4*N*,6*N*-tetra-Ac, *in* T-1-00001
- C₁₅H₂₆O**
6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol, I-1-00071
- C₁₅H₂₇I**
1-Iodo-1-pentadecyne, I-1-00054
- C₁₅H₂₇N₂P**
Benzylphosphonous bis(diethylamide), *in* B-1-00071
- C₁₅H₂₈**
1-Pentadecyne, P-1-00012
- C₁₅H₂₈O**
3,6-Pentadecadien-1-ol, P-1-00010
10-Pentadecyn-1-ol, P-1-00013
- C₁₅H₂₈O₃**
4-Oxopentadecanoic acid, O-1-00049
- C₁₅H₂₉NO₂**
1,1-Bis(cyclohexyloxy)trimethylamine, B-1-00139
- C₁₅H₃₂NO₃P**
Dibutyl [1-(aminomethyl)-1-cyclohexyl]phosphonate, *in* A-1-00165
- C₁₅H₃₂O₂**
1,15-Pentadecanediol, P-1-00011
- C₁₅H₃₃O₆P**
Dibutyl [(triethoxy)methyl]phosphonate, *in* T-1-00180
- C₁₆H₄N₄S₂**
2,6-Bis(dicyanomethylene)-2,6-dihydrobenzo[1,2-*b*:4,5-*b'*]dithiophene, B-1-00146
2,7-Bis(dicyanomethylene)-2,7-dihydrobenzo[1,2-*b*:4,3-*b'*]dithiophene, B-1-00147
2,7-Bis(dicyanomethylene)-2,7-dihydrobenzo[2,1-*b*:3,4-*b'*]dithiophene, B-1-00148
- C₁₆H₁₀F₁₂O₄**
 α,α,α' -Tetrakis(trifluoromethyl)-1,3-benzenedimethanol; Di-Ac, *in* T-1-00074
- C₁₆H₁₀N₂**
4-Cyano-1-phenylisoquinoline, *in* P-1-00079
4-Cyano-3-phenylisoquinoline, *in* P-1-00080
- C₁₆H₁₀N₂OS**
4,6-Diphenylthieno[3,4-*c*]-1,2,5-oxadiazole-5-*S*^{iv}, D-1-00522
- C₁₆H₁₀N₃O₃P**
(Tricyanomethyl)phosphonic acid; Di-Ph ester, *in* T-1-00169
- C₁₆H₁₀O**
4,4'-Diethynyldiphenyl ether, D-1-00233
- C₁₆H₁₀O₂**
2-Phenyl-1,4-naphthoquinone, P-1-00082
5-Phenyl-1,4-naphthoquinone, P-1-00083
- C₁₆H₁₀O₂S**
4,4'-Diethynyldiphenyl sulfone, *in* D-1-00234
- C₁₆H₁₀O₂S₂**
1,2-Phenylenebis[2-thienylmethanone], P-1-00067
- C₁₆H₁₀O₃**
2-Benzoyl-4*H*-1-benzopyran-4-one, B-1-00043
3-Benzoyl-4*H*-1-benzopyran-4-one, B-1-00044
- C₁₆H₁₀O₆**
Benzil-3,3'-dicarboxylic acid, B-1-00009
Benzil-4,4'-dicarboxylic acid, B-1-00010
- C₁₆H₁₀S**
4,4'-Diethynyldiphenyl sulfide, D-1-00234
- C₁₆H₁₀S₃**
1,3-Di-2-thienylbenzo[*c*]thiophene, D-1-00533
- C₁₆H₁₁BrO₂**
10-Bromo-9-anthracenecarboxylic acid; Me ester, *in* B-1-00224
- C₁₆H₁₁ClO₆**
6*H*-[1]Benzopyrano[4,3-*b*][1]benzopyrylium(1+); Perchlorate, *in* B-1-00023
7*H*-1-Benzopyrano[3,2-*c*]benzopyrylium(1+); Perchlorate, *in* B-1-00024
- C₁₆H₁₁N**
11*H*-Cyclohepta[*b*]indeno[2,1-*d*]pyrrole, C-1-00191
11*H*-Cyclopenta[*e*]indeno[1,2-*b*]azepine, C-1-00215
- C₁₆H₁₁NO₂**
1-Phenyl-3-isoquinolinecarboxylic acid, P-1-00078
1-Phenyl-4-isoquinolinecarboxylic acid, P-1-00079
3-Phenyl-4-isoquinolinecarboxylic acid, P-1-00080
- C₁₆H₁₁NO₃**
5-Hydroxy-4-phenylisoxazole; *N*-Benzoyl, *in* H-1-00170
- C₁₆H₁₁O₂[⊕]**
6*H*-[1]Benzopyrano[4,3-*b*][1]benzopyrylium(1+), B-1-00023
7*H*-1-Benzopyrano[3,2-*c*]benzopyrylium(1+), B-1-00024
- C₁₆H₁₂**
9,10-Dihydroindeno[1,2-*a*]indene, D-1-00294
1,4-Diphenyl-1-buten-3-yne, D-1-00495
- C₁₆H₁₂N₂**
1-(Phenylazo)azulene, P-1-00045
- C₁₆H₁₂N₂O₄**
1,10-Phenanthroline-4,7-dicarboxylic acid; Di-Me ester, *in* P-1-00035
- C₁₆H₁₂O**
Dibenzo[*a,d*]cycloocten-12(5*H*)-one, D-1-00126
- C₁₆H₁₂O₂**
3-(Phenylethynyl)phenol; Ac, *in* P-1-00071
- C₁₆H₁₂O₄**
Benzil-4-carboxylic acid; Me ester, *in* B-1-00008
- C₁₆H₁₂O₆**
1,8-Dimethoxy-2,3-methylenedioxyxanthone, *in* T-1-00060
- C₁₆H₁₃BrN₂**
4-Bromo-4-methyl-3,5-diphenyl-4*H*-pyrazole, B-1-00327
- C₁₆H₁₃NO₂**
5-Hydroxy-1-methyl-2-phenyl-4(1*H*)-quinolinone, *in* D-1-00352
- C₁₆H₁₃NO₄**
9*H*-Carbazole-3,6-diol; Di-Ac, *in* C-1-00005
- C₁₆H₁₃N₂OP**
2,2'-(Phenylphosphinylidene)bispyridine, *in* P-1-00052
- C₁₆H₁₃N₂P**
Phenylbis(2-pyridinyl)phosphine, P-1-00052
- C₁₆H₁₃N₂PS**
2,2'-(Phenylphosphinothioylidene)bispyridine, *in* P-1-00052
- C₁₆H₁₄**
1,2-Bis(2-methylphenyl)acetylene, B-1-00185
1,2-Bis(3-methylphenyl)acetylene, B-1-00186
1,2-Bis(4-methylphenyl)acetylene, B-1-00187
- C₁₆H₁₄Br₄**
2,2',3,3'-Tetrakis(bromomethyl)biphenyl, T-1-00065
2,2',6,6'-Tetrakis(bromomethyl)biphenyl, T-1-00066
3,3',4,4'-Tetrakis(bromomethyl)biphenyl, T-1-00067
3,3',5,5'-Tetrakis(bromomethyl)biphenyl, T-1-00068
- C₁₆H₁₄N₂O**
2,3-Dihydro-1*H*-cycloheptapyrazine; *N*-Benzoyl, *in* D-1-00263
- C₁₆H₁₄O₂**
1,1'-(1,2-Ethyne-diyl)bis[2-methoxybenzene], *in* B-1-00180
1,1'-(1,2-Ethyne-diyl)bis[3-methoxybenzene], *in* B-1-00181
1,1'-(1,2-Ethyne-diyl)bis[4-methoxybenzene], *in* B-1-00182
2-(2-Fluorenyl)propanoic acid, F-1-00006
10-Methoxy-10-methyl-9(10*H*)-anthracenone, *in* H-1-00104
- C₁₆H₁₄O₂S**
Bis(4-acetylphenyl) sulfide, B-1-00118
- C₁₆H₁₄O₃**
Bis(4-acetylphenyl) ether, B-1-00117
3-Methoxy-4'-hydroxychalcone, *in* D-1-00341
- C₁₆H₁₄O₄**
1,2-Acenaphthenedicarboxylic acid; Di-Me ester, *in* A-1-00001
2,2'-Ethylenedioxybisbenzaldehyde, E-1-00015
- C₁₆H₁₄O₄S**
Bis(4-acetylphenyl) sulfone, *in* B-1-00118
- C₁₆H₁₅Br**
1-Bromo-1-methyl-2,2-diphenylcyclopropane, B-1-00326

- C₁₆H₁₅N**
10,11-Dihydro-10,5-(iminomethano)-5H-dibenzo[a,d]cycloheptene, D-1-00293
- C₁₆H₁₅NO₂**
4-Nitro[2,2]paracyclophane, N-1-00028
1,2,3,4-Tetrahydro-4-phenyl-3-isoquinolinecarboxylic acid, T-1-00050
- C₁₆H₁₅NO₆**
6-Nitro-2,3-naphthalenedicarboxylic acid; Di-Et ester, in N-1-00025
- C₁₆H₁₅N₂O₉P**
Cyclic UMP; 2'-Benzoyl, in C-1-00187
- C₁₆H₁₆N₂O₅**
2',3'-Dideoxyuridine; 5'-Benzoyl, in D-1-00220
- C₁₆H₁₆N₄O₂**
1,5-Diphenyl-3-formazancarboxylic acid; Et ester, in D-1-00499
- C₁₆H₁₆O**
2,3-Dibenzylloxirane, D-1-00133
9-(2-Methoxyethyl)-9H-fluorene, in F-1-00004
- C₁₆H₁₆O₄S₂**
2,3,7,8-Tetramethoxythianthrene, in T-1-00109
- C₁₆H₁₆O₆**
4,5,7-Trihydroxy-2-naphthalenecarboxylic acid; 5,7-Di-Me ether, 4-Ac, Me ester, in T-1-00230
- C₁₆H₁₇BrO₇**
2-Bromo-2-deoxyarabinose; 1-Benzoyl, 3,4-di-Ac, in B-1-00250
4-Bromo-4-deoxylyxose; 1-Benzoyl, 2,3-di-Ac, in B-1-00259
2-Bromo-2-deoxyxylose; 1-Benzoyl, 3,4-di-Ac, in B-1-00270
- C₁₆H₁₇IO₇**
2-Deoxy-2-iodoribose; Me glycoside, 1-benzoyl, 3,4-di-Ac, in D-1-00064
- C₁₆H₁₇NO₂**
2-Amino-2-benzyl-3-phenylpropanoic acid, A-1-00062
3-Amino-1-phenyl-1-propanol; N-Benzoyl, in A-1-00199
- C₁₆H₁₇N₂O₈P**
Cyclic UMP; Benzyl ester, in C-1-00187
- C₁₆H₁₇N₅O₄**
8-Phenyladenosine, P-1-00042
- C₁₆H₁₇O₄P**
Dimethyl (2-oxo-1,2-diphenylethyl)phosphonate, in O-1-00043
- C₁₆H₁₈ClO₂P**
Butyl (4-chlorophenyl)phenylphosphinate, in C-1-00154
- C₁₆H₁₈F₂NP**
N,N-Diethyl-P,P-bis(3-fluorophenyl)phosphinous amide, in B-1-00168
N,N-Diethyl-P,P-bis(4-fluorophenyl)phosphinous amide, in B-1-00167
- C₁₆H₁₈IO₂P**
2-Methyl-4,8-dioxo-2-phenyl-2-phosphonia-tricyclo[3.3.1.1^{3,7}]decane, in P-1-00090
- C₁₆H₁₈NO₃P**
Phenyl (4-morpholinyl)phenylphosphinate, in M-1-00137
- C₁₆H₁₈N₂**
Metapramine, in A-1-00118
- C₁₆H₁₈O₂**
1,2-Bis(2-methoxyphenyl)ethane, in D-1-00338
1,2-Bis(4-methoxyphenyl)ethane, in D-1-00340
1,2-Bis(3-methoxyphenylethane), in D-1-00339
1,2-Bis(2-methylphenyl)-1,2-ethanediol, B-1-00188
1,2-Diphenyl-2,3-butanediol, D-1-00494
- C₁₆H₁₈O₆**
1,2-Bis(4-hydroxy-3-methoxyphenyl)-1,2-ethanediol, in B-1-00150
- C₁₆H₁₉BrO₆**
3-Bromo-3-deoxyaltrose; Me glycoside, 4,6-O-benzylidene, 2-Ac, in B-1-00248
1-Bromo-1-deoxyfructose; 2,3-O-Isopropylidene, 6-benzoyl, in B-1-00252
3-Bromo-3-deoxyglucose; Me glycoside, 4,6-O-benzylidene, 2-Ac, in B-1-00253
6-Bromo-6-deoxyidose; 1,2-O-Isopropylidene, 5-benzoyl, in B-1-00256
2-Bromo-2-deoxymannose; Me glycoside, 4,6-O-benzylidene (R-), 3-Ac, in B-1-00261
- C₁₆H₁₉ClO₆**
3-Chloro-3-deoxyallose; Me glycoside, 4,6-O-benzylidene (R-), 2-Ac, in C-1-00036
3-Chloro-3-deoxyaltrose; Me glycoside, 4,6-O-benzylidene, 2-Ac, in C-1-00038
- C₁₆H₁₉F**
2-Fluoro-2-phenyladamantane, F-1-00049
- C₁₆H₁₉FO₆**
3-Deoxy-3-fluoroidose; 1,2-O-Isopropylidene, 6-benzoyl, in D-1-00030
- C₁₆H₁₉IO₆**
2-Deoxy-2-iodoaltrose; Me glycoside, 4,6-O-benzylidene, 3-Ac, in D-1-00046
2-Deoxy-2-iodoidose; Me glycoside, 4,6-O-benzylidene, 3-Ac, in D-1-00056
- C₁₆H₁₉NP₂**
3,4-Bis(phenylphosphino)pyrrolidine, B-1-00196
- C₁₆H₁₉O₂PSi**
Trimethylsilyl diphenylphosphinecarboxylate, in D-1-00507
- C₁₆H₂₀**
1-Hexylnaphthalene, H-1-00050
2-Hexylnaphthalene, H-1-00051
2-Tricyclo[3.3.0.0^{3,7}]octylidene-tricyclo[3.3.0.0^{3,7}]octane, T-1-00173
- C₁₆H₂₀BrIO₅S**
6-Deoxy-6-iodomannose; Me glycoside, 2,3-O-isopropylidene, 4-brosyl, in D-1-00061
- C₁₆H₂₀P₂**
1,1-Diethyl-2,2-diphenyldiphosphine, D-1-00225
1,2-Diethyl-1,2-diphenyldiphosphine, D-1-00226
- C₁₆H₂₁BrO₆**
6-Bromo-6-deoxyallose; Me glycoside, 4-benzoyl, 2,3-di-Me, in B-1-00246
- C₁₆H₂₁ClO₆S**
Rhamnofuranosyl chloride; 2,3-O-Isopropylidene, 5-tosyl, in R-1-00001
- C₁₆H₂₁IO₇S**
6-Deoxy-6-iodosorbose; 2,3-O-Isopropylidene, 1-tosyl, in D-1-00068
- C₁₆H₂₁NO₅S**
5-Amino-5-deoxyarabinose; 1,2-O-Isopropylidene, 3-mesyl, N-benzoyl, in A-1-00101
- C₁₆H₂₂N₂O₅**
2,5-Diamino-2,5-dideoxyribose; Benzyl glycoside, 2N,5N-di-Ac, in D-1-00100
2,5-Diamino-2,5-dideoxyxylose; Benzyl glycoside, 2N,5N-di-Ac, in D-1-00102
- C₁₆H₂₂O₄**
1-Phenyl-1,6-hexanediol; Di-Ac, in P-1-00074
- C₁₆H₂₃NO₅**
4-Amino-4-deoxymannose; Benzyl glycoside, 2,3-O-isopropylidene, in A-1-00107
- C₁₆H₂₃NO₁₀**
3-Amino-3-deoxymannose; 1,2,3N,4,6-Penta-Ac, in A-1-00106
- C₁₆H₂₃N₃O₄**
5,6,7,8,9,10,11,12-Octahydro-2H-1,15,4,8,12-benzodioxatriazacycloheptadecine-3,13(4H,14H)-dione, O-1-00012
- C₁₆H₂₄ClP**
(2-Isopropyl-5-methylcyclohexyl)phenylphosphinous chloride, I-1-00076
- C₁₆H₂₄N₃O₃P**
[1-Amino-2-(4-imidazolyl)ethyl]phosphonic acid; N-Benzyl, di-Et ester, in A-1-00152
- C₁₆H₂₄S₂**
Tetraisopropylidene-1,2-dithiane, T-1-00063
Tetraisopropylidene-1,4-dithiane, T-1-00064
- C₁₆H₂₅NO₄S₂**
4-Amino-4-deoxyxylose; 1,1-Diethyl dithioacetal, N-benzoyl, in A-1-00110
- C₁₆H₂₅O₄P**
Di-tert-butyl [(4-formylphenyl)methyl]phosphonate, in F-1-00066
- C₁₆H₂₅O₅P**
Dibutyl (4-methoxybenzoyl)phosphonate, in M-1-00013
- C₁₆H₂₆O₄**
[1,1'-Bicyclohexyl]-4,4'-dicarboxylic acid; Di-Me ester, in B-1-00091
- C₁₆H₂₇O₆P**
Bis(1,1-dimethylethyl) (2-hydroxy-4,6-dimethoxyphenyl)phosphonate, in T-1-00231
- C₁₆H₃₀N₃P**
[2-(Dimethylamino)phenyl]phosphonous acid; Bis(diethylamide), in D-1-00370
- C₁₆H₃₁N₇O₆**
Thymotrinan, T-1-00137
- C₁₆H₃₂O**
15-Hexadecen-1-ol, H-1-00026
- C₁₆H₃₂O₂**
2,6,10-Trimethyltridecanoic acid, T-1-00251
- C₁₆H₃₂O₄**
8,16-Dihydroxyhexadecanoic acid, D-1-00343
- C₁₆H₃₃Cl₂OP**
Hexadecylphosphonic acid; Dichloride, in H-1-00027
- C₁₆H₃₃O₂P**
Diisopropyl(L-menthyl)phosphonite, in I-1-00078
- C₁₆H₃₄O₄S₂**
Diocetyl disulfone, in D-1-00488
- C₁₆H₃₄S₂**
Diocetyl disulfide, D-1-00488
- C₁₆H₃₅O₃P**
Diethyl dodecylphosphonate, in D-1-00552
Hexadecylphosphonic acid, H-1-00027
- C₁₆H₃₆BrN**
Dimethyl-dodecylethylammonium(1+); Bromide, in D-1-00402
- C₁₆H₃₆N[⊕]**
Dimethyl-dodecylethylammonium(1+), D-1-00402
- C₁₆H₃₆OP₂**
1,2-Dibutyl-1,2-di-tert-butyl-diphosphine; Monoxide, in D-1-00167
- C₁₆H₃₆P₂**
1,2-Dibutyl-1,2-di-tert-butyl-diphosphine, D-1-00167
- C₁₆H₃₆P₂S**
1,2-Dibutyl-1,2-di-tert-butyl-diphosphine; Monosulfide, in D-1-00167
- C₁₆H₃₇P₃**
1,1,3,3-Tetra-tert-butyltriphosphine, T-1-00007
- C₁₆H₄₀N₄O₁₂P₄**
1,4,7,10-Tetrakis[2-(dihydroxyphosphinyl)ethyl]-1,4,7,10-tetraazacyclododecane, T-1-00069
- C₁₇H₈Cl₂F₈N₂O₃**
Lufenuron, L-1-00002
- C₁₇H₉NS₂**
[1]Benzothieno[2',3':4,5]thieno[2,3-c]quinoline, B-1-00030

- C₁₇H₉NS₄
Bis[1,4]benzodithiino[2,3-*b*:2',3'-*e*]pyridine, B-1-00119
- C₁₇H₁₀O
4,4'-Diethynylbenzophenone, D-1-00231
- C₁₇H₁₁NO₂
[1]Benzopyrano[4,3-*b*]pyrrol-4(1*H*)-one; *N*-Ph, in B-1-00027
- C₁₇H₁₂ClNO₂
3-Amino-4-chloro-3-cyclobutene-1,2-dione; *N*-Benzyl, *N*-Ph, in A-1-00074
- C₁₇H₁₂N₂
2-Cyano-3,5-diphenylpyrrole, in D-1-00519
3-Cyano-2,4-diphenylpyrrole, in D-1-00516
3-Cyano-2,5-diphenylpyrrole, in D-1-00517
4-Cyano-2,3-diphenylpyrrole, in D-1-00520
- C₁₇H₁₂S
12*H*-Benzo[*a*]thioxanthene, B-1-00034
7*H*-Benzo[*c*]thioxanthene, B-1-00035
- C₁₇H₁₃BrO₂
10-Bromo-9-anthracenecarboxylic acid; Et ester, in B-1-00224
- C₁₇H₁₃ClFNO₄
CGA 184927, C-1-00009
- C₁₇H₁₃ClO₂
6-Chloro-9-phenanthrenecarboxylic acid; Et ester, in C-1-00144
- C₁₇H₁₃N
4-(4-Phenyl-1,3-butadienyl)benzotrile, in P-1-00053
- C₁₇H₁₃NO
1*H*-1-Benzazepine; *N*-Benzoyl, in B-1-00001
2-Benzoyl-5-phenylpyrrole, B-1-00053
3-Benzoyl-4-phenylpyrrole, B-1-00054
3-Benzoyl-5-phenylpyrrole, B-1-00055
- C₁₇H₁₃NO₂
2,4-Diphenyl-1*H*-pyrrole-3-carboxylic acid, D-1-00516
2,5-Diphenyl-1*H*-pyrrole-3-carboxylic acid, D-1-00517
3,4-Diphenyl-1*H*-pyrrole-2-carboxylic acid, D-1-00518
3,5-Diphenyl-1*H*-pyrrole-2-carboxylic acid, D-1-00519
4,5-Diphenyl-1*H*-pyrrole-3-carboxylic acid, D-1-00520
- C₁₇H₁₄NP
3-(Diphenylphosphino)pyridine, D-1-00511
- C₁₇H₁₄N₂O₂
4-Benzoyl-1,2-dihydro-5-methyl-2-phenyl-3*H*-pyrazol-3-one, B-1-00050
- C₁₇H₁₄O
Dicubyl ketone, D-1-00208
- C₁₇H₁₄O₂
4-(4-Phenyl-1,3-butadienyl)benzoic acid, P-1-00053
- C₁₇H₁₄O₃
10-Hydroxy-10-methyl-9(10*H*)-anthracenone; Ac, in H-1-00104
- C₁₇H₁₅N
1*H*-1-Benzazepine; *N*-Benzyl, in B-1-00001
1-Cyano[2.2]paracyclophane, in P-1-00002
4-Cyano[2.2]paracyclophane, in P-1-00003
- C₁₇H₁₆IN₂P
Phenylbis(2-pyridinyl)phosphine; Monomethiodide, in P-1-00052
- C₁₇H₁₆O
5,5-Diphenyl-2-cyclopenten-1-ol, D-1-00496
- C₁₇H₁₆O₂
10-Ethoxy-10-methyl-9(10*H*)-anthracenone, in H-1-00104
9*H*-Fluorene-2-ethanol; Ac, in F-1-00002
9*H*-Fluorene-4-ethanol; Ac, in F-1-00003
- [2.2]Paracyclophane-1-carboxylic acid, P-1-00002
[2.2]Paracyclophane-4-carboxylic acid, P-1-00003
- C₁₇H₁₆O₃
3,4-Dimethoxychalcone, in D-1-00341
- C₁₇H₁₆O₆
4,4'-[1,3-Propanediylbis(oxy)]bisbenzoic acid, P-1-00129
- C₁₇H₁₇N
10,11-Dihydro-10,5-(iminomethano)-5*H*-dibenzo[*a,d*]cycloheptene; *N*-Me, in D-1-00293
- C₁₇H₁₇NO
[2.2]Paracyclophane-4-carboxylic acid; Amide, in P-1-00003
- C₁₇H₁₇NO₂
1,2,3,4-Tetrahydro-4-phenyl-3-isouinolincarboxylic acid; *N*-Me, in T-1-00050
- C₁₇H₁₈NO₄PS
Diethyl (10-phenothiazinecarbonyl)phosphonate, in P-1-00037
- C₁₇H₁₈NO₅P
Diethyl (10-phenoxazinecarbonyl)phosphonate, in P-1-00038
- C₁₇H₁₈O₂
4-Hydroxy-2',3'-dimethylacetophenone; Benzyl ester, in H-1-00081
- C₁₇H₁₈O₈
Tricyclo[3.3.1.0^{2,8}]nona-3,6-diene-2,4,6,8-tetracarboxylic acid; Tetra-Me ester, in T-1-00172
- C₁₇H₁₉N₃
2,3,5,6-Tetrahydro-1*H*,4*H*,12*cH*-3*a*,6*a*,12*b*-triazaperylene, T-1-00057
- C₁₇H₁₉O₂P
Diethyl 9*H*-9-fluorenylphosphonite, in F-1-00005
- C₁₇H₂₁BrO₆
5-Bromo-5-deoxyidose; 1,2-*O*-Isopropylidene, 6-Me, 3-benzoyl, in B-1-00255
- C₁₇H₂₁IO₆
6-Deoxy-6-iodomannose; Me glycoside, 2,3-*O*-isopropylidene, 4-benzoyl, in D-1-00061
- C₁₇H₂₁NO₆
4-Amino-4-deoxyribose; 1,2-*O*-Isopropylidene, 5-benzoyl, *N*-Ac, in A-1-00110
- C₁₇H₂₁O₃P
Diethyl (diphenylmethyl)phosphonate, in D-1-00504
- C₁₇H₂₂
1-Heptylnaphthalene, H-1-00019
2-Heptylnaphthalene, H-1-00020
- C₁₇H₂₂O₆
2-Phenyl-1,1,1-ethanetricarboxylic acid; Tri-Et ester, in P-1-00069
- C₁₇H₂₃NO₅
5-Amino-5-deoxyribose; Benzyl glycoside, 2,3-*O*-isopropylidene, *N*-Ac, in A-1-00105
5-Amino-5-deoxyribose; Benzyl glycoside, 2,3-*O*-isopropylidene, *N*-Ac, in A-1-00109
- C₁₇H₂₃NO₇
5-Amino-5-deoxyidose; 1,2-*O*-Isopropylidene, *N*-benzyloxycarbonyl, in A-1-00103
- C₁₇H₂₄N₂O₅
2,4-Diamino-2,4,6-trideoxyidose; Benzyl glycoside, 2*N*,4*N*-di-Ac, in D-1-00110
- C₁₇H₂₄N₄O₉
9-Deazaadenosine; 5'-*O*- α -D-Glucopyranoside, in D-1-00001
- C₁₇H₂₄O₅
3,4,5-Trimethoxycinnamyl isovalerate, in T-1-00233
- C₁₇H₂₅N₃O₄
5,6,7,8,9,10,11,12-Octahydro-2*H*-1,15,4,8,12-benzodioxatriazacycloheptadecine-3,13(4*H*,14*H*)-dione; 8-Me, in O-1-00012
- C₁₇H₂₆N₂O₉
2,4-Diamino-2,4-dideoxyidose; Me glycoside, 2*N*,3,4*N*,4*N*,6-penta-Ac, in D-1-00097
- C₁₇H₂₈O₂
6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol; Ac, in I-1-00071
- C₁₇H₃₂O₂
2,4-Heptadecanedione, H-1-00009
- C₁₇H₃₄O
10-Heptadecen-1-ol, H-1-00010
16-Heptadecen-1-ol, H-1-00011
- C₁₇H₃₄O₂
2,6,10-Trimethyltridecanoic acid; Me ester, in T-1-00251
- C₁₇H₃₄O₄
Nerfol, in D-1-00343
- C₁₇H₃₆F₃N₂P
N,N,N',*N'*-Tetrabutyl-*P*-(trifluoromethyl)phosphonous diamide, in T-1-00211
- C₁₇H₃₆O₂
1,17-Heptadecanediol, H-1-00008
- C₁₈
Cyclooctadecanonayne, C-1-00211
- C₁₈Cl₁₂
Dodecachlorotriphenylene, D-1-00543
- C₁₈F₁₅O₃P
Tris(pentafluorophenyl)phosphite, T-1-00275
- C₁₈H₆
3,3,8,8-Tetraethynyl-1,4,6,9-decatetrayne, T-1-00020
- C₁₈H₉PS₁₂
Tris(tetrathiafulvalenyl)phosphine, T-1-00277
- C₁₈H₁₀N₂OSe
[1,4]Oxaselenino[3,2-*c*:5,6-*c'*]diquinoline, O-1-00033
- C₁₈H₁₀N₂O₄
 $\Delta^{4,4}$ -Bi(5-oxo-2-phenyl-4(5*H*)-oxazole), B-1-00106
2,6-Diphenyl[1,3]oxazino[5,4-*d*][1,3]oxazine-4,8-dione, D-1-00505
- C₁₈H₁₀N₂Sse
[1,4]Thiaselenino[3,2-*c*:5,6-*c'*]diquinoline, T-1-00110
- C₁₈H₁₀N₂Se₂
[1,4]Diselenino[2,3-*c*:6,5-*c'*]diquinoline, D-1-00529
- C₁₈H₁₀O₂
1-Benzopyrano[6,5,4-*ma*]xanthene, B-1-00028
- C₁₈H₁₀O₈
2,3,6,7-Anthracenetetracarboxylic acid, A-1-00236
- C₁₈H₁₀S₄
[1,4]Benzodithiino[2,3-*b*]thianthrene, B-1-00016
- C₁₈H₁₀Se
Triphenylene[1,12-*bcd*]selenophene, T-1-00260
- C₁₈H₁₁ClN₂
3-Chloro-11,12-dihydroindolo[2,3-*a*]carbazole, C-1-00078
- C₁₈H₁₂Br₂
2,2''-Dibromo-1,1':4',1''-terphenyl, D-1-00158
3,3''-Dibromo-1,1':4',1''-terphenyl, D-1-00159
4,4''-Dibromo-1,1':4',1''-terphenyl, D-1-00160
- C₁₈H₁₂Cl₂
3,3''-Dichloro-1,1':4',1''-terphenyl, D-1-00195
4,4''-Dichloro-1,1':4',1''-terphenyl, D-1-00196
- C₁₈H₁₂I₂
4,4''-Diiodo-1,1':4',1''-terphenyl, D-1-00360

- C₁₈H₁₂N₂**
3-Cyano-2,5-diphenylpyridine, *in* D-1-00515
- C₁₈H₁₂N₂O₂Se**
3,3'-Selenobis[1,4-dihydro-4-quinolinone], S-1-00001
- C₁₈H₁₂O₂S₂**
6a,6b,12b,12c-Tetrahydrocyclobuta[1,2-c:4,3-c'] di[1]benzothiopyran-6,7-dione, T-1-00031
- C₁₈H₁₂S₄**
1,2:5,6-Bis(ethylenedithio)pyracylene, B-1-00163
- C₁₈H₁₃Br₂OP**
Phenyl bis(4-bromophenyl)phosphinite, *in* B-1-00136
- C₁₈H₁₃NO₂**
2,5-Diphenyl-3-pyridinecarboxylic acid, D-1-00515
- C₁₈H₁₄**
Dicubylacetylene, D-1-00206
- C₁₈H₁₄I₂^{2⊕}**
1,4-Phenylenebis[phenyliodonium], P-1-00065
- C₁₈H₁₄N₂O**
2,5-Diphenyl-3-pyridinecarboxylic acid; Amide, *in* D-1-00515
- C₁₈H₁₄O₆**
Benzil-4,4'-dicarboxylic acid; Di-Me ester, *in* B-1-00010
- C₁₈H₁₅BrO**
2-Bromo-4,4-diphenyl-2-cyclohexene-1-one, B-1-00283
6-Bromo-4,4-diphenyl-2-cyclohexen-1-one, B-1-00284
- C₁₈H₁₅NO₂**
2,5-Diphenyl-1*H*-pyrrole-3-carboxylic acid; *N*-Me, *in* D-1-00517
2,4-Diphenyl-1*H*-pyrrole-3-carboxylic acid; Me ester, *in* D-1-00516
2,5-Diphenyl-1*H*-pyrrole-3-carboxylic acid; Me ester, *in* D-1-00517
3,4-Diphenyl-1*H*-pyrrole-2-carboxylic acid; Me ester, *in* D-1-00518
3,5-Diphenyl-1*H*-pyrrole-2-carboxylic acid; Me ester, *in* D-1-00519
4,5-Diphenyl-1*H*-pyrrole-3-carboxylic acid; Me ester, *in* D-1-00520
1-Phenyl-3-isoquinolinecarboxylic acid; Et ester, *in* P-1-00078
3-Phenyl-4-isoquinolinecarboxylic acid; Et ester, *in* P-1-00080
- C₁₈H₁₅NO₃**
▶ Delmetacin, *in* M-1-00073
- C₁₈H₁₅OP**
2,3-Dihydro-3-phenyl-1*H*-benzo[e]phosphindole; *P*-Oxide, *in* D-1-00319
- C₁₈H₁₅P**
2,3-Dihydro-3-phenyl-1*H*-benzo[e]phosphindole, D-1-00319
- C₁₈H₁₅PS₂Te**
(Diphenylphosphinodithioato) phenyltellurium(II), D-1-00509
- C₁₈H₁₅P₃Se₂**
2,4,5-Triphenyl-1,3,2,4,5-diselenatriphospholane, T-1-00259
- C₁₈H₁₆O**
2,5-Dimethyl-3,4-diphenylfuran, D-1-00391
3,4-Dimethyl-2,5-diphenylfuran, D-1-00392
- C₁₈H₁₆O₂**
4-(4-Phenyl-1,3-butadienyl)benzoic acid; Me ester, *in* P-1-00053
- C₁₈H₁₆O₆**
1,4,5,8-Tetramethoxyanthraquinone, *in* T-1-00059
- C₁₈H₁₇NO**
10,11-Dihydro-10,5-(iminomethano)-5*H*-dibenzo[*a,d*]cycloheptene; *N*-Ac, *in* D-1-00293
- C₁₈H₁₈**
1,1-Diphenyl-1,5-hexadiene, D-1-00500
- C₁₈H₁₈O₂**
1,1'-(1,2-Ethyne-diyl)bis[4-ethoxybenzene], *in* B-1-00182
[2.2]Paracyclophane-1-carboxylic acid; Me ester, *in* P-1-00002
[2.2]Paracyclophane-4-carboxylic acid; Me ester, *in* P-1-00003
- C₁₈H₁₉NO₄**
Ethyl 2,3,6,7-tetrahydro-11-oxo-1*H*,5*H*,11*H*-[1] benzopyrano[6,7,8-*ij*]quinolizine-10-carboxylate, E-1-00026
- C₁₈H₁₉O₄P**
1,6-Anhydro-4-deoxy-4-(diphenylphosphino) glucopyranose, A-1-00229
- C₁₈H₂₀O₈S₄**
2,3,6,7-Tetrakis(hydroxymethyl) tetrathiafulvalene; Tetra-Ac, *in* T-1-00073
- C₁₈H₂₀P₂**
1,4-Phenylenebis(3,4-dimethyl-1*H*-phosphole), P-1-00064
- C₁₈H₂₁BrO₇**
6-Bromo-6-deoxyidose; 1,2-*O*-Isopropylidene, 5-benzoyl, 3-Ac, *in* B-1-00256
- C₁₈H₂₁BrO₈**
6-Bromo-6-deoxyallose; Me glycoside, 4-benzoyl, 2,3-di-Ac, *in* B-1-00246
6-Bromo-6-deoxyaltrose; Me glycoside, 4-benzoyl, 2,3-di-Ac, *in* B-1-00249
6-Bromo-6-deoxymannose; Me glycoside, 4-benzoyl, 2,3-di-Ac, *in* B-1-00262
- C₁₈H₂₁ClO₇**
5-Chloro-5-deoxyidose; 1,2-*O*-Isopropylidene, 6-benzoyl, 3-Ac, *in* C-1-00048
5-Chloro-5-deoxytalose; 1,2-*O*-Isopropylidene, 3-benzoyl, 6-Ac, *in* C-1-00057
- C₁₈H₂₁ClO₈**
6-Chloro-6-deoxymannose; Me glycoside, 4-benzoyl, 2,3-di-Ac, *in* C-1-00053
- C₁₈H₂₁O₄P**
Diethyl (2-oxo-1,2-diphenylethyl)phosphonate, *in* O-1-00043
- C₁₈H₂₂FP**
Bis(2,4,6-trimethylphenyl)phosphinous fluoride, B-1-00214
- C₁₈H₂₂F₂NP**
P,P-Bis(3-fluorophenyl)-*N,N*-dipropylphosphinous amide, *in* B-1-00168
P,P-Bis(4-fluorophenyl)-*N,N*-dipropylphosphinous diamide, *in* B-1-00167
- C₁₈H₂₂O₂**
16,17-Epoxyestra-1,3,5(10)-trien-3-ol, E-1-00007
- C₁₈H₂₂O₂P₂**
1,5-Diphenyl-1,5-diphosphocane; 1,5-Dioxide, *in* D-1-00497
- C₁₈H₂₂O₆**
1,2-Bis(3,4-dimethoxyphenyl)-1,2-ethanediol, *in* B-1-00150
- C₁₈H₂₂P₂**
1,5-Diphenyl-1,5-diphosphocane, D-1-00497
- C₁₈H₂₃NO₂S**
2,4-Diisopropylbenzenesulfonic acid; Anilide, *in* D-1-00364
- C₁₈H₂₃NO₅**
4-Amino-4-deoxyxylose; 1,2:3,5-Di-*O*-isopropylidene, *N*-benzoyl, *in* A-1-00110
- C₁₈H₂₄**
1-Octylnaphthalene, O-1-00028
2-Octylnaphthalene, O-1-00029
- C₁₈H₂₄N₂O₆**
2,3-Diamino-2,3-dideoxyidose; Me glycoside, 4,6-*O*-benzylidene, 2*N*,3*N*-di-Ac, *in* D-1-00096
- 2,3-Diamino-2,3-dideoxymannose; Me glycoside, 4,6-*O*-benzylidene, 2*N*,3*N*-di-Ac, *in* D-1-00099
- 2,5-Diamino-2,5-dideoxyribose; Benzyl glycoside, 2*N*,3,5*N*-tri-Ac, *in* D-1-00100
2,5-Diamino-2,5-dideoxyxylose; Benzyl glycoside, 2*N*,3,5*N*-tri-Ac, *in* D-1-00102
- C₁₈H₂₅NO₆**
5-Amino-5-deoxyidose; 1,2-*O*-Isopropylidene, 3-benzyl, *N*-Ac, *in* A-1-00103
- C₁₈H₂₅N₃O₅**
2,3,5-Triamino-2,3,5-trideoxyribose; Benzyl glycoside, 2*N*,3,5*N*-tri-Ac, *in* T-1-00141
- C₁₈H₂₆N₂O₇S**
2,4-Diamino-2,4,6-trideoxyidose; Benzyl glycoside, 3-mesyl, 2*N*,4*N*-di-Ac, *in* D-1-00110
- C₁₈H₂₆N₂P₂**
P-[2-(Diphenylphosphino)ethyl]-*N,N,N',N'*-tetramethylphosphonous diamide, D-1-00510
- C₁₈H₂₆O₉**
Icariside H₁, *in* T-1-00233
- C₁₈H₂₇NO₅S₂**
4-Amino-4-deoxyxylose; 1,1-Diethyl dithioacetal, 5-benzoyl, *N*-Ac, *in* A-1-00110
4-Amino-4-deoxyxylose; 1,1-Diethyl dithioacetal, *N*-benzoyl, 5-Ac, *in* A-1-00110
- C₁₈H₂₈N₂O₄**
1,3,5-Tri-*tert*-butyl-2,4-dinitrobenzene, T-1-00155
- C₁₈H₂₈O₄**
7,12-Dioxo-8,10-octadecadienoic acid, D-1-00492
- C₁₈H₂₉Br**
1-Bromo-2,4,5-tri-*tert*-butylbenzene, B-1-00399
- C₁₈H₃₀O₂**
6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol; Propanoyl, *in* I-1-00071
9,12,17-Octadecatrienoic acid, O-1-00004
- C₁₈H₃₀S**
2,4,6-Tri-*tert*-butylbenzenethiol, T-1-00154
- C₁₈H₃₁OPS₂**
(2,4,6-Tri-*tert*-butylphenyl)phosphonodithioic acid, T-1-00156
- C₁₈H₃₃FO₂**
2-Fluoro-9-octadecenoic acid, F-1-00047
- C₁₈H₃₄O₂**
15-Hexadecen-1-ol; Ac, *in* H-1-00026
- C₁₈H₃₄O₆P₂**
Tetraethyl 1,3-adamantylidiphosphonate, *in* A-1-00037
- C₁₈H₃₇N₄P₃**
P,P'-[(Phenylphosphinidene)di-2,1-ethanediyl] bis[*N,N,N',N'*-tetramethylphosphonous diamide], P-1-00093
- C₁₈H₃₉N₂P**
P-Menthylphosphonous diamide; *N,N,N',N'*-Tetra-Et, *in* D-1-00106
- C₁₈H₃₉O₃P**
Diethyl tetradecylphosphonate, *in* T-1-00019
Octadecylphosphonic acid, O-1-00005
- C₁₉H₁₀O**
8-Ethynyl-1-(2-formylethynyl)anthracene, E-1-00038
- C₁₉H₁₁N**
Acenaphtho[1,2-*b*]cyclohepta[*d*]pyrrole, A-1-00003
Acenaphtho[1,2-*b*]cyclopenta[*e*]azepine, A-1-00004
- C₁₉H₁₂N₂O**
8*H*-Quino[3,4-*b*]carbazol-1(2*H*)-one, Q-1-00002
8*H*-Quino[4,3-*b*]carbazol-1(2*H*)-one, Q-1-00003

- C₁₉H₁₂O₂**
2-Benzoyl-1-(2*H*)-acenaphthylene, B-1-00039
▶ 2-(1-Naphthalenyl)-1*H*-indene-1,3(2*H*)-dione, N-1-00002
- C₁₉H₁₃ClO₂**
4-(4-Biphenyloxy)benzoic acid; Chloride, *in* B-1-00114
- C₁₉H₁₃FO₂**
4-Fluoro-4'-phenoxybenzophenone, *in* F-1-00023
- C₁₉H₁₃NO**
1-Benzoylcarbazole, B-1-00045
2-Benzoylcarbazole, B-1-00046
3-Benzoylcarbazole, B-1-00047
- C₁₉H₁₃NO₃**
2*H*-[1]Benzopyrano[4,3-*b*]pyridine-2,5(1*H*)-dione; *N*-Benzyl, *in* B-1-00026
- C₁₉H₁₃N₃**
Eudistomin U, I-1-00021
- C₁₉H₁₄ClNO₂**
2-Amino-3'-chlorodiphenyl ether; *N*-Benzoyl, *in* A-1-00076
2-Amino-4'-chlorodiphenyl ether; *N*-Benzoyl, *in* A-1-00077
- C₁₉H₁₄N₂O₂**
2-(1-Naphthalenyl)-1*H*-indene-1,3(2*H*)-dione; Dioxime, *in* N-1-00002
- C₁₉H₁₄O₃**
2-(2-Biphenyloxy)benzoic acid, B-1-00111
2-(4-Biphenyloxy)benzoic acid, B-1-00112
4-(2-Biphenyloxy)benzoic acid, B-1-00113
4-(4-Biphenyloxy)benzoic acid, B-1-00114
- C₁₉H₁₅Cl₂PS**
(Triphenylmethyl)phosphonothioic acid; Dichloride, *in* T-1-00262
- C₁₉H₁₅F₂PS**
(Triphenylmethyl)phosphonothioic acid; Difluoride, *in* T-1-00262
- C₁₉H₁₅N**
N-(Diphenylmethylene)aniline, D-1-00503
- C₁₉H₁₆O₃S₃**
Tris(5-acetyl-3-thienyl)methane, T-1-00266
- C₁₉H₁₆S**
Triphenylmethanethiol, T-1-00261
- C₁₉H₁₇BrO₆**
2-Bromo-2-deoxyxylose; 3,4-Dibenzoyl, *in* B-1-00270
- C₁₉H₁₇Cl₃N₂S**
Butoconazole, B-1-00411
- C₁₉H₁₇IP[⊕]**
(Iodomethyl)triphenylphosphonium(1+), I-1-00045
- C₁₉H₁₇I₂P**
(Iodomethyl)triphenylphosphonium(1+); Iodide, *in* I-1-00045
- C₁₉H₁₇N**
2,5-Dimethyl-3,4-diphenylpyridine, D-1-00399
3,4-Dimethyl-2,6-diphenylpyridine, D-1-00400
- C₁₉H₁₇NO₂**
2,4-Diphenyl-1*H*-pyrrole-3-carboxylic acid; Et ester, *in* D-1-00516
2,5-Diphenyl-1*H*-pyrrole-3-carboxylic acid; Et ester, *in* D-1-00517
3,5-Diphenyl-1*H*-pyrrole-2-carboxylic acid; Et ester, *in* D-1-00519
4,5-Diphenyl-1*H*-pyrrole-3-carboxylic acid; Et ester, *in* D-1-00520
- C₁₉H₁₇O₂PS**
(Triphenylmethyl)phosphonothioic acid, T-1-00262
- C₁₉H₁₈O₂**
4-(4-Phenyl-1,3-butadienyl)benzoic acid; Et ester, *in* P-1-00053
- C₁₉H₁₈O₄**
3-Hydroxy-5-hydroxymethyl-2(5*H*)-furanone; Dibenzyl ether, *in* H-1-00099
- C₁₉H₁₉BrO₅**
4-Bromo-4-deoxyxylose; Benzyl glycoside, 2-benzoyl, *in* B-1-00259
- C₁₉H₂₀O₁₁**
Tunicoside, *in* H-1-00100
- C₁₉H₂₁BrO₉**
2-Bromo-2-deoxymannose; 1-Benzoyl, 3,4,6-tri-Ac, *in* B-1-00261
- C₁₉H₂₁ClO₉**
2-Chloro-2-deoxymannose; 1-Benzoyl, tri-Ac, *in* C-1-00052
- C₁₉H₂₁IO₄**
4-Deoxy-4-iodoxylose; Benzyl glycoside, 2-benzyl, *in* D-1-00073
- C₁₉H₂₁IO₉**
2-Deoxy-2-iodomannose; 1-Benzoyl, 3,4,6-tri-Ac, *in* D-1-00060
- C₁₉H₂₁NO₄**
2-Amino-2,5-dideoxyribose; Benzyl glycoside, *N*-benzoyl, *in* A-1-00117
- C₁₉H₂₂NO₅P**
Diisopropyl (10-phenoxazinecarbonyl)phosphonate, *in* P-1-00038
Dipropyl (10-phenoxazinecarbonyl)phosphonate, *in* P-1-00038
- C₁₉H₂₃BrO₈**
Idopyranosyl bromide; 3-Benzyl, tri-Ac, *in* I-1-00002
- C₁₉H₂₅N**
[2.2](1,3)Adamantano-2,6-pyridinophane, A-1-00039
- C₁₉H₂₅O₃P**
Diisopropyl (diphenylmethyl)phosphonate, *in* D-1-00504
- C₁₉H₂₆**
1-Nonylnaphthalene, N-1-00051
2-Nonylnaphthalene, N-1-00052
- C₁₉H₂₆N₂O₆**
2,4-Diamino-2,4,6-trideoxyidose; Benzyl glycoside, 2*N*,3,4*N*-tri-Ac, *in* D-1-00110
- C₁₉H₂₆N₄O₄**
5,6,7,8,9,10,11,12-Octahydro-2*H*-1,15,4,8,12-benzodioxatriazacycloheptadecine-3,13(4*H*,14*H*)-dione; 8-(2-Cyanoethyl), *in* O-1-00012
- C₁₉H₃₃OPS₂**
O-Methyl (2,4,6-tri-*tert*-butylphenyl)phosphonodithioate, *in* T-1-00156
- C₁₉H₄₀O₂**
1,19-Nonadecanediol, N-1-00041
- C₁₉H₄₃P₃**
Bis[(di-*tert*-butylphosphino)methyl]methylphosphine, B-1-00144
- C₁₉H₄₃P₃S₃**
Bis[bis(1,1-dimethylethyl)phosphinothioyl]methylmethylphosphine sulfide, *in* B-1-00144
- C₂₀H₈N₄**
11,11,12,12-Tetracyano-1,4-anthraquinodimethane, T-1-00012
- C₂₀H₁₀O₂**
Benz[j]aceanthrylene-1,2-dione, B-1-00013
1,8-Bis(2-formylethynyl)anthracene, B-1-00171
- C₂₀H₁₀O₄**
2,2'-Diphenyl[bi-1-cyclobuten-1-yl]-3,3',4,4'-tetrone, D-1-00493
- C₂₀H₁₂**
▶ 11,12-Diethynyl-9,10-dihydro-9,10-ethenoanthracene, D-1-00232
- C₂₀H₁₂N₂S₂**
5,12-Dihydroquino[2,3-*b*]acridine-7,14-dithione, D-1-00327
- C₂₀H₁₂O₂**
2,3-Bis(phenylethynyl)butenedial, B-1-00193
- C₂₀H₁₂O₄**
1,2-Bis(2-phenylethynyl)butenedioic acid, B-1-00194
- C₂₀H₁₂S₄**
Tetrathia[20]annulene[2,0,2,0], T-1-00101
- C₂₀H₁₄**
1,4-Dicubyl-1,3-butadiyne, D-1-00207
9-Phenylbenz[a]azulene, P-1-00046
- C₂₀H₁₄BrP**
Di-1-naphthalenylphosphonous acid; Bromide, *in* D-1-00475
- C₂₀H₁₄CIP**
Di-1-naphthalenylphosphonous acid; Chloride, *in* D-1-00475
- C₂₀H₁₄F₆I₂O₆S₂**
1,4-Phenylenebis[phenyliodonium]; Bis(trifluoromethanesulfonate), *in* P-1-00065
- C₂₀H₁₄N₂O₅**
1,4-Diamino-2-butanone; *N,N'*-Diphthalimido, *in* D-1-00086
- C₂₀H₁₄O**
1-Phenoxy-4-(phenylethynyl)benzene, *in* P-1-00072
- C₂₀H₁₄OS**
3,3-Diphenyl-1(3*H*)-isobenzofuranthione, D-1-00502
- C₂₀H₁₄O₇**
Gallin, G-1-00005
- C₂₀H₁₄Te₂**
Di-1-naphthalenyl ditelluride, D-1-00474
- C₂₀H₁₅OP**
Di-1-naphthalenylphosphonous acid, D-1-00475
- C₂₀H₁₆F₂**
1,2-Difluoro-1,1,2-triphenylethane, D-1-00252
- C₂₀H₁₆IO₂P**
Iodo(triphenylphosphoranylidene)acetic acid, I-1-00065
- C₂₀H₁₆N₂O₂Se**
3,3'-Selenobis[1,4-dihydro-4-quinolinone]; *N,N'*-Di-Me, *in* S-1-00001
- C₂₀H₁₆N₂O₄S₂**
2,2'-Dithiobis(1*H*-indole-3-acetic acid), *in* D-1-00332
- C₂₀H₁₆N₄**
Chlorin, C-1-00010
- C₂₀H₁₆O₃**
4-(4-Biphenyloxy)benzoic acid; Me ester, *in* B-1-00114
- C₂₀H₁₇FO₆**
1,6-Anhydro-3-deoxy-3-fluoromannopyranose; Dibenzoyl, *in* A-1-00232
- C₂₀H₁₇N**
6,7,8,9-Tetrahydro-5*H*-dibenzo[*c,g*]carbazole, T-1-00032
- C₂₀H₁₈Cl₂N₃O₂P**
2,2-Dichloro-2-(dianilino-phosphinyl)acetanilide, *in* D-1-00193
- C₂₀H₁₈N₂O₂S**
3-(2-Benzothiazolyl)-7-(diethylamino)-2*H*-1-benzopyran-2-one, B-1-00029
- C₂₀H₁₈O₆**
2,5,3,4-Dianhydroaltritol; 1,6-Dibenzoyl, *in* D-1-00111
- C₂₀H₁₈S**
Triphenylmethanethiol; *S*-Me, *in* T-1-00261
- C₂₀H₁₉BrO₆**
2-Bromo-2-deoxyarabinose; Me glycoside, 3,5-dibenzoyl, *in* B-1-00250
3-Bromo-3-deoxyarabinose; Me glycoside, 2,4-dibenzoyl, *in* B-1-00251

- 3-Bromo-3-deoxylyxose; Me glycoside, dibenzoyl, *in* B-1-00258
 2-Bromo-2-deoxyribose; Me glycoside, dibenzoyl, *in* B-1-00264
 5-Bromo-5-deoxyribose; Me glycoside, 2,3-dibenzoyl, *in* B-1-00265
 2-Bromo-2-deoxyxylose; Me glycoside, dibenzoyl, *in* B-1-00270
 3-Bromo-3-deoxyxylose; Me glycoside, dibenzoyl, *in* B-1-00271
 4-Bromo-4-deoxyxylose; Me glycoside, dibenzoyl, *in* B-1-00272
- C₂₀H₁₉FO₆**
 Xylofuranosyl fluoride; 2-Me, 3,5-dibenzoyl, *in* X-1-00002
 Xylopyranosyl fluoride; 2-Me, 3,4-dibenzoyl, *in* X-1-00003
- C₂₀H₁₉IO₆**
 3-Deoxy-3-iodoribose; Me glycoside, 2,4-dibenzoyl, *in* D-1-00065
- C₂₀H₂₀Br₂O₃**
 Bromethirin, B-1-00222
- C₂₀H₂₁FO₅**
 2-Deoxy-2-fluoroxylose; Me glycoside, 3-benzoyl, 5-benzyl, *in* D-1-00041
- C₂₀H₂₁IO₅**
 2-Deoxy-2-iodotalose; Benzyl glycoside, 4,6-*O*-benzylidene (*S*-), *in* D-1-00069
- C₂₀H₂₂O₂**
 1,2-Bis(4-hydroxyphenyl)acetylene; Diisopropyl ether, *in* B-1-00182
 1,2-Bis(4-hydroxyphenyl)acetylene; Dipropyl ether, *in* B-1-00182
- C₂₀H₂₂O₃**
 Avobenzone, A-1-00239
- C₂₀H₂₂O₁₂**
 Methoxytunicoside, *in* H-1-00100
- C₂₀H₂₃ClO₄**
 2-Chloro-2-deoxyarabinose; Me glycoside, 3,5-dibenzyl, *in* C-1-00039
- C₂₀H₂₄O₃**
 16,17-Epoxyestra-1,3,5(10)-trien-3-ol; Ac, *in* E-1-00007
- C₂₀H₂₄S₂**
 2,5,7,10-Tetraisopropylidene-1,6-dithia-3,8-cyclodecadiyne, T-1-00062
- C₂₀H₂₅ClO₂**
 Butethrin, B-1-00410
- C₂₀H₂₅NO₉**
 3-Amino-3-deoxymannose; Me glycoside, *N*-benzoyl, 2,4,6-tri-Ac, *in* A-1-00106
- C₂₀H₂₆**
 [2.2](1,3)Adamantanoparacyclophane, A-1-00038
- C₂₀H₂₈**
 1-Decylnaphthalene, D-1-00012
 2-Decylnaphthalene, D-1-00013
- C₂₀H₂₈N₂**
 11,12-Bis(diethylamino)nonatriafulvalene, B-1-00149
- C₂₀H₂₈OP₂**
 1,2-Di-*tert*-butyl-1,2-diphenyldiphosphine; Monoxide, *in* D-1-00169
- C₂₀H₂₈O₂P₂**
 1,2-Di-*tert*-butyl-1,2-diphenyldiphosphine; 1,2-Dioxide, *in* D-1-00169
- C₂₀H₂₈O₅**
 11,17-Dihydroxy-3-oxo-4-androstene-17-carboxylic acid, D-1-00349
- C₂₀H₂₈P₂**
 1,2-Di-*tert*-butyl-1,2-diphenyldiphosphine, D-1-00169
- C₂₀H₃₁OP**
 Di-1-adamantylphosphine; Oxide, *in* D-1-00082
- C₂₀H₃₁P**
 Di-1-adamantylphosphine, D-1-00082
- C₂₀H₃₁PS**
 Di-1-adamantylphosphine; Sulfide, *in* D-1-00082
- C₂₀H₃₁PSe**
 Di-1-adamantylphosphine; Selenide, *in* D-1-00082
- C₂₀H₃₂O₄**
 Ostapanic acid; Et ester, *in* D-1-00492
- C₂₀H₃₅OPS₂**
O-Ethyl (2,4,6-tri-*tert*-butylphenyl) phosphonodithioate, *in* T-1-00156
- C₂₀H₃₆OP₄**
 1,3,5,7-Tetra-*tert*-butyl-1,3,5,7-tetraphosphacubane; Monoxide, *in* T-1-00006
- C₂₀H₃₆P₄**
 1,3,5,7-Tetra-*tert*-butyl-1,3,5,7-tetraphosphacubane, T-1-00006
- C₂₀H₃₈O₂**
 4-Eicosenoic acid, E-1-00004
- C₂₀H₄₀**
 10-Eicosene, E-1-00003
- C₂₀H₄₂O₂**
 1,20-Eicosanediol, E-1-00002
- C₂₀H₄₃O₃P**
 Dibutyl dodecylphosphonate, *in* D-1-00552
- C₂₁H₁₂**
 2,3,6,7,10,11-Tricyclopropatriphenylene, T-1-00174
- C₂₁H₁₂O**
 12*H*-Dibenzo[*b,h*]fluoren-12-one, D-1-00128
- C₂₁H₁₄O₂**
 2,2-Diphenyl-1,3-indanedione, D-1-00501
- C₂₁H₁₅N₃**
 4'-Phenyl-4,2':6',4"-terpyridine, P-1-00100
- C₂₁H₁₆**
 1,3,3-Triphenyl-1-propyne, T-1-00263
- C₂₁H₁₈IO₂P**
 Methyl iodo(triphenylphosphoranylidene) acetate, *in* I-1-00065
- C₂₁H₁₈OS**
 Triphenylmethanethiol; *S*-Ac, *in* T-1-00261
- C₂₁H₁₈O₃**
 4-(4-Biphenyloxy)benzoic acid; Et ester, *in* B-1-00114
- C₂₁H₁₉BrO₇**
 5-Bromo-5-deoxyribose; 2,3-Dibenzoyl, 1-Ac, *in* B-1-00265
 2-Bromo-2-deoxyxylose; 1,3-Dibenzoyl, 4-Ac, *in* B-1-00270
- C₂₁H₁₉IO₇**
 5-Deoxy-5-iodoribose; 2,3-Dibenzoyl, 1-Ac, *in* D-1-00066
- C₂₁H₂₁BrO₆**
 3-Bromo-3-deoxyaltrose; Me glycoside, 4,6-*O*-benzylidene, 2-benzoyl, *in* B-1-00248
- C₂₁H₂₁BrO₇**
 6-Bromo-6-deoxymannose; Me glycoside, 2,3-dibenzoyl, *in* B-1-00262
- C₂₁H₂₁ClO₆**
 2-Chloro-2-deoxymannose; Me glycoside, 4,6-*O*-benzylidene (*R*-), 3-benzoyl, *in* C-1-00052
- C₂₁H₂₃NO₆**
 3-Amino-3-deoxymannose; Me glycoside, 4,6-*O*-benzylidene, *N*-benzoyl, *in* A-1-00106
- C₂₁H₂₄**
 1,2,3,4,5,6,7,8,9,10,11,12-Dodecahydro[1,4:5,8:9,12]trimethanotriphenylene, D-1-00547
- C₂₁H₂₅IO₅**
 6-Deoxy-6-iodoaltrose; Me glycoside, 2,3-dibenzyl, *in* D-1-00048
- C₂₁H₂₅IO₅S**
 6-Deoxy-6-iodogulose; Me glycoside, 3-benzyl, 2-tosyl, *in* D-1-00055
- C₂₁H₂₅NO₄**
 2-Amino-2-benzyl-3-phenylpropanoic acid; *N*-*tert*-Butoxycarbonyl, *in* A-1-00062
- C₂₁H₂₅NO₁₀**
 3-Amino-3-deoxymannose; *N*-Benzoyl, 1,2,4,6-tetra-Ac, *in* A-1-00106
- C₂₁H₂₇NO₂P₂**
 3,4-Bis(phenylphosphino)pyrrolidine; 1-*tert*-Butoxycarbonyl, *in* B-1-00196
- C₂₁H₂₈O₃**
 ► Pregn-4-ene-3,11,20-trione, P-1-00127
- C₂₁H₂₈O₁₂**
 Cistanoside I, *in* R-1-00002
- C₂₁H₂₉N₂P**
N,N,N',N'-Tetraethyl-*P*-9*H*-fluoren-9-ylphosphonous diamide, *in* F-1-00005
- C₂₁H₂₉O₃P**
 Bis(1,1-dimethylethyl) (diphenylmethyl) phosphonate, *in* D-1-00504
- C₂₁H₃₀**
 1-Undecylnaphthalene, U-1-00004
 2-Undecylnaphthalene, U-1-00005
- C₂₁H₃₀O**
 2,2'-Biadamantyl ketone, B-1-00079
- C₂₁H₃₀O₅**
 Cortienic acid; Me ester, *in* D-1-00349
- C₂₁H₃₃OP**
 Di-1-adamantylmethylphosphine; Oxide, *in* D-1-00081
- C₂₁H₃₃P**
 Di-1-adamantylmethylphosphine, D-1-00081
- C₂₁H₃₄IP**
 Di-1-adamantyl(methyl)phosphonium iodide, *in* D-1-00082
- C₂₁H₃₈O₆**
 8,16-Dihydroxyhexadecanoic acid; Me ester, di-Ac, *in* D-1-00343
- C₂₁H₃₉BF₄P₄**
 1,3,5,7-Tetra-*tert*-butyl-1,3,5,7-tetraphosphacubane; Monomethotetrafluoroborate, *in* T-1-00006
- C₂₁H₄₆BrN**
 Trimethyloctadecylammonium(1+); Bromide, *in* T-1-00245
- C₂₁H₄₆CIN**
 Trimethyloctadecylammonium chloride, *in* T-1-00245
- C₂₁H₄₆IN**
 Trimethyloctadecylammonium(1+); Iodide, *in* T-1-00245
- C₂₁H₄₆N[⊕]**
 Trimethyloctadecylammonium(1+), T-1-00245
- C₂₂H₉O₃^{3⊖}**
 4,8,12-Trioxodibenzo[*cd,mm*]pyrenediyl(3-), T-1-00255
- C₂₂H₁₀O₃**
 1*H*,3*H*-Perylo[3,4-*cd*]pyran-1,3-dione, *in* P-1-00032
- C₂₂H₁₂**
 Biphenyleno[2,1-*a*]biphenylene, B-1-00108
 Biphenyleno[2,3-*a*]biphenylene, B-1-00109
 Biphenyleno[2,3-*b*]biphenylene, B-1-00110
 Triangulene, T-1-00143
- C₂₂H₁₂N₄**
 Naphtho[1,2-*c*:5,6-*c'*]dicinoline, N-1-00004
- C₂₂H₁₂O₄**
 3,4-Perylenedicarboxylic acid, P-1-00032

- C₂₂H₁₄S₄**
Tetrathia[22]annulene[2,1,2,1], T-1-00102
- C₂₂H₁₆**
1,1,4-Triphenyl-1-buten-3-yne, T-1-00257
1,2,4-Triphenyl-1-buten-3-yne, T-1-00258
- C₂₂H₁₆O₄**
Dimethyl bis(2-phenylethynyl)fumarate, *in* B-1-00194
- C₂₂H₁₆O₁₀**
1,4,5,8-Tetrahydroxyanthraquinone; Tetra-Ac, *in* T-1-00059
- C₂₂H₁₇N₃O₅**
ICI A5504, I-1-00001
- C₂₂H₁₈**
5,12,6,11-Dietheno-5,5a,6,11,11a,12-hexahydronaphthacene, D-1-00223
- C₂₂H₁₈O₂**
1-(1-Naphthalenyl)-2-(2-naphthalenyl)-1,2-ethanediol, N-1-00003
- C₂₂H₁₈O₈**
2,3,6,7-Anthracenetetracarboxylic acid; Tetra-Me ester, *in* A-1-00236
- C₂₂H₁₈O₁₀**
2,3-Dihydro-1,4,5,8-tetrahydroxyanthraquinone; Tetra-Ac, *in* D-1-00330
- C₂₂H₂₀IO₂P**
Ethyl iodo(triphenylphosphoranylidene)acetate, *in* I-1-00065
- C₂₂H₂₀N₂O₄S₂**
2,3-Dihydro-2-thioxo-1*H*-indole-3-acetic acid; Disulfide, *N,N'*-Di-Me, *in* D-1-00332
2,3-Dihydro-2-thioxo-1*H*-indole-3-acetic acid; Disulfide, di-Me ester, *in* D-1-00332
- C₂₂H₂₁O₄P**
Dibenzyl (phenylacetyl)phosphonate, *in* P-1-00041
- C₂₂H₂₂O**
2-Benzyl-1,3-diphenyl-2-propanol, B-1-00066
- C₂₂H₂₃FO₇**
Mannopyranosyl fluoride; 4,6-Di-Me, 2,3-dibenzoyl, *in* M-1-00004
- C₂₂H₂₅N₂OP**
3,3'-(Phenylphosphinylidene)bis[*N,N*-dimethylbenzylamine], *in* B-1-00152
4,4'-(Phenylphosphinylidene)bis[*N,N*-dimethylbenzylamine], *in* B-1-00153
- C₂₂H₂₅N₂P**
Bis[2-(dimethylamino)phenyl]phenylphosphine, B-1-00151
Bis[3-(dimethylamino)phenyl]phenylphosphine, B-1-00152
Bis[4-(dimethylamino)phenyl]phenylphosphine, B-1-00153
- C₂₂H₂₅N₂PS**
4,4'-(Phenylphosphinothiolyidene)bis[*N,N*-dimethylbenzylamine], *in* B-1-00153
- C₂₂H₂₆O₂**
1,2-Bis(4-hydroxyphenyl)acetylene; Dibutyl ether, *in* B-1-00182
- C₂₂H₂₇BrO₅**
6-Bromo-6-deoxyaltrose; 3,4-Di-Me, 2,5-dibenzyl, *in* B-1-00249
- C₂₂H₂₇IO₉S₂**
6-Deoxy-6-iodoiodose; Me glycoside, 3-Me, 2,4-ditosyl, *in* D-1-00057
- C₂₂H₂₉O₂P**
Diphenyl(*l*-menthyl)phosphonite, *in* I-1-00078
- C₂₂H₃₂**
1-Dodecyl-naphthalene, D-1-00550
2-Dodecyl-naphthalene, D-1-00551
- C₂₂H₄₇O₃P**
Dibutyl tetradecylphosphonate, *in* T-1-00019
- C₂₃H₁₄**
2,3,6,7,14,15-Tricyclopropatriptycene, T-1-00175
- C₂₃H₁₆O₆**
Pamoic acid, P-1-00001
- C₂₃H₁₇NO₂**
1,2,5-Triphenyl-1*H*-pyrrole-3-carboxylic acid, *in* D-1-00517
- C₂₃H₁₉ClN₂O₄**
Tjipanazole F1, *in* C-1-00078
Tjipanazole F2, *in* C-1-00078
- C₂₃H₂₃BrO₇**
6-Bromo-6-deoxyidose; 1,2-*O*-Isopropylidene, 3,5-dibenzoyl, *in* B-1-00256
- C₂₃H₂₃BrO₈**
6-Bromo-6-deoxyaltrose; Me glycoside, 2,4-dibenzoyl, 3-Ac, *in* B-1-00249
- C₂₃H₂₃ClO₇**
5-Chloro-5-deoxyidose; 1,2-*O*-Isopropylidene, 3,6-dibenzoyl, *in* C-1-00048
- C₂₃H₂₃IO₇**
5-Deoxy-5-iodoallose; 1,2-*O*-Isopropylidene, 3,6-dibenzoyl, *in* D-1-00044
5-Deoxy-5-iodotalose; 1,2-*O*-Isopropylidene, 3,5-dibenzoyl, *in* D-1-00070
- C₂₃H₂₃IO₈**
6-Deoxy-6-iodoallose; Me glycoside, 2,3-dibenzoyl, 4-Ac, *in* D-1-00045
- C₂₃H₂₄BrP**
3-Pentyltriphenylphosphonium(1+); Bromide, *in* P-1-00025
2-Pentyltriphenylphosphonium(1+); Bromide, *in* P-1-00024
- C₂₃H₂₄P[⊕]**
3-Pentyltriphenylphosphonium(1+), P-1-00025
2-Pentyltriphenylphosphonium(1+), P-1-00024
- C₂₃H₂₅ClO₈S**
6-Chloro-6-deoxyidose; 1,2-*O*-Isopropylidene, 5-benzoyl, 3-tosyl, *in* C-1-00049
- C₂₃H₂₅NO₇**
5-Amino-5-deoxyallose; 1,2-*O*-Isopropylidene, 3,5*N*-dibenzoyl, *in* A-1-00098
- C₂₃H₂₅NP₂**
3,4-Bis(phenylphosphino)pyrrolidine; 1-Benzyl, *in* B-1-00196
- C₂₃H₂₇BrO₅**
6-Bromo-6-deoxyidose; 1,2-*O*-Isopropylidene, 3,5-dibenzyl, *in* B-1-00256
- C₂₃H₂₇ClO₉S₂**
4-Chloro-4-deoxyfructose; 2,3-*O*-Isopropylidene, 1,6-ditosyl, *in* C-1-00043
- C₂₃H₂₇IO₆**
6-Deoxy-6-iodoaltrose; Me glycoside, 2,3-dibenzyl, 4-Ac, *in* D-1-00048
- C₂₃H₂₈IN₂P**
Bis[4-(dimethylamino)phenyl]phenylphosphine; Methiodide, *in* B-1-00153
- C₂₃H₂₈N₂O₅**
2,3-Diamino-2,3-dideoxyxylose; Benzyl pyranoside, 4-benzyl, 2*N*,3*N*-di-Ac, *in* D-1-00101
- C₂₃H₂₉NO₅**
4-Amino-4,6-dideoxyidose; Me glycoside, 2,3-dibenzyl, *N*-Ac, *in* A-1-00116
- C₂₃H₂₉NO₅S₂**
4-Amino-4-deoxyxylose; 1,1-Diethyl dithioacetal, 4*N*,5-dibenzoyl, *in* A-1-00110
- C₂₃H₃₂N₂**
2-Imidazolylidene; *N,N'*-Di-1-adamantyl, *in* I-1-00006
- C₂₃H₄₄**
1,14-Tricosadiene, T-1-00165
- C₂₃H₄₆**
1-Tricosene, T-1-00168
- C₂₃H₄₆O**
10-Tricosanone, T-1-00167
- C₂₄H₁₀F₁₀P₂**
1,2-Bis(pentafluorophenyl)-1,2-diphenyldiphosphine, B-1-00190
- C₂₄H₁₂N₄**
Eilatol, D-1-00127
- C₂₄H₁₆O₄**
[2.2.2.2](2,5)-Furanophanetetraene, F-1-00073
3,4-Perlylenedicarboxylic acid; Di-Me ester, *in* P-1-00032
- C₂₄H₁₆P₂**
5,5'-Bi-(5*H*-benzo[*b*]phosphole), B-1-00080
- C₂₄H₁₆P₂S₂**
5,5'-Bi-(5*H*-benzo[*b*]phosphole); 5,5'-Disulfide, *in* B-1-00080
- C₂₄H₂₀O₄P₂**
[1,1'-Biphenyl]-4,4'-diyl(phenylphosphinic acid), B-1-00107
- C₂₄H₂₁ClN₂O₄**
Tjipanazole C1, *in* C-1-00078
Tjipanazole C2, *in* C-1-00078
Tjipanazole C3, *in* C-1-00078
Tjipanazole C4, *in* C-1-00078
- C₂₄H₂₈N₂O₂**
Decahydro-1,4-naphthalenediamine; *N,N'*-Dibenzoyl, *in* D-1-00004
- C₂₄H₃₂**
Octamethyl[2.2]metacyclophane, O-1-00021
- C₂₄H₃₂OP₂**
1,1-Dicyclohexyl-2,2-diphenyldiphosphine; 1-Oxide, *in* D-1-00210
1,1-Dicyclohexyl-2,2-diphenyldiphosphine; 2-Oxide, *in* D-1-00210
- C₂₄H₃₂O₆**
Dibenzo-22-crown-6, D-1-00125
- C₂₄H₃₂P₂**
1,1-Dicyclohexyl-2,2-diphenyldiphosphine, D-1-00210
- C₂₄H₃₂P₂S**
1,1-Dicyclohexyl-2,2-diphenyldiphosphine; 1-Sulfide, *in* D-1-00210
- C₂₄H₃₂P₂S₂**
1,1-Dicyclohexyl-2,2-diphenyldiphosphine; Disulfide, *in* D-1-00210
- C₂₄H₃₅O₃P**
Diphenyl dodecylphosphonate, *in* D-1-00552
- C₂₄H₄₆N₂O₂**
2,3-Piperazinedione; 1,4-Didecyl, *in* P-1-00122
- C₂₄H₄₆O₄**
1,20-Eicosanediol; Di-Ac, *in* E-1-00002
- C₂₄H₄₈O₁₂**
36-Crown-12, C-1-00176
- C₂₄H₅₁O₃P**
Dibutyl hexadecylphosphonate, *in* H-1-00027
- C₂₄H₅₁P**
Didodecylphosphine, D-1-00222
- C₂₅H₂₁BrFP**
(3-Fluorobenzyl)triphenylphosphonium(1+); Bromide, *in* F-1-00011
- C₂₅H₂₁ClFP**
(2-Fluorobenzyl)triphenylphosphonium(1+); Chloride, *in* F-1-00010
- C₂₅H₂₁FP[⊕]**
(2-Fluorobenzyl)triphenylphosphonium(1+), F-1-00010
(3-Fluorobenzyl)triphenylphosphonium(1+), F-1-00011
- C₂₅H₂₂N₂O₅S₂**
Crabescien, C-1-00175
- C₂₅H₂₅ClO₄**
3-Chloro-3-deoxyxylose; Me glycoside, 5-trityl, *in* C-1-00060

- C₂₅H₂₅O₇PS**
1,6-Anhydro-4-deoxy-4-(diphenylphosphino)glucopyranose; 2-(4-Methylbenzenesulfonyl), *P*-oxide, *in* A-1-00229
- C₂₅H₂₆BrP**
Triphenyl(spiro[3.3]hept-2-yl)phosphonium(1+); Bromide, *in* T-1-00264
- C₂₅H₂₆P[⊕]**
Triphenyl(spiro[3.3]hept-2-yl)phosphonium(1+), T-1-00264
- C₂₅H₂₈N₂O₈**
2,4-Diamino-2,4-dideoxyidose; Me glycoside, 3,6-dibenzoyl, 2*N*,4*N*-di-Ac, *in* D-1-00097
- C₂₅H₃₇N₂P**
P-9*H*-Fluoren-9-yl-*N,N,N',N'*-tetrakis(1-methylethyl)phosphonous diamide, *in* F-1-00005
- C₂₅H₄₄**
Tetracyclohexylmethane, T-1-00016
- C₂₅H₄₈**
1,16-Pentacosadiene, P-1-00005
7,11-Pentacosadiene, P-1-00006
- C₂₅H₅₀**
1-Pentacosene, P-1-00008
- C₂₅H₅₆N₆P₂**
(Diazomethylene)bis[phosphonous bis(diisopropylamide)], *in* D-1-00121
- C₂₆H₁₇OP**
7-Phenyl-7*H*-benzo[*e*]naphtho[2,1-*b*]phosphindole; 7-Oxide, *in* P-1-00047
- C₂₆H₁₇P**
7-Phenyl-7*H*-benzo[*e*]naphtho[2,1-*b*]phosphindole, P-1-00047
- C₂₆H₁₈O₂**
2,2'-Dibenzoylbiphenyl, D-1-00130
4,4'-Dibenzoylbiphenyl, D-1-00131
1,1'-(1,2-Ethynediyl)bis[4-phenoxybenzene], *in* B-1-00182
- C₂₆H₂₀BrOP**
2-Bromo-1-phenyl-2-triphenylphosphoranylideneethanone, B-1-00384
- C₂₆H₂₀F₂**
1,2-Difluoro-1,1,2,2-tetraphenylethane, D-1-00251
- C₂₆H₂₀N₂O₂**
2,2'-Dibenzoylbiphenyl; Dioxime, *in* D-1-00130
4,4'-Dibenzoylbiphenyl; Dioxime, *in* D-1-00131
- C₂₆H₂₀O₆**
4-Cyclopentene-1,2,3-triol; Tribenzoyl, *in* C-1-00217
- C₂₆H₂₁BrO₇**
2-Bromo-2-deoxyxylose; Tribenzoyl, *in* B-1-00270
Xylofuranosyl bromide; Tribenzoyl, *in* X-1-00001
- C₂₆H₂₁FO₇**
Xylopyranosyl fluoride; Tribenzoyl, *in* X-1-00003
- C₂₆H₂₂**
1,1,14,14-Tetramethyl-10,11-methano-1*H*-benzo[5,6]cycloocta[1,2,3,4-*def*]fluorene, T-1-00084
- C₂₆H₂₃BrO₆**
4-Bromo-4-deoxyxylose; Benzyl glycoside, dibenzoyl, *in* B-1-00259
3-Bromo-3-deoxyxylose; Benzyl glycoside, dibenzoyl, *in* B-1-00271
- C₂₆H₂₃F₂NO₄**
► Flucythrinate, F-1-00001
- C₂₆H₂₃N₄[⊕]**
Mauveine A, M-1-00005
- C₂₆H₂₅BrO₄**
4-Bromo-4-deoxyglucose; Me glycoside, 2,3-anhydro, 6-trityl, *in* B-1-00254
- C₂₆H₂₅N₃O₅**
2,3,5-Triamino-2,3,5-trideoxyarabinose; 2*N*,3*N*,5*N*-Tribenzoyl, *in* T-1-00139
- C₂₆H₂₆S₄**
5,9,11,16,20,22-Hexahydro-7*H*,18*H*-benzo[1,2-*d'*:4,5-*d'*]bis[2,7]benzodithiecin, H-1-00033
5,7,10,12,17,24-Hexahydro-19*H*,22*H*-8,21:9,20-dimethenodibenzo[*c,m*][1,6,11,16]tetrathiacycloecocin, H-1-00036
- C₂₆H₂₇BrO₅**
4-Bromo-4-deoxytalose; Me glycoside, 6-trityl, *in* B-1-00268
- C₂₆H₂₇FO₄**
Xylopyranosyl fluoride; Tribenzoyl, *in* X-1-00003
- C₂₆H₃₃NO₅S₂**
4-Amino-4-deoxyxylose; 1,1-Diethyl dithioacetal, 2,3-*O*-isopropylidene, 4*N*,5-dibenzoyl, *in* A-1-00110
- C₂₆H₃₉O₃P**
Diphenyl tetradecylphosphonate, *in* T-1-00019
- C₂₆H₄₀**
1,3,5,8-Tetra-*tert*-butylnaphthalene, T-1-00004
1,3,6,8-Tetra-*tert*-butylnaphthalene, T-1-00005
- C₂₆H₄₄**
Tetracyclohexylethene, T-1-00015
- C₂₆H₅₅N₂P**
N,N,N,N'-Tetrabutyl-*P*-(2-isopropyl-5-methylcyclohexyl)phosphonous diamide, *in* D-1-00106
- C₂₆H₅₅O₃P**
Dibutyl octadecylphosphonate, *in* O-1-00005
- C₂₆H₅₆BrN**
Didodecyldimethylammonium(1+); Bromide, *in* D-1-00221
- C₂₆H₅₆CIN**
Didodecyldimethylammonium(1+); Chloride, *in* D-1-00221
- C₂₆H₅₆N[⊕]**
Didodecyldimethylammonium(1+), D-1-00221
- C₂₇H₁₅N₃**
1,3,5-Tris(4-pyridylethynyl)benzene, T-1-00276
- C₂₇H₂₀IP**
7-Methyl-7-phenylbenzo[*e*]naphtho[2,1-*b*]phosphindolium iodide, *in* P-1-00047
- C₂₇H₂₃IO₈**
1-Iodo-1-deoxyfructose; 3,4,5-Tribenzoyl, *in* I-1-00031
- C₂₇H₂₅N₄[⊕]**
Mauveine B, M-1-00006
- C₂₇H₂₈BrClO₉**
Galactofuranosyl bromide; 2,3-Dibenzoyl, 5-chloroacetyl, 6-pivaloyl, *in* G-1-00001
- C₂₇H₃₀N₄O₃**
2,2',2''-Nitrilotris(ethane-2,1-diylnitrilomethylidene)trisphenol, N-1-00009
- C₂₇H₃₆N₃P**
Tris[2-(dimethylaminomethyl)phenyl]phosphine, T-1-00269
- C₂₇H₄₈**
Diacholestane, D-1-00080
- C₂₇H₅₂**
1,18-Heptacosadiene, H-1-00007
- C₂₈H₁₆O**
1*a*,6[1',2']:7,11*b*[1'',2'']-Dibenzenodibenzo[3,4:7,8]cyclooct[1,2-*b*]oxirene, D-1-00124
- C₂₈H₂₀**
1,1,2,4-Tetraphenyl-1-buten-3-yne, T-1-00095
- C₂₈H₂₂IP**
7-Ethyl-7-phenylbenzo[*e*]naphtho[2,1-*b*]phosphindolium iodide, *in* P-1-00047
- C₂₈H₂₂N₂P₂**
2,5-Bis(diphenylphosphino)pyridazine, B-1-00162
- C₂₈H₂₂O₃**
2,2'-Dibenzoylbiphenyl; Mono(ethylene ketal), *in* D-1-00130
- C₂₈H₂₄O₄**
3,4-Perylenedicarboxylic acid; Dipropyl ester, *in* P-1-00032
- C₂₈H₂₅BrO₈**
6-Bromo-6-deoxyaltrose; Me glycoside, 2,3,4-tribenzoyl, *in* B-1-00249
6-Bromo-6-deoxymannose; Me glycoside, tribenzoyl, *in* B-1-00262
- C₂₈H₂₅BrO₁₀S**
Fructopyranosyl bromide; 1,4,5-Tribenzoyl, 3-mesyl, *in* F-1-00069
- C₂₈H₂₅ClO₈**
6-Chloro-6-deoxymannose; Me glycoside, tribenzoyl, *in* C-1-00053
- C₂₈H₂₅ClO₁₀S**
Fructopyranosyl chloride; 1,4,5-Tribenzoyl, 3-mesyl, *in* F-1-00070
- C₂₈H₂₅IO₈**
6-Deoxy-6-iodoaltrose; Me glycoside, tribenzoyl, *in* D-1-00048
3-Deoxy-3-iodogulose; Me glycoside, tribenzoyl, *in* D-1-00054
- C₂₈H₂₆P₂**
1,1-Bis[(diphenylphosphino)methyl]ethene, B-1-00159
- C₂₈H₂₆P₂S₂**
1,1-Bis[(diphenylphosphino)methyl]ethene; Disulfide, *in* B-1-00159
- C₂₈H₂₇BrO₉S**
6-Bromo-6-deoxymannose; Me glycoside, 2,3-dibenzoyl, 4-tosyl, *in* B-1-00262
- C₂₈H₂₉IO₈S**
6-Deoxy-6-iodogulose; Me glycoside, 3-benzyl, 4-benzoyl, 2-tosyl, *in* D-1-00055
- C₂₈H₃₁BrO₅**
2-Bromo-2-deoxymannose; Me glycoside, tribenzoyl, *in* B-1-00261
- C₂₈H₃₁IO₇S**
6-Deoxy-6-iodogulose; Me glycoside, 3,4-dibenzyl, 2-tosyl, *in* D-1-00055
- C₂₈H₃₉IN₃P**
2-[Bis[2-(dimethylamino)methyl]phenyl]phosphino-*N,N,N*-trimethylbenzenemethanamide iodide, *in* T-1-00269
- C₂₈H₄₂O₃P**
Diphenyl hexadecylphosphonate, *in* H-1-00027
- C₂₈H₅₆O**
10-Octacosanone, O-1-00003
- C₂₈H₅₆O₁₄**
42-Crown-14, C-1-00177
- C₂₉H₂₂O**
2,3,4,5-Tetraphenyl-2-cyclopenten-1-one, T-1-00099
- C₂₉H₂₄**
Tribenzocentrohexaquinane, T-1-00147
- C₂₉H₂₅BrO₉**
Idopyranosyl bromide; 2,3,4-Tribenzoyl, 6-Ac, *in* I-1-00002
- C₂₉H₂₆P₂**
1,1,3,3-Tetrahydro-5-methyl-1,1,3,3-tetraphenyl-1,3-diphosphorin, T-1-00045
- C₂₉H₃₀Cl₂O₆**
Idopyranosyl chloride; 2,3,4-Tribenzoyl, 6-(chloroacetyl), *in* I-1-00003
- C₂₉H₃₁ClO₆**
Gulopyranosyl chloride; 3,4,6-Tribenzyl, 2-Ac, *in* G-1-00011

- C₂₉H₃₂BrN₂P**
Bis[2-(dimethylamino)phenyl]phenylphosphine; Phenylmethobromide, *in* B-1-00151
Bis[4-(dimethylamino)phenyl]phenylphosphine; Phenylmethobromide, *in* B-1-00153
- C₂₉H₅₆**
1,20-Nonacosadiene, N-1-00040
- C₃₀H₁₂**
Diacenaphtho[3,2,1,8-*cdefg*:3',2',1',8'-*lmnop*]chrysene, D-1-00079
- C₃₀H₂₀N₆**
5,5',6,6'-Tetraphenyl-3,3'-bi-1,2,4-triazine, T-1-00094
- C₃₀H₂₀O₂**
9,9'-Anthroin, A-1-00237
- C₃₀H₂₂**
4b,9,13b,18-Tetrahydroindeno[1,2-*a*]indeno[2',1':2,3]indeno[1,2-*b*]indene, T-1-00038
- C₃₀H₂₂O₂**
1,1,6,6-Tetraphenyl-2,4-hexadiyne-1,6-diol, T-1-00100
- C₃₀H₂₅P₃**
Pentaphenyltriphosphine, P-1-00022
- C₃₀H₂₆N₄**
N,N'-Bis[4-(phenylamino)phenyl]-1,4-benzenediamine, B-1-00191
- C₃₀H₂₆O₄**
2,2'-Dibenzoylbiphenyl; Bis(ethylene ketal), *in* D-1-00130
- C₃₀H₂₈O₂**
 $\alpha,\alpha,\alpha',\alpha'$ -Tetraphenyl-1,2-cyclobutanedimethanol, T-1-00096
- C₃₀H₃₀O₂P₂**
1,3-Bis(diphenylphosphino)cyclohexane; Dioxide, *in* B-1-00155
- C₃₀H₃₀P₂**
1,3-Bis(diphenylphosphino)cyclohexane, B-1-00155
- C₃₀H₃₂I₂P₂**
(2-Methylene-1,3-propanediyl) bis(methyldiphenylphosphonium)diiodide, *in* B-1-00159
- C₃₀H₄₆ClOP**
Bis(2,4,6-trisopropylphenyl)phosphinic acid; Chloride, *in* B-1-00213
- C₃₀H₄₆N₃OP**
Bis(2,4,6-trisopropylphenyl)phosphinic acid; Azide, *in* B-1-00213
- C₃₀H₄₇O₂P**
Bis(2,4,6-trisopropylphenyl)phosphinic acid, B-1-00213
- C₃₀H₅₂**
1,2,3,4-Tetracyclohexylcyclohexane, T-1-00014
- C₃₁H₂₂**
Tri-1-azulenylmethane, T-1-00146
- C₃₁H₂₃N₈[⊕]**
5,5'-(1,3-Cyclopentadiene-1,2-diyl)bis[1,3-diphenyl-1*H*-tetrazolium](1+), C-1-00213
5,5'-(1,3-Cyclopentadiene-1,3-diyl)bis[1,3-diphenyl-1*H*-tetrazolium](1+), C-1-00214
- C₃₁H₃₀O₂**
 $\alpha,\alpha,\alpha',\alpha'$ -Tetraphenyl-1,2-cyclopentanedimethanol, T-1-00098
- C₃₁H₄₁NO₃**
N-[4-[2,4-Bis(1,1-dimethylpropyl)phenoxy]butyl]-1-hydroxy-2-naphthalenecarboxamide, B-1-00154
- C₃₁H₄₈O₁₂**
4-*O*- β -D-Arabinopyranosyl-D-arabinose; 2,2',3'-Tri-Ac, 1-*O*-(3,7,11-trimethyl-2,6,10-dodecatrienyl), *in* A-1-00238
- C₃₂H₂₂O₂**
2,2',5,5'-Tetraphenyl-3,3'-bifuran, T-1-00093
- C₃₂H₂₂O₃**
9,9'-Anthroin; Ac, *in* A-1-00237
- C₃₂H₂₃F₃N₈O₃S**
5,5'-(1,3-Cyclopentadiene-1,2-diyl)bis[1,3-diphenyl-1*H*-tetrazolium](1+); Trifluoromethanesulfonate, *in* C-1-00213
5,5'-(1,3-Cyclopentadiene-1,3-diyl)bis[1,3-diphenyl-1*H*-tetrazolium](1+); Trifluoromethanesulfonate, *in* C-1-00214
- C₃₂H₂₃OP**
[1,1'-Binaphthalen-2-yl]diphenylphosphine; *P*-Oxide, *in* B-1-00105
(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine, H-1-00064
- C₃₂H₂₃O₂P**
(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; Oxide, *in* H-1-00064
- C₃₂H₂₃P**
[1,1'-Binaphthalen-2-yl]diphenylphosphine, B-1-00105
- C₃₂H₂₉ClO₅**
3-Chloro-3-deoxyxylose; Me glycoside, 5-trityl, 2-benzoyl, *in* C-1-00060
- C₃₂H₃₂O₂**
 $\alpha,\alpha,\alpha',\alpha'$ -Tetraphenyl-1,2-cyclohexanedimethanol, T-1-00097
- C₃₂H₃₄N₂O₄**
6,7,14,15,21,22,29,30-Octahydro-13*H*,28*H*-tetrabenzo[*e,j,p,u*][1,4,12,15,8,19]tetraoxadiazacyclodocosine, O-1-00017
- C₃₂H₃₅N₃**
Benziporphyrin, B-1-00012
- C₃₂H₆₄O₁₆**
48-Crown-16, C-1-00178
- C₃₃H₂₀**
3,3-Bis(2-phenylethynyl)-1,5-diphenyl-1,4-pentadiyne, B-1-00195
- C₃₃H₂₂F₃O₄PS**
(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; Oxide, *O*-trifluoromethanesulfonyl, *in* H-1-00064
- C₃₃H₂₂NOP**
2'-(Diphenylphosphino)-[1,1'-binaphthalen]-2-carboxylic acid; Nitrile, oxide, *in* D-1-00508
- C₃₃H₂₂NP**
2'-(Diphenylphosphino)-[1,1'-binaphthalen]-2-carboxylic acid; Nitrile, *in* D-1-00508
- C₃₃H₂₃O₂P**
2'-(Diphenylphosphino)-[1,1'-binaphthalen]-2-carboxylic acid, D-1-00508
- C₃₃H₂₅OP**
2-Methoxy-2'-(diphenylphosphinyl)-1,1'-binaphthyl, *in* H-1-00064
- C₃₃H₂₅O₂P**
(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; Oxide, Me ether, *in* H-1-00064
- C₃₃H₂₆ClO₆P**
(1-Benzoyl-2-oxo-2-phenylethyl)triphenylphosphonium(1+); Perchlorate, *in* B-1-00052
- C₃₃H₂₆O₂P[⊕]**
(1-Benzoyl-2-oxo-2-phenylethyl)triphenylphosphonium(1+), B-1-00052
- C₃₃H₃₂O₂P₂**
Bicyclo[2.2.1]hept-5-ene-2,3-diylbis(methylene)bis(diphenylphosphine); Dioxide, *in* B-1-00088
- C₃₃H₃₂P₂**
Bicyclo[2.2.1]hept-5-ene-2,3-diylbis(methylene)bis(diphenylphosphine), B-1-00088
- C₃₃H₃₄P₂**
2,5-Bis(diphenylphosphino)methylbicyclo[2.2.1]heptane, B-1-00156
- C₃₄H₂₅O₂P**
2'-(Diphenylphosphino)-[1,1'-binaphthalen]-2-carboxylic acid; Me ester, *in* D-1-00508
- C₃₄H₂₅O₃P**
2'-(Diphenylphosphino)-[1,1'-binaphthalen]-2-carboxylic acid; Me ester, *P*-oxide, *in* D-1-00508
- C₃₄H₂₅P**
Triphenylbis(phenylethynyl)phosphorane, T-1-00256
- C₃₄H₂₆Cl₂O₉**
2-*C*-Chlorotalopyranosyl chloride; Tetrabenzoyl, *in* C-1-00164
- C₃₄H₂₇BrO₉**
Fructofuranosyl bromide; Tetrabenzoyl, *in* F-1-00067
Psicofuranosyl bromide; Tetrabenzoyl, *in* P-1-00146
- C₃₄H₂₇ClO₉**
Fructopyranosyl chloride; Tetrabenzoyl, *in* F-1-00070
Psicofuranosyl chloride; Tetrabenzoyl, *in* P-1-00147
- C₃₄H₂₇FO₉**
Galactofuranosyl fluoride; Tetrabenzoyl, *in* G-1-00002
Mannofuranosyl fluoride; Tetrabenzoyl, *in* M-1-00002
Mannopyranosyl fluoride; Tetrabenzoyl, *in* M-1-00004
- C₃₄H₂₇IO₉**
6-Deoxy-6-iodopsicose; Tetrabenzoyl, *in* D-1-00063
- C₃₄H₂₉BrN₂O₁₁**
Galactofuranosyl bromide; 2,3-Di-*O*-benzyl, 5,6-bis-(4-nitrobenzoyl), *in* G-1-00001
- C₃₄H₃₅FO₅**
Galactopyranosyl fluoride; Tetrabenzyl, *in* G-1-00003
- C₃₅H₂₉OP**
(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; Isopropyl ether, *in* H-1-00064
- C₃₅H₂₉O₂P**
(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; Oxide, isopropyl ether, *in* H-1-00064
- C₃₆H₃₀O₂P₂**
1,8-Bis((diphenylphosphinyl)methyl)naphthalene, *in* B-1-00160
2,3-Bis((diphenylphosphinyl)methyl)naphthalene, *in* B-1-00161
- C₃₆H₃₀P₂**
1,8-Bis((diphenylphosphino)methyl)naphthalene, B-1-00160
2,3-Bis((diphenylphosphino)methyl)naphthalene, B-1-00161
- C₃₆H₃₀P₄**
2-(Diphenylphosphino)-1,1,3,3-tetraphenyltriphosphine, D-1-00512
- C₃₆H₃₁N₅**
N-[4-(Phenylamino)phenyl]-*N'*-[4-[[4-(phenylamino)phenyl]amino]phenyl]-1,4-benzenediamine, P-1-00043
- C₃₆H₃₂F₂₄N₄P₄**
5,12,19,26-Tetraazoniaheptacyclo[24.2.2.2^{2,5}.2^{7,10}.2^{12,15}.2^{16,19}.2^{21,24}]tetraconta-2,4,7,9,12,14,16,18,21,23,26,28,29,31,33,35,37,39-octaecaene(4+); Tetrakis(hexafluorophosphate), *in* T-1-00002
- C₃₆H₃₂N₄^{4⊕}**
5,12,19,26-Tetraazoniaheptacyclo[24.2.2.2^{2,5}.2^{7,10}.2^{12,15}.2^{16,19}.2^{21,24}]tetraconta-2,4,7,9,12,14,16,18,21,23,26,28,29,31,33,35,37,39-octaecaene(4+), T-1-00002

- C₃₆H₄₄OP₂**
Tetrakis(2,4,6-trimethylphenyl)diphosphine; 1-Oxide, *in* T-1-00078
- C₃₆H₄₄O₂P₂**
Tetrakis(2,4,6-trimethylphenyl)diphosphine; 1,2-Dioxide, *in* T-1-00078
- C₃₆H₄₄P₂**
Tetrakis(2,4,6-trimethylphenyl)diphosphine, T-1-00078
- C₃₆H₆₀P₂**
1,2-Bis(2,4,6-*tert*-butylphenyl)diphosphine, B-1-00203
- C₃₈H₃₀S₂**
Bis(triphenylmethyl) disulfide, *in* T-1-00261
- C₃₈H₃₂P₂**
2,2'-Bis[(diphenylphosphino)methyl]biphenyl, B-1-00158
- C₃₈H₃₆O₁₀**
Butyl mannoside; 2,3,4,6-Tetrabenzoyl, *in* B-1-00426
- C₃₈H₃₇OPSi**
(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; *O*-*tert*-Butyldimethylsilyl, *in* H-1-00064
- C₃₈H₄₈N₆**
Porphocyanine, P-1-00126
- C₃₉H₂₉OP**
(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; Benzyl ether, *in* H-1-00064
- C₃₉H₂₉O₂P**
(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; Oxide, benzyl ether, *in* H-1-00064
- C₃₉H₃₃O₃P₃**
1,1,2-Tris(diphenylphosphino)cyclopropane; Trioxide, *in* T-1-00273
- C₃₉H₃₃P₃**
1,1,2-Tris(diphenylphosphino)cyclopropane, T-1-00273
- C₃₉H₃₃P₃S₃**
1,1,2-Tris(diphenylphosphino)cyclopropane; Trisulfide, *in* T-1-00273
- C₃₉H₃₆N₂O₁₀**
2,4-Diamino-2,4-dideoxydise; Me glycoside, 2*N*,3,4*N*,6-tetrabenzoyl, 2*N*,4*N*-di-Ac, *in* D-1-00097
- C₄₀H₁₆**
5,6,7,8,13,14,15,16,21,23,24,29,30,31,32-Hexadecadehydrotetrabenzo[*a,g,m,s*]cyclotetracosene, H-1-00023
- C₄₀H₇₆O₃**
Drechslerol B, *in* E-1-00004
- C₄₀H₈₀NO₈P**
Colfosceril palmitate, G-1-00006
- C₄₀H₈₀O₂₀**
60-Crown-20, C-1-00179
- C₄₂H₃₃P₃**
1,2,3-Tris(diphenylphosphino)benzene, T-1-00270
1,2,4-Tris(diphenylphosphino)benzene, T-1-00271
1,3,5-Tris(diphenylphosphino)benzene, T-1-00272
- C₄₂H₃₉NO₇**
5-Amino-5-deoxyallose; 1,2-*O*-Isopropylidene, 3,5*N*-dibenzoyl, 6-trityl, *in* A-1-00098
- C₄₄H₂₆N₄**
2,2'-[1,1'-Binaphthalene]-2,2'-diylbis-1,10-phenanthroline, B-1-00104
- C₄₆H₃₆O₂P₂**
8,8'-Bis[(diphenylphosphino)methyl]-1,1'-binaphthalene; Dioxide, *in* B-1-00157
- C₄₆H₃₆P₂**
8,8'-Bis[(diphenylphosphino)methyl]-1,1'-binaphthalene, B-1-00157
- C₄₆H₄₄N₂O₆**
1,20-Diaza-9,17,28,31,45,48-hexaaxanacyclo [18.18.18.0^{3,8}.0^{13,18}.0^{22,27}.0^{32,37}.0^{39,44}.0^{49,54}] hexatetraconta-3,5,7,13,15,17,22,24,26,32,34,36,39,41,43,49,51,53-octadecaene, D-1-00113
- C₄₈H₂₀**
Benzol[1,2,3-*b,c*:4,5,6-*b'**c'*]diconerone, B-1-00014
- C₄₈H₃₀**
1,3,5-Tris(9*H*-fluoren-9-ylidenemethyl)benzene, T-1-00274
- C₄₈H₃₀N₆P₂**
1,6-Bis(triphenylphosphoranylidene)-2,4-hexadiene-1,2,3,4,5,6-hexacarbonitrile, B-1-00216
- C₄₈H₃₂Cl₄I₄**
6,15,24,33-Tetraiodononacyclo [32.2.2.2^{2,5}.2^{7,10}.2^{11,14}.2^{16,19}.2^{20,23}.2^{25,28}.2^{29,32}] dodecaconta-2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane; Tetrachloride, *in* T-1-00061
- C₄₈H₃₂I₄⁴⁺**
6,15,24,33-Tetraiodononacyclo [32.2.2.2^{2,5}.2^{7,10}.2^{11,14}.2^{16,19}.2^{20,23}.2^{25,28}.2^{29,32}] dodecaconta-2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane, T-1-00061
- C₄₈H₃₂I₈**
6,15,24,33-Tetraiodononacyclo [32.2.2.2^{2,5}.2^{7,10}.2^{11,14}.2^{16,19}.2^{20,23}.2^{25,28}.2^{29,32}] dodecaconta-2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane; Tetraiodide, *in* T-1-00061
- C₄₈H₄₀Br₂P₂**
[1,2-Naphthalenediylbis(methylene)]bis(triphenylphosphonium)(2+); Dibromide, *in* N-1-00001
- C₄₈H₄₀P₂²⁺**
[1,2-Naphthalenediylbis(methylene)]bis(triphenylphosphonium)(2+), N-1-00001
- C₄₈H₆₀N₁₂⁶⁺**
1,1',1'',1''',1''''-(1,2,3,4,5,6-Benzenehexayl)hexakis[4-(dimethylamino)pyridinium](6+), B-1-00004
- C₄₉H₂₈O₇**
5*H*-Heptabenzo[*a,d,g,j,m,p,s*]cycloheptacosene-5,10,15,20,25,30,35-heptone, H-1-00004
- C₄₉H₄₂**
10,15,20,25,30,35-Hexahydro-5*H*-heptabenzo[*a,d,g,j,m,p,s*]cycloheptacosene, H-1-00041
- C₄₉H₈₈N₆P₂**
P-(Diazomethylene)-*N,N,N',N'',N''',N''''*-octacyclohexylbis(phosphonous diamide), *in* D-1-00121
- C₅₀H₁₀₂O**
1-Pentacontanol, P-1-00004
- C₅₂H₃₂F₁₂I₄O₁₂S₄**
6,15,24,33-Tetraiodononacyclo [32.2.2.2^{2,5}.2^{7,10}.2^{11,14}.2^{16,19}.2^{20,23}.2^{25,28}.2^{29,32}] dodecaconta-2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane; Tetrakis(trifluoromethanesulfonate), *in* T-1-00061
- C₅₂H₄₂Cl₂P₂**
9,10-Bis(triphenylphosphinomethyl)anthracene(2+); Dichloride, *in* B-1-00215
- C₅₂H₄₂P₂²⁺**
9,10-Bis(triphenylphosphinomethyl)anthracene(2+), B-1-00215
- C₅₂H₁₀₄O₂**
Acalyphol acetate, *in* P-1-00004
- C₅₄H₄₀P₂**
1,2-Ethynediylbis[triphenylbis(phenylethynyl)phosphorane], E-1-00033
- C₅₄H₄₀P₄**
1,1',3,3',3'-Tetrahydro-1,1',3,3',4,4',5,5'-octaphenylbi-1,3-diphosphol-2-ylidene, T-1-00048
- C₅₄H₄₂P₄**
1,2,3,4-Tetrakis(diphenylphosphino)benzene, T-1-00070
1,2,3,5-Tetrakis(diphenylphosphino)benzene, T-1-00071
1,2,4,5-Tetrakis(diphenylphosphino)benzene, T-1-00072
- C₅₄H₅₂Br₂P₄**
1,1,3,3,8,8,10,10-Octaphenyl-1,10-diphospha-3,8-diphosphoniadecane; Dibromide, *in* O-1-00024
- C₅₄H₅₂Cl₂P₄**
1,1,3,3,8,8,10,10-Octaphenyl-1,10-diphospha-3,8-diphosphoniadecane; Dichloride, *in* O-1-00024
- C₅₄H₅₂P₄²⁺**
1,1,3,3,8,8,10,10-Octaphenyl-1,10-diphospha-3,8-diphosphoniadecane, O-1-00024
- C₅₄H₆₆F₁₈N₁₂O₁₈S₆**
1,1',1'',1''',1''''-(1,2,3,4,5,6-Benzenehexayl)hexakis[4-(dimethylamino)pyridinium](6+); Hexakis(trifluoromethanesulfonate), *in* B-1-00004
- C₅₆H₄₈O₈**
41,42,43,44,45,46,47,48-Octamethoxynonacyclo [35.3.1.1^{2,6}.1^{7,11}.1^{12,16}.1^{17,21}.1^{22,26}.1^{27,31}.1^{32,36}] octatetraconta-1(41),2,4,6(48),7,9,11(47),12,14,16(46),17,19,21(45),22,24,26(44),27,29,31(43),32,34,36(42),37,39-tetracosane, O-1-00020
- C₅₈H₄₀Se₈**
Octakis(phenylseleno)naphthalene, O-1-00019
- C₆₄H₅₆N₈O₈**
Octaamide[2]catenane, O-1-00001
- C₇₂H₆₈O₆P₄**
Bis[4,5-bis(diphenylphosphino)benzo]-18-crown-6, B-1-00120
- C₇₂H₆₈O₁₆P₄**
Bis[4,5-bis(diphenylphosphino)benzo]-18-crown-6; Tetraoxide, *in* B-1-00120
- C₉₆H₉₆N₈**
Kyuphane, K-1-00001
- C₁₀₀H₂₀₂**
Hectane, H-1-00001
- C₁₄₄H₁₁₂B₄I₄**
6,15,24,33-Tetraiodononacyclo [32.2.2.2^{2,5}.2^{7,10}.2^{11,14}.2^{16,19}.2^{20,23}.2^{25,28}.2^{29,32}] dodecaconta-2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane; Tetrakis(tetraphenylborate), *in* T-1-00061
- C₂₀₄H₂₂₄N₁₂O₃₀¹²⁺**
Olympiadane, O-1-00031
- C₂₈₈H₄₈₀**
1,3,25,27,49,51,73,75,97,99,121,123,145,147,169,171,193,195,217,241,243,265,267-Cyclooctacontadohectatetracosayne, C-1-00212

Chemical Abstracts Service Registry Number Index

This index lists in numerical order all Chemical Abstracts Service (CAS) registry numbers contained in the Dictionary.

The first digit of the Dictionary Number refers to the number of the Supplement in which the Entry appears. In this, the First Supplement, the first digit is invariably 1.

Where a CAS registry number applies to a derivative or to a stereoisomer or other variant embedded within the entry, the Dictionary number is preceded by the word *in*'.

The symbol ► preceding an index term indicates that the Dictionary Entry contains information on toxic or hazardous properties.

The symbol † refers to a name which is known to be a duplicated name.

- C₁₅H₂₃N₃O₄S**
 ▶ Cyclacillin, C-00427
 Isosulpride, I-00282
 ▶ Sulpiride, S-00383
- C₁₅H₂₃N₇O₅**
 ▶ Sinefungin, S-00157
- C₁₅H₂₄**
 3(15),6-Caryophylladiene, C-00142
 2-Epicaryophyllene, in C-00142
- C₁₅H₂₄N₂**
 ▶ 5,6-Didehydro- α -isosparteine, in I-00280
- C₁₅H₂₄N₂O**
 Albertidine, in M-00036
 Matrine, M-00036
 Morforex, M-00529
 ▶ 17-Oxosparteine, O-00185
 ▶ Trimecaine, T-00671
- C₁₅H₂₄N₂O₂**
 Dimetholizine, D-00523
 3 α -Hydroxymatrine, in M-00036
 9 α -Hydroxymatrine, in M-00036
 ▶ Oxymatrine, in M-00036
 ▶ Tetracaine, T-00146
- C₁₅H₂₄N₂O₃**
 ▶ Hydroxamethocaine, H-00329
 Hydroxycaine, H-00174
 ▶ Mefexamide, M-00081
- C₁₅H₂₄N₂O₄S**
 ▶ Tiapride, T-00337
- C₁₅H₂₄N₄**
 Nonapyrimine, in A-00451
- C₁₅H₂₄N₄O₂S₂**
 ▶ Prosultiamine, P-00656
- C₁₅H₂₄N₄O₇**
 Clavamycin F, C-00524
- C₁₅H₂₄N₄S**
 Thioperamide, T-00294
- C₁₅H₂₄O**
 3,15-Epoxy-6-caryophyllene, in C-00142
- C₁₅H₂₄O₂**
 Curcumol, C-00740
 1(10)-Germacrene-5,8-dione, G-00058
- C₁₅H₂₄O₄**
 Acoric acid, A-00070
- C₁₅H₂₄O₅**
 Dihydroqinghaosu, in A-00641
- C₁₅H₂₄O₁₀**
 Harpagide, H-00024
- C₁₅H₂₄O₁₁**
 Avicennioside, in H-00024
- C₁₅H₂₄O₁₂**
 Cynanchoside, in H-00024
- C₁₅H₂₅N**
 ▶ Amfepentorex, A-00258
- C₁₅H₂₅NO₂**
 Xibenolol, X-00016
- C₁₅H₂₅NO₃**
 Butaxamine, B-00518
 ▶ Metoprolol, M-00394
 Piraxelate, in O-00182
- C₁₅H₂₅NO₄**
 Amabiline†, A-00230
 ▶ Cynaustine, in A-00230
 ▶ Supinine, in A-00230
- C₁₅H₂₅NO₅**
 Amabiline *N*-oxide, in A-00230
 ▶ Indicine†, I-00091
- C₁₅H₂₅NO₆**
 ▶ Indicine *N*-oxide, in I-00091
- C₁₅H₂₅NO₇**
 Dexpanthenol; Tri-Ac, in P-00024
- C₁₅H₂₅NO₉**
 Aceneuramic acid; Allyl glycoside, Me ester, in A-00052
- C₁₅H₂₅N₃O**
 Caproxamine, C-00050
 Recainam, R-00025
- C₁₅H₂₅N₃O₂**
N^ω-(4-Oxodecanoyl)histamine, in H-00112
- C₁₅H₂₅N₅O₃**
 Rociclovir, R-00110
- C₁₅H₂₆N₂**
 α -Isosparteine, I-00280
 Sparteine, S-00210
- C₁₅H₂₆N₂O**
 Pachycarpine *N*¹⁶-oxide, in S-00210
- C₁₅H₂₆N₂O₅**
 ▶ 3-[3-Methyl-1-(3-methylbutylcarbamoil)butylcarbamoil]-2-oxiranecarboxylic acid, M-00310
- C₁₅H₂₆O**
 2,10-Bisaboladien-7-ol, B-00238
 Nardol, G-00161
 Valeranone, V-00003
- C₁₅H₂₆O₂**
 α -Bisabolol oxide A, B-00239
 α -Bisabolol oxide B, B-00240
- C₁₅H₂₆O₆**
 1,2,3,4,5,6-Tri-*O*-isopropylidene-D-glucitol, in G-00105
- C₁₅H₂₇BN₄**
 1-Boraadamantane 1,3,5,7-tetrazaadamantane, in B-00339
- C₁₅H₂₇NO₂**
 Lupinine; 2-Methylbutanoyl, in L-00199
- C₁₅H₂₇NO₁₀**
 Pantothenic acid; 4'-*O*- β -D-Glucopyranoside, in P-00026
- C₁₅H₂₇N₃O₄S₂**
 Risotilide, R-00096
- C₁₅H₂₇N₅O₅**
 ▶ Rexostatine, R-00058
- C₁₅H₂₇N₇O₈**
 Argininyglycylaspartylserine, A-00627
- C₁₅H₂₈N₄O₅**
 Threonyllysylproline, T-00309
- C₁₅H₂₈O₂**
 4,11-Eudesmanediol, E-00339
- C₁₅H₂₈O₁₁**
 Sucrose; 1',6',4-Tri-Me, in S-00289
 Sucrose; 1',6',6-Tri-Me, in S-00289
- C₁₅H₂₉NO₄**
 Dioxamate, D-00612
- C₁₅H₂₉N₃O₅**
 Marimastat, M-00032a
- C₁₅H₂₉N₄O₃Tc**
 Oxo[[2,2'-(1,3-propanedioldiimino)bis(2-methyl-3-pentanone)dioximato](3-)-*N,N',N'',N'''*]tchnetium, O-00176
- C₁₅H₃₀**
 1-Pentadecene, P-00096
- C₁₅H₃₀O₃**
 Trethocanic acid, H-00332
- C₁₅H₃₁NO**
 Octapinol, O-00023
- C₁₅H₃₁O₇P**
 Glycerol 2-monophosphate; 1-Dodecanoyl, in G-00122
- C₁₅H₃₂I₂N₂**
 Pentolium(2+); Diiodide, in P-00138
- C₁₅H₃₂N₂²⁺**
 Pentolium(2+), P-00138
- C₁₅H₃₂N₂O**
 Pernerid, P-00076
- C₁₅H₃₃I₂N₂O₂**
 Dibutoline(1+); Iodide, in D-00211
- C₁₅H₃₃NO**
 Laurixamine, in A-00439
- C₁₅H₃₃N₂O₂⁺**
 Dibutoline(1+), D-00211
- C₁₅H₃₅O₉P₃**
 Hexaethyl 1,2,3-propanetriyltrisphosphonate, in P-00604
- C₁₆H₈N₂O₅**
 Pirenoxine, P-00393
- C₁₆H₈O₈**
 2,3-Methylene-7-*O*-methylellagic acid, in E-00047
- C₁₆H₉ClFNO₄**
 8-Chloro-3-(2-fluorophenyl)-5,6-dihydrofuro[3,2-*f*]-1,2-benzisoxazole-6-carboxylic acid, C-00322
- C₁₆H₉Cl₂NO₂**
 ▶ Chloroxine; *O*-Benzoyl, in D-00238
- C₁₆H₉F₃O₂**
 ▶ Fluindarol, F-00178
- C₁₆H₉NO₆**
 ▶ Aristolochic acid II, M-00292
- C₁₆H₉NO₇**
 Aristolochic acid C, H-00249
- C₁₆H₁₀ClF₃N₂O**
 Fluquazone, F-00250
- C₁₆H₁₀ClNO₄**
 5-Chloro-7,8-dihydro-3-phenylfuro[2,3-*g*]-1,2-benzisoxazole-7-carboxylic acid, C-00313
- C₁₆H₁₀CIN₃**
 ▶ Lotrifen, L-00186
- C₁₆H₁₀N₂**
 2-Phenyl-4-quinolinecarbonitrile, in P-00261
- C₁₆H₁₀N₂O₂**
 ▶ Indirubin, I-00094
- C₁₆H₁₀N₂O₈S₂**
 ▶ Indigo-5,5'-disulfonic acid, I-00092
- C₁₆H₁₀N₄O₁₁S₂**
 Phenaphthazine, P-00190
- C₁₆H₁₀O₄**
 Umbelliferone; *O*-Benzoyl, in H-00167
 Xenygloxal, B-00231
- C₁₆H₁₀O₅**
 3-*O*-Methylcoumestrol, in C-00709
 9-*O*-Methylcoumestrol, in C-00709
- C₁₆H₁₀O₇**
 Wedelolactone, in T-00189
- C₁₆H₁₀O₈**
 Ellagic acid; Di-Me ether, in E-00047
 Nasutin C, in E-00047
- C₁₆H₁₁ClFNO₂**
 Flunoxapofen; Chloride, in F-00200
- C₁₆H₁₁CIN₂O₃**
 ▶ Clorazepic acid, C-00621
 Tesicam, T-00139
- C₁₆H₁₁CIN₄**
 ▶ Estazolam, E-00191
- C₁₆H₁₁ClO₅**
 7-Chloro-1-*O*-methylemodin, in C-00389
 Fragilin†, in C-00389
- C₁₆H₁₁N**
 5-Cyano-5*H*-dibenzo[*a,d*]cycloheptene, in D-00193
- C₁₆H₁₁NO₂**
 ▶ Benzoxiquine, in Q-00038
 ▶ Cinchophen, P-00261
 2-Cyano-3,3-diphenyl-2-propenoic acid, C-00750

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- 61-50-7 ► Nigerine, D-1-00472
63-89-8 129 Y83, *in* G-1-00006
64-12-0 1-(4-Chlorophenyl)-2-propylamine, C-1-00156
68-36-0 ► 1,4-Bis(trichloromethyl)benzene, B-1-00204
68-76-8 ► Triaziquone, T-1-00145
70-78-0 2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid; (*S*)-form, *in* A-1-00154
77-03-2 ► 3,3-Diethyl-2,4-piperidinedione, D-1-00229
79-03-8 ► Propionyl chloride, *in* P-1-00131
79-05-0 Propanamide, *in* P-1-00131
79-09-4 ► Propanoic acid, P-1-00131
79-94-7 Bromdian, B-1-00221
81-59-4 2,3-Dihydro-1,4,5,8-tetrahydroxyanthraquinone, D-1-00330
81-60-7 1,4,5,8-Tetrahydroxyanthraquinone, T-1-00059
86-34-0 Phensuximide, *in* P-1-00096
86-47-5 7-Chloro-4-hydroxy-3-quinolinecarboxylic acid, *see* C-1-00110
86-89-5 1-Pentyl-naphthalene, P-1-00026
89-94-1 6-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00051
93-22-1 2-Pentyl-naphthalene, P-1-00027
94-86-0 4-(1-Propenyl)-1,2-benzenediol, *see* P-1-00132
99-62-7 1,3-Diisopropylbenzene, D-1-00362
100-18-5 1,4-Diisopropylbenzene, D-1-00363
101-26-8 ► Pyridostigmine bromide, *in* P-1-00178
101-79-1 4-Amino-4'-chlorodiphenyl ether, A-1-00078
105-29-3 3-Methyl-2-penten-4-yn-1-ol, M-1-00100
105-37-3 ► Ethyl propionate, *in* P-1-00131
105-38-4 Propanoic acid; Vinyl ester, *in* P-1-00131
106-36-5 ► Propyl propionate, *in* P-1-00131
106-56-9 2,5-Dimethylmorpholine, D-1-00446
107-12-0 ► Propionitrile, *in* P-1-00131
109-53-5 (2-Methylpropoxy)ethylene, M-1-00124
112-03-8 Trimethyloctadecylammonium chloride, *in* T-1-00245
112-58-3 Dihexyl ether, D-1-00256
116-81-4 1-Amino-4-bromoanthraquinone-2-sulfonic acid, A-1-00067
122-63-4 Benzyl propionate, *in* P-1-00131
123-57-9 3,5-Dimethylmorpholine, D-1-00449
123-62-6 ► Propionic anhydride, *in* P-1-00131
123-75-1 ► Pyrrolidine, P-1-00184
129-15-7 ► 2-Methyl-1-nitroanthraquinone, M-1-00089
130-85-8 Pamoic acid, P-1-00001
141-91-3 2,6-Dimethylmorpholine, D-1-00447
154-08-5 5-Fluorotryptophan; (\pm)-form, *in* F-1-00060
155-97-5 ► Pyridostigmine(1+), P-1-00178
156-41-2 2-(4-Chlorophenyl)ethylamine, C-1-00151
184-83-8 1,7-Dioxadispiro[2.2.2.2]decane, D-1-00489
239-43-0 Indolol[1,2-*c*]quinazoline, I-1-00019
261-03-0 2*H*-Pyranol[2,3-*b*]quinoline, P-1-00153
264-20-0 3*H*-2-Benzazepine, B-1-00002
264-54-0 1*H*-1-Benzazepine, B-1-00001
269-81-8 1*H*-Imidazo[4,5-*b*]quinoxaline, I-1-00009
270-58-6 2*H*-2-Pyridine, P-1-00180
273-94-9 1*H*-Imidazo[4,5-*b*]pyrazine, I-1-00007
274-17-9 1,3,2-Benzodioxathiole, B-1-00015
295-49-8 Azacyclopentadecane, A-1-00241
295-91-0 1,5,9,13-Tetrathiacyclohexadecane, T-1-00104
299-78-5 2-Isopropyl-4-pentenamide, I-1-00079
307-55-1 Tricosafuorododecanoic acid, T-1-00166
307-60-8 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentacosafuoro-12-iodododecane, P-1-00007
307-77-7 Hexadecafluorodecanedioic acid; Diamide, *in* H-1-00025
307-78-8 Hexadecafluorodecanedioic acid, H-1-00025
316-68-7 1-Acetyl-4-fluoronaphthalene, A-1-00029
319-64-2 5-Fluoro-1*H*-indole-2,3-dione; 3-Oxime, *in* F-1-00025
320-50-3 1,4-Dichloro-2-(trifluoromethyl)benzene, D-1-00204
320-60-5 2,4-Dichloro-1-(trifluoromethyl)benzene, D-1-00205
320-65-0 1-(Dichloromethyl)-2-fluorobenzene, D-1-00184
322-97-4 4-Hydroxy-7-(trifluoromethyl)quinoline, H-1-00177
327-62-8 Propanoic acid; K salt, *in* P-1-00131
327-75-3 4-Bromo-1,3-bis(trifluoromethyl)benzene, B-1-00232
327-92-4 1,5-Difluoro-2,4-dinitrobenzene, D-1-00236
328-70-1 1-Bromo-3,5-bis(trifluoromethyl)benzene, B-1-00231
328-73-4 1-Iodo-3,5-bis(trifluoromethyl)benzene, I-1-00024
328-74-5 3,5-Bis(trifluoromethyl)aniline, B-1-00208
328-84-7 1,2-Dichloro-4-(trifluoromethyl)benzene, D-1-00203
328-93-8 2,5-Bis(trifluoromethyl)aniline, B-1-00207
337-20-2 1,1,1,3,3,4,4,4-Octafluoro-2-butanone, O-1-00007
343-89-5 2-Amino-7-fluorofluorene; *N*-Ac, *in* A-1-00137
343-91-9 5-Fluorotryptophan, F-1-00060
343-92-0 6-Fluorotryptophan, F-1-00061
344-04-7 Bromopentafluorobenzene, B-1-00365
344-07-0 Chloropentafluorobenzene, C-1-00137
345-89-1 4-Fluoro-4'-methoxybenzophenone, *in* F-1-00023
346-06-5 2-(Trifluoromethyl)benzyl alcohol, T-1-00196
346-55-4 4-Chloro-7-(trifluoromethyl)quinoline, C-1-00172
347-54-6 5-Fluoro-2-hydroxybenzaldehyde, F-1-00022
349-43-9 2-Fluoropropanoic acid, *see* F-1-00054
349-49-5 2-Amino-4-(trifluoromethyl)thiazole, A-1-00227
349-75-7 3-(Trifluoromethyl)benzyl alcohol, T-1-00197
349-76-8 3'-(Trifluoromethyl)acetophenone, T-1-00188
349-95-1 4-(Trifluoromethyl)benzyl alcohol, T-1-00198
350-92-5 1,1,1-Trifluoro-3-phenyl-2-propanone, T-1-00221
351-35-9 3-(Trifluoromethyl)benzeneacetic acid, T-1-00191
355-08-8 3,3,4,4,5,5,5-Heptafluoro-1-pentene, H-1-00013
355-74-8 2,2,3,3,4,4,5,5-Octafluoro-1,6-hexanediol, O-1-00011
358-21-4 Bis(pentafluoroethyl) ether, B-1-00189
359-52-4 Bromobis(trifluoromethyl)arsine, B-1-00230
359-54-6 Fluorobis(trifluoromethyl)arsine, F-1-00012
360-03-2 Difluorophenylacetic acid, D-1-00248
362-54-9 2-Fluorodiphenylmethanol, F-1-00015
363-13-3 ► Benhepazone, *in* C-1-00193
363-16-6 2-Amino-7-fluorofluorene, A-1-00137
365-17-3 3-Fluorodiphenylmethanol, F-1-00016
365-22-0 4-Fluorodiphenylmethanol, F-1-00017
366-77-8 4-(4-Fluorophenyl)-4-oxobutanoic acid, F-1-00052
374-10-7 Trifluoro(trifluoromethyl)sulfur, T-1-00226
374-14-1 2,2,3,3,3-Pentafluoro-1-propylamine; Hydrochloride, *in* P-1-00018
374-99-2 2,2,3,3,4,4,4-Heptafluoro-1-butylamine, H-1-00012
375-50-8 1,1,2,2,3,3,4,4-Octafluoro-1,4-diiodobutane, O-1-00009
375-73-5 1,1,2,2,3,3,4,4,4-Nonafluoro-1-butanedisulfonic acid, N-1-00043
375-80-4 1,1,2,2,3,3,4,4,5,5,6,6-Dodecafluoro-1,6-diiodohexane, D-1-00546
375-85-9 Tridecafluoroheptanoic acid, T-1-00178
375-88-2 1-Bromo-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane, B-1-00364
375-96-2 Eicosafuorononane, E-1-00001
375-97-3 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heneicosafuorodecane, H-1-00002
378-81-4 4-Chloro-1,1,2,3,3,4,4-heptafluoro-1-butene, C-1-00102
381-61-3 2-Fluoro-1,3-butadiene, F-1-00013
382-24-1 2-(Trifluoromethyl)-1,1,1,3,3,3-hexafluoropropane, T-1-00205
383-19-7 Difluorophenylacetic acid; Amide, *in* D-1-00248
383-29-9 1,1-Sulfonylbis[4-fluorobenzene], *in* B-1-00170
384-64-5 3,3,3-Trifluoro-2-phenylpropene, T-1-00222
392-95-0 2-Chloro-1,5-dinitro-3-(trifluoromethyl)benzene, C-1-00088
393-05-5 1,2,4-Tris(trifluoromethyl)benzene, T-1-00279
393-39-5 4-Fluoro-2-(trifluoromethyl)aniline, F-1-00058
394-32-1 5'-Fluoro-2'-hydroxyacetophenone, F-1-00019
394-50-3 3-Fluoro-2-hydroxybenzaldehyde, F-1-00020
394-52-5 2,2,3,3,3-Pentafluoro-1-phenyl-1-propanone, P-1-00015
395-25-5 1,1-Sulfonylbis[4-fluorobenzene], *in* B-1-00170
395-44-8 1-(Bromomethyl)-2-(trifluoromethyl)benzene, B-1-00347
395-45-9 1-(Trifluoromethyl)-2-vinylbenzene, T-1-00216
399-75-7 5-Fluoro-2-methylbenzothiazole, F-1-00029
400-04-4 1,2,4-Trichloro-5-fluorobenzene, T-1-00159
400-28-2 β -Trifluoromethylcrotonic acid, *in* T-1-00203
400-70-4 1,5-Dichloro-2-nitro-4-(trifluoromethyl)benzene, D-1-00189
400-74-8 1-Fluoro-4-nitro-2-(trifluoromethyl)benzene, F-1-00045
401-81-0 1-Iodo-3-(trifluoromethyl)benzene, I-1-00063

- 401-95-6 3,5-Bis(trifluoromethyl)benzaldehyde, B-1-00209
- 402-23-3 1-(Bromomethyl)-3-(trifluoromethyl)benzene, B-1-00348
- 402-24-4 1-(Trifluoromethyl)-3-vinylbenzene, T-1-00217
- 402-49-3 1-(Bromomethyl)-4-(trifluoromethyl)benzene, B-1-00349
- 402-50-6 1-(Trifluoromethyl)-4-vinylbenzene, T-1-00218
- 402-63-1 1-(3-Fluorophenyl)ethanol, F-1-00051
- 402-64-2 1-(Dichloromethyl)-3-fluorobenzene, D-1-00185
- 403-29-2 2-Bromo-4'-fluoroacetophenone, B-1-00294
- 404-38-6 Bis(4-fluorophenyl)sulfide, B-1-00170
- 405-46-9 1-(4-Chlorophenyl)-2-propylamine; (*S*)-*form*, in C-1-00156
- 405-47-0 1-(4-Chlorophenyl)-2-propylamine; (*R*)-*form*, in C-1-00156
- 406-49-5 1,1,1-Trifluoro-3-methylbutane, T-1-00202
- 406-81-5 1,1,1-Trifluoro-4-bromobutane, T-1-00181
- 420-45-1 2,2-Difluoropropane, D-1-00250
- 420-90-6 3-Bromo-3,3-difluoropropane, B-1-00280
- 422-03-7 2,2,3,3,3-Pentafluoro-1-propylamine, P-1-00018
- 423-55-2 ▶ Perflubron, B-1-00297
- 423-62-1 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heneicosafuoro-10-iododecane, H-1-00003
- 423-91-6 Hexadecafluorodecanedioic acid; Di-Et ester, in H-1-00025
- 425-61-6 2,2,3,3-Tetrafluoro-1,4-butanediol, T-1-00023
- 430-71-7 Propionyl fluoride, in P-1-00131
- 430-97-7 2-Fluoropropanoic acid, *see* F-1-00054
- 430-98-8 2-Fluoropropanoic acid; (\pm)-*form*, Amide, in F-1-00054
- 431-38-9 3-Amino-1,1,1-trifluoro-2-propanol, A-1-00228
- 431-39-0 3,3,3-Trifluoro-1,2-propanediol, T-1-00223
- 431-89-0 1,1,1,2,3,3,3-Heptafluoropropane, H-1-00015
- 432-25-7 2,6,6-Trimethyl-1-cyclohexene-1-carboxaldehyde, T-1-00239
- 434-41-3 2-Chloro-1,1,1,3,4,4,4-heptafluoro-2-butene, C-1-00101
- 434-90-2 Decafluorobiphenyl, D-1-00003
- 440-05-1 Xylopyranosyl fluoride; α -*D*-*form*, Tri-Ac, in X-1-00003
- 443-69-6 5-Fluoro-1*H*-indole-2,3-dione, F-1-00025
- 444-29-1 1-Iodo-2-(trifluoromethyl)benzene, I-1-00062
- 445-26-1 1-(2-Fluorophenyl)ethanol, F-1-00050
- 446-51-5 2-Fluorobenzyl alcohol, F-1-00007
- 454-05-7 3'-(Trifluoromethyl)acetophenone; Semicarbazone, in T-1-00188
- 455-13-0 1-Iodo-4-(trifluoromethyl)benzene, I-1-00064
- 455-34-5 1-(Dibromomethyl)-3-fluorobenzene, D-1-00152
- 456-19-9 1-(Dichloromethyl)-4-fluorobenzene, D-1-00186
- 456-47-3 3-Fluorobenzyl alcohol, F-1-00008
- 459-56-3 4-Fluorobenzyl alcohol, F-1-00009
- 460-37-7 1,1,1-Trifluoro-3-iodopropane, T-1-00187
- 461-18-7 4,4,4-Trifluoro-1-butanol, T-1-00182
- 462-39-5 1,3-Difluoropropane, D-1-00249
- 469-09-0 2-C-(Hydroxymethyl)ribonic acid; *D*-*form*, in H-1-00146
- 472-56-0 Estroside, in E-1-00007
- 472-57-1 16,17-Epoxyestra-1,3,5(10)-trien-3-ol; (16 β ,17 β)-*form*, in E-1-00007
- 475-02-5 Fructofuranosyl fluoride; β -*D*-*form*, Tetra-Ac, in F-1-00068
- 503-45-7 3,3,5-Trimethylcyclohexene, T-1-00237
- 512-48-1 ▶ Valdetamide, in D-1-00227
- 516-15-4 ▶ Pregn-4-ene-3,11,20-trione, P-1-00127
- 519-98-2 ▶ Noramidopyrine, N-1-00053
- 535-52-4 2-Fluoro-5-(trifluoromethyl)aniline, F-1-00057
- 540-42-1 ▶ 2-Methylpropyl propanoate, in P-1-00131
- 554-12-1 ▶ Methyl propionate, in P-1-00131
- 559-91-1 2,2,3,3,4,4,4-Heptafluoro-1-phenyl-1-butanone, H-1-00014
- 574-45-8 *N*-(Diphenylmethylene)aniline, D-1-00503
- 575-03-1 7-Hydroxy-4-(trifluoromethyl)-2*H*-1-benzopyran-2-one, H-1-00176
- 577-55-9 1,2-Diisopropylbenzene, D-1-00361
- 579-39-5 Bis(4-fluorophenyl)ethanedione, B-1-00165
- 583-81-3 2,5-Dimethyl-1,4-cyclohexanedione, D-1-00384
- 585-86-4 ▶ Lactitol, L-1-00001
- 590-01-2 ▶ Butyl propionate, in P-1-00131
- 591-34-4 1-Methylpropyl propanoate, in P-1-00131
- 593-33-9 1-Fluorotetradecane, F-1-00055
- 593-88-4 ▶ Trimethylarsine, T-1-00236
- 598-22-1 Propionyl bromide, in P-1-00131
- 598-40-3 Propionyl iodide, in P-1-00131
- 603-77-0 (2,6-Dimethylphenyl)hydrazine, D-1-00460
- 608-97-9 Benzeneptamine, B-1-00006
- 613-53-6 2-(Tribromomethyl)quinoline, T-1-00151
- 613-85-4 (2,5-Dimethylphenyl)hydrazine, D-1-00459
- 614-69-7 1-Isothiocyanato-2-methylbenzene, I-1-00091
- 615-00-9 (2,4-Dimethylphenyl)hydrazine, D-1-00458
- 615-20-3 ▶ 2-Chlorobenzothiazole, C-1-00019
- 616-31-9 3-Pentanethiol, P-1-00021
- 620-71-3 Propionanilide, in P-1-00131
- 623-38-1 3-Oxopentanal; Oxo-*form*, in O-1-00050
- 624-54-4 Pentyl propanoate, in P-1-00131
- 628-44-4 2-Methyl-2-octanol, M-1-00096
- 629-64-1 Diheptyl ether, D-1-00254
- 637-27-4 ▶ Phenyl propionate, in P-1-00131
- 637-59-2 1-Bromo-3-phenylpropane, B-1-00382
- 637-78-5 ▶ Isopropyl propionate, in P-1-00131
- 644-46-2 5-Hydroxy-2-methyl-4*H*-pyran-4-one, H-1-00126
- 651-93-4 Tetrakis(trifluoromethyl)thiophene, T-1-00077
- 653-31-6 2-(Pentafluorophenyl)ethanol, P-1-00016
- 653-34-9 Pentafluorovinylbenzene, P-1-00019
- 654-01-3 2,6-Difluorophenylacetic acid; Nitrile, in D-1-00246
- 655-32-3 2,2,2,4'-Tetrafluoroacetophenone, T-1-00022
- 656-35-9 2,4-Difluorophenylacetic acid; Nitrile, in D-1-00245
- 656-60-0 2-Fluorocyclohexanol, F-1-00014
- 658-93-5 3,4-Difluorophenylacetic acid, D-1-00247
- 658-99-1 3,4-Difluorophenylacetic acid; Nitrile, in D-1-00247
- 659-46-1 4-Fluorobenzyl alcohol, *see* F-1-00009
- 666-62-6 1,1-Dimethyl-2,2-bis(trifluoromethyl)diphosphine, D-1-00376
- 671-42-1 3-Aminohexahydro-2*H*-azepin-2-one, A-1-00142
- 688-44-8 Methyl(diethoxyphosphino)acetate, in D-1-00224
- 688-49-3 Ethyl(diethoxyphosphino)acetate, in D-1-00224
- 693-67-4 1-Bromoundecane, B-1-00404
- 697-57-4 3-Acetyl-2,4-pyrrolidinedione, A-1-00033
- 698-48-6 4-Chloro-2-hydroxy-2,4,6-cycloheptatrien-1-one, C-1-00106
- 700-35-6 2'-Chloro-4'-fluoroacetophenone, C-1-00095
- 708-64-5 2,2,2,3'-Tetrafluoroacetophenone, T-1-00021
- 708-75-8 2-Amino-4-hydroxy-6-methylpteridine, A-1-00147
- 709-37-5 2-Methyl-3-cyclohexene-1-carboxaldehyde; (1*RS*,2*SR*)-*form*, Semicarbazone, in M-1-00048
- 709-63-7 4'-(Trifluoromethyl)acetophenone, T-1-00189
- 721-37-9 2,2,2-Trifluoro-3'-(trifluoromethyl)acetophenone, T-1-00224
- 721-63-1 4-(Trifluoromethyl)benzeneacetic acid; Et ester, in T-1-00192
- 727-99-1 2-(Trifluoromethyl)benzophenone, T-1-00193
- 728-81-4 3-(Trifluoromethyl)benzophenone, T-1-00194
- 728-86-9 4-(Trifluoromethyl)benzophenone, T-1-00195
- 729-81-7 1,3,5-Tris(trifluoromethyl)benzene, T-1-00280
- 732-47-8 3-(Trifluoromethyl)benzophenone; Oxime, in T-1-00194
- 758-96-3 ▶ Propanoic acid; Dimethylamide, in P-1-00131
- 764-57-8 3-Hepten-1-yne; (*Z*)-*form*, in H-1-00016
- 764-58-9 3-Hepten-1-yne; (*E*)-*form*, in H-1-00016
- 765-13-9 1-Pentadecyne, P-1-00012
- 766-07-4 ▶ Cyclohexyl hydroperoxide, C-1-00201
- 766-48-3 2-Methyl-3-cyclohexene-1-carboxaldehyde; (1*RS*,2*RS*)-*form*, in M-1-00048
- 767-10-2 ▶ Pyrrolidine; *N*-Butyl, in P-1-00184
- 767-64-6 4-Amino-2,1,3-benzothiazazole, A-1-00059
- 767-93-1 2*H*-Pyrano[2,3-*c*]pyridine, P-1-00152
- 771-17-5 2,3-Dihydro-3-methyl-4*H*-1-benzothiopyran-4-one, D-1-00299
- 779-89-5 3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, T-1-00209
- 784-71-4 2'-Deoxy-2'-fluorouridine, D-1-00038
- 802-93-7 α,α,α' -Tetrakis(trifluoromethyl)-1,3-benzenedimethanol, T-1-00074
- 813-68-3 2,2-Dimethylpentanoic acid; Me ester, in D-1-00452
- 814-65-3 1-Cyano-1-fluoroethane, in F-1-00054
- 815-48-5 3-Bromo-2-pentanone, B-1-00373
- 817-71-0 1-Bromo-2-pentanone, B-1-00372
- 822-27-5 Dioctyl disulfide, D-1-00488
- 822-54-8 4-Isothiazolecarboxaldehyde, I-1-00086
- 822-82-2 4-Isothiazolecarboxylic acid, I-1-00089
- 823-19-8 3-Hydroxycyclohexanone, H-1-00074
- 823-36-9 2-Ethyl-1,3-cyclopentanedione, E-1-00013
- 824-29-3 3-Chloro-2-hydroxy-2,4,6-cycloheptatrien-1-one, C-1-00105
- 826-86-8 2,3-Dihydro-2-methyl-4*H*-1-benzothiopyran-4-one, D-1-00298
- 830-07-9 Nitrofurilen, N-1-00017
- 868-01-9 2-Cyano-3-ethyl-2-pentenoic acid, in E-1-00025
- 868-04-2 (1-Ethylpropylidene)propanedioic acid; Mononitrile, Et ester, in E-1-00025
- 873-30-3 2-Methyl-3-cyclohexene-1-carboxaldehyde; (1*RS*,2*SR*)-*form*, in M-1-00048
- 874-84-0 2-(2-Nitrovinyl)thiophene, N-1-00039
- 879-39-0 1,2,3,4-Tetrachloro-5-nitrobenzene, T-1-00010
- 879-97-0 4-*tert*-Butyl-2,6-dimethylphenol, B-1-00418
- 918-79-6 3-Hydroxy-2,2,4-trimethylpentanal, H-1-00179
- 926-20-5 4,6-Dimethyl-1,5-heptadien-4-ol, D-1-00407
- 930-55-2 ▶ Pyrrolidine; *N*-Nitroso, in P-1-00184
- 931-77-1 1-Bromo-1-methylcyclohexane, B-1-00322

931-96-4	1-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00047	1423-46-7	2,4,6-Trimethyl-3-cyclohexene-1-carboxaldehyde, <i>see</i> T-1-00238	1849-26-9	4-(Phenylethynyl)phenol, P-1-00072
934-53-2	2-Chloro-2-phenylpropane, C-1-00155	1435-20-7	1,2-Dihydro-2-oxocyclohepta[b]pyrrole-3-carbonitrile, <i>in</i> D-1-00318	1853-88-9	2,4-Diamino-6-benzyl-1,3,5-triazine, D-1-00084
935-64-8	1-Phenylcyclobutanol, P-1-00056	1437-57-6	<i>N</i> ,5-Diphenyl-1,3,4-thiadiazol-2-amine, <i>in</i> A-1-00200	1855-55-6	5-Chlorocyclooctene, C-1-00034
936-49-2	4,5-Dihydro-2-phenylimidazole, D-1-00323	1438-68-2	[2.2]Paracyclophane-4-carboxylic acid, <i>see</i> P-1-00003	1879-09-0	2- <i>tert</i> -Butyl-4,6-dimethylphenol, B-1-00416
938-91-0	<i>N,N'</i> -Dimethyl- <i>N</i> -phenylurea, D-1-00464	1445-23-4	6- <i>tert</i> -Butyl-3,4-dimethylphenol, B-1-00419	1890-22-8	1-Chlorocyclooctene, C-1-00031
939-99-1	1-(Chloromethyl)-4-(trifluoromethyl)benzene, C-1-00127	1446-24-8	3-(2-Propenyl)phenol, P-1-00136	1962-83-0	2-Amino-6-oxohexanoic acid, A-1-00186
947-19-3	1-Benzoylcyclohexanol, B-1-00048	1452-17-1	3-Cyanoisothiazole, <i>in</i> I-1-00088	1967-52-8	1,5-Diphenyl-3-formazancarboxylic acid, D-1-00499
948-19-6	<i>N,N</i> -Dimethyltryptamine <i>N</i> -oxide, <i>in</i> D-1-00472	1455-20-5	2-Butylthiophene, B-1-00435	1968-51-0	α -Hydroxymaltol, H-1-00100
961-39-7	2,4,6-Tri- <i>tert</i> -butylbenzenethiol, T-1-00154	1455-26-1	Naphtho[2,3- <i>c</i>][1,2,5]thiadiazole-4,9-dione, N-1-00006	1999-85-5	1,3-Bis(1-hydroxy-1-methylethyl)benzene, B-1-00179
1002-16-0	Pentyl nitrate, P-1-00028	1459-29-6	[1,1'-Bicyclohexyl]-4,4'-dicarboxylic acid, B-1-00091	2002-03-1	2-Amino-5-phenyl-1,3,4-thiadiazole, A-1-00200
1002-33-1	1,3-Octadiene, O-1-00006	1460-38-4	2-Oxocyclopentaneacetic acid, O-1-00040	2002-72-4	α,α -Difluorobenzeneacetonitrile, <i>in</i> D-1-00248
1005-10-3	4,5-Dicyano-2-thioxo-1,3-dithiole, <i>in</i> T-1-00136	1468-87-7	Octahydrocyclopenta[<i>c</i>]pyrrole, <i>see</i> O-1-00013	2002-94-0	3-(Pentafluorophenyl)propanoic acid, P-1-00017
1006-39-9	2'-Bromo-4'-fluoroacetophenone, B-1-00295	1470-35-5	5-Bromo-2-phenyl-1,3-indanedione, B-1-00377	2016-05-9	1,1-Bis(cyclohexyloxy)trimethylamine, B-1-00139
1007-00-7	2-Thioxo-1,3-dithiole-4,5-dicarboxylic acid; Dinitrile, 2- <i>S</i> -oxide, <i>in</i> T-1-00136	1484-28-2	2-Bromo-3-methyl-1 <i>H</i> -indole, B-1-00335	2018-85-1	Tetrahydro-2-furanacetic acid; (\pm)- <i>form</i> , Me ester, <i>in</i> T-1-00036
1007-03-0	Cyclopropylphenylmethanol, C-1-00223	1489-28-7	1,2,3,6,7,7a-Hexahydro-5 <i>H</i> -inden-5-one, H-1-00043	2045-23-0	4-[(2-Chloroethyl)amino]benzoic acid, C-1-00093
1008-61-3	2-Thioxo-1,3-dithiole-4,5-dicarboxylic acid; Diamide, <i>in</i> T-1-00136	1496-78-2	3-Bromo-2-methyl-1 <i>H</i> -indole, B-1-00336	2062-25-1	3-[2-(Trifluoromethyl)phenyl]-2-propenoic acid, T-1-00208
1008-62-4	2-Thioxo-1,3-dithiole-4,5-dicarboxylic acid, T-1-00136	1504-56-9	3-(3,4,5-Trihydroxyphenyl)-2-propen-1-ol, <i>see</i> T-1-00233	2062-26-2	3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, T-1-00210
1024-94-8	3,3'-Dinitro-2,2'-bipyridine, D-1-00479	1515-14-6	1,1,1,3,3,3-Hexafluoro-2-methyl-2-propanol, H-1-00032	2064-02-0	Bicyclo[2.2.1]heptane-1-methanol, B-1-00084
1072-99-7	4-Piperidinethiol; 1-Me, <i>in</i> P-1-00125	1530-88-7	1-Cyanopyrrolidine, <i>in</i> P-1-00186	2077-13-6	1-Chloro-2-isopropylbenzene, C-1-00113
1075-34-9	5-Bromo-2-methyl-1 <i>H</i> -indole, B-1-00338	1540-34-7	3-Ethyl-2,4-pentanedione, E-1-00020	2084-19-7	2-Pentanethiol, P-1-00020
1076-51-3	3-Amino-2-phenylpropanoic acid, <i>see</i> A-1-00198	1552-40-5	4-(4-Phenyl-1,3-butadienyl)benzoic acid, <i>see</i> P-1-00053	2084-92-6	2-Nitro-4-(2-nitroethenyl)phenol, N-1-00027
	3-Amino-2-phenylpropanoic acid; (<i>R</i>)- <i>form</i> , <i>in</i> A-1-00198	1576-93-8	4-Chloro-2-buten-1-ol; (<i>Z</i>)- <i>form</i> , <i>in</i> C-1-00028	2108-66-9	Cyclohexyl nitrate, C-1-00204
1081-77-2	Nonylbenzene, N-1-00050	1579-80-2	1,1,1-Trifluoro-3-phenylpropane, T-1-00220	2132-33-4	2(1 <i>H</i>)-Cycloheptimidazolone, C-1-00193
1100-11-4	Bis[4-(dimethylamino)phenyl]phenylphosphine, B-1-00153	1585-67-7	Benzil-4,4'-dicarboxylic acid, B-1-00010	2132-62-9	1,1'-(1,2-Ethyndiyl)bis[4-methoxybenzene], <i>in</i> B-1-00182
1100-95-4	4,4'-(Phenylphosphinothioylidene)bis[<i>N,N</i> -dimethylbenzenamine], <i>in</i> B-1-00153	1593-07-3	Tetracyclohexylmethane, T-1-00016	2132-63-0	1,1'-(1,2-Ethyndiyl)bis[4-ethoxybenzene], <i>in</i> B-1-00182
1114-51-8	Propanoic acid; Diethylamide, <i>in</i> P-1-00131	1608-45-3	4-Chloro-1,2-diiodobenzene, C-1-00086	2248-46-6	Difluorophenylacetic acid, <i>see</i> D-1-00248
1120-02-1	Trimethyloctadecylammonium(1+); Bromide, <i>in</i> T-1-00245	1608-78-2	3-Oxoheptanedioic acid, O-1-00045	2253-15-8	5-(Trifluoromethyl)-2(5 <i>H</i>)-furanone, T-1-00204
1121-90-0	3-Amino-1,2,4-triazin-5(2 <i>H</i>)-one, A-1-00220	1632-19-5	3,4-Dihydroxy-1 <i>H</i> -pyrrole-2,5-dicarboxylic acid; Di-Me ester, <i>in</i> D-1-00353	2270-59-9	5-Bromo-2-methyl-2-pentene, B-1-00343
1129-42-6	(Hexahydro-6-methyl-2-oxo-4-pyrimidinyl)urea, H-1-00044	1632-57-1	3,4-Dihydroxy-1 <i>H</i> -pyrrole-2,5-dicarboxylic acid; Di-Me ether, Di-Me ester, <i>in</i> D-1-00353	2275-84-5	1-(4-Chlorophenyl)-2-propylamine; (\pm)- <i>form</i> , <i>in</i> C-1-00156
1185-39-3	2,2-Dimethylpentanoic acid, D-1-00452	1634-82-8	4'-Hydroxyazobenzene-2-carboxylic acid, H-1-00054	2295-58-1	Flopropione, T-1-00232
1187-58-2	Propanoic acid; Methylamide, <i>in</i> P-1-00131	1654-87-1	Octahydro-4a(2 <i>H</i>)-naphthalenol; (4 <i>aRS</i> ,8 <i>aSR</i>)- <i>form</i> , <i>in</i> O-1-00016	2309-48-0	1,3-Di-2-thienyl-2-propen-1-one, D-1-00535
1192-63-8	1-(Chlorocarbonyl)pyrrolidine, <i>in</i> P-1-00186	1667-12-5	4,4'-Bis(hydroxymethyl)biphenyl, B-1-00177	2342-09-8	Hexadecafluorodecanedioic acid; Dinitrile, <i>in</i> H-1-00025
1196-38-9	3,4-Dihydro-1(2 <i>H</i>)-isoquinolinone, D-1-00297	1685-81-0	4,6-Dimethyl-1-indanone, D-1-00426	2348-77-8	2-Phenyl-1,4-naphthoquinone, P-1-00082
1196-68-5	3,4-Dichloro-1 <i>H</i> -pyrrole-2,5-dicarboxaldehyde, D-1-00194	1689-56-1	Pyrrolidine; Monopicate, <i>in</i> P-1-00184	2358-22-7	Tridecafluoroheptanoic acid; Amide, <i>in</i> T-1-00178
1197-10-0	6-(Hydroxymethyl)-2-pyridinecarboxylic acid, H-1-00139	1717-24-4	1-Acetyl-4-fluoronaphthalene; Oxime, <i>in</i> A-1-00029	2360-38-5	2-Mercapto-5-nitrobenzimidazole, <i>see</i> M-1-00011
1197-98-4	Benzenesulfonyl thiocyanate, B-1-00007	1721-94-4	1,3-Dimethylisoquinoline, D-1-00432	2366-56-5	2-Fluoropropanoic acid, <i>see</i> F-1-00054
1198-15-8	2,3-Dihydro-4(1 <i>H</i>)-quinolinone; <i>N</i> -Me, <i>in</i> D-1-00328	1721-95-5	1,4-Dimethylisoquinoline, D-1-00433	2366-70-3	4,4,4-Trifluoro-2-butanone, T-1-00183
1198-66-9	2'-Hydroxy-3',5'-dimethylacetophenone, H-1-00078	1745-81-9	2-(2-Propenyl)phenol, P-1-00135	2399-66-8	1-Benzoyl-2-pyrrolidinone, B-1-00057
1199-07-1	3-Methyl-2-benzofurancarboxaldehyde, M-1-00029	1749-68-4	4-Amino-6-chloro-2-methylpyrimidine, A-1-00087	2432-24-8	2-Pteridinol, P-1-00148
1210-27-1	1,2-Dihydro-2-oxocyclohepta[b]pyrrole-3-carboxylic acid; Et ester, <i>in</i> D-1-00318	1761-63-3	4-Hydroxy-3-biphenylcarboxaldehyde, H-1-00067	2432-26-0	6-Pteridinol, P-1-00149
1211-37-6	2,7-Dibromoacridine, D-1-00134	1765-42-0	2-Amino-3,4,5,6-tetrafluorobenzoic acid, A-1-00208	2432-27-1	7-Pteridinol, P-1-00150
1335-66-6	2,4,6-Trimethyl-3-cyclohexene-1-carboxaldehyde, T-1-00238	1766-23-0	Hexadecafluorodecanedioic acid; Dichloride, <i>in</i> H-1-00025	2432-83-9	Octanethioic acid; <i>SH</i> - <i>form</i> , <i>S</i> -Me ester, <i>in</i> O-1-00023
1338-23-4	2-Butanone peroxide, B-1-00408	1775-39-9	4-Chloro-2-buten-1-ol; (<i>E</i>)- <i>form</i> , <i>in</i> C-1-00028	2432-84-0	Octanethioic acid; <i>SH</i> - <i>form</i> , <i>S</i> -Et ester, <i>in</i> O-1-00023
		1786-03-4	2-(1-Naphthalenyl)-1 <i>H</i> -indene-1,3(2 <i>H</i>)-dione, N-1-00002	2434-00-6	Tetrahydro-2-furanacetic acid, T-1-00036
		1786-05-6	4-Hydroxy-3-phenyl-2 <i>H</i> -1-benzopyran-2-one, H-1-00166	2434-02-8	Tetrahydro-2-furanacetic acid; (\pm)- <i>form</i> , Et ester, <i>in</i> T-1-00036
		1801-72-5	<i>N,N'</i> -Di-2-propenylurea, D-1-00526	2454-37-7	1-(3-Aminophenyl)ethanol, A-1-00193
				2492-83-3	2-(4-Chlorophenyl)ethylamine; Hydrochloride, <i>in</i> C-1-00151

2538-61-6	(2,6-Dimethylphenyl)hydrazine; Monohydrochloride, <i>in</i> D-1-00460	3047-99-2	4-(Trifluoromethyl)benzylamine; Hydrochloride, <i>in</i> T-1-00201	3603-86-9	1,2-Cycloheptanedicarboxylic acid; (1 <i>RS</i> ,2 <i>SR</i>)- <i>form</i> , <i>in</i> C-1-00192
2568-90-3	Dibutoxymethane, D-1-00165	3048-01-9	2-(Trifluoromethyl)benzylamine, T-1-00199	3610-14-8	4-Hydroxy-2-methylbenzofuran, H-1-00105
2606-51-1	5-(Bromomethyl)-1,3-benzodioxole, B-1-00313	3048-45-1	4-Chlorobenzothiazole, C-1-00020	3610-15-9	4-Hydroxy-3-methylbenzofuran, H-1-00106
2615-09-0	Bis(4-acetylphenyl) sulfide, B-1-00118	3049-37-4	3,3'-(1,4-Phenylene)bis-2-propenal, P-1-00066	3616-08-8	Cyclic CMP, C-1-00185
2615-11-4	Bis(4-acetylphenyl) ether, B-1-00117	3073-30-1	2-Amino-3,5-dinitropyridine, A-1-00130	3619-93-0	1,2-Diethyl-1,2-diphenyldiphosphine, D-1-00226
2644-50-0	4-Amino-3-oxo-5-isoxazolidineacetic acid, <i>see</i> A-1-00187	3082-71-1	2,2-Dimethyl-1-phenyl-1-propylamine; (<i>R</i>)- <i>form</i> , <i>in</i> D-1-00463	3654-50-0	3,4'-Dihydroxychalcone, D-1-00341
2644-51-1	4-Amino-3-oxo-5-isoxazolidineacetic acid, <i>see</i> A-1-00187	3109-99-7	2-Fluoro-2-methyl-1-propanol, F-1-00044	3660-09-1	1,4-Diamino-2-butanone; Hydrochloride (1:2), <i>in</i> D-1-00086
2644-64-6	Colfosceril palmitate, G-1-00006	3123-22-6	1,2,3,4-Tetrahydroxanthone, T-1-00058	3663-37-4	5-Amino-3-phenyl-1,2,4-oxadiazole, A-1-00197
2647-96-3	1,1,2,2,3,3-Hexafluoro-1,3-diphenylpropane, H-1-00030	3123-98-6	Tetrahydro-5-methyl-2 <i>H</i> -pyran-2-one, T-1-00044	3663-39-6	5-Amino-3-methyl-1,2,4-oxadiazole, A-1-00175
2648-71-7	3-Bromo-3-methyl-2-butanone, B-1-00319	3150-18-3	2,3-Diamino-2,3-dideoxymannose; α -D-Pyranose- <i>form</i> , Me glucoside, 4,6-O-benzylidene, 2 <i>N</i> ,3 <i>N</i> -di-Ac, <i>in</i> D-1-00099	3675-31-8	2-Cyclohexene-1-acetic acid, C-1-00196
2683-84-3	Chlorin, C-1-00010	3153-44-4	4-(4-Methoxyphenyl)-4-oxobutanoic acid, <i>in</i> H-1-00171	3683-97-4	5-Isothiazolecarboxylic acid; Chloride, <i>in</i> I-1-00090
2706-56-1	2-(2-Aminoethyl)pyridine, A-1-00136	3167-50-8	2-Amino-5-pyrimidinecarboxylic acid, A-1-00206	3683-98-5	5-Isothiazolecarboxylic acid; Amide, <i>in</i> I-1-00090
2713-54-4	Mannopyranosyl fluoride; α -D- <i>form</i> , <i>in</i> M-1-00004	3180-22-1	5-Uridinecarboxylic acid, U-1-00007	3695-77-0	Triphenylmethanethiol, T-1-00261
2714-60-5	Tetrakis(trifluoromethyl)diphosphine, T-1-00075	3189-48-8	2-Indolizinecarboxylic acid, I-1-00016	3706-38-5	1-(4-Chlorophenyl)-2-propylamine; (\pm)- <i>form</i> , Hydrochloride, <i>in</i> C-1-00156
2740-83-2	3-(Trifluoromethyl)benzylamine, T-1-00200	3199-50-6	2-Acetyl-5-bromofuran, A-1-00016	3714-62-3	1,2,3,5-Tetrachloro-4-nitrobenzene, T-1-00011
2740-88-7	1-Fluoro-4-(isothiocyanatomethyl)benzene, F-1-00028	3201-60-3	2-Bromo-1-phenyl-2-triphenylphosphoranylidene-ethanone, B-1-00384	3724-26-3	1 <i>H</i> -Imidazole-2-methanol, I-1-00004
2765-16-4	1,2-Bis(3-methylphenyl)acetylene, B-1-00186	3205-96-7	<i>N,N,N',N'</i> -Tetramethyl- <i>P</i> -(trifluoromethyl)phosphonous diamide, <i>in</i> T-1-00211	3749-12-0	1 <i>H</i> -1-Benzazepine; 2,3-Dihydro, <i>in</i> B-1-00001
2770-11-8	2-Amino-4'-chlorodiphenyl ether, A-1-00077	3208-05-7	1,9-Decanediol; (\pm)- <i>form</i> , <i>in</i> D-1-00008	3753-81-9	4,4'-[1,3-Propanediylbis(oxy)]bisbenzoic acid, P-1-00129
2786-51-8	5-Chlorobenzothiazole, C-1-00021	3211-56-1	2-Benzylpyrrolidine; (\pm)- <i>form</i> , <i>N</i> -Me, <i>in</i> B-1-00076	3757-05-9	1,5,5,6-Tetramethylcyclohexene, T-1-00080
2789-88-0	1,2-Bis(4-methylphenyl)acetylene, B-1-00187	3216-65-7	2-Acetyl-5-chlorofuran, A-1-00022	3760-22-3	3-Hydroxy-2-methylthiophene, H-1-00148
2794-75-4	2,2,3,3,4,4,4-Heptafluoro-1-butylamine; Hydrochloride, <i>in</i> H-1-00012	3235-46-9	4-Amino-4-methylpentanoic acid, A-1-00176	3760-25-6	3-Hydroxy-2-methylthiophene, <i>see</i> H-1-00148
2797-68-4	Colfosceril palmitate, <i>see</i> G-1-00006	3282-73-3	Didodecyltrimethylammonium(1+); Bromide, <i>in</i> D-1-00221	3760-55-2	1-Nitropyrrrolidine, N-1-00036
2806-40-8	3-Hepten-1-yne, H-1-00016	3300-51-4	4-(Trifluoromethyl)benzylamine, T-1-00201	3781-88-2	4-Methoxy-3-methylbenzofuran, <i>in</i> H-1-00106
2823-44-1	Mannopyranosyl fluoride; α -D- <i>form</i> , Tetra-Ac, <i>in</i> M-1-00004	3305-80-4	1,1-Dicyclohexyl-2,2-diphenyldiphosphine; Disulfide, <i>in</i> D-1-00210	3781-89-3	4-Methoxy-2-methylbenzofuran, <i>in</i> H-1-00105
2823-45-2	Fructopyranosyl fluoride; β -D- <i>form</i> , Tetra-Ac, <i>in</i> F-1-00071	3305-81-5	1,1-Diethyl-2,2-diphenyldiphosphine, <i>see</i> D-1-00225	3807-51-0	8 <i>H</i> -Dithieno[3,2- <i>b</i> :2',3'- <i>e</i>]thiopyran-8-one, D-1-00532
2835-33-8	2-(2-Propenyl)pyridine, P-1-00137	3324-82-1	Cyclohexyl phenyl sulfoxide, C-1-00206	3821-46-3	3-Fluorobenzyl alcohol; 4-Methylbenzenesulfonyl, <i>in</i> F-1-00008
2857-75-2	Tetrahydro-5-methyl-2 <i>H</i> -pyran-2-one; (<i>R</i>)- <i>form</i> , <i>in</i> T-1-00044	3333-20-8	1-Methyl-3-(2-propenyl)benzene, M-1-00122	3825-18-1	Mannopyranosyl fluoride; α -D- <i>form</i> , Tetrabenzoyl, <i>in</i> M-1-00004
2876-44-0	2-Octylnaphthalene, O-1-00029	3339-85-3	5-Chloro-2,2'-bithiophene, C-1-00027	3859-77-6	4-Fluorobenzyl alcohol; 4-Methylbenzenesulfonyl, <i>in</i> F-1-00009
2876-45-1	2-Heptylnaphthalene, H-1-00020	3343-39-3	2-(2-Aminoethyl)pyridine; Dihydrochloride, <i>in</i> A-1-00136	3862-87-1	Xylopyranosyl fluoride; β -D- <i>form</i> , Tribenzoyl, <i>in</i> X-1-00003
2876-46-2	2-Hexylnaphthalene, H-1-00051	3365-26-2	1-Phenylcyclobutene, P-1-00058	3912-37-6	4-Cyanoisothiazole, <i>in</i> I-1-00089
2876-51-9	1-Octylnaphthalene, O-1-00028	3389-54-6	Pyrrrolidine; <i>N</i> -Benzoyl, <i>in</i> P-1-00184	3937-96-0	[(4-Methylphenyl)sulfonyl]acetic acid, <i>in</i> M-1-00113
2876-52-0	1-Heptylnaphthalene, H-1-00019	3401-74-9	Didodecyltrimethylammonium(1+); Chloride, <i>in</i> D-1-00221	3952-36-1	9 <i>H</i> -Fluorene-9-ethanol, F-1-00004
2876-53-1	1-Hexylnaphthalene, H-1-00050	3455-86-5	2-Acetyl-4-bromofuran, A-1-00015	3965-59-1	2,4-Dimethyl-1-hexanol, D-1-00411
2887-72-1	3,5-Dibromo-4-hydroxyacetophenone, D-1-00148	3456-82-4	2,3-Dihydro-2,3-dioxo-1 <i>H</i> -indole-5-sulfonic acid; Amide, <i>in</i> D-1-00274	3971-28-6	1,3-Cyclohexanedimethanol, C-1-00195
2894-87-3	2,2',3,3',4,5,5',6,6'-Nonafluoro-4'-hydroxybiphenyl, N-1-00045	3457-45-2	4-Acetylbenzaldehyde, A-1-00010	3996-29-0	[(4-Methylphenyl)thio]acetic acid, M-1-00113
2915-15-3	4-Chloro-2-methyl-6-phenylpyrimidine, C-1-00122	3457-55-4	1-Phenyl-1,2-butanedione, P-1-00054	3996-30-3	[(3-Methylphenyl)thio]acetic acid, M-1-00112
2923-66-2	3'-Chloro-4'-fluoroacetophenone, C-1-00096	3459-92-5	Dibenzyl carbonate, D-1-00132	4004-57-3	Cyclic UMP, C-1-00187
2942-10-1	6-Chlorobenzothiazole, C-1-00022	3464-18-4	3-Phenyl-2,5-pyrrolidinedione, P-1-00096	4023-00-1	Praxadine, P-1-00154
2944-96-9	3-(Trifluoromethyl)benzylamine; Hydrochloride, <i>in</i> T-1-00200	3480-11-3	5-Bromo-2,2'-bithiophene, B-1-00233	4023-02-3	Praxadine; Hydrochloride, <i>in</i> P-1-00154
2944-97-0	2-(Trifluoromethyl)benzylamine; Hydrochloride, <i>in</i> T-1-00199	3491-63-2	2-Phenyl-2-pentenal, P-1-00088	4030-18-6	Pyrrrolidine; <i>N</i> -Ac, <i>in</i> P-1-00184
2975-91-9	2,2-Dimethyl-1-phenyl-1-propylamine; (<i>R</i>)- <i>form</i> , <i>N</i> -Ac, <i>in</i> D-1-00463	3492-66-8	Benzenemethanesulfenothioic acid, B-1-00005	4032-81-9	Ethyl phenyl disulfide, E-1-00022
2980-33-8	2-Hydroxy-3,5-dinitropyridine, H-1-00091	3541-56-8	Vinylphosphonous dichloride, V-1-00006	4066-82-4	1-Phenyl-1,6-hexanediol, P-1-00074
2984-50-1	Heptyloxirane, H-1-00021	3574-58-1	Octahydro-4 <i>a</i> (2 <i>H</i>)-naphthalenol; (4 <i>aRS</i> ,8 <i>aRS</i>)- <i>form</i> , <i>in</i> O-1-00016	4071-16-3	2-Methyl-1 <i>H</i> -indole-3-acetonitrile, <i>in</i> M-1-00073
2999-46-4	Isocyanacetic acid; Et ester, <i>in</i> I-1-00067	3586-55-8	1,2-Bis(hydroxymethoxy)ethane, B-1-00174	4074-55-9	Pyrocatechol cyclic sulfate, <i>in</i> B-1-00015
3004-42-0	► 5-Phenyl-1,3,4-oxadiazole-2-thiol, P-1-00084	3586-98-9	Dodecylphosphonic acid; Dichloride, <i>in</i> D-1-00552	4095-22-1	2-Isopropylthiophene, I-1-00083
3019-19-0	<i>tert</i> -Butyl phenyl sulfide, B-1-00433	3597-45-3	Cortienic acid, <i>in</i> D-1-00349	4097-49-8	4- <i>tert</i> -Butyl-2,6-dinitrophenol, B-1-00420
3019-20-3	Isopropyl phenyl sulfide, I-1-00082				
3020-28-8	(Iodomethyl)triphenylphosphonium(1+); Iodide, <i>in</i> I-1-00045				
3038-48-0	2-(Trifluoromethyl)benzeneacetic acid, T-1-00190				
3040-62-8	1,1-Diethyl-2,2-diphenyldiphosphine, D-1-00225				

- 4101-30-8 2'-Amino-4',5'-dimethoxyacetophenone, *in* A-1-00121
- 4144-55-2 4-Oxododecanoic acid, O-1-00044
- 4157-20-4 4-Cyclopentene-1,2,3-triol; (1 α ,2 β ,3 α)-*form*, Tribenzoyl, *in* C-1-00217
- 4163-44-4 Galactopyranosyl fluoride; α -D-*form*, Tetra-Ac, *in* G-1-00003
- 4163-45-5 Galactopyranosyl fluoride; β -D-*form*, Tetra-Ac, *in* G-1-00003
- 4163-50-2 Xylopyranosyl fluoride; α -D-*form*, Tribenzoyl, *in* X-1-00003
- 4170-72-3 *tert*-Butyl phenyl sulfone, *in* B-1-00433
- 4197-99-3 3-Benzoyl-4H-1-benzopyran-4-one, B-1-00044
- 4266-03-9 2-Benzylpyrrolidine, *see* B-1-00076
- 4292-25-5 Trimethyloctadecylammonium(1+); Iodide, *in* T-1-00245
- 4295-36-7 2,3-Dihydro-4(1H)-quinolinone, D-1-00328
- 4370-95-0 3-Amino-2-phenylpropanoic acid, A-1-00198
- 4388-22-1 Bis(phenylsulfonyl)sulfide, B-1-00199
- 4410-75-7 Benzylcyclohexane, B-1-00063
- 4424-80-0 1,3,4,5-Tetrahydro-2H-1-benzazepin-2-one, T-1-00028
- 4425-57-4 5-Cyanouridine, *in* U-1-00007
- 4430-49-3 Centsulphone, *in* D-1-00367
- 4432-22-8 Hexahydro-1H-cyclohepta[c]furan-1,3-(3aH)-dione, *in* C-1-00192
- 4436-58-2 2-Hydroxycycloheptanone, H-1-00072
- 4469-84-5 1,7-Nonanediol, N-1-00046
- 4484-35-9 3-Cyclohexyl-2-propenoic acid, C-1-00207
- 4487-53-0 2-Amino-4,5-dinitropyridine, A-1-00131
- 4498-99-1 4-Methylbenzenemethanethiol, M-1-00026
- 4534-77-4 3-Isopropylcyclohexanol, I-1-00074
- 4536-02-1 Xylopyranosyl fluoride; α -D-*form*, *in* X-1-00003
- 4542-82-9 1-Bromo-1-methyl-2,2-diphenylcyclopropane; (*R*)-*form*, *in* B-1-00326
- 4551-07-9 Bis[2-(dimethylamino)phenyl]phenylphosphine, B-1-00151
- 4568-52-9 5-Oxo-2-pentenoic acid, O-1-00051
- 4569-82-8 2-Phenylthiazolidine, P-1-00104
- 4576-90-3 3-Isothiazolecarboxylic acid, I-1-00088
- 4590-24-3 Hexadecafluorodecanedioic acid; Di-Me ester, *in* H-1-00025
- 4613-58-5 5-Amino-5-deoxyxyllose; α -D-Furanose-*form*, 1,2-*O*-Isopropylidene, *in* A-1-00111
- 4645-16-3 3-Benzylidene-2(3H)-furanone, B-1-00069
- 4663-33-6 1,3-Diphenyl-3-propen-1-ol, D-1-00514
- 4669-75-4 1,2-Dimethyl-1,2-bis(trifluoromethyl)diphosphine, D-1-00377
- 4671-75-4 Tetradecylphosphonic acid, T-1-00019
- 4674-68-4 Methylcyanamide, M-1-00043
- 4708-00-3 Hexadecylphosphonic acid; Dichloride, *in* H-1-00027
- 4721-17-9 Hexadecylphosphonic acid, H-1-00027
- 4724-47-4 Octadecylphosphonic acid, O-1-00005
- 4730-46-5 7-Amino-1,4-dihydro-5H-1,2,3-triazolo[4,5-*d*]pyrimidin-5-one, A-1-00120
- 4736-71-4 1-Pyrrolidinecarboxamide, P-1-00185
- 4741-65-5 Coryhumolide, M-1-00067
- 4762-79-2 5,5'-Bi-(5H-benzo[*b*]phosphole), B-1-00080
- 4767-91-3 2H-Pyran[3,2-*b*]pyridine, P-1-00151
- 4805-22-5 5,5'-Dibromo-2,2'-bithiophene, D-1-00139
- 4806-81-9 2-Cyclohexylaniline, C-1-00198
- 4844-38-6 Diethyl dodecylphosphonate, *in* D-1-00552
- 4851-53-0 Tetraethyl 1,2-ethyenediylbisphosphonate, *in* E-1-00032
- 4855-62-3 Bromoxon, B-1-00405
- 4923-79-9 1-Methylazetidine, M-1-00021
- 4934-95-6 2-Oxocyclopentaneacetic acid, *see* O-1-00040
- 4938-00-5 Danosteine, C-1-00006
- 4946-14-9 4-Isopropylbenzenethiol, I-1-00073
- 4974-42-9 Cyazone, C-1-00184
- 4990-80-1 6-Chloro-6-deoxymannose; α -D-Pyranose-*form*, Me glycoside, *in* C-1-00053
- 4990-81-2 6-Chloro-6-deoxymannose; D-*form*, *in* C-1-00053
- 4990-99-2 3-Chloro-3-deoxyallose; β -D-Pyranose-*form*, Me glycoside, 4,6-*O*-benzylidene, *in* C-1-00036
- 4991-00-8 3-Chloro-3-deoxyallose; β -D-Pyranose-*form*, Me glycoside, *in* C-1-00036
- 5023-65-4 1-Methyl-4[(phenylthio)methyl]benzene, *in* M-1-00026
- 5025-16-1 1-Methyl-5-nitroanthraquinone, M-1-00087
- 5025-17-2 1-Methyl-8-nitroanthraquinone, M-1-00088
- 5037-60-5 4,7-Dimethyl-1-indanone, D-1-00427
- 5053-63-4 3-Amino-1-phenyl-1-propanol, A-1-00199
- 5059-76-7 1,3-Cyclohexanedimethanol; (1*RS*,3*SR*)-*form*, *in* C-1-00195
- 5069-26-1 2-Methyl-5-phenylthiophene, M-1-00114
- 5137-70-2 Dodecylphosphonic acid, D-1-00552
- 5191-09-3 Diethyl tetradecylphosphonate, *in* T-1-00019
- 5234-86-6 1,3,4,6,7,11b-Hexahydro-2H-pyrazino[2,1-*a*]isoquinoline, H-1-00045
- 5242-57-9 5-Isothiazolecarboxaldehyde, I-1-00087
- 5274-51-1 (2-Bromophenyl)phosphonous acid; Dichloride, *in* B-1-00378
- 5293-78-7 1,1'-(1,2-Ethyenediyl)bis[2-methoxybenzene], *in* B-1-00180
- 5294-03-1 1,2-Bis(2-methylphenyl)acetylene, B-1-00185
- 5312-86-7 8-Nonene-2,5-dione, N-1-00048
- 5325-04-2 4'-Hydroxy-3',5'-dimethylacetophenone, H-1-00084
- 5338-94-3 1-(4-Aminophenyl)ethanol; (\pm)-*form*, *N,N*-Di-Me, *in* A-1-00194
- 5369-21-1 3-Cyclohexylaniline, C-1-00199
- 5384-55-4 2'-Hydroxy-3',4'-dimethylacetophenone, H-1-00077
- 5384-57-6 4-Hydroxy-2',3'-dimethylacetophenone, H-1-00081
- 5389-27-5 3-(2,5-Dihydro-2,5-dioxo-1H-pyrrrol-2-yl)-2,2,5,5-tetramethyl-1-pyrrolidinyl-oxo, D-1-00277
- 5395-24-4 2,3-Dihydro-1H-naphtho[2,1-*b*]thiopyran, D-1-00313
- 5424-21-5 2,4-Dichloro-6-methylpyrimidine, D-1-00188
- 5467-43-6 1,3,3-Triphenyl-1-propyne, T-1-00263
- 5470-26-8 1-Ethoxycarbonylpyrrolidine, *in* P-1-00186
- 5521-56-2 2-Amino-6-methylpyrazine, A-1-00181
- 5521-58-4 2-Amino-5-methylpyrazine, A-1-00180
- 5537-85-9 1,1,1-Ethanetricarboxylic acid; Tri-Me ester, *in* E-1-00009
- 5558-08-7 Cyclopropylmethoxyphenylmethane, *in* C-1-00223
- 5558-95-2 4-Hydroxy-2-(trichloromethyl)quinazoline, H-1-00175
- 5594-16-1 2-Amino-6-methylpyrazine; *N*-Ac, *in* A-1-00181
- 5600-21-5 2-Amino-4-chloro-6-methylpyrimidine, A-1-00084
- 5631-83-4 3-Ethylpentanoic acid; Nitrile, *in* E-1-00021
- 5661-03-0 Octahydrocyclopenta[*c*]pyrrole, O-1-00013
- 5673-06-3 1,2-Acenaphthenedicarboxylic acid; (1*RS*,2*SR*)-*form*, *in* A-1-00001
- 5673-22-3 1,2-Acenaphthenedicarboxylic acid; (1*RS*,2*SR*)-*form*, Di-Me ester, *in* A-1-00001
- 5693-99-2 3-Phenyloxiranecarboxaldehyde, P-1-00086
- 5695-94-3 2,6-Piperidinedithione, P-1-00124
- 5697-44-9 *p*-Toluenesulfonylacetonitrile, *in* M-1-00113
- 5712-14-1 1,3,4,5-Tetrahydropyrrolo[4,3,2-*de*]quinoline, T-1-00056
- 5724-61-8 2-Oxabicyclo[3.2.1]octan-3-one, *in* H-1-00075
- 5748-54-9 Pentaphenyltriphosphine, P-1-00022
- 5805-57-2 2-(Aminomethyl)benzimidazole, A-1-00162
- 5809-66-5 5-Oxo-3-pentenoic acid, O-1-00052
- 5818-15-5 Propanoic acid; Hydrazide, *in* P-1-00131
- 5823-51-8 1,2,5-Thiadiazolidine; *S,S*-Dioxide, *in* T-1-00108
- 5837-93-4 2,2-Dimethylpentanoic acid; Et ester, *in* D-1-00452
- 5909-24-0 ► 4-Chloro-2-mercaptopyrimidinecarboxylic acid; *S*-Me, Et ester, *in* C-1-00115
- 5925-57-5 1-Methyl-4[(methylthio)methyl]benzene, *in* M-1-00026
- 5925-79-1 1-Methyl-2[(methylthio)methyl]benzene, *in* M-1-00024
- 5925-82-6 1-Chloro-4-[(methylthio)methyl]benzene, *in* C-1-00014
- 5929-68-0 Dibutyl dodecylphosphonate, *in* D-1-00552
- 5933-30-2 6-Methyl-2-pyridinecarbothioamide, M-1-00127
- 5953-44-6 2-Chloro-1,1,1,3,4,4,4-heptafluoro-2-butene, *see* C-1-00101
- 5954-49-4 2-Chloro-1,1,1,3,4,4,4-heptafluoro-2-butene, *see* C-1-00101
- 5983-09-5 2',3'-Dideoxyuridine, D-1-00220
- 5993-69-1 2,4-Quinazolinedithiol, Q-1-00001
- 5993-91-9 2-(Aminomethyl)benzimidazole, *see* A-1-00162
- 2-(Aminomethyl)benzimidazole; Dihydrochloride, *in* A-1-00162
- 6004-53-1 1-Cyclohexyl-2-hydroxyethanone, C-1-00202
- 6007-26-7 2-Methyl-1,3-dithiane, M-1-00062
- 6023-46-7 1,1,1-Tricyano-2-phenylethane, *in* P-1-00069
- 6048-09-5 3-Cyclohexyl-2-propenoic acid, *see* C-1-00207
- 6052-84-2 4,4'-Dihydroxybibenzyl, D-1-00340
- 6054-98-4 Olsalazine sodium, *in* O-1-00030
- 6070-46-8 1,2-Cycloheptanedicarboxylic acid; (1*RS*,2*RS*)-*form*, *in* C-1-00192
- 6087-13-4 2-Fluoropropanoic acid, F-1-00054
- 6090-95-5 1,2-Anhydro-DL-*myo*-inositol, *in* E-1-00006
- 6126-64-3 7-Hydroxy-4-benzofurancarboxaldehyde, H-1-00063
- 6127-19-1 6-Bromo-2-methyl-1H-indole, B-1-00341
- 6140-17-6 1-Methyl-4-(trifluoromethyl)benzene, M-1-00135
- 6153-05-5 3-Methyl-2-penten-4-yn-1-ol; (*E*)-*form*, *in* M-1-00100
- 6153-06-6 3-Methyl-2-penten-4-yn-1-ol; (*Z*)-*form*, *in* M-1-00100
- 6165-66-8 1,5-Diphenyl-3-formazancarboxylic acid; Et ester, *in* D-1-00499
- 6177-94-2 2,3,4,5-Tetraphenyl-2-cyclopenten-1-one; (3*RS*,4*RS*)-*form*, *in* T-1-00099
- 6226-01-3 Dimethylphosphinylacetic acid, D-1-00466
- 6249-25-8 4-Hydroxy-1,3-benzodioxol-2-one, H-1-00055

6255-58-9	Pyrocatechol cyclic sulfite, <i>in</i> B-1-00015	7014-08-6	1,5-Diphenyl-3-formazancarbonitrile, <i>in</i> D-1-00499	7700-00-7	5-Amino-5-deoxylyxose; α -D-Pyranose- <i>form</i> , 1,2,3,4,5 <i>N</i> -Penta-Ac, <i>in</i> A-1-00105
6258-06-6	1-Amino-4-bromoanthraquinone-2-sulfonic acid, <i>see</i> A-1-00067	7025-06-1	2-Bromodiphenyl ether, B-1-00285	7713-60-2	2-Methyl-4-phenyl-5(2 <i>H</i>)-isoxazolone, <i>in</i> H-1-00170
6258-66-8	4-Chlorobenzenemethanethiol, C-1-00014	7035-04-3	Pyridarone, B-1-00017	7730-20-3	6-Fluorotryptophan; (\pm)- <i>form</i> , <i>in</i> F-1-00061
6262-87-9	2-Isopropylbenzenethiol, I-1-00072	7036-04-6	4-Thiazolemethanol, T-1-00112	7735-43-5	1,20-Eicosanediol, E-1-00002
6266-35-9	2-Chloro-1-propylamine; (\pm)- <i>form</i> , Hydrochloride, <i>in</i> C-1-00158	7040-42-8	3- <i>tert</i> -Butylfuran, B-1-00423	7749-02-2	2,2-Dibromo-1-indanone, D-1-00149
6294-39-9	1-Bromo-2-methylcyclohexane, B-1-00323	7040-43-9	2- <i>tert</i> -Butylfuran, B-1-00422	7755-92-2	1-Piperazinecarboxaldehyde, P-1-00121
6294-40-2	1-Bromo-4-methylcyclohexane, B-1-00325	7073-93-0	1-Chloro-3-isopropylbenzene, C-1-00114	7757-21-3	2-(Aminomethyl)benzimidazole; Monohydrochloride, <i>in</i> A-1-00162
6307-35-3	2-Amino-5-bromo-4-hydroxy-6-methylpyrimidine, A-1-00070	7087-77-6	2-Methyl-1-phenyl-1,3-propanediol; (1 <i>RS</i> ,2 <i>RS</i>)- <i>form</i> , <i>in</i> M-1-00109	7761-30-0	3-(4-Fluorophenyl)-2-oxopropanoic acid, F-1-00053
6309-00-8	2,6-Diamino-4-chloropyridine, D-1-00090	7182-21-0	5-Hydroxy-3-methylbenzofuran, H-1-00110	7788-14-9	3-Amino-5-phenyl-1,2,4-oxadiazole, A-1-00196
6310-09-4	2-Acetyl-5-chlorothiophene, A-1-00026	7182-43-6	4-(4-Hydroxyphenyl)-4-oxobutanenitrile, <i>in</i> H-1-00171	7796-75-0	1-Nitro-2-phenylpropane, N-1-00030
6325-91-3	2-Mercapto-5-nitrobenzimidazole, M-1-00011	7206-62-4	1-(Phenylazo)azulene, P-1-00045	10008-69-2	3,3,4,4-Tetramethyl-2-oxetanone, T-1-00087
6373-50-8	4-Cyclohexylaniline, C-1-00200	7209-11-2	2-Acetyl-4-bromothiophene, A-1-00019	10029-01-3	[2.2]Paracyclophane-4-carboxylic acid, <i>see</i> P-1-00003
6386-22-7	2,3-Diamino-2,3-dideoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, 2 <i>N</i> ,3 <i>N</i> ,4,6-tetra-Ac, <i>in</i> D-1-00099	7225-71-0	1-Undecylnaphthalene, U-1-00004	10038-09-2	Benzyl dichloromethyl sulfone, <i>in</i> B-1-00064
6401-03-2	1,1,2,2,3,3,4,4,4-Nonafluoro-1-butanefulfonic acid; Me ester, <i>in</i> N-1-00043	7250-67-1	▶ Pyrrolidine; <i>N</i> -(2-Chloroethyl), <i>in</i> P-1-00184	10065-29-9	Triiodoethene, T-1-00234
6425-24-7	1-(Dibromomethyl)-4-fluorobenzene, D-1-00153	7263-76-5	9,10-Dihydroindeno[1,2- <i>a</i>]indene, D-1-00294	10075-48-6	5-Bromo-3-methyl-1 <i>H</i> -indole, B-1-00339
6453-60-7	Cyclic TMP, C-1-00186	7268-43-1	5-Oxo-3-pyrrolidinecarboxylic acid, O-1-00054	10122-96-0	4-Nitro[2.2]paracyclophane, N-1-00028
6485-45-6	2,6-Dimethylmorpholine; (2 <i>RS</i> ,6 <i>RS</i>)- <i>form</i> , <i>in</i> D-1-00447	7268-65-7	1,19-Nonadecanediol, N-1-00041	10125-76-5	4-Nitrosobiphenyl, N-1-00038
6485-55-8	2,6-Dimethylmorpholine; (2 <i>RS</i> ,6 <i>SR</i>)- <i>form</i> , <i>in</i> D-1-00447	7300-28-9	3-(2-Propenyl)pyridine, P-1-00138	10181-82-5	[2.2]Paracyclophane-1-carboxylic acid, P-1-00002
6526-76-7	1-Bromo-1-methyl-2,2-diphenylcyclopropane; (<i>S</i>)- <i>form</i> , <i>in</i> B-1-00326	7313-70-4	2,3-Dihydro-2,3-dioxo-1 <i>H</i> -indole-5-sulfonic acid, D-1-00274	10186-63-7	2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; (\pm)- <i>form</i> , Me ether, Me ester, <i>in</i> T-1-00027
6569-26-2	2,3-Dihydro-1 <i>H</i> -imidazole, D-1-00288	7317-52-4	2,3,4,5-Tetraphenyl-2-cyclopenten-1-one, T-1-00099	10186-64-8	2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; (\pm)- <i>form</i> , Me ether, <i>in</i> T-1-00027
6621-22-3	Bicyclo[3.1.1]heptan-6-ol; (1 <i>RS</i> ,6 <i>SR</i>)- <i>form</i> , <i>in</i> B-1-00087	7323-94-6	11,17-Dihydroxy-3-oxo-4-androstene-17-carboxylic acid, <i>see</i> D-1-00349	10186-65-9	2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; (\pm)- <i>form</i> , Me ether, amide, <i>in</i> T-1-00027
6628-61-1	2-(2-Aminoethyl)pyridine; Dipicrate, <i>in</i> A-1-00136	7326-63-8	2-(Ethylthio)-1,3-butadiene, E-1-00029	10186-66-0	2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; (\pm)- <i>form</i> , Et ether, Et ester, <i>in</i> T-1-00027
6640-47-7	2,3-Diaminoquinoxaline, D-1-00107	7335-06-0	Pyrrolidine; <i>N</i> -Et, <i>in</i> P-1-00184	10186-67-1	2-Ethoxy-2,3,3,3-tetrafluoropropanoic acid, <i>in</i> T-1-00027
6645-70-1	3,4-Diiodopyrazole, D-1-00359	7335-07-1	Pyrrolidine; <i>N</i> -Propyl, <i>in</i> P-1-00184	10186-68-2	2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid; (\pm)- <i>form</i> , Et ether, amide, <i>in</i> T-1-00027
6682-69-5	5,7-Dimethyl-1-indanone, D-1-00429	7341-24-4	2-Methylbenzenemethanethiol, M-1-00024	10189-46-5	Pyrido[2,3- <i>b</i>][1,5]benzoxazepin-5(6 <i>H</i>)-one, P-1-00170
6683-74-5	2-Bromo-1,4-di- <i>tert</i> -butylbenzene, B-1-00276	7348-72-3	2-Pentenyltriphenylphosphonium(1+); (<i>E</i>)- <i>form</i> , Bromide, <i>in</i> P-1-00024	10212-20-1	2'-Deoxy-2'-fluorocytidine, D-1-00019
6703-98-6	Hectane, H-1-00001	7348-79-0	2-Pentenyltriphenylphosphonium(1+); (<i>Z</i>)- <i>form</i> , Bromide, <i>in</i> P-1-00024	10225-89-5	1-Bromo-1-deoxyfructose; β -D-Pyranose- <i>form</i> , 2,3,4,5-Di- <i>O</i> -isopropylidene, <i>in</i> B-1-00252
6704-31-0	3-Oxetanone, O-1-00034	7361-89-9	Dipropyl diselenide, D-1-00527	10226-88-7	Methyl 2-deoxy-2-iodo- α -D-mannopyranoside, <i>in</i> D-1-00060
6712-97-6	2-Benzyl-1,3-diphenyl-2-propanol, B-1-00066	7380-78-1	1-Methoxy-4-(phenylethynyl)benzene, <i>in</i> P-1-00072	10256-43-6	Cholamine, <i>see</i> C-1-00174
6729-50-6	2,3,4,5-Tetrahydro-1 <i>H</i> -2-benzazepin-1-one, T-1-00029	7390-55-8	Cyclic UMP; 2'-Ac, <i>in</i> C-1-00187	10269-96-2	6-Nitrohexanoic acid, N-1-00018
6742-29-6	1-Oxo-2-indanecarboxylic acid, O-1-00046	7396-41-0	2-Thioxo-1,3-dithiole-4,5-dicarboxylic acid; Di-Me ester, <i>in</i> T-1-00136	10271-85-9	5-Isothiazolecarboxylic acid, I-1-00090
6749-63-9	3-Methylenecyclohexanol, M-1-00064	7418-61-3	<i>N,N,N</i> -Trimethyl-2-oxoethanaminium(1+), T-1-00246	10271-90-6	4-Isothiazolecarboxylic acid; Chloride, <i>in</i> I-1-00089
6769-56-8	5-Hydroxy-2-methylbenzofuran, H-1-00109	7464-89-3	1,6-Dihydro-1,3,6,8-tetramethylpyrimido[4,5- <i>g</i>]pteridine-2,4,7,9(3 <i>H</i> ,8 <i>H</i>)-tetrone, <i>in</i> P-1-00179	10273-81-1	9,10-Bis(triphenylphosphinomethyl)anthracene(2+); Dichloride, <i>in</i> B-1-00215
6781-96-0	(2,4,6-Trimethylphenyl)phosphonous dichloride, T-1-00247	7486-93-3	3,3-Dimethyl-4-phenyl-2-azetidinone, D-1-00454	10284-52-3	2,3-Dihydro-1 <i>H</i> -imidazole; 1,3-Di-Ac, <i>in</i> D-1-00288
6814-80-8	3 <i>a</i> ,4,7,7 <i>a</i> -Tetrahydro-4,7-methano-1 <i>H</i> -inden-1-ol, T-1-00040	7523-44-6	4-Chloro-2-buten-1-ol, C-1-00028	10296-47-6	3-Chloro-5-nitroisquinoline, C-1-00129
6858-59-9	Cyclo(histidylhistidyl), C-1-00208	7530-92-9	Octanethioic acid, O-1-00023	10308-06-2	2-Amino-6-bromohexanoic acid; (\pm)- <i>form</i> , Hydrobromide, <i>in</i> A-1-00069
6873-66-1	(4-Ethylphenyl)phosphonic acid, E-1-00023	7560-64-7	4-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00050	10315-38-5	1 <i>H</i> -1-Benzazepine-2,5-dione, B-1-00003
6876-00-2	3-Bromodiphenyl ether, B-1-00286	7570-92-5	Cyclohexyl phenyl sulfide, C-1-00205	10339-55-6	3,7-Dimethyl-1,6-nonadien-3-ol, D-1-00451
6924-99-8	2,3-Quinoxalinedicarboxylic acid, Q-1-00004	7571-04-2	3,4-Dihydro-2 <i>H</i> -naphtho[1,2- <i>b</i>]thiopyran, D-1-00314	10359-20-3	1,1,1-Ethanetricarbonitrile, E-1-00008
6929-81-3	10-Bromo-9-anthracenecarboxylic acid, B-1-00224	7604-30-0	2-Bromo-4-fluoroacetophenone; 2,4-Dinitrophenylhydrazone, <i>in</i> B-1-00294		
6933-09-1	3-Methoxy-2-methyl-9 <i>H</i> -carbazole, <i>in</i> H-1-00117	7613-15-2	4-Vinylpiperidine, V-1-00007		
6947-57-5	Cyclohexyl phenyl sulfone, <i>in</i> C-1-00205	7684-18-6	1-Amino-2-methyl-2-propanethiol, A-1-00178		
6948-34-1	2,3-Dihydro-6-methyl-4 <i>H</i> -1-benzothiopyran-4-one, D-1-00301	7687-55-0	5-Amino-5-deoxylyxose; α -D-Pyranose- <i>form</i> , <i>N</i> -Ac, <i>in</i> A-1-00105		
6954-45-6	2-Chlorodiphenylmethanol, C-1-00089	7687-67-4	5-Amino-5-deoxyarabinose; β -D-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 3-mesyl, <i>N</i> -Ac, <i>in</i> A-1-00101		
6954-91-2	11 <i>H</i> -Indeno[1,2- <i>b</i>]quinoxalin-11-one, I-1-00012	7687-68-5	5-Amino-5-deoxyarabinose; β -D-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 3-mesyl, <i>N</i> -benzoyl, <i>in</i> A-1-00101		
6965-50-0	11 <i>H</i> -Indeno[1,2- <i>b</i>]quinoxalin-11-one; 5-Oxide, <i>in</i> I-1-00012				

10369-21-8	Xylopyranosyl fluoride; β -D- <i>form</i> , Tri-Ac, in X-1-00003	13329-78-7	2,4-Decanedione, D-1-00009	14125-73-6	2-Deoxy-2-iodoaltrose; α -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, in D-1-00046
10386-43-3	3-Hydroxy-4-phenanthrenecarboxaldehyde, H-1-00162	13343-79-8	1,4-Diphenyl-1-buten-3-yne; (<i>Z</i>)- <i>form</i> , in D-1-00495	14131-74-9	5-Amino-5-deoxyribose; β -D-Furanose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, in A-1-00109
10394-95-3	3-(Dicyanomethylene)pentene, in E-1-00025	13369-82-9	4,5-Diiodo-1,2-dimethyl-1 <i>H</i> -imidazole, in D-1-00358	14133-35-8	3-Amino-3-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, hydrochloride, in A-1-00106
10439-29-9	1-Bromo-1-methyl-2,2-diphenylcyclopropane; (\pm)- <i>form</i> , in B-1-00326	13388-06-2	6 <i>H</i> -Pyrido[2,1- <i>a</i>]isoindolium(1+), P-1-00176	14173-25-2	Methyl phenyl disulfide, M-1-00105
10457-83-7	2-Fluoroundecanoic acid, F-1-00062	13391-27-0	5-Methoxy-2-methylbenzofuran, in H-1-00109	14173-89-8	1-Aminobicyclo[2.2.1]hept-2-ene; (<i>1R,7SR</i>)- <i>form</i> , in A-1-00063
10468-32-3	3-Cyclohexene-1-acetic acid, C-1-00197	13391-66-7	5-Amino-5-deoxyxylose; D- <i>form</i> , N-Ac, benzylphenylhydrazone, in A-1-00105	14173-90-1	1-Aminobicyclo[2.2.1]hept-2-ene; (<i>1R,7RS</i>)- <i>form</i> , in A-1-00063
10486-88-1	Cortienic acid; Me ester, in D-1-00349	13395-05-6	6-Nitrohexanoic acid, see N-1-00018	14186-18-6	2,6,6-Trimethyl-1-cyclohexene-1-carboxaldehyde; 2,4-Dinitrophenylhydrazone, in T-1-00239
10489-28-8	2,2-Dimethyl-1-indanone, D-1-00415	13401-81-5	1-Vinyl-1 <i>H</i> -pyrrole, V-1-00008	14188-79-5	2-Decylnaphthalene, D-1-00013
10496-15-8	Dihexyl disulfide, D-1-00255	13428-12-1	5-Amino-5-deoxyarabinose; L-Pyranose- <i>form</i> , N-Ac, in A-1-00101	14193-51-2	Methyl 3-amino-3-deoxy- α -D-mannopyranoside, in A-1-00106
10496-16-9	Diheptyl disulfide, D-1-00253	13505-39-0	3-Hydroxy-1-phenyl-1-butanone, H-1-00167	14196-89-5	3-Amino-3-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, N-Ac, in A-1-00106
10517-50-7	1-(2-Aminophenyl)ethanol, A-1-00192	13526-50-6	Hexahydro-4 <i>a,4b</i> -dimethylcyclobuta[1,2- <i>d:4,3-d'</i>]dipyrimidine-2,4,5,7(3 <i>H,6H</i>)-tetrone, see H-1-00037	14209-33-7	Spermic acid, S-1-00003
10540-44-0	4'-Fluoro-3-methylbiphenyl, F-1-00041	13540-50-6	2,5-Dimethyldiphenylmethane, D-1-00395	14218-13-4	Fructopyranosyl bromide; β -D- <i>form</i> , Tetra-Ac, in F-1-00069
10541-71-6	1,4-Dichloro-2-(trichloromethyl)benzene, D-1-00200	13540-56-2	3,4-Dimethyldiphenylmethane, D-1-00397	14262-86-3	Fructopyranosyl chloride; β -D- <i>form</i> , Tetra-Ac, in F-1-00070
10545-62-7	Ethyl ethylvinylphosphinate, in E-1-00031	13627-49-1	2-Methyl-4-pyrimidinecarboxylic acid, M-1-00128	14273-09-7	1-Ethoxy-1-octyne, E-1-00012
10570-48-6	Dimethyl (4-methoxybenzoyl)phosphonate, in M-1-00013	13636-53-8	(3,4-Dimethylphenyl)hydrazine, D-1-00461	14300-29-9	4-Methyl-2-phenylthiophene, M-1-00116
10577-47-6	7,8-Dihydro-7-hydroxy-6(5 <i>H</i>)-pteridinone, in P-1-00149	13669-00-6	1,4-Di-2-thienyl-2-butene-1,4-dione; (<i>E</i>)- <i>form</i> , in D-1-00534	14300-30-2	3-Methyl-2-phenylthiophene, M-1-00115
13008-11-2	2,3,5-Trimethyl-7 <i>H</i> -furo[3,2- <i>g</i>][1]benzopyran-7-one, T-1-00242	13685-28-4	Bis(4-bromophenyl)chlorophosphine, in B-1-00136	14312-89-1	Tridecafluoroheptanoic acid; Me ester, in T-1-00178
13014-18-1	2,4-Dichloro-1-(trichloromethyl)benzene, D-1-00201	13685-29-5	Bis(3-bromophenyl)chlorophosphine, in B-1-00135	14331-27-2	<i>N</i> -Acetyl- <i>N'</i> -benzoylhydrazine, A-1-00011
13014-24-9	1,2-Dichloro-4-(trichloromethyl)benzene, D-1-00197	13685-30-8	Bis(4-methoxyphenyl)phosphinous chloride, B-1-00184	14346-75-9	2,6-Bis(dibromomethyl)benzoic acid, B-1-00141
13019-85-7	Psicofuranosyl chloride; D- <i>form</i> , Tetrabenzoyl, in P-1-00147	13685-48-8	Ethyl bis(3-bromophenyl)phosphinite, in B-1-00135	14352-56-8	3-Chloro-2-pentanone; (\pm)- <i>form</i> , Oxime, in C-1-00141
13022-98-5	1,3-Cyclohexanedimethanol; (<i>1R,3RS</i>)- <i>form</i> , in C-1-00195	13735-17-6	2,3-Dihydro-5-methyl-4 <i>H</i> -1-benzothiofuran-4-one, D-1-00300	14365-32-3	2-Fluorocyclohexanol; (<i>1R,2RS</i>)- <i>form</i> , in F-1-00014
13051-98-4	2-Bromo-2-deoxyxylose; β -D-Furanose- <i>form</i> , Me glycoside, 5-Ac, in B-1-00270	13735-18-7	2,3-Dihydro-7-methyl-4 <i>H</i> -1-benzothiofuran-4-one, D-1-00302	14366-91-7	2-Methyl-1-phenyl-1,3-propanediol; (<i>1R,2SR</i>)- <i>form</i> , in M-1-00109
13051-99-5	3-Bromo-3-deoxyarabinose; β -D-Furanose- <i>form</i> , Me glycoside, 5-Ac, in B-1-00251	13792-91-1	Ethyl bis(4-bromophenyl)phosphinite, in B-1-00136	14384-30-6	2,6-Dimethyl-1,4-cyclohexanedione, D-1-00385
13052-00-1	3-Bromo-3-deoxyarabinose; α -D-Furanose- <i>form</i> , Me glycoside, 5-Ac, in B-1-00251	13822-06-5	3-Methyl-2-buten-1-amine, M-1-00040	14389-13-0	5-Propyl-1 <i>H</i> -tetrazole, P-1-00145
13078-79-0	2-(3-Chlorophenyl)ethylamine, C-1-00150	13866-57-4	4-Hydroxy-3-methyl-2-butenic acid; (<i>E</i>)- <i>form</i> , Me ester, in H-1-00115	14394-56-0	4-Amino-6-chloro-5-methylpyrimidine, A-1-00088
13078-80-3	2-(2-Chlorophenyl)ethylamine, C-1-00149	13866-80-3	Bicyclo[2.2.1]heptane-1-methanol; 4-Methylbenzenesulfonyl, in B-1-00084	14470-90-7	Pyrido[2,3- <i>b</i>][1,4]benzoxepin-6(5 <i>H</i>)-one, P-1-00171
13092-86-9	2,3-Piperazinedione, P-1-00122	13901-74-1	2,5-Diphenyl-1 <i>H</i> -pyrrole-3-carboxylic acid; Me ester, in D-1-00517	14542-12-2	2-Thiazolemethanol, T-1-00111
13103-40-7	Tetrahydro-2 <i>H</i> -pyran-2-acetic acid, T-1-00051	13905-48-1	1-Bromo-3-methylcyclohexane, B-1-00324	14552-00-2	Pyrrolidine; <i>N</i> -(2,4-Dinitrophenyl), in P-1-00184
13109-11-0	4-Chloro-3-phenylcinoline, C-1-00146	13906-62-2	2-(2-Cyanophenyl)oxirane, in O-1-00036	14585-26-3	2-Amino-3,5-dinitropyridine; <i>N,N</i> -Di-Me, in A-1-00130
13118-97-3	(4-Chlorophenyl)phenylphosphinic acid, C-1-00154	13913-77-4	Benz[<i>j</i>]aceanthrylene-1,2-dione, B-1-00013	14655-87-9	1,2-Bis(pentafluorophenyl)-1,2-diphenyldiphosphine, B-1-00190
13131-74-3	1- <i>tert</i> -Butyl-4-chlorocyclohexane; (<i>1R,4SR</i>)- <i>form</i> , in B-1-00415	13987-64-9	3,3'-Oxybis[2,2-dimethylpropanoic acid], O-1-00059	14679-59-5	5-Amino-5-deoxyidose; β -L-Pyranose- <i>form</i> , 1,6-Anhydro, N-Ac, in A-1-00103
13145-48-7	1- <i>tert</i> -Butyl-4-chlorocyclohexane; (<i>1R,4RS</i>)- <i>form</i> , in B-1-00415	13993-65-2	Metiazinic acid, in P-1-00036	14685-99-5	5-Amino-5-deoxyidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, in A-1-00103
13146-36-6	2,2-Dimethylpentanoic acid; Amide, in D-1-00452	14044-71-4	3-(Methylthio)-1,2-butadiene, M-1-00134	14718-40-2	6-Hydroxy-4-oxo-4 <i>H</i> -1-benzopyran-2-carboxylic acid, H-1-00158
13149-79-6	2-(Hydroxymethoxy)ethanol, H-1-00103	14088-58-5	3-Diazo-2-butanone, D-1-00116	14722-40-8	1,15-Pentadecanediol, P-1-00011
13154-40-0	6-Nitrohexanoic acid; Me ester, in N-1-00018	14110-50-0	2,3-Dihydro-3-methyl-4 <i>H</i> -1-benzothiofuran-4-one; (\pm)- <i>form</i> , Oxime, in D-1-00299	14738-26-2	[(3-Methylphenyl)thio]acetic acid; Et ester, in M-1-00112
13160-91-3	6 <i>H</i> -Pyrido[2,1- <i>a</i>]isoindolium(1+); Bromide, in P-1-00176	14112-50-6	2,2-Dichloro-2-(dianilinophosphinyl)acetanilide, in D-1-00193	14738-27-3	[(4-Methylphenyl)thio]acetic acid; Et ester, in M-1-00113
13165-98-5	2-Amino-4-hydroxy-6-methylpteridine, see A-1-00147	14112-51-7	Dichlorophosphonoacetic acid, D-1-00193	14743-57-8	1,1-Cyclopropanediol; Di-Ac, in C-1-00220
13169-42-1	1,1,3,3-Tetrachloro-1,3-dihydrobenzo[<i>c</i>]thiophene, T-1-00009	14122-25-9	Hexahydro-4 <i>a,4b</i> -dimethylcyclobuta[1,2- <i>d:4,3-d'</i>]dipyrimidine-2,4,5,7(3 <i>H,6H</i>)-tetrone, H-1-00037	14745-84-7	2-(Dimethylaminomethyl)pyrrole, in A-1-00182
13176-24-4	Didodecylphosphine, D-1-00222			14753-25-4	2-Chloro-1-propylamine, C-1-00158
13209-35-3	4-Nitro-1,2-benzenedicarboxaldehyde, N-1-00011			14759-47-8	1-Indolizinecarboxylic acid; Amide, in I-1-00015
13280-00-7	3-Chloro-2-pentanone, C-1-00141			14762-47-1	Benzoyldiazoacetaldehyde, B-1-00049

14762-48-2	Ethyl diazomalonaldehyde, <i>in</i> D-1-00119	16071-25-3	2-Chlorodiphenylmethanol, <i>see</i> C-1-00089	16798-95-1	(<i>m</i> -Tolylthio)acetonitrile, <i>in</i> M-1-00112
14795-18-7	Idopyranosyl bromide; α -L- <i>form</i> , Tetra-Ac, <i>in</i> I-1-00002	16071-26-4	2-Chlorodiphenylmethanol, <i>see</i> C-1-00089	16808-50-7	2,3-Dihydro-2-methyl-4 <i>H</i> -1-benzothiopyran-4-one; (\pm)- <i>form</i> , S,S-Dioxide, <i>in</i> D-1-00298
14796-70-4	3-Chlorocyclohexene, <i>see</i> C-1-00032	16081-92-8	2,4-Quinazolinedithiol; Di-NH- <i>form</i> , 3 <i>N</i> -Me, <i>in</i> Q-1-00001	16839-07-9	(4- <i>tert</i> -Butylphenyl)phosphonic acid, B-1-00432
14892-14-9	(Pentafluorocyclohexyl)acetic acid, P-1-00014	16103-56-3	4-Bromo-1-pentanol, B-1-00369	16934-12-6	3-Methyl-4-phenyl-2-azetidinone; (3 <i>RS</i> ,4 <i>RS</i>)- <i>form</i> , <i>in</i> M-1-00101
14938-35-3	4-Pentylphenol, P-1-00029	16108-50-2	2'-Hydroxy-4',6'-dimethylacetophenone, H-1-00080	16934-13-7	3-Methyl-4-phenyl-2-azetidinone; (3 <i>RS</i> ,4 <i>SR</i>)- <i>form</i> , <i>in</i> M-1-00101
14944-00-4	3,4-Dihydro-1,4-benzothiazepin-5(2 <i>H</i>)-one, D-1-00260	16136-64-4	Gulofuranosyl chloride; β -D- <i>form</i> , 2,3:5,6-Di-O-isopropylidene, <i>in</i> G-1-00009	16944-59-5	Cyclo(histidylhistidyl); (3 <i>S</i> ,6 <i>S</i>)- <i>form</i> , <i>in</i> C-1-00208
14946-36-2	3,4-Dihydro-1,4-benzothiazepin-5(2 <i>H</i>)-one; <i>N</i> -Me, <i>in</i> D-1-00260	16165-51-8	Diphenyl tetradecylphosphonate, <i>in</i> T-1-00019	16959-62-9	2-Indolizinecarboxylic acid; Me ester, <i>in</i> I-1-00016
14953-96-9	3,4-Dihydro-1,4-benzothiazepin-5(2 <i>H</i>)-one; S,S-Dioxide, <i>in</i> D-1-00260	16200-84-3	[1,1'-Bicyclohexyl]-4,4'-dicarboxylic acid; (1 <i>RS</i> ,1' <i>RS</i> ,4 <i>RS</i> ,4' <i>RS</i>)- <i>form</i> , Di-Me ester, <i>in</i> B-1-00091	16980-85-1	1-Pentacosene, P-1-00008
15042-67-8	2-Oxo-5-oxazolidinecarbonitrile, <i>in</i> O-1-00048	16200-85-4	[1,1'-Bicyclohexyl]-4,4'-dicarboxylic acid; (1 <i>RS</i> ,1' <i>RS</i> ,4 <i>RS</i> ,4' <i>RS</i>)- <i>form</i> , <i>in</i> B-1-00091	17008-22-9	Methyl cyanodithioformate, <i>in</i> C-1-00181
15042-69-0	2-Oxo-5-oxazolidinecarboxylic acid; (\pm)- <i>form</i> , Me ester, <i>in</i> O-1-00048	16244-15-8	1,4-Dihydrocyclopent[b]indol-3(2 <i>H</i>)-one, D-1-00265	17014-18-5	2,3,4,6-Tetraamino-2,3,4,6-tetra-deoxyidose; α -D-Pyranose- <i>form</i> , Me glycoside, 2 <i>N</i> ,3 <i>N</i> ,4 <i>N</i> ,6 <i>N</i> -tetra-Ac, <i>in</i> T-1-00001
15065-80-2	5-Amino-5-deoxyidose; β -L-Pyranose- <i>form</i> , 1,6-Anhydro, <i>in</i> A-1-00103	16244-16-9	1,4-Dihydro-4-methylcyclopent[b]indol-3(2 <i>H</i>)-one, <i>in</i> D-1-00265	17026-49-2	5-Chloro-2-hydroxy-1,3-benzenedimethanol, C-1-00104
15072-72-7	5-Amino-5-deoxyidose; β -L-Pyranose- <i>form</i> , 1,6-Anhydro, 2,3,4,5 <i>N</i> -tetra-Ac, <i>in</i> A-1-00103	16278-20-9	10-Hydroxy-9-phenanthrenecarboxaldehyde, H-1-00165	17042-21-6	2-Chloro-3-pentanone, C-1-00140
15080-06-5	Fructopyranosyl chloride; β -D- <i>form</i> , 1,4,5-Tribenzoyl, 3-mesyl, <i>in</i> F-1-00070	16281-21-3	3-Methyl-1-isoquinolinecarboxylic acid; Nitrile, 2-oxide, <i>in</i> M-1-00080	17057-80-6	5-Methylaceneaphthene, M-1-00019
15144-65-7	1,1-Cyclopropanediol, C-1-00220	16336-27-9	6-Chloro-2 <i>H</i> -1-benzopyran, C-1-00016	17073-62-0	5-Deoxy-5-iodoarabinose; L- <i>form</i> , Ethylene dithioacetal, 2,3,4-tri-Ac, <i>in</i> D-1-00051
15147-69-0	6-Azaisocytidine, <i>in</i> A-1-00220	16401-80-2	▶ Delmetacin, <i>in</i> M-1-00073	17081-03-7	Altropyranosyl chloride; α -D- <i>form</i> , Tetra-Ac, <i>in</i> A-1-00049
15398-68-2	4,4'-Diisothiocyantodiphenyl sulfide, D-1-00367	16440-97-4	5,6-Dimethyl-1-indanone, D-1-00428	17101-71-2	1-Bromo-2-(phenylthio)ethene; (<i>Z</i>)- <i>form</i> , <i>in</i> B-1-00383
15446-31-8	Bis(triphenylmethyl) disulfide, <i>in</i> T-1-00261	16440-98-5	6,7-Dimethyl-1-indanone, D-1-00430	17101-82-5	1-Bromo-2-(phenylthio)ethene; (<i>E</i>)- <i>form</i> , <i>in</i> B-1-00383
15461-40-2	Trimethyloctadecylammonium(1+), T-1-00245	16452-25-8	2-Methyl-1,3-dithiane, <i>see</i> M-1-00062	17104-31-3	10-Hydroxy-10-methyl-9(10 <i>H</i>)-anthracenone, H-1-00104
15581-80-3	▶ 2,2'-Dithiobis[2-methylpropanal], D-1-00537	16452-84-9	Hexahydro-4 <i>a</i> ,4 <i>b</i> -dimethylcyclobuta[1,2- <i>d</i> :4,3- <i>d'</i>]dipyrimidine-2,4,5,7(3 <i>H</i> ,6 <i>H</i>)-tetrone; (4 <i>aa</i> ,4 <i>bb</i> ,8 <i>a</i> β ,8 <i>ba</i>)- <i>form</i> , <i>in</i> H-1-00037	17132-92-2	2,3-Dicyanoquinoxaline, <i>in</i> Q-1-00004
15641-49-3	5-Iodotryptophan; (\pm)- <i>form</i> , <i>in</i> I-1-00066	16515-84-7	2-Phenyl-1,1,1-ethanetricarboxylic acid; Tri-Et ester, <i>in</i> P-1-00069	17147-69-2	5-Hydroxy-4-phenylisoxazole, H-1-00170
15676-74-1	3-Dimethylaminocyclohexanone, <i>in</i> A-1-00091	16515-90-5	1,1,1-Ethanetricarboxylic acid; Tri-Et ester, <i>in</i> E-1-00009	17147-77-2	5-Hydroxy-4-phenylisoxazole; <i>NH</i> - <i>form</i> , <i>N</i> -Benzoyl, <i>in</i> H-1-00170
15718-95-3	2,3,4,5-Tetraphenyl-2-cyclopenten-1-one; (3 <i>RS</i> ,4 <i>SR</i>)- <i>form</i> , <i>in</i> T-1-00099	16574-56-4	4-Fluoro-4'-phenoxybenzophenone, <i>in</i> F-1-00023	17165-16-1	Tris(aminomethyl)phosphine; Oxide, <i>in</i> T-1-00267
15721-22-9	2,2-Dimethylpentanoic acid; Chloride, <i>in</i> D-1-00452	16596-41-1	1-Aminopyrrolidine, <i>in</i> P-1-00184	17166-63-1	Dimethyl 2,2'-(phenylphosphinidene) bisacetate, <i>in</i> P-1-00092
15722-48-2	Olsalazine, O-1-00030	16600-22-9	7-Chloro-4-hydroxy-3-quinolinecarboxylic acid; Et ester, <i>in</i> C-1-00110	17190-77-1	2,2-Dimethyl-1,3-indanediol, D-1-00414
15773-73-6	9 <i>H</i> -Carbazole-3,6-diol, C-1-00005	16601-17-5	Benzyl phenyl disulfide, B-1-00070	17194-87-5	1,4-Bis(1-bromoethyl)benzene, B-1-00122
15773-75-8	9 <i>H</i> -Carbazole-3,6-diol; Di-Ac, <i>in</i> C-1-00005	16624-40-1	2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid, <i>see</i> A-1-00154	17229-74-2	2,4-Diphenyl-5(2 <i>H</i>)-isoxazolone, <i>in</i> H-1-00170
15848-22-3	5-Bromo-1-pentanol; Ac, <i>in</i> B-1-00371	16626-02-1	5-Fluorotryptophan, <i>see</i> F-1-00060	17334-08-6	2-(Hydroxymethyl)-1-methylglyoxaline, <i>in</i> I-1-00004
15890-00-3	3-Oxoheptanedioic acid; Di-Me ester, <i>in</i> O-1-00045	16642-87-8	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid; (<i>Z</i>)- <i>form</i> , <i>in</i> T-1-00209	17343-88-3	3-Cyclohexyl-2-propenoic acid; (<i>E</i>)- <i>form</i> , Et ester, <i>in</i> C-1-00207
15901-08-3	(Aminomethyl)phenylphosphinic acid, A-1-00177	16642-92-5	3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid; (<i>E</i>)- <i>form</i> , <i>in</i> T-1-00210	17351-17-6	α,α,α' -Tetraphenyl-1,2-cyclohexanedimethanol; (1 <i>R</i> ,2 <i>R</i>)- <i>form</i> , <i>in</i> T-1-00097
15910-82-4	2,3,4-Triamino-2,3,4-trideoxyidose; β -D-Pyranose- <i>form</i> , 1,6-Anhydro, <i>in</i> T-1-00140	16675-36-8	3,5-Diamino-4-bromo-1 <i>H</i> -pyrazole, D-1-00085	17391-59-2	Diisopropyl [(triethoxy)methyl] phosphonate, <i>in</i> T-1-00180
15910-83-5	2,3,4-Triamino-2,3,4-trideoxyidose; β -D-Pyranose- <i>form</i> , 1,6-Anhydro, 2 <i>N</i> ,3 <i>N</i> ,4 <i>N</i> -tri-Ac, <i>in</i> T-1-00140	16687-59-5	5-Ethyl-1 <i>H</i> -tetrazole, E-1-00027	17402-78-7	3-Bromo-2-nitrobenzo[b]thiophene, B-1-00352
15936-79-5	7-Bromo-5-methyl-1 <i>H</i> -indole, B-1-00342	16693-57-5	Dodecylphosphonic acid, <i>see</i> D-1-00552	17408-13-8	4-Chloropentanal, C-1-00139
15936-80-8	7-Bromo-5-methyl-1 <i>H</i> -indole; Picrate, <i>in</i> B-1-00342	16693-58-6	Tetradecylphosphonic acid, <i>see</i> T-1-00019	17429-00-4	3-Hydroxycyclohexanone, <i>see</i> H-1-00074
15936-81-9	5-Bromo-7-methyl-1 <i>H</i> -indole, B-1-00340	16696-68-7	1-Phenylethanethione, P-1-00068	17474-70-3	Dibutyl (1-acetoxyethyl) phosphonate, <i>in</i> A-1-00006
15936-82-0	5-Bromo-7-methyl-1 <i>H</i> -indole; Picrate, <i>in</i> B-1-00340	16703-95-0	Diethyl (4-methoxybenzoyl) phosphonate, <i>in</i> M-1-00013	17489-72-4	2,4-Quinazolinedithiol; Di-NH- <i>form</i> , <i>N,N'</i> -Di-Me, <i>in</i> Q-1-00001
15965-33-0	4,5-Dichloro-2-methylimidazole, D-1-00187	16723-50-5	2,3-Dihydro-3-methyl-4 <i>H</i> -1-benzothiopyran-4-one; (\pm)- <i>form</i> , S,S-Dioxide, <i>in</i> D-1-00299	17496-08-1	Propanoic acid; NH ₄ salt, <i>in</i> P-1-00131
15981-92-7	2,3'-Anhydrothymidine, A-1-00234	16723-52-7	2,3-Dihydro-5-methyl-4 <i>H</i> -1-benzothiopyran-4-one; S,S-Dioxide, <i>in</i> D-1-00300	17507-52-7	Diethyl [(triethoxy)methyl]phosphonate, <i>in</i> T-1-00180
16042-21-0	2-Methyl-2-(methylthio)propanal, <i>in</i> M-1-00010	16749-52-3	5-Deoxy-5-iodoxylose; α -D-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 3-trimethylsilyl, <i>in</i> D-1-00074	17507-53-8	Dibutyl [(triethoxy)methyl] phosphonate, <i>in</i> T-1-00180
16064-30-5	1-(4-Chlorophenyl)-2-propylamine; (<i>S</i>)- <i>form</i> , Hydrochloride, <i>in</i> C-1-00156			17507-56-1	Triethyl diazophosphonoacetate, <i>in</i> D-1-00117
16064-31-6	1-(4-Chlorophenyl)-2-propylamine; (<i>R</i>)- <i>form</i> , Hydrochloride, <i>in</i> C-1-00156			17534-98-4	Ethyl dimethylphosphinyl acetate, <i>in</i> D-1-00466

17572-67-7	Diethyl (1-acetoxyethenyl) phosphonate, <i>in</i> A-1-00006	18691-34-4	2-Indaneacetic acid; Chloride, <i>in</i> I-1-00011	19254-01-4	2-Amino-3-(3-iodo-4-hydroxyphenyl) propanoic acid, <i>see</i> A-1-00154
17572-68-8	Dipropyl (1-acetoxyethenyl) phosphonate, <i>in</i> A-1-00006	18788-45-9	Tetraethyl [(methylphosphinylidene) dimethylene]diphosphonate, <i>in</i> M-1-00118	19264-34-7	Propanoic acid; Amide, <i>N</i> -Ac, <i>in</i> P-1-00131
17674-23-6	Dimethyl (1-acetoxyethenyl) phosphonate, <i>in</i> A-1-00006	18789-77-0	Diphenylphosphinecarboxylic acid, <i>see</i> D-1-00507	19264-66-5	3-Benzoylcarbazole, B-1-00047
17687-58-0	1-Amino-3-methyl-2-butanol, A-1-00163	18835-32-0	1-Tricosene, T-1-00168	19307-60-9	1,1,3,3-Tetramethyl-2-(trifluoromethyl)triphosphine, T-1-00091
17696-37-6	4- <i>tert</i> -Butyl-2,5-dimethylphenol, B-1-00417	18895-50-6	1,1-Dicyclopropylethanol, D-1-00211	19310-00-0	6-Fluorotryptophan, <i>see</i> F-1-00061
17714-94-2	3,6-Dimethyl-1-indanone, D-1-00423	18929-78-7	6-Bromo-6-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, 4-benzoyl, <i>in</i> B-1-00262	19345-96-1	4-Methylacnaphthene, M-1-00018
17749-16-5	10,11-Dihydro-10,5-(iminomethano)-5 <i>H</i> -dibenzo[<i>a,d</i>]cycloheptene, <i>see</i> D-1-00293	18929-79-8	6-Bromo-6-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, tribenzoyl, <i>in</i> B-1-00262	19347-07-0	2-Hydroxycycloheptanone; (\pm)- <i>form</i> , Ac, <i>in</i> H-1-00072
17775-58-5	2-Methyl-3-cyclohexene-1-carboxaldehyde, M-1-00048	18929-80-1	6-Bromo-6-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, 4-benzoyl, 2,3-di-Ac, <i>in</i> B-1-00262	19404-40-1	2-Amino-3,5-dinitropyridine; <i>N</i> -Me, <i>in</i> A-1-00130
17785-40-9	3,4-Dihydro-2-phenyl-1,4-benzothiazepin-5(2 <i>H</i>)-one, D-1-00321	18929-81-2	6-Bromo-6-deoxytalose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3-anhydro, 4-benzoyl, <i>in</i> B-1-00269	19415-51-1	5-Fluoro-2-methoxybenzaldehyde, <i>in</i> F-1-00022
17788-94-2	4,4'-Dibromo-1,1':4',1''-terphenyl, D-1-00160	18930-05-7	4-Bromo-4-deoxyxylose; α -L-Pyranose- <i>form</i> , Me glycoside, dibenzoyl, <i>in</i> B-1-00272	19430-93-4	3,3,4,4,5,5,6,6-Nonafluoro-1-hexene, N-1-00044
17850-73-6	3-Hydroxy-9-phenanthrenecarboxaldehyde, H-1-00163	18930-14-8	5-Bromo-5-deoxyidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 6-Me, 3-benzoyl, <i>in</i> B-1-00255	19458-01-6	1-(Ethylthio)-1-buten-3-yne; (<i>Z</i>)- <i>form</i> , <i>in</i> E-1-00030
17853-49-5	4 <i>H</i> ,6 <i>H</i> -3 <i>a</i> ,6 <i>a</i> -Propano-1 <i>H</i> ,3 <i>H</i> -furo[3,4- <i>c</i>]furan, P-1-00130	18931-39-0	[2.2]Paracyclophane-4-carboxylic acid, P-1-00003	19462-98-7	5,6-Dichloro-2-mercaptobenzimidazole, D-1-00182
17929-90-7	3-Aminohexahydro-2 <i>H</i> -azepin-2-one; (\pm)- <i>form</i> , <i>in</i> A-1-00142	18933-59-0	6-Bromo-6-deoxyallose; α -D-Pyranose- <i>form</i> , Me glycoside, 4-benzoyl, 2,3-anhydro, <i>in</i> B-1-00246	19465-09-9	2-Bromo-2-deoxyaltrose; α -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, <i>in</i> B-1-00247
17954-93-7	5-Bromo-5-deoxyxylose; α -D-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 3-Me, <i>in</i> B-1-00273	18968-73-5	2-Deoxy-2-iodoaltrose; β -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, <i>in</i> D-1-00046	19519-58-5	Tetramethyl 1,2-ethynediylbisphosphonate, <i>in</i> E-1-00032
18005-88-4	2-(Diphenylphosphino)-1,1,3,3-tetraphenyltriphosphine, D-1-00512	18968-74-6	2-Deoxy-2-iodoaltrose; β -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, 3-Ac, <i>in</i> D-1-00046	19550-64-2	2,6-Dimethyl-1,5-heptadien-4-ol, D-1-00405
18086-45-8	1-Methylacnaphthene, M-1-00016	18968-77-9	2-Deoxy-2-iodoidose; α -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, <i>in</i> D-1-00056	19673-40-6	1 <i>H</i> -1-Benzazepine; 2,3-Dihydro, <i>N</i> -Ac, <i>in</i> B-1-00001
18351-72-9	1,2-Di- <i>tert</i> -butyl-1,2-diphenyldiphosphine; 1,2-Dioxide, <i>in</i> D-1-00169	18968-82-6	2-Deoxy-2-iodoidose; α -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, 3-Ac, <i>in</i> D-1-00056	19685-17-7	6-Chloro-6-deoxyallose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3-anhydro, <i>in</i> C-1-00037
18385-87-0	6-Bromo-2 <i>H</i> -1-benzopyran, B-1-00226	18970-81-5	2-(2-Chlorophenyl)ethylamine; Hydrochloride, <i>in</i> C-1-00149	19685-18-8	2-Chloro-2-deoxyallose; α -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, 3-Me, <i>in</i> C-1-00035
18385-91-6	7-Chloro-2 <i>H</i> -1-benzopyran, C-1-00017	19024-48-7	1,1,2-Trichlorocyclohexane, T-1-00158	19690-23-4	2-Amino-6-iodopurine, A-1-00155
18385-92-7	7-Bromo-2 <i>H</i> -1-benzopyran, B-1-00227	19047-21-3	3,4-Bis(dibromomethyl)benzoic acid, B-1-00142	19690-70-1	[2,2'-Bithiophene]-3,3'-dicarboxaldehyde, B-1-00217
18417-47-5	3-Chloro-3-deoxyxylose; β -D-Pyranose- <i>form</i> , Me glycoside, <i>in</i> C-1-00060	19053-14-6	4,4''-Diiodo-1,1':4',1''-terphenyl, D-1-00360	19715-32-3	2-Bromo-1,3-di- <i>tert</i> -butylbenzene, B-1-00275
18417-48-6	3-Chloro-3-deoxyxylose; β -D-Pyranose- <i>form</i> , Me glycoside, di-Ac, <i>in</i> C-1-00060	19068-35-0	2,2-Dimethyl-1-phenyl-1-propylamine; (<i>R</i>)- <i>form</i> , Hydrochloride, <i>in</i> D-1-00463	19734-17-9	Tetraethyl (diazomethylene) bisphosphonate, <i>in</i> D-1-00120
18417-50-0	4-Chloro-4-deoxyxylose; α -L-Pyranose- <i>form</i> , Me glycoside, 2-mesyl, 3-chlorosulfate, <i>in</i> C-1-00061	19099-70-8	<i>N,N</i> -Bis[4-(phenylamino)phenyl]-1,4-benzenediamine, B-1-00191	19776-83-1	[2.2]Paracyclophane-4-carboxylic acid; (<i>S</i>)- <i>form</i> , <i>in</i> P-1-00003
18417-51-1	4-Chloro-4-deoxyxylose; α -L-Pyranose- <i>form</i> , Me glycoside, 2-mesyl, <i>in</i> C-1-00061	19131-40-9	3-Amino-1,2,4-triazin-5(2 <i>H</i>)-one; 2- β -D-Arabinofuranosyl, <i>in</i> A-1-00220	19789-15-2	3,5,5-Trimethyl-1,2-dioxolan-3-ol, <i>see</i> T-1-00241
18450-71-0	1-Iodo-2-methylpentane; (<i>R</i>)- <i>form</i> , <i>in</i> I-1-00042	19140-34-2	Methyl 4-amino-4-deoxy- α -L-arabinopyranoside, <i>in</i> A-1-00100	19812-49-8	2-Methylazetidine, M-1-00022
18494-75-2	5,5'-Dichloro-2,2'-bithiophene, D-1-00174	19140-35-3	4-Amino-4-deoxyarabinose; α -L-Pyranose- <i>form</i> , Me glycoside, <i>N</i> -Ac, <i>in</i> A-1-00100	19838-07-4	2-Hydroxy-3-methylpyrazine, H-1-00127
18500-91-9	8-Hydroxy-1-naphthalenemethanol, H-1-00155	19181-53-4	4-Hydroxy-6-methylquinazoline, H-1-00143	19838-08-5	2-Amino-3-methylpyrazine, A-1-00179
18511-72-3	4,4'-Dinitro-2,2'-bipyridine, D-1-00482	19181-54-5	4-Hydroxy-8-methylquinazoline, H-1-00145	19843-07-3	5-Hydroxy-1-methyl-2-phenyl-4(1 <i>H</i>)-quinolinone, <i>in</i> D-1-00352
18530-45-5	5-Aminobicyclo[2.2.1]hept-2-ene; (1 <i>R</i> ,5 <i>SR</i>)- <i>form</i> , <i>in</i> A-1-00064	19185-89-8	2,3-Dihydro-2-methyl-4 <i>H</i> -pyran-4-one, D-1-00308	19844-70-3	6-Bromo-6,7,8,9-tetrahydro-5 <i>H</i> -benzocyclohepten-5-one, B-1-00392
18592-80-8	1-Phenylcyclobutanol; 3,5-Dinitrobenzoyl, <i>in</i> P-1-00056	19190-42-2	8-Methoxy-1-naphthalenemethanol, <i>in</i> H-1-00155	19866-98-9	3-Amino-2-propenoic acid, <i>see</i> A-1-00201
18617-40-8	2-Methoxy-3,5-dinitropyridine, <i>in</i> H-1-00091	19210-07-2	4-Amino-4-deoxyarabinose; α -L-Pyranose- <i>form</i> , Me glycoside, 2,3,4 <i>N</i> -tri-Ac, <i>in</i> A-1-00100	19876-38-1	4-Methyl-2-cyclohexene-1-carboxaldehyde, M-1-00049
18617-41-9	2-Ethoxy-3,5-dinitropyridine, <i>in</i> H-1-00091	19221-36-4	2,2-Dichloro-3,4-dihydro-1(2 <i>H</i>)-naphthalenone, D-1-00175	19876-39-2	4-Methyl-2-cyclohexene-1-carboxaldehyde; Semicarbazone, <i>in</i> M-1-00049
18617-42-0	2-Amino-3,5-dinitropyridine; <i>N</i> -Ph, <i>in</i> A-1-00130	19237-69-5	2-Bromo-2-deoxymannose; α -D-Pyranose- <i>form</i> , 1-Benzoyl, 3,4,6-tri-Ac, <i>in</i> B-1-00261	19877-24-8	4-Bromo-4-deoxytagatose; α -L-Pyranose- <i>form</i> , Me glycoside, tri-Ac, <i>in</i> B-1-00267
18619-15-3	[(2-Methylphenyl)thio]acetic acid, M-1-00111			19877-75-9	4-Bromo-4-deoxytagatose; β -Pyranose- <i>form</i> , Me glycoside, tri-Ac, <i>in</i> B-1-00267
18629-15-7	1,6-Bis(triphenylphosphoranylidene)-2,4-hexadiene-1,2,3,4,5,6-hexacarbonitrile, B-1-00216			19909-85-4	(4-Methoxyphenyl)phosphonous dichloride, M-1-00014

19968-13-9	5(3)-Trifluoromethyl-1 <i>H</i> -pyrazole-3(5)-carboxylic acid; Me ester, <i>in</i> T-1-00214	20616-70-0	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>SR</i> ,4 <i>aSR</i> ,8 <i>aSR</i>)- <i>form</i> , <i>N,N'</i> -Dibenzoyl, <i>in</i> D-1-00004	21368-80-9	4,4'-Diethylnildiphenyl ether, D-1-00233
19984-57-7	1-(1-Adamantyl)pyridinium(1+); Bromide, <i>in</i> A-1-00042	20616-71-1	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>SR</i> ,4 <i>aRS</i> ,8 <i>aSR</i>)- <i>form</i> , <i>N,N'</i> -Dibenzoyl, <i>in</i> D-1-00004	21413-75-2	1-Chloro-6,7,8,9-tetrahydro-5 <i>H</i> -benzocyclohepten-5-one, C-1-00165
20060-07-5	4-Octene-2,6-diyne; (<i>E</i>)- <i>form</i> , <i>in</i> O-1-00026	20616-72-2	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>SR</i> ,4 <i>aSR</i> ,8 <i>aRS</i>)- <i>form</i> , <i>N,N'</i> -Dibenzoyl, <i>in</i> D-1-00004	21413-76-3	1-Chloro-6,7,8,9-tetrahydro-5 <i>H</i> -benzocyclohepten-5-one; Oxime, <i>in</i> C-1-00165
20068-48-8	2-Aminobutanal; (±)- <i>form</i> , <i>N,N</i> -Di-Me, <i>in</i> A-1-00072	20616-73-3	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>RS</i> ,4 <i>aRS</i> ,8 <i>aRS</i>)- <i>form</i> , <i>N,N'</i> -Di-Ac, <i>in</i> D-1-00004	21413-77-4	3-Chloro-6,7,8,9-tetrahydro-5 <i>H</i> -benzocyclohepten-5-one, C-1-00167
20073-21-6	6-Methoxy-5-benzofurancarboxaldehyde, <i>in</i> H-1-00061	20616-74-4	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>RS</i> ,4 <i>aSR</i> ,8 <i>aSR</i>)- <i>form</i> , <i>N,N'</i> -Di-Ac, <i>in</i> D-1-00004	21413-78-5	3-Chloro-6,7,8,9-tetrahydro-5 <i>H</i> -benzocyclohepten-5-one; Oxime, <i>in</i> C-1-00167
20073-22-7	6-Hydroxy-5-benzofurancarboxaldehyde, H-1-00061	20616-75-5	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>SR</i> ,4 <i>aSR</i> ,8 <i>aRS</i>)- <i>form</i> , <i>N,N'</i> -Di-Ac, <i>in</i> D-1-00004	21417-50-5	(Pentafluorophenoxy)acetic acid; Me ester, <i>in</i> P-1-00014
20090-58-8	2-Amino-4-chloro-5-methylpyrimidine, A-1-00083	20633-11-8	Hexyl nitrate, H-1-00052	21452-18-6	Metsulfovax, <i>in</i> D-1-00469
20090-69-1	5-Amino-2-chloro-4-methylpyrimidine, A-1-00089	20654-47-1	2-Cyano-2-methylpentane, <i>in</i> D-1-00452	21508-19-0	5-Chloro-2-furancarboxaldehyde, C-1-00100
20098-14-0	Idramantone, H-1-00053	20701-50-2	2-Deoxy-2-iodomannose; α-D-Pyranose- <i>form</i> , Me glycoside, tri-Ac, <i>in</i> D-1-00060	21533-86-8	4 <i>H</i> ,6 <i>H</i> -3 <i>a</i> ,6 <i>a</i> -(Methanothiomethano)-1 <i>H</i> ,3 <i>H</i> -furo[3,4- <i>c</i>]furan, M-1-00012
20098-20-8	5-Bromo-2-adamantanone, B-1-00223	20721-17-9	2-Hydroxy-5-methylpyrazine, H-1-00128	21568-87-6	3-Aminohexahydro-2 <i>H</i> -azepin-2-one; (<i>S</i>)- <i>form</i> , <i>in</i> A-1-00142
20109-59-5	Tridecafluoroheptanoic acid; Na salt, <i>in</i> T-1-00178	20721-18-0	2-Hydroxy-6-methylpyrazine, H-1-00129	21594-52-5	6-Bromooxazolo[4,5- <i>b</i>]pyridin-2(3 <i>H</i>)-one, B-1-00363
20141-83-7	1-Hydroxy-7-nitroisquinoline, H-1-00156	20750-24-7	5-Amino-5-deoxyxylose; α-D-Furanose- <i>form</i> , Benzyl glycoside, 2,3- <i>O</i> -isopropylidene, <i>N</i> -Ac, <i>in</i> A-1-00105	21612-24-8	<i>N</i> -β-Alanyltyrosine; (<i>S</i>)- <i>form</i> , <i>Z</i> -β-Ala-Tyr-OMe, <i>in</i> A-1-00044
20145-30-6	Bicyclo[4.1.0]heptane-7,7-dicarboxylic acid, B-1-00083	20750-25-8	5-Amino-5-deoxyxylose; α-D-Furanose- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, <i>N</i> -Ac, <i>in</i> A-1-00105	21612-25-9	<i>N</i> -β-Alanyltyrosine; (<i>S</i>)- <i>form</i> , <i>Z</i> -β-Ala-Tyr-OH, <i>in</i> A-1-00044
20210-03-1	2-Amino-4-hydroxy-6-methylpteridine; N ⁸ -Oxide, <i>in</i> A-1-00147	20750-26-9	5-Amino-5-deoxyxylose; α-D-Furanose- <i>form</i> , Benzyl glycoside, <i>N</i> -Ac, <i>in</i> A-1-00105	21612-26-0	<i>N</i> -β-Alanyltyrosine; (<i>S</i>)- <i>form</i> , <i>in</i> A-1-00044
20261-68-1	1-Chloro-2-hexanone, C-1-00103	20750-29-6	5-Deoxy-5-iodoxylose; α-D-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 3-Ac, <i>in</i> D-1-00074	21622-85-5	4-Hydroxy-3-methyl-2-butenic acid; (<i>E</i>)- <i>form</i> , Ac, <i>in</i> H-1-00115
20333-40-8	Dibutyl diselenide, D-1-00170	20826-94-2	2-Oxocyclopentaneacetic acid, <i>see</i> O-1-00040	21662-09-9	4-Decenal; (<i>Z</i>)- <i>form</i> , <i>in</i> D-1-00010
20343-90-2	Bis(phenylseleno)methane, B-1-00197	20846-99-5	2-Deoxy-2-iodomannose; α-D-Pyranose- <i>form</i> , 1-Benzoyl, 3,4,6-tri-Ac, <i>in</i> D-1-00060	21681-88-9	[(4-Methylphenyl)thio]acetic acid; Nitrile, <i>in</i> M-1-00113
20408-22-4	Tetraethyl 1,2-ethenediylbisphosphonate, <i>in</i> E-1-00010	20853-30-9	5-Deoxy-5-iodoarabino; β-L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 3-Ac, <i>in</i> D-1-00051	21711-52-4	4,4'-Dichloro-1,1':4',1''-terphenyl, D-1-00196
20408-25-7	(2-Bromovinyl)phenyl sulfone, <i>in</i> B-1-00383	20853-48-9	3-Bromo-3-deoxyaltrose; α-D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, 2-Ac, <i>in</i> B-1-00248	21722-84-9	(2-Phenoxyethenyl)phosphonous acid; Dichloride, <i>in</i> P-1-00039
20421-48-1	2-Fluorocyclohexanol, <i>see</i> F-1-00014	20863-72-3	3-(Aminomethyl)pyrrole; 1-Me, <i>in</i> A-1-00183	21730-16-5	Metapramine, <i>in</i> A-1-00118
20487-40-5	<i>tert</i> -Butyl propionate, <i>in</i> P-1-00131	20884-33-7	1,2-Dihydro-2-oxocyclohepta[<i>b</i>]pyrrole-3-carboxylic acid, D-1-00318	21746-02-1	3-Phenyl-2,5-piperazinedione, P-1-00094
20490-22-6	2,4,6-Tri-2-propenylphenol, T-1-00265	20896-23-5	3,4-Bis(bromomethyl)benzoic acid; Me ester, <i>in</i> B-1-00129	21871-05-6	2,3-Diamino-2,3-dideoxymannose; β-D-Pyranose- <i>form</i> , Me glycoside, <i>in</i> D-1-00099
20493-63-4	2-Aminobutanal; (±)- <i>form</i> , <i>N,N</i> -Di-Et, <i>in</i> A-1-00072	20896-24-6	3,4-Bis(bromomethyl)benzoic acid, B-1-00129	21871-06-7	2,3-Diamino-2,3-dideoxymannose; β-D-Pyranose- <i>form</i> , Me glycoside, 2 <i>N</i> ,3 <i>N</i> -di-Ac, <i>in</i> D-1-00099
20512-21-4	Methyl 2-chloro-2-deoxy-α-D-mannopyranoside, <i>in</i> C-1-00052	20965-69-9	10 <i>H</i> -Phenothiazine-2-acetic acid, P-1-00036	21871-07-8	2,3-Diamino-2,3-dideoxymannose; D-Pyranose- <i>form</i> , Hydrochloride, <i>in</i> D-1-00099
20512-22-5	2-Chloro-2-deoxymannose; β-D-Pyranose- <i>form</i> , Me glycoside, tri-Ac, <i>in</i> C-1-00052	21009-92-7	2'-Methoxy-4',6'-dimethylacetophenone, <i>in</i> H-1-00080	21906-73-0	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>RS</i> ,4 <i>aSR</i> ,8 <i>aSR</i>)- <i>form</i> , <i>N,N'</i> -Dibenzoyl, <i>in</i> D-1-00004
20513-25-1	5,5-Dimethyl-2,4-imidazolidinedithione, D-1-00412	21039-78-1	6-Chloro-4-phenylcinnoline, C-1-00147	21909-51-3	2-Methyl-1 <i>H</i> -indole-3-acetic acid; Hydrazide, <i>in</i> M-1-00073
20513-88-6	Methyl 2-chloro-2-deoxy-β-D-mannopyranoside, <i>in</i> C-1-00052	21049-36-5	Tridecafluoroheptanoic acid, <i>see</i> T-1-00178	21925-78-0	3-Amino-1,5-pentanedithiol, <i>see</i> A-1-00190
20514-48-1	2,4-Dimethylhexanal, D-1-00408	21206-66-6	5-Oxo-3-pentenoic acid; (<i>E</i>)- <i>form</i> , Me ester, <i>in</i> O-1-00052	21925-82-6	3-Amino-1,5-pentanedithiol; Hydrochloride, <i>in</i> A-1-00190
20520-42-7	2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid, <i>see</i> A-1-00154	21230-16-0	Benzyl ethyl disulfide, B-1-00067	21925-83-7	1,2-Dithiepan-5-amine, <i>in</i> A-1-00190
20568-98-3	1,3,5-Tri- <i>tert</i> -butyl-2,4-dinitrobenzene, T-1-00155	21363-10-0	6-Hydroxy-3-biphenylcarboxaldehyde, H-1-00069	21964-48-7	1,12-Tridecadiene, T-1-00176
20583-04-4	1,1,6,6-Tetraphenyl-2,4-hexadiyne-1,6-diol, T-1-00100			21979-82-8	1,1,2,4-Tetraphenyl-1-buten-3-yne, T-1-00095
20586-49-6	[2.2]Paracyclophane-4-carboxylic acid; (±)- <i>form</i> , <i>in</i> P-1-00003			21981-37-3	Di- <i>tert</i> -butylamine, D-1-00166
20616-59-5	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>RS</i> ,4 <i>aRS</i> ,8 <i>aRS</i>)- <i>form</i> , <i>in</i> D-1-00004			22031-57-8	1-Cyano-2-cyclohexylethylene, <i>in</i> C-1-00207
20616-60-8	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>SR</i> ,4 <i>aSR</i> ,8 <i>aSR</i>)- <i>form</i> , <i>in</i> D-1-00004			22037-29-2	2-Acetyl-3-bromofuran, A-1-00014
20616-61-9	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>RS</i> ,4 <i>aSR</i> ,8 <i>aSR</i>)- <i>form</i> , <i>in</i> D-1-00004			22037-30-5	2-Acetyl-3-bromofuran; Semicarbazone, <i>in</i> A-1-00014
20616-62-0	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>SR</i> ,4 <i>aRS</i> ,8 <i>aRS</i>)- <i>form</i> , <i>in</i> D-1-00004			22065-08-3	3-Amino-6,7-dihydroxy-2 <i>H</i> -1-benzopyran-2-one, A-1-00123
20616-63-1	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>SR</i> ,4 <i>aSR</i> ,8 <i>aRS</i>)- <i>form</i> , <i>in</i> D-1-00004			22245-93-8	3,4-Dihydro-7-hydroxy-1(2 <i>H</i>)-isoquinolinone; <i>O</i> -Ac, <i>in</i> D-1-00286
20616-69-7	Decahydro-1,4-naphthalenediamine; (1 <i>RS</i> ,4 <i>RS</i> ,4 <i>aRS</i> ,8 <i>aRS</i>)- <i>form</i> , <i>N,N'</i> -Dibenzoyl, <i>in</i> D-1-00004			22245-98-3	3,4-Dihydro-6-hydroxy-1(2 <i>H</i>)-isoquinolinone, D-1-00285
				22245-99-4	3,4-Dihydro-6-hydroxy-1(2 <i>H</i>)-isoquinolinone; <i>O</i> -Ac, <i>in</i> D-1-00285

22246-04-4	3,4-Dihydro-7-methoxy-1(2 <i>H</i>)-isoquinolinone, in D-1-00286	22932-31-6	6-Deoxy-6-iodomannose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, 4-mesyl, in D-1-00061	23261-14-5	1-Chloro-1-deoxyfructose; DL- <i>form</i> , Tetra-Ac, in C-1-00042
22246-05-5	3,4-Dihydro-7-hydroxy-1(2 <i>H</i>)-isoquinolinone, D-1-00286	22932-32-7	6-Chloro-6-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, 4-brosyl, in C-1-00053	23285-75-8	<i>N</i> -(Diphenylmethylene)aniline; Hydrochloride, in D-1-00503
22246-12-4	3,4-Dihydro-6-methoxy-1(2 <i>H</i>)-isoquinolinone, in D-1-00285	22932-33-8	6-Deoxy-6-iodomannose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, 4-brosyl, in D-1-00061	23351-91-9	5-Bromo-1,3-benzenedicarboxylic acid, B-1-00225
22315-46-4	3-Bromo-4-phenyl-3-cyclobutene-1,2-dione, B-1-00375	22932-34-9	6-Deoxy-6-iodomannose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, 4-brosyl, in D-1-00061	23356-90-3	1,2-Dithiepan-4-amine, in A-1-00189
22320-23-6	2-Indolizinecarboxylic acid; Amide, in I-1-00016	22942-83-2	6-Deoxy-6-iodomannose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, 4-brosyl, in D-1-00061	23356-91-4	2-Amino-1,5-pentanedithiol; (S)- <i>form</i> , Hydrochloride, in A-1-00189
22320-25-8	3-Indolizinecarboxylic acid; Me ester, in I-1-00017	22942-85-4	6-Deoxy-6-iodomannose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, 4-brosyl, in D-1-00061	23450-18-2	2-Bromodiphenylmethane, B-1-00288
22320-27-0	3-Indolizinecarboxylic acid; Amide, in I-1-00017	22955-77-7	1,4-Dihydrocyclopent[b]indol-3(2 <i>H</i>)-one; Oxime, in D-1-00265	23559-36-6	1,2-Anhydro- <i>allo</i> -inositol, in E-1-00006
22380-17-2	3-Indolizinecarboxylic acid; Chloride, in I-1-00017	22997-61-1	1,4-Dihydrocyclopent[b]indol-3(2 <i>H</i>)-one; Oxime, in D-1-00265	23587-33-9	Methyl bis(3-fluorophenyl)phosphinite, in B-1-00166
22381-52-8	1-Cyano-3-methylisoquinoline, in M-1-00080	23030-35-5	1,4-Dihydrocyclopent[b]indol-3(2 <i>H</i>)-one; Semicarbazone, in D-1-00265	23588-18-3	<i>P,P</i> -Bis(3-fluorophenyl)- <i>N,N</i> -dipropylphosphinous amide, in B-1-00168
22385-77-9	1-Bromo-3,5-di- <i>tert</i> -butylbenzene, B-1-00274	23039-97-6	1-Oxo-2-indanecarboxylic acid; (\pm)- <i>form</i> , Me ester, in O-1-00046	23588-25-2	<i>N,N</i> -Diethyl- <i>P,P</i> -bis(3-fluorophenyl)phosphinous amide, in B-1-00168
22412-62-0	5-Amino-5-deoxyidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 3-benzyl, <i>N</i> -Ac, in A-1-00103	23055-23-4	Triphenyl(spiro[3.3]hept-2-yl)phosphonium(1+); Bromide, in T-1-00264	23592-78-1	2-Benzoylcarbazole, B-1-00046
22412-65-3	3-Amino-3-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, <i>N</i> -benzoyl, in A-1-00106	23086-34-2	2,3,5-Tribromo-1,4-benzenediol; Di-Ac, in T-1-00148	23627-80-7	1,2-Anhydro- <i>allo</i> -inositol; Tetranitrate, in E-1-00006
22412-66-4	3-Amino-3-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, <i>N</i> -benzoyl, 2,4,6-tri-Ac, in A-1-00106	23094-76-0	Chlorobis(4-fluorophenyl)phosphine, in B-1-00167	23628-31-1	6-Amino-2-pyridinecarboxylic acid, A-1-00205
22412-67-5	3-Amino-3-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, <i>N</i> -benzoyl, in A-1-00106	23099-06-1	Bis(3-fluorophenyl)phosphinous chloride, B-1-00169	23717-59-1	2,2-Diphenyl-1,3-indanedione, D-1-00501
22412-70-0	3-Amino-3-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, 3 <i>N</i> ,4,6-tri-Ac, in A-1-00106	23100-12-1	Propyl bis(4-bromophenyl)phosphinite, in B-1-00136	23758-95-4	3 <i>H</i> -2-Benzazepine; 4,5-Dihydro, in B-1-00002
22428-85-9	4-Methylene-cyclohexanol, M-1-00065	23103-66-4	2,3-Dihydro-2-methyl-4 <i>H</i> -1-benzothiopyran-4-one; (\pm)- <i>form</i> , S-Oxide, in D-1-00298	23758-96-5	3 <i>H</i> -2-Benzazepine; 4,5-Dihydro, picrate, in B-1-00002
22445-56-3	3-Methylene-cyclohexanol, <i>see</i> M-1-00064	23146-22-7	1,6-Anhydro-3-deoxy-3-fluoroaltrropyranose; D- <i>form</i> , 4-Benzyl, in A-1-00230	23779-96-6	4-Hydroxy-8-(trifluoromethyl)quinoline, H-1-00178
22495-86-9	1,3,6,8-Tetra- <i>tert</i> -butylnaphthalene, T-1-00005	23149-36-2	10,11-Dihydro-10,5-(iminomethano)-5 <i>H</i> -dibenzol[a,d]cycloheptene, <i>see</i> D-1-00293	23779-97-7	4-Chloro-8-(trifluoromethyl)quinoline, C-1-00173
22528-67-2	2-Bromo-1,1,1,3,3,4,4,5,5,5-decafluoro-2-(trifluoromethyl)pentane, B-1-00242	23172-63-6	6-Chloro-3-pyridinecarboxaldehyde, C-1-00163	23784-95-4	2-Thiazolemethanol; Hydrochloride, in T-1-00111
22543-31-3	6-Nitrohexanoic acid; Amide, in N-1-00018	23172-64-7	3,4-Dihydro-1,4-benzothiazepin-5(2 <i>H</i>)-one; S-Oxide, in D-1-00260	23789-83-5	3,3-Dimethyl-2-piperidinone, D-1-00467
22550-43-2	1,3,5,8-Tetra- <i>tert</i> -butylnaphthalene, T-1-00004	23190-84-3	11 <i>H</i> -Indenol[1,2- <i>b</i>]quinoxalin-11-one; Oxime, in I-1-00012	23814-12-2	1 <i>H</i> -Benzotriazole-5(6)-carboxylic acid, B-1-00037
22552-32-5	2-Thiocyanatothiophene, T-1-00132	23199-36-2	2,3,5-Tribromo-1,4-benzenediol, T-1-00148	23897-19-0	Tetrakis(2,4,6-trimethylphenyl)diphosphine, T-1-00078
22555-64-2	Camphor-3-sulfonic acid; (1 <i>R</i> ,3 <i>S</i>)- <i>form</i> , in C-1-00001	23206-20-4	4-Amino-3-oxo-5-isoxazolidineacetic acid; (3 <i>R</i> ,5 <i>R</i>)- <i>form</i> , in A-1-00187	23897-21-4	Tetrakis(2,4,6-trimethylphenyl)diphosphine; 1,2-Dioxide, in T-1-00078
22600-77-7	2-(Aminomethyl)imidazole; Hydrochloride (1:2), in A-1-00172	23230-39-9	4-Amino-3-oxo-5-isoxazolidineacetic acid; (3 <i>R</i> ,5 <i>R</i>)- <i>form</i> , in A-1-00187	23906-89-0	1-Adamantylphosphine, A-1-00040
22608-45-3	1,2-Bis(4-hydroxyphenyl)acetylene, B-1-00182	23244-32-8	3-Amino-2-quinoxalinecarboxylic acid; Nitrile, 1,4-dioxide, in A-1-00207	23921-55-3	Tetrakis(2,4,6-trimethylphenyl)diphosphine; 1-Oxide, in T-1-00078
22647-90-1	3-Bromo-6,7,8,9-tetrahydro-5 <i>H</i> -benzocyclohepten-5-one; 2,4-Dinitrophenylhydrazone, in B-1-00391	23259-30-5	3,4-Dihydro-4-hydroxy-1(2 <i>H</i>)-isoquinolinone, D-1-00283	23936-58-5	Tris[2-(dimethylaminomethyl)phenyl]phosphine, T-1-00269
22684-29-3	2-Chloro-5 <i>H</i> -dibenz[<i>b,f</i>]azepine, C-1-00063	23259-82-7	1-(Dimethylaminomethyl)imidazole, in A-1-00171	24006-16-4	(2,4-Dimethylphenyl)hydrazine; Monopicrate, in D-1-00458
22767-77-7	1-(1-Propenyl)naphthalene, P-1-00133	23259-83-8	3-Isothiazolecarboxylic acid; Et ester, in I-1-00088	24006-17-5	(2,5-Dimethylphenyl)hydrazine; Monopicrate, in D-1-00459
22854-36-0	2-Deoxy-2-iodoribose; β -D-Pyranose- <i>form</i> , Me glycoside, 1-benzoyl, 3,4-di-Ac, in D-1-00064	23259-86-1	2-Chloro-2-deoxymannose; α -D-Pyranose- <i>form</i> , 1-Benzoyl, tri-Ac, in C-1-00052	24006-18-6	(3,4-Dimethylphenyl)hydrazine; Monopicrate, in D-1-00461
22863-91-8	(1-Ethylpropylidene)propanedioic acid; Mononitrile, Me ester, in E-1-00025	23261-11-2	2-Bromo-2-deoxyarabinose; α -D-Furanose- <i>form</i> , Me glycoside, 3,5-di-Ac, in B-1-00250	24018-00-6	2,2'-Dibenzoylbiphenyl, D-1-00130
22893-89-6	6-Bromo-6-deoxyallose; α -D-Pyranose- <i>form</i> , Me glycoside, 4-benzoyl, 2,3-di-Me, in B-1-00246	23261-12-3	3-Bromo-3-deoxyxylose; α -D-Furanose- <i>form</i> , Me glycoside, di-Ac, in B-1-00271	24066-96-4	2,3,7,8-Thianthretnetrol, T-1-00109
22911-31-5	1-Methyl-2-cyclohexene-1-carboxaldehyde, M-1-00046	23261-13-4	3-Bromo-3-deoxyxylose; β -D-Furanose- <i>form</i> , Me glycoside, di-Ac, in B-1-00271	24083-55-4	1-Bromo-2-(bromomethyl)-2-butylamine; Hydrobromide, in B-1-00234
22931-82-4	2-Chloro-2-deoxymannose; α -D-Pyranose- <i>form</i> , Me glycoside, tri-Ac, in C-1-00052		1-Bromo-1-deoxyfructose; L- <i>form</i> , Tetra-Ac, in B-1-00252	24127-36-4	2-Chloro-6,7,8,9-tetrahydro-5 <i>H</i> -benzocyclohepten-5-one, C-1-00166
			1-Bromo-1-deoxyfructose; DL- <i>form</i> , Tetra-Ac, in B-1-00252	24127-37-5	2-Chloro-6,7,8,9-tetrahydro-5 <i>H</i> -benzocyclohepten-5-one; Oxime, in C-1-00166
			1-Chloro-1-deoxyfructose; L- <i>form</i> , Tetra-Ac, in C-1-00042	24191-19-3	6-(Hydroxymethyl)-2-pyridinecarboxylic acid; N-Oxide, in H-1-00139
				24257-93-0	2-Acetylbenzaldehyde, A-1-00008
				24257-94-1	2-Acetylbenzaldehyde; Bis(2,4-dinitrophenylhydrazone), in A-1-00008
				24287-92-1	2-Bromo-3-iodothiophene, B-1-00307
				24291-80-3	4-Bromo-4-octene; (E)- <i>form</i> , in B-1-00361
				24291-81-4	4-Bromo-4-octene; (Z)- <i>form</i> , in B-1-00361
				24340-75-8	4-Isothiazolecarboxylic acid; Amide, in I-1-00089

24342-43-6	3-Isothiazolecarboxylic acid; Amide, <i>in</i> I-1-00088	26081-07-2	3-Aminohexahydro-2 <i>H</i> -azepin-2-one; (<i>S</i>)-form, Hydrochloride, <i>in</i> A-1-00142	26562-21-0	3,4-Dihydro-2,5-selenophenedione, <i>in</i> S-1-00002
24346-53-0	1-Iodo-3-methylpentane, I-1-00043	26157-23-3	2-Amino-3,5-di- <i>tert</i> -butylbenzoic acid, A-1-00112	26562-64-1	2,5-Selenophenedione, S-1-00002
24403-04-1	Debropol, B-1-00355	26216-10-4	4'-Hydroxy-2',5'-dimethylacetophenone, H-1-00082	26600-63-5	1-Methyl-1-cyclododecanol, <i>see</i> M-1-00045
24434-09-1	3,6-Octanediol, O-1-00022	26228-95-5	3,3-Dibromo-2-piperidinone, D-1-00157	26619-69-2	Isolongifolene epoxide, I-1-00070
24484-98-8	2,3-Diamino-4-chloropyridine, D-1-00087	26328-53-0	▶ Amoscanate, N-1-00023	26728-58-5	3-Methyl-2-buten-1-amine; Hydrochloride, <i>in</i> M-1-00040
24512-26-3	<i>N,N,N',N'</i> -Tetramethyl- <i>P</i> -(trifluoroethenyl)phosphonous diamide, <i>in</i> T-1-00184	26348-84-5	Methyl methyl(trifluoromethyl) phosphinite, <i>in</i> M-1-00136	26818-03-1	1-Bromo-2-pentanol, B-1-00366
24532-82-9	1-Amino-2-cyanoethylene, <i>in</i> A-1-00201	26348-85-6	<i>tert</i> -Butyl methyl(trifluoromethyl) phosphinite, <i>in</i> M-1-00136	26893-72-1	6-Amino-2-pyridinecarboxylic acid; <i>N</i> -Ac, <i>in</i> A-1-00205
24539-82-0	3-Octylamine; (±)-form, <i>N,N</i> -Di-Me, <i>in</i> O-1-00027	26386-83-4	4-Chloro-2-pentanone, C-1-00142	26923-92-2	4-Bromo-1-pentanol; (±)-form, Ac, <i>in</i> B-1-00369
24552-04-3	3-Octylamine, O-1-00027	26429-99-2	3-Cyclohexyl-2-propenoic acid; (<i>E</i>)-form, Me ester, <i>in</i> C-1-00207	26978-40-5	1,2-Diethyl-1,2-diphenyldiphosphine, <i>see</i> D-1-00226
24569-89-9	Tetracyclo[3.3.1.1 ^{3,7} .0 ^{1,3}]decane, T-1-00013	26438-26-6	1-Nonylnaphthalene, N-1-00051	27050-87-9	3-Hydroxy-2,2,4-trimethylpentanal; (±)-form, Oxime, <i>in</i> H-1-00179
24618-80-2	3-Chlorocyclooctene, C-1-00032	26438-27-7	1-Decylnaphthalene, D-1-00012	27312-86-3	4-Methyl-3-cyclohexene-1-carboxaldehyde; (±)-form, Semicarbazone, <i>in</i> M-1-00050
24648-13-3	Dibenzotetrafulvalene, D-1-00129	26438-28-8	1-Dodecyl-naphthalene, D-1-00550	27329-60-8	Diethyl (diphenylmethyl) phosphonate, <i>in</i> D-1-00504
24654-53-3	3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00210	26459-38-1	Trimethylarsine; AsI ₃ complex (1:1), <i>in</i> T-1-00236	27329-62-0	Diisopropyl (diphenylmethyl) phosphonate, <i>in</i> D-1-00504
24666-43-1	4-Bromo-2-methylfuran, B-1-00333	26465-81-6	3,3-Dimethyl-1-indanone, D-1-00421	27354-43-4	2-Pentene-1,5-diol; (<i>Z</i>)-form, <i>in</i> P-1-00023
24679-90-1	2-Deoxy-2-fluoroglucopyranosyl fluoride; α- <i>D</i> -form, Tri-Ac, <i>in</i> D-1-00024	26475-18-3	2,2',3,3',5,5',6,6'-Octafluoro-4,4'-dimethylbiphenyl, O-1-00010	27375-65-1	Dimethyl [(2,2,2-trifluoro-1-hydroxy-1-trifluoromethyl)ethyl] phosphonate, <i>in</i> H-1-00031
24679-92-3	2-Deoxy-2-fluoromannopyranosyl fluoride; β- <i>D</i> -form, Tri-Ac, <i>in</i> D-1-00033	26480-86-4	Methyl iodo(triphenylphosphoranyl)idene acetate, <i>in</i> I-1-00065	27468-37-7	1-Bromo-1-methyl-2,2-diphenylcyclopropane, B-1-00326
24892-78-2	7-Phenylbicyclo[2.2.1]heptane, P-1-00051	26480-87-5	Ethyl iodo(triphenylphosphoranyl)idene acetate, <i>in</i> I-1-00065	27569-65-9	10,11-Dihydro-10,5-(iminomethano)-5 <i>H</i> -dibenzo[<i>a,d</i>]cycloheptene, D-1-00293
24892-79-3	1-Phenylbicyclo[2.2.1]heptane, P-1-00050	26505-63-5	3-Phenylcyclobutanol; (1 <i>RS</i> ,3 <i>SR</i>)-form, 4-Methylbenzenesulfonyl, <i>in</i> P-1-00057	27569-80-8	10,11-Dihydro-10,5-(iminomethano)-5 <i>H</i> -dibenzo[<i>a,d</i>]cycloheptene, <i>see</i> D-1-00293
24921-01-5	3-Bromo-3-deoxyglucose; β- <i>D</i> -Pyranose-form, Me glycoside, 6-benzoyl, <i>in</i> B-1-00253	26505-64-6	3-Phenylcyclobutanol, <i>see</i> P-1-00057	27594-21-4	4,4'-Diethynyldiphenyl sulfide, D-1-00234
25095-57-2	6,7-Dichloro-3,4-dihydro-1(2 <i>H</i>)-naphthalene, D-1-00177	26505-66-8	3-Chlorocyclobutanol; (1 <i>RS</i> ,3 <i>SR</i>)-form, 4-Methylbenzenesulfonyl, <i>in</i> C-1-00029	27643-15-8	1,2,3-Thiadiazole-4-carboxaldehyde, T-1-00107
25186-16-7	<i>P,P</i> -Bis(4-fluorophenyl)- <i>N,N</i> -dipropylphosphinous diamide, <i>in</i> B-1-00167	26505-67-9	3-Chlorocyclobutanol; (1 <i>RS</i> ,3 <i>RS</i>)-form, 4-Methylbenzenesulfonyl, <i>in</i> C-1-00029	27721-59-1	3-Cyclopenten-1-amine, C-1-00216
25186-18-9	<i>N,N</i> -Diethyl- <i>P,P</i> -bis(4-fluorophenyl) phosphinous amide, <i>in</i> B-1-00167	26528-13-2	2-Deoxy-2-iodoxylose; β- <i>D</i> -Furanose-form, Me glycoside, 3-tosyl, 5-Ac, <i>in</i> D-1-00071	27779-47-1	3,5,5-Trimethyl-1,2-dioxolan-3-ol, T-1-00241
25186-20-3	Methyl bis(4-fluorophenyl) phosphinite, <i>in</i> B-1-00167	26528-16-5	3-Deoxy-3-iodoxylose; β- <i>L</i> -Pyranose-form, Me glycoside, 4-benzoyl, <i>in</i> D-1-00072	27798-39-6	3-Bromodiphenylmethane, B-1-00289
25238-71-5	10 <i>H</i> -Phenothiazine-2-acetic acid; Me ester, <i>in</i> P-1-00036	26528-17-6	2-Deoxy-2-iodoarabinose; β- <i>L</i> -Pyranose-form, Me glycoside, 4-benzoyl, <i>in</i> D-1-00049	28004-69-5	<i>N</i> -Benzoyl- <i>N'</i> -formylhydrazine, B-1-00051
25356-95-0	1-(4-Chlorophenyl)-2-propylamine, <i>see</i> C-1-00156	26528-20-1	3-Deoxy-3-iodoxylose; β- <i>L</i> -Pyranose-form, Me glycoside, 4-Ac, <i>in</i> D-1-00072	28046-84-6	1-Bromo-2-methylcyclohexane; (1 <i>RS</i> ,2 <i>SR</i>)-form, <i>in</i> B-1-00323
25362-05-4	Tetramethyl 1,2-ethenediylbisphosphonate, <i>in</i> E-1-00010	26528-21-2	3-Deoxy-3-iodoxylose; β- <i>L</i> -Pyranose-form, Me glycoside, di-Ac, <i>in</i> D-1-00072	28046-85-7	1-Bromo-2-methylcyclohexane; (1 <i>RS</i> ,2 <i>RS</i>)-form, <i>in</i> B-1-00323
25419-36-7	1,2,3,4-Tetrahydro-2,8-dimethylnaphthalene, T-1-00034	26528-25-6	3-Deoxy-3-iodoxylose; β- <i>L</i> -Pyranose-form, Me glycoside, 4-Me, <i>in</i> D-1-00072	28046-88-0	1-Bromo-3-methylcyclohexane; (1 <i>RS</i> ,3 <i>SR</i>)-form, <i>in</i> B-1-00324
25474-01-5	5-Amino-5-deoxyidose; β- <i>L</i> -Furanose-form, 1,2- <i>O</i> -Isopropylidene, 3,5 <i>N</i> ,6-tri-Ac, <i>in</i> A-1-00103	26528-26-7	3-Deoxy-3-iodoxylose; β- <i>L</i> -Pyranose-form, Me glycoside, 4-Me, 2-Ac, <i>in</i> D-1-00072	28046-89-1	1-Bromo-3-methylcyclohexane; (1 <i>RS</i> ,3 <i>RS</i>)-form, <i>in</i> B-1-00324
25552-07-2	α-Hydroxymaltol; 1'-Benzoyl, <i>in</i> H-1-00100	26528-31-4	3-Deoxy-3-iodoxylose; α- <i>L</i> -Pyranose-form, Me glycoside, 4-Ac, <i>in</i> D-1-00072	28046-90-4	1-Bromo-4-methylcyclohexane; (1 <i>RS</i> ,4 <i>SR</i>)-form, <i>in</i> B-1-00325
25628-11-9	1,1,2,2,3,3,4,4,4-Nonafluoro-1-butananesulfonic acid; Ph ester, <i>in</i> N-1-00043	26528-32-5	3-Deoxy-3-iodoxylose; α- <i>L</i> -Pyranose-form, Me glycoside, di-Ac, <i>in</i> D-1-00072	28046-91-5	1-Bromo-4-methylcyclohexane; (1 <i>RS</i> ,4 <i>RS</i>)-form, <i>in</i> B-1-00325
25697-56-7	3-Methylbenzenemethanethiol, M-1-00025	26528-48-3	2-Deoxy-2-iodoarabinose; α- <i>L</i> -Pyranose-form, Me glycoside, 3,4-di-Ac, <i>in</i> D-1-00049	28058-97-1	Cetonal™; (±)-form, <i>in</i> C-1-00008
25697-57-8	3-Chlorobenzenemethanethiol, C-1-00013	26532-12-7	3-Deoxy-3-iodoarabinose; α- <i>D</i> -Furanose-form, Me glycoside, 5-benzoyl, <i>in</i> D-1-00050	28072-59-5	Xylofuranosyl fluoride; β- <i>D</i> -form, Tri-Ac, <i>in</i> X-1-00002
25710-20-7	2,3-Diamino-5-chloropyridine, D-1-00088	26532-15-0	3-Deoxy-3-iodoxylose; β- <i>L</i> -Pyranose-form, Me glycoside, 4-Ac, 2-tosyl, <i>in</i> D-1-00072	28077-74-9	6-Iodo-2-hexyne, I-1-00037
25911-76-6	2-Pteridinol, <i>see</i> P-1-00148	26532-18-3	3-Deoxy-3-iodoxylose; α- <i>L</i> -Pyranose-form, Me glycoside, 4-Ac, 2-tosyl, <i>in</i> D-1-00072	28082-77-1	2-Amino-5-methylpyrazine; 1-Oxide, <i>in</i> A-1-00180
25913-05-7	4-Fluoro-4'-hydroxybenzophenone, F-1-00023	26533-35-7	3-Methyl-4-octanol, M-1-00097	28122-27-2	3,5-Dimethyldiphenylmethane, D-1-00398
25994-02-9	1-Phenyl-1,2-butanedione; 2-Oxime, <i>in</i> P-1-00054			28122-28-3	2,4-Dimethyldiphenylmethane, D-1-00394
26052-05-1	2-(Methylaminomethyl)pyrrole, <i>in</i> A-1-00182			28122-29-4	2,6-Dimethyldiphenylmethane, D-1-00396
26059-40-5	2-(2-Iodophenyl)ethanol, I-1-00055			28240-70-2	1,3-Propanediphosphonous acid; Bis(dichloride), <i>in</i> P-1-00128
26081-03-8	3-Aminohexahydro-2 <i>H</i> -azepin-2-one; (<i>R</i>)-form, Hydrochloride, <i>in</i> A-1-00142			28250-09-1	1,7-Dioxadispiro[2.2.2]decane; (3 <i>RS</i> ,6 <i>RS</i>)-form, <i>in</i> D-1-00489
				28250-28-4	1,7-Dioxadispiro[2.2.2]decane; (3 <i>RS</i> ,6 <i>SR</i>)-form, <i>in</i> D-1-00489
				28288-05-3	Butethrin, B-1-00410
				28346-35-2	BES, <i>in</i> B-1-00293
				28401-56-1	3-Isothiazolecarboxaldehyde; Oxime, (<i>E</i>)-, <i>in</i> I-1-00085

28401-57-2	5-Isothiazolecarboxaldehyde; Oxime, (Z-), in I-1-00087	29373-04-4	2,3-Dihydro-3-methyl-4H-1-benzothiopyran-4-one; (±)-form, S-Oxide, in D-1-00299	30493-04-0	Bicyclo[6.1.0]non-1(8)-en-9-one; 2,4-Dinitrophenylhydrazone, in B-1-00095
28441-49-8	4-Amino-4-deoxyxylose; L-Furanose-form, in A-1-00104	29399-51-7	2,3-Dihydro-8-methyl-4H-1-benzothiopyran-4-one; S-Oxide, in D-1-00303	30589-67-4	6-Bromo-6-deoxymannose; α-D-Pyranose-form, Me glycoside, tri-Ac, in B-1-00262
28449-86-7	11,12,13-Trinor-7-calamenone, T-1-00254	29474-12-2	Cimepanol, C-1-00203	30589-74-3	2-Chloro-2-deoxyarabinose; α-D-Furanose-form, Tri-Ac, in C-1-00039
28593-24-0	6-Chloro[1,2,4]triazolo[4,3-b]pyridazine, C-1-00169	29488-27-5	3-Isopropylthiophene, I-1-00084	30591-78-7	2-Deoxy-2-fluorolxyopyranosyl fluoride; β-D-form, Di-Ac, in D-1-00031
28616-91-3	2',3'-Dideoxyuridine; 5'-Benzoyl, in D-1-00220	29504-81-2	2-Bromo-5-iodothiophene, B-1-00309	30591-79-8	2-Deoxy-2-fluorolxyose; β-D-Pyranose-form, Trifluoromethyl glycoside, di-Ac, in D-1-00032
28642-60-6	6-Chloro-6-deoxyidose; β-L-Furanose-form, 1,2-O-Isopropylidene, 5-benzoyl, 3-tosyl, in C-1-00049	29509-92-0	4-Chloro-6-methyl-2-phenylpyrimidine, C-1-00123	30591-80-1	2-Deoxy-2-fluoroarabinopyranosyl fluoride; β-D-form, Di-Ac, in D-1-00017
28658-13-1	6H-[1]Benzopyrano[4,3-b][1]benzopyrylium(1+); Perchlorate, in B-1-00023	29580-99-2	5-Deoxy-5-iodoxylose; α-D-Furanose-form, 1,2-O-Isopropylidene, 3-benzyl, in D-1-00074	30591-82-3	2-Deoxy-2-fluorolxyopyranosyl fluoride; α-D-form, Di-Ac, in D-1-00039
28689-97-6	2,3,5,10-Tetrahydro-1H-pyrazolo[1,2-b]phthalazine, T-1-00054	29586-27-4	1-Phenylcyclobutanol; 4-Nitrobenzoyl, in P-1-00056	30591-83-4	2-Deoxy-2-fluorolxyose; α-D-Pyranose-form, Trifluoromethyl glycoside, di-Ac, in D-1-00041
28690-02-0	2,3-Dihydro-1H-pyrazolo[1,2-b]phthalazin-5(10H)-one, D-1-00325	29782-82-9	4-Cyclopentene-1,2,3-triol; (1α,2β,3α)-form, in C-1-00217	30611-17-7	6-Undecyn-5-one, U-1-00006
28690-03-1	2,3-Dihydro-1H-pyrazolo[1,2-b]phthalazin-5(10H)-one; Picrate, in D-1-00325	29782-84-1	4-Cyclopentene-1,2,3-triol; (1α,2α,3α)-form, in C-1-00217	30755-41-0	2,3-Dihydro-2,3-dioxo-1H-indole-5-sulfonic acid, see D-1-00274
28795-95-1	Octahydro-4a,8a-naphthalenediol, see O-1-00015	29788-85-0	2,4-Diamino-2,4-dideoxyidose; α-D-Pyranose-form, Me glycoside, 2N,3,4N,6-tetra-Ac, in D-1-00097	30761-64-9	10-Amino-10,11-dihydro-5H-dibenz[b,f]azepine, A-1-00118
28833-72-9	4-Benzoylbenzenesulfonic acid; Amide, in B-1-00042	29788-86-1	2,4-Diamino-2,4-dideoxyidose; α-D-Pyranose-form, Me glycoside, 2N,4N-di-Ac, in D-1-00097	30894-84-9	2-Chloro-4,6-dimethyl-1,3,5-triazine, C-1-00087
28867-48-3	2-Deoxy-2-fluorolxyose; β-D-Furanose-form, Me glycoside, 5-benzyl, in D-1-00041	29788-90-7	2,3,4-Triamino-2,3,4,6-tetradeoxymannose; α-L-Pyranose-form, Me glycoside, 2N,3N,4N-tri-Ac, in T-1-00138	31181-70-1	2-(Hydroxymethyl)-3-pyridinecarboxylic acid; Ac, Et ester, in H-1-00131
28867-49-4	2-Deoxy-2-fluorolxyose; β-D-Furanose-form, Me glycoside, in D-1-00041	29841-00-7	1,1,2-Trichlorocyclohexane; (±)-form, in T-1-00158	31199-03-8	1,1-Dimethoxy-3-pentanone, in O-1-00050
28867-50-7	2-Deoxy-2-fluorolxyose; D-form, in D-1-00041	29873-56-1	5-Deoxy-5-iodoxylose; α-D-Furanose-form, 1,2-O-Isopropylidene, 3-tosyl, in D-1-00074	31294-94-7	1-Iodo-2-methylpentane, I-1-00042
28867-51-8	2-Deoxy-2-fluorolxyose; β-D-Furanose-form, Me glycoside, 3-benzoyl, 5-benzyl, in D-1-00041	29884-71-7	6-Bromo-6-deoxyidose; α-D-Pyranose-form, Tetra-Ac, in B-1-00256	31301-31-2	1,10-Phenanthroline-4,7-dicarboxylic acid, P-1-00035
28876-43-9	2-Deoxy-2-fluorogalactopyranosyl fluoride; α-D-form, Tri-Ac, in D-1-00022	29897-82-3	Pyrrolidine; N-Benzyl, in P-1-00184	31443-08-0	2,2,4,4-Tetramethyl-1,3-dithietane, T-1-00081
28908-13-6	[2.2]Paracyclophane-4-carboxylic acid; (R)-form, Amide, in P-1-00003	29907-26-4	Altopyranosyl bromide; α-D-form, Tetra-Ac, in A-1-00048	31491-42-6	2-Chloro-3-furancarboxaldehyde, C-1-00098
28908-14-7	[2.2]Paracyclophane-4-carboxylic acid; (±)-form, Amide, in P-1-00003	29953-18-2	2,5-Bis(2-furanylmethyl)furan, B-1-00172	31505-09-6	3-Deoxy-3-fluoroglucopyranosyl fluoride; α-D-form, Tri-Ac, in D-1-00025
28914-19-4	1,20-Nonacosadiene, N-1-00040	29973-49-7	4-Amino-4-deoxyarabinose, see A-1-00100	31505-10-9	3-Deoxy-3-fluoroglucopyranosyl fluoride; β-D-form, Tri-Ac, in D-1-00025
28932-22-1	2,3-Dihydro-1,4,5,8-tetrahydroxyanthraquinone, see D-1-00330	30087-31-1	9-Oxo-9H-xanthen-2-acetic acid, O-1-00057	31505-11-0	3-Deoxy-3-fluorolxyopyranosyl fluoride; β-D-form, Di-Ac, in D-1-00040
28957-33-7	3-Aminohexahydro-2H-azepin-2-one; (R)-form, in A-1-00142	30087-35-5	2-(Cyanomethyl)xanthenone, in O-1-00057	31536-38-6	3-Acetyl-2-pyrrolidinone, A-1-00034
29030-57-7	N-(4-Cyclohexylphenyl)acetamide, in C-1-00200	30113-83-8	7-Hydroxy-4-oxo-4H-1-benzopyran-2-carboxylic acid, H-1-00159	31563-05-0	(4-Morpholinyl)phenylphosphinic acid; Morpholine salt, in M-1-00137
29069-93-0	2-Deoxy-2-fluoroglucopyranosyl fluoride; β-D-form, Tri-Ac, in D-1-00024	30159-70-7	3-Hydroxy-2-naphthalenemethanol, H-1-00153	31617-35-3	10-Octacosanone, O-1-00003
29079-00-3	4-Ethynyl-1,1'-biphenyl, E-1-00036	30248-92-1	2,3-Dimethyl-1-indanone, see D-1-00416	31681-28-4	2-(2-Furanyl)-3-methyl-2-butenal, F-1-00074
29209-98-1	2-Deoxy-2-fluoromannopyranosyl fluoride; α-D-form, Tri-Ac, in D-1-00033	30272-59-4	2,3-Dimethyl-1-indanone, see D-1-00416	31681-29-5	2-(2-Furanyl)-3-methyl-2-butenal; Semicarbazone, in F-1-00074
29212-69-9	3-Aminofuran, A-1-00139	30273-62-2	3',4',5'-Trimethoxycinnamyl alcohol, in T-1-00233	31698-52-9	1,1-Dimethyl-2,2-diphenyldiphosphine; 1,2-Disulfide, in D-1-00390
29217-60-5	2-Chloro-2-deoxyxylose; β-D-Pyranose-form, Me glycoside, in C-1-00050	30273-66-6	3-(3,4,5-Trihydroxyphenyl)-2-propen-1-ol; (Z)-form, 3',4',5'-Tri-Me ether, in T-1-00233	31718-80-6	5-Amino-5-deoxyallose; α-D-Furanose-form, 1,2-O-Isopropylidene, 3,5N-dibenzoyl, 6-trityl, in A-1-00098
29217-61-6	2-Chloro-2-deoxyxylose; α-D-Pyranose-form, in C-1-00050	30276-77-8	3-(3,4,5-Trihydroxyphenyl)-2-propen-1-ol, see T-1-00233	31718-81-7	5-Amino-5-deoxyallose; α-D-Furanose-form, 1,2-O-Isopropylidene, 3,5N-dibenzoyl, in A-1-00098
29217-63-8	2-Chloro-2-deoxyxylose; β-D-Pyranose-form, Me glycoside, in C-1-00059	30276-78-9	4-Cyclopentene-1,2,3-triol; (1α,2α,3β)-form, in C-1-00217	31729-66-5	1-Phenylcyclopropanemethanol, P-1-00062
29217-64-9	2-Chloro-2-deoxyxylose; D-Pyranose-form, in C-1-00059	30276-78-9	4-Cyclopentene-1,2,3-triol; (1α,2α,3β)-form, Tribenzoyl, in C-1-00217	31793-29-0	4-Amino-3,5-dinitropyridine, A-1-00132
29333-41-3	3,5-Bis(bromomethyl)benzoic acid; Me ester, in B-1-00130	30381-63-6	S,S-Dimethyl (4-nitrophenyl)phosphonodithioate, in N-1-00029	31898-69-8	4-(Phenylthio)-2-azetidinone, P-1-00111
29338-20-3	2,2'-Dihydroxybibenzyl, D-1-00338	30381-64-7	S,S-Diethyl (4-nitrophenyl)phosphonodithioate, in N-1-00029	31899-01-1	4-(Phenylthio)-2-azetidinone, see P-1-00111
29373-02-2	2,3-Dihydro-8-methyl-4H-1-benzothiopyran-4-one, D-1-00303	30381-65-8	S,S-Dipropyl (4-nitrophenyl)phosphonodithioate, in N-1-00029	31928-48-0	1-Chloro-2,4-diiodobenzene, C-1-00082
		30390-50-2	4-Decenal, D-1-00010		
		30493-03-9	Bicyclo[6.1.0]non-1(8)-en-9-one, B-1-00095		

32047-53-3	1-Amino-2-methyl-2-propanethiol; Hydrochloride, in A-1-00178	33034-50-3	3-Amino-3-deoxymannose; α -D-Pyranose-form, 1,2,3 <i>N</i> ,4,6-Penta-Ac, in A-1-00106	34367-67-4	3-Phenyl-2,5-pyrrolidinedione, see P-1-00096
32180-75-9	<i>N</i> -[4-[2,4-Bis(1,1-dimethylpropyl)phenoxy]butyl]-1-hydroxy-2-naphthalenecarboxamide, B-1-00154	33050-15-6	3,4-Dihydro-1 <i>H</i> -2,3-benzothiazine; <i>N</i> -Et, <i>S,S</i> -dioxide, in D-1-00261	34388-74-4	2,4-Diamino-2,4,6-trideoxyidose; α -L-Pyranose-form, Me glycoside, 2 <i>N</i> ,3,4 <i>N</i> -tri-Ac, in D-1-00110
32186-91-7	Di-1-naphthalenylphosphonous acid; Bromide, in D-1-00475	33089-15-5	4-Chloro-5-cyano-2-(methylthio)pyrimidine, in C-1-00115	34414-28-3	4-Chloro-2-buten-1-ol; (<i>E</i>)-form, Ac, in C-1-00028
32212-98-9	[2.2]Paracyclophane-1-carboxylic acid; (\pm)-form, Me ester, in P-1-00002	33090-29-8	4,4'-Dibenzoylbiphenyl, D-1-00131	34490-97-6	3-Isothiazolecarboxaldehyde, I-1-00085
32212-99-0	[2.2]Paracyclophane-1-carboxylic acid; (+)-form, in P-1-00002	33148-62-8	2-Acetyl-4-bromothiophene; Semicarbazone, in A-1-00019	34506-36-0	3,3'-Oxybis[2,2-dimethylpropanoic acid]; Di-Et ester, in O-1-00059
32213-00-6	[2.2]Paracyclophane-1-carboxylic acid; (+)-form, Me ester, in P-1-00002	33183-87-8	3,4-Dihydro-1 <i>H</i> -2,3-benzothiazine; <i>S,S</i> -Dioxide, in D-1-00261	34563-73-0	Feniodium chloride, in B-1-00145
32221-47-9	[2.2]Paracyclophane-1-carboxylic acid; (-)-form, in P-1-00002	33208-38-7	5-Deoxy-5-iodoribose; β -D-Furanose-form, Me glycoside, 2,3- <i>O</i> -benzylidene, in D-1-00066	34623-31-9	6,7-Dichloro-3,4-dihydro-1(2 <i>H</i>)-naphthalenone; Oxime, in D-1-00177
32251-82-4	3(5)-Benzyl-1 <i>H</i> -pyrazole, B-1-00072	33328-29-9	2-(2-Propenyl)quinoline, P-1-00140	34626-51-2	5-Bromo-1-pentanol, B-1-00371
32251-83-5	3(5)-Benzyl-1 <i>H</i> -pyrazole; Picrate, in B-1-00072	33333-57-2	3-(2-Thienyl)-1 <i>H</i> -indole, T-1-00131	34641-44-6	6,7-Dichloro-3,4-dihydro-1(2 <i>H</i>)-naphthalenone, see D-1-00177
32294-58-9	Di-1-naphthalenyl ditelluride, D-1-00474	33414-62-9	2-(Cyanomethyl)tetrahydrofuran, in T-1-00036	34668-47-8	9-Azabicyclo[3.3.1]nona-2,6-diene; <i>N</i> -Me, in A-1-00240
32364-72-0	[2,2'-Bithiophene]-5,5'-dicarboxaldehyde, B-1-00218	33418-05-2	1,2-Dimethyl-1,2-bis(trifluoromethyl)diphosphine, see D-1-00377	34668-51-4	9-Azabicyclo[3.3.1]nona-2,6-diene, A-1-00240
32395-30-5	(4-Chlorophenyl)phenylphosphinic acid; Chloride, in C-1-00154	33418-06-3	1,2-Dimethyl-1,2-bis(trifluoromethyl)diphosphine, see D-1-00377	34668-52-5	9-Azabicyclo[3.3.1]nona-2,6-diene; Hydrochloride, in A-1-00240
32399-58-9	2,12-Dimethylcyclododecanone, D-1-00382	33475-85-3	Diethyl (3-nitropropyl)phosphonate, in N-1-00033	34668-55-8	9-Azabicyclo[3.3.1]nona-2,6-diene; <i>N</i> -Benzenesulfonyl, in A-1-00240
32400-09-2	1-Methyl-1-cyclododecanol, M-1-00045	33522-29-1	5-Phenyl-1,4-naphthoquinone, P-1-00083	34668-91-2	9-Azabicyclo[3.3.1]nona-2,6-diene; <i>N</i> -Formyl, in A-1-00240
32468-22-7	Butethrin, see B-1-00410	33557-16-3	4-Deoxy-4-fluoroglucopyranosyl fluoride; α -D-form, Tri-Ac, in D-1-00026	34722-01-5	3-Butylthiophene, B-1-00436
32587-58-9	Methyl 3-deoxy-3-fluoro- α -D-gulopyranoside, in D-1-00029	33557-17-4	4-Deoxy-4-fluoroglucopyranosyl fluoride; β -D-form, Tri-Ac, in D-1-00026	34723-82-5	2-(Bromomethyl)tetrahydro-2 <i>H</i> -pyran, B-1-00345
32658-92-7	Rhamnofuranosyl chloride; α -L-form, 2,3- <i>O</i> -Isopropylidene, 5-tosyl, in R-1-00001	33557-18-5	2-Deoxy-2-fluororibopyranosyl fluoride; α -D-form, Di-Ac, in D-1-00035	34730-20-6	2-Acetyl-4-chlorothiophene, A-1-00025
32707-89-4	3,5-Bis(trifluoromethyl)benzenemethanol, B-1-00210	33566-59-5	4-Oxododecanoic acid; Me ester, in O-1-00044	34737-70-7	1,2-Bis(2-methylphenyl)-1,2-ethanediol; (1 <i>RS</i> ,2 <i>SR</i>)-form, in B-1-00188
32780-79-3	1-Iodo-1-phenylpropene; (<i>Z</i>)-form, in I-1-00058	33648-40-7	Butethrin, see B-1-00410	34782-46-2	1,1-Bis(phenylsulfonyl)cyclopropane, B-1-00198
32780-80-6	1-Iodo-1-phenylpropene; (<i>E</i>)-form, in I-1-00058	33648-41-8	Butethrin, see B-1-00410	34790-24-4	2-Hydroxy-4-methylquinazoline, H-1-00141
32782-46-0	Nitrofurilen; (<i>E</i>)-form, in N-1-00017	33693-77-5	2-Bromo-3,3-dimethyl-1-butene, B-1-00282	34916-57-9	Bicyclo[4.1.0]heptane-7,7-dicarboxylic acid; Di-Me ester, in B-1-00083
32785-40-3	2-Chloro-4-methyl-6-phenylpyrimidine, C-1-00121	33733-00-5	6-Bromo-4,4-diphenyl-2-cyclohexen-1-one, B-1-00284	34941-14-5	2-Amino-3,4,5,6-tetrafluorobenzoic acid; Et ester, in A-1-00208
32785-87-8	1-Chloro-1-deoxysorbose; α -L-Furanose-form, 2,3,4,6-Di- <i>O</i> -Isopropylidene, in C-1-00056	33823-06-2	Allofuranosyl chloride; <i>D</i> -form, 2,3,5,6-Di- <i>O</i> -isopropylidene, in A-1-00046	34958-43-5	2,6-Dimethyl-1,4-cyclohexanedione; (2 <i>RS</i> ,6 <i>SR</i>)-form, in D-1-00385
32785-88-9	1-Chloro-1-deoxysorbose; α -L-Furanose-form, 2,3- <i>O</i> -Isopropylidene, in C-1-00056	33875-63-7	1,3-Bis(bromomethyl)-2-cyanobenzene, in B-1-00128	35005-81-3	6-(Hydroxymethyl)-3-pyridinecarboxylic acid; Et ester, in H-1-00140
32785-89-0	1-Chloro-1-deoxysorbose; <i>L</i> -form, in C-1-00056	33933-77-6	7-Methyl-4-octanol, M-1-00099	35005-95-9	4-Cyano-1-methylisoquinoline, in M-1-00079
32785-90-3	1-Chloro-1-deoxyfructose; β -D-Pyranose-form, 2,3,4,5-Di- <i>O</i> -isopropylidene, in C-1-00042	33974-71-9	1,1-Bis(trifluoromethyl)diphosphine, B-1-00211	35019-85-3	2,4-Dimethyl-5-thiazolecarboxylic acid, see D-1-00469
32785-93-6	1-Chloro-1-deoxyfructose; <i>D</i> -form, in C-1-00042	33983-50-5	2-Deoxy-2-fluorolixose; <i>D</i> -Pyranose-form, in D-1-00032	35022-09-4	2-Phenylthieno[3,2- <i>b</i>]thiophene, P-1-00109
32785-97-0	3-Chloro-3-deoxyidose; β -D-Furanose-form, 1,2,5,6-Di- <i>O</i> -isopropylidene, in C-1-00047	33999-40-5	6-Bromo-6-deoxyidose; β -L-Furanose-form, 1,2- <i>O</i> -Isopropylidene, 5-benzoyl, in B-1-00256	35022-10-7	2-Phenylthieno[2,3- <i>b</i>]thiophene, P-1-00107
32795-21-4	3-Amino-3-deoxymannose; α -D-Pyranose-form, <i>N</i> -Benzoyl, 1,2,4,6-tetra-Ac, in A-1-00106	34010-38-3	6-Bromo-6-deoxyidose; β -L-Furanose-form, 1,2- <i>O</i> -Isopropylidene, 5-benzoyl, 3-Ac, in B-1-00256	35022-13-0	3-Phenylthieno[2,3- <i>b</i>]thiophene, P-1-00108
32795-22-5	3-Amino-3-deoxymannose; α -D-Pyranose-form, Hydrochloride, in A-1-00106	34050-69-6	2-Deoxy-2-fluorolixopyranosyl fluoride; β -D-form, in D-1-00031	35022-15-2	3-Phenylthieno[3,2- <i>b</i>]thiophene, P-1-00110
32795-23-6	3-Amino-3-deoxymannose; α -D-Pyranose-form, 1,3 <i>N</i> ,4,6-Tetra-Ac, in A-1-00106	34106-48-4	Bis(2,4-dichlorophenyl)iodonium (1+), see B-1-00145	35079-24-4	2-Iodo-1,4-naphthoquinone, I-1-00046
32803-85-3	4-Octene-2,6-diyne, O-1-00026	34135-99-4	3-Ethyl-2,4-pentanedione, see E-1-00020	35088-66-5	1-Bromo-2-(phenylthio)ethene, B-1-00383
32812-23-0	2,2-Dimethyl-1,4-butanediol, D-1-00378	34169-22-7	1,2-Ethenediylbisphosphonic acid; (<i>E</i>)-form, in E-1-00010	35092-57-0	1-Aminobicyclo[2.2.1]hept-2-ene; (1 <i>RS</i> ,7 <i>RS</i>)-form, Hydrochloride, in A-1-00063
32857-62-8	4-(Trifluoromethyl)benzeneacetic acid, T-1-00192	34211-52-4	3,8-Dihydroxy-1,2-dimethylxanthone, in T-1-00060	35167-28-3	(Phenylseleno)ethylene, P-1-00099
32928-33-9	5,5'-Methylenebis-2-thiophenecarboxaldehyde, M-1-00063	34238-14-7	1,1-Dinitroethylene, D-1-00486	35192-73-5	1-Nonen-4-ol, N-1-00049
33034-49-0	3-Amino-3-deoxymannose; α -D-Pyranose-form, 1,2,4,6-Tetra-Ac, in A-1-00106	34271-30-2	2-Phenylcyclopropanecarboxaldehyde; (1 <i>RS</i> ,2 <i>SR</i>)-form, in P-1-00061	35196-99-7	3-Methylazetidine, M-1-00023
			2-Phenylcyclopropanecarboxaldehyde; (1 <i>RS</i> ,2 <i>RS</i>)-form, in P-1-00061	35272-87-8	3-Methyl-2-penten-4-yn-1-ol; (<i>Z</i>)-form, Ac, in M-1-00100
			2-(2-Nitrovinyl)thiophene; (<i>E</i>)-form, in N-1-00039	35272-88-9	3-Methyl-2-penten-4-yn-1-ol; (<i>E</i>)-form, Ac, in M-1-00100
				35309-35-4	5-Oxo-3-pyrrolidinecarboxylic acid; (\pm)-form, Me ester, in O-1-00054
				35322-82-8	3,4-Dimethyl-1-indanone, D-1-00422
				35404-50-3	Cyclocreatine, C-1-00190
				35418-55-4	Colfosceril palmitate, see G-1-00006

35520-87-7	3-Deoxy-3-fluoroidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, in D-1-00030	36402-58-1	2,2,6,6-Tetramethyl-3,5-heptanediol; (3 <i>RS</i> ,5 <i>RS</i>)- <i>form</i> , in T-1-00082	38312-27-5	1,2-Cycloheptanedicarboxylic acid; (1 <i>RS</i> ,2 <i>SR</i>)- <i>form</i> , Di-Me ester, in C-1-00192
35520-88-8	3-Deoxy-3-fluoroidose; <i>L-form</i> , in D-1-00030	36436-65-4	2'-Hydroxy-4',5'-dimethylacetophenone, H-1-00079	38312-28-6	1,2-Cycloheptanedicarboxylic acid; (1 <i>RS</i> ,2 <i>RS</i>)- <i>form</i> , Di-Me ester, in C-1-00192
35521-30-3	3-Deoxy-3-fluoroidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 6-benzoyl, in D-1-00030	36566-80-0	2-Methyl-3-hexyne, M-1-00072	38380-55-1	8-Iodo-1-octene, I-1-00050
35526-12-6	2-Deoxy-2-fluorotalose; β -D-Pyranose- <i>form</i> , Trifluoromethyl glycoside, tri-Ac, in D-1-00037	36597-16-7	2-Amino-3-cyanoquinoxaline, in A-1-00207	38399-19-8	3-Bromo-2-naphthalenemethanol, B-1-00351
35526-13-7	2-Deoxy-2-fluorotalopyranosyl fluoride; β -D- <i>form</i> , Tri-Ac, in D-1-00036	36635-33-3	6-Methyl-3-cyclohexene-1-carboxaldehyde; (1 <i>RS</i> ,6 <i>RS</i>)- <i>form</i> , in M-1-00051	38436-14-5	6-Bromo-1,1,1,2,2,3,3,4,4-nonafluorohexane, B-1-00356
35570-68-4	6-Chlorooxazolo[4,5- <i>b</i>]pyridin-2(3 <i>H</i>)-one, C-1-00136	36663-35-1	5-Bromo-5-deoxyxylose; DL- <i>form</i> , in B-1-00260	38585-74-9	5-Thiazolemethanol, T-1-00113
35577-92-5	4-Phenyl-1 <i>H</i> -indole, P-1-00075	36663-36-2	5-Bromo-5-deoxyxylose; DL- <i>form</i> , in B-1-00273	38624-29-2	Dihydro-5-isopropyl-2(3 <i>H</i>)-furanone, D-1-00296
35590-98-8	3-Methyl-6-phenyl-2,5-piperazinedione, <i>see</i> M-1-00108	36892-72-5	<i>P</i> -[2-(Diphenylphosphino)ethyl]- <i>N,N,N',N'</i> -tetramethylphosphonous diamide, D-1-00510	38711-36-3	1,6-Anhydro-3-deoxy-3-fluoroaltropyranose; D- <i>form</i> , in A-1-00230
35590-99-9	3-Methyl-6-phenyl-2,5-piperazinedione; (3 <i>R</i> ,6 <i>S</i>)- <i>form</i> , in M-1-00108	36913-91-4	1,1,2,2,3,3,4,4,4-Nonafluoro-1-butanedisulfonic acid; Anhydride, in N-1-00043	38764-30-6	1,3-Di- <i>tert</i> -butyl-5-fluorobenzene, D-1-00171
35657-16-0	1-Chloro-3-[(methylthio)methyl]benzene, in C-1-00013	36950-96-6	2-(2-Fluorenyl)propanoic acid, F-1-00006	38786-78-6	Tetrahydro-2 <i>H</i> -pyran-2-acetic acid, <i>see</i> T-1-00051
35664-67-6	3-Hydroxy-4-biphenylcarboxaldehyde, H-1-00066	37073-85-1	3-Amino-3-deoxygalactose; α -D-Pyranose- <i>form</i> , Me glycoside, hydrochloride, in A-1-00102	38791-46-7	Xylopyranosyl fluoride; α -D- <i>form</i> , 2-Me, 3,4-dibenzoyl, in X-1-00003
35688-95-0	8-Hydroxy-1-naphthalenemethanol; Di-Ac, in H-1-00155	37143-56-9	1-Chloro-2-propylamine, C-1-00157	38791-47-8	Xylopyranosyl fluoride; β -D- <i>form</i> , 2-Me, 3,4-dibenzoyl, in X-1-00003
35689-24-8	8-Hydroxy-1-naphthalenemethanol; 1'-Ac, in H-1-00155	37172-02-4	Dihydro ambrate, in M-1-00126	38791-48-9	Xylofuranosyl fluoride; α -D- <i>form</i> , 2-Me, 3,5-dibenzoyl, in X-1-00002
35717-24-9	3-Acetyl-4-bromothiophene, A-1-00020	37172-03-5	2-(1-Methylpropyl)-1-vinylcyclohexanol, M-1-00126	38791-49-0	Xylofuranosyl fluoride; β -D- <i>form</i> , 2-Me, 3,5-dibenzoyl, in X-1-00002
35775-00-9	2-Deoxy-2-iodoaltrose; α -D-Pyranose- <i>form</i> , Me glycoside, 3,4- <i>O</i> -benzylidene, in C-1-00046	37435-80-6	3-Hydroxycyclopentaneacetic acid; (1 <i>RS</i> ,3 <i>SR</i>)- <i>form</i> , Me ester, in H-1-00075	38837-18-2	Xylofuranosyl bromide; α -D- <i>form</i> , Tribenzoyl, in X-1-00001
35775-02-1	2-Chloro-2-deoxyallose; α -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, in C-1-00035	37514-30-0	1-Methoxy-1-methylcyclododecane, in M-1-00045	38837-19-3	Xylofuranosyl bromide; β -D- <i>form</i> , Tribenzoyl, in X-1-00001
35775-03-2	2-Chloro-2-deoxyallose; α -D-Pyranose- <i>form</i> , Me glycoside, 3,4- <i>O</i> -benzylidene (<i>R</i> -), in C-1-00035	37624-10-5	3,4-Dihydroacridine, D-1-00257	38838-05-0	5-Bromo-5-deoxyribose; β -D-Furanose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, in B-1-00265
35775-04-3	2-Deoxy-2-iodoaltrose; α -D-Pyranose- <i>form</i> , Me glycoside, 3,4- <i>O</i> -benzylidene (<i>S</i> -), in D-1-00046	37669-68-4	3-Chloro-4-(dimethylamino)-3-cyclobutene-1,2-dione, in A-1-00074	38838-06-1	5-Deoxy-5-iodoribose; β -D-Furanose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, in D-1-00066
35810-91-4	3,6-Anhydro-5-deoxy-5-iodoidofuranose; β -L- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, in A-1-00233	37678-61-8	4,5-Dimethyl-1-indanone, D-1-00425	38838-07-2	5-Chloro-5-deoxyribose; β -D-Furanose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, in C-1-00055
35840-91-6	2-Benzylpyrrolidine, B-1-00076	37699-08-4	Methyl 4-amino-4,6-dideoxy- α -D-allopyranoside, in A-1-00114	38838-12-9	Mannofuranosyl bromide; α -D- <i>form</i> , 2,3,5,6-Di- <i>O</i> -isopropylidene, in M-1-00001
35900-26-6	Ferrugineone, M-1-00095	37741-55-2	(2-Methylphenyl)butanedioic acid; (\pm)- <i>form</i> , Di-Me ester, in M-1-00102	38875-88-6	6-Hydroxy-2-hexenoic acid; (<i>E</i>)- <i>form</i> , in H-1-00097
35941-99-2	4-Amino-4,6-dideoxyallose; β -D-Pyranose- <i>form</i> , Me glycoside, <i>N</i> -Ac, in A-1-00114	37773-02-7	Diisopropyl selenide, D-1-00366	38938-33-9	Methyl (4-morpholinyl)phenylphosphinate, in M-1-00137
35942-00-8	Methyl 4-amino-4,6-dideoxy- β -D-allopyranoside, in A-1-00114	37868-26-1	2-Indaneacetic acid, I-1-00011	38945-65-2	1-Undecen-5-one, U-1-00003
35966-16-6	8-Chloro-4-hydroxy-3-quinolinecarboxylic acid, C-1-00111	37891-05-7	2,3-Dihydro-2-thioxopyrido[3,2- <i>d</i>]pyrimidin-4(1 <i>H</i>)-one, D-1-00333	39033-48-2	4-(4-Biphenyloxy)benzoic acid; Chloride, in B-1-00114
35967-07-8	1,4-Dimethylisoquinoline; <i>N</i> -Oxide, in D-1-00433	37916-74-8	Dimethyl (2-ethoxyethenyl)phosphonite, in E-1-00011	39068-33-2	3-(Methylthio)-4 <i>H</i> -1-benzopyran-4-one, in M-1-00007
35970-06-0	Isoindolo[1,2- <i>b</i>]quinazolin-12(10 <i>H</i>)-one, I-1-00069	37916-75-9	Diethyl (2-ethoxyethenyl)phosphonite, in E-1-00011	39111-57-4	Praxadine, <i>see</i> P-1-00154
35973-14-9	6-Chloro-4-hydroxy-3-quinolinecarboxylic acid, C-1-00109	37916-80-6	Diethyl (2-phenoxyethenyl)phosphonite, in P-1-00039	39112-88-4	3-Amino-6-hydroxy-2,4-dimethylpyridine, A-1-00144
35975-71-4	8-Chloro-4-hydroxy-3-quinolinecarboxylic acid, <i>see</i> C-1-00111	37977-49-4	1-Acenaphthenemethanol, A-1-00002	39116-21-7	5-Amino-2-furanocarboxaldehyde, A-1-00141
36042-99-6	Di-1-naphthalenylphosphonous acid; Chloride, in D-1-00475	37985-14-1	4-(4-Phenyl-1,3-butadienyl)benzotrinitrile, in P-1-00053	39155-38-9	4-Methyl-3-cyclohexene-1-methanol, M-1-00054
36099-25-9	4-Oxiranylbenzoic acid; (\pm)- <i>form</i> , Me ester, in O-1-00037	38080-06-7	Diethyl 2,2'-(phenylphosphinidene)bisacetate, in P-1-00092	39163-61-6	6-Methyl-3-cyclohexene-1-carboxaldehyde; (1 <i>RS</i> ,6 <i>RS</i>)- <i>form</i> , Semicarbazone, in M-1-00051
36144-11-3	Octahydro-4 <i>a</i> (2 <i>H</i>)-naphthalenol, <i>see</i> O-1-00016	38084-00-3	1-Deoxy-1-iodosorbose; α -L-Furanose- <i>form</i> , 2,3,4,5-Di- <i>O</i> -isopropylidene, in D-1-00067	39217-08-8	3,4-Diamino-2-chloropyridine, D-1-00091
36230-99-6	2,3-Dimethyl-1-indanone, D-1-00416	38084-03-6	1-Iodo-1-deoxyfructose; β -D-Pyranose- <i>form</i> , 2,3,4,5-Di- <i>O</i> -isopropylidene, in I-1-00031	39319-38-5	1 <i>H</i> -Pyrrole-2-propanoic acid, <i>see</i> P-1-00182
36264-19-4	Benzotrithiole; 2-Oxide, in B-1-00038	38084-06-9	6-Deoxy-6-iodopsicose; β -D-Furanose- <i>form</i> , 1,2,3,4-Di- <i>O</i> -isopropylidene, in D-1-00063	39491-65-1	1,3-Octadiene; (<i>E</i>)- <i>form</i> , in O-1-00006
36265-44-8	(4-Methylphenyl)butanedioic acid; (\pm)- <i>form</i> , Di-Me ester, in M-1-00103	38084-09-2	1-Deoxy-1-iodosorbose; α -L-Furanose- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, in D-1-00067	39560-32-2	4-(4-Hydroxyphenyl)-4-oxobutanoic acid; Me ester, in H-1-00171
36402-57-0	2,2,6,6-Tetramethyl-3,5-heptanediol; (3 <i>RS</i> ,5 <i>SR</i>)- <i>form</i> , in T-1-00082	38093-84-4	Cyanodithioformic acid, C-1-00181	39593-72-1	Dimethyl (10-phenoxazinecarbonyl)phosphonate, in P-1-00038
		38102-34-0	Bicyclo[3.1.1]heptan-2-ol, B-1-00086	39593-73-2	Diethyl (10-phenoxazinecarbonyl)phosphonate, in P-1-00038
		38170-37-5	Cholamine, C-1-00174	39593-74-3	Dipropyl (10-phenoxazinecarbonyl)phosphonate, in P-1-00038
		38215-36-0	3-(2-Benzothiazolyl)-7-(diethylamino)-2 <i>H</i> -1-benzopyran-2-one, B-1-00029	39593-75-4	Diisopropyl (10-phenoxazinecarbonyl)phosphonate, in P-1-00038
		38275-39-7	4-Chloro-2-mercapto-5-pyrimidinecarboxylic acid; <i>S</i> -Me, Me ester, in C-1-00115		

39593-77-6	Dimethyl (10-phenothiazinecarbonyl) phosphonate, <i>in</i> P-1-00037	40205-81-0	Hexakis(chloromethyl)benzene, H-1-00047	41951-40-0	<i>N</i> -(1 <i>H</i> -Imidazol-1-ylmethyl) benzamide, <i>in</i> A-1-00171
39593-78-7	Diethyl (10-phenothiazinecarbonyl) phosphonate, <i>in</i> P-1-00037	40335-02-2	2,3,4-Trichloroquinoline, T-1-00164	41969-01-1	4-Cyano-1-phenylisoquinoline, <i>in</i> P-1-00079
39607-90-4	3-Chloro-5 <i>H</i> -dibenz[<i>b,f</i>]azepine, C-1-00064	40341-23-9	2-Amino-3-thiophenecarboxaldehyde, A-1-00217	41995-26-0	Isocyanooctic acid; Benzyl ester, <i>in</i> I-1-00067
39622-49-6	3-Methylaceneaphthene, M-1-00017	40391-99-9	▶ Pamidronic acid, A-1-00149	42023-59-6	2-Butyl-2-ethyl-5-methyl-4-hexenal, B-1-00421
39647-93-3	1-Iodo-1-octen-3-ol; (<i>S</i>)-(<i>E</i>)-form, <i>in</i> I-1-00051	40420-22-2	3-Oxoheptanedioic acid; Diethyl ester, <i>in</i> O-1-00045	42031-16-3	1,1,1,3,3,3-Hexafluoro-2-methyl-2-propanol; Trifluoroacetyl, <i>in</i> H-1-00032
39654-12-1	1,1-Dimethyl-2,2-diphenyldiphosphine, D-1-00390	40483-47-4	3-Amino-5-methyl-1,2,4-oxadiazole, A-1-00174	42070-95-1	2,2-Dimethyl-1-phenyl-1-propylamine; (\pm)-form, <i>in</i> D-1-00463
39687-95-1	Isocyanooctic acid; Me ester, <i>in</i> I-1-00067	40507-55-9	3-Thiocyanatothiophene, T-1-00133	42071-02-3	2,2-Dimethyl-1-phenyl-1-propylamine; (\pm)-form, <i>N</i> -Formyl, <i>in</i> D-1-00463
39698-24-3	Galactofuranosyl bromide; β -D-form, Tetra-Ac, <i>in</i> G-1-00001	40559-69-1	3-Oxopentanal; Enol-form, <i>in</i> O-1-00050	42071-11-4	2,2-Dimethyl-1-phenyl-1-propylamine; (\pm)-form, <i>N</i> -Me, <i>in</i> D-1-00463
39718-00-8	2-Chlorobenzeneethanethiol, C-1-00012	40594-34-1	4-Aminocyclohexanone; <i>N,N</i> -Di-Me, <i>in</i> A-1-00092	42142-52-9	3-Amino-1-phenyl-1-propanol, <i>see</i> A-1-00199
39745-40-9	3-Amino-2-chloro-6-methylpyridine, A-1-00080	40632-82-4	(3,3-Dimethyl-1-butynyl)phosphonic acid; Dichloride, <i>in</i> D-1-00379	42175-48-4	1,2,3-Tris(trifluoromethyl)benzene, T-1-00278
39754-76-2	10-Tricosanone, T-1-00167	40632-91-5	Diethyl (3,3-dimethyl-1-butynyl) phosphonate, <i>in</i> D-1-00379	42185-61-5	2-Methylcyclobutanecarboxylic acid, M-1-00044
39809-12-6	1,6-Anhydro-3-deoxy-3-fluorodipyranose; <i>L</i> -form, <i>in</i> A-1-00231	40710-43-8	1-Pentacontanol, P-1-00004	42213-97-8	4-Amino-4,6-dideoxyallose; <i>D</i> -form, <i>N,N</i> -Di-Me, <i>in</i> A-1-00114
39809-13-7	1,6-Anhydro-3-deoxy-3-fluorodipyranose; <i>L</i> -form, Di-Ac, <i>in</i> A-1-00231	40724-03-6	5-Methyl-2-benzofurancarboxaldehyde, M-1-00032	42214-19-7	4-Amino-4,6-dideoxyallose; α -D-Pyranose-form, Me glycoside, <i>N</i> -Ac, <i>in</i> A-1-00114
39823-98-8	3-Benzoyloxy-5-hydroxymethyl-2(5 <i>H</i>)-furanone, <i>in</i> H-1-00099	40753-16-0	4- <i>tert</i> -Butyl-1,2,3-thiadiazole, B-1-00434	42242-20-6	3-Methylisothiazolo[5,4- <i>c</i>]pyridine, M-1-00083
39858-84-9	5,5'-Dinitro-2,2'-bipyridine, D-1-00484	40851-88-5	2,3-Diamino-6-chloropyridine, <i>see</i> D-1-00089	42244-87-1	2,3-Dihydro-6-methyl-4 <i>H</i> -1-benzothioopyran-4-one; <i>S</i> -Oxide, <i>in</i> D-1-00301
39891-08-2	3-Bromo-5-(cyanomethyl)pyridine, <i>in</i> B-1-00387	40851-95-4	2,3-Diamino-6-chloropyridine, D-1-00089	42250-24-8	Dimethyl [3-(trifluoromethyl)phenyl] phosphonate, <i>in</i> T-1-00185
39891-12-8	5-Bromo-3-pyridineacetic acid, B-1-00387	40859-51-6	4-Amino-4'-chlorodiphenyl ether, <i>see</i> A-1-00078	42329-87-3	2,4-Dimethylhexanal, <i>see</i> D-1-00408
39900-31-7	1,4,5,6,7,7a-Hexahydro-7,7a-dimethyl-2 <i>H</i> -inden-2-one; (7 <i>R</i> ,7a <i>S</i>)-form, <i>in</i> H-1-00039	40878-92-0	Diisopropyl (1-acetoxyethyl) phosphonate, <i>in</i> A-1-00006	42329-90-8	2,4-Dimethylhexanoic acid; (2 <i>R</i> ,4 <i>S</i>)-form, <i>in</i> D-1-00410
39943-61-8	(3,5-Dimethylphenyl)hydrazine, D-1-00462	41044-95-5	Butyl (4-chlorophenyl) phenylphosphinate, <i>in</i> C-1-00154	42330-30-3	2,4-Dimethylhexanal, <i>see</i> D-1-00408
39958-62-8	1,5-Dithiocyan-3-one, D-1-00538	41049-53-0	1-Phenylcyclopropylamine, P-1-00063	42330-37-0	2,4-Dimethylhexanoic acid; (2 <i>S</i> ,4 <i>S</i>)-form, <i>in</i> D-1-00410
39967-60-7	2'-Deoxypseudouridine, D-1-00075	41079-73-6	2,3,7,8-Tetramethoxythianthrene, <i>in</i> T-1-00109	42346-68-9	1-Methyl-4-carboxy-2-pyrrolidone, <i>in</i> O-1-00054
39977-41-8	5-(Hydroxymethyl)-2-pyridinecarboxylic acid, H-1-00137	41097-21-6	Diisopropyl (4-methoxybenzoyl) phosphonate, <i>in</i> M-1-00013	42431-35-6	1-Methyl-4-nitroanthraquinone, M-1-00086
39977-44-1	6-(Hydroxymethyl)-2-pyridinecarboxylic acid; Me ester, <i>in</i> H-1-00139	41164-24-3	5-Deoxy-5-iodoxylose; α -D-Furanose-form, 1,2- <i>O</i> -Isopropylidene, 3-benzoyl, <i>in</i> D-1-00074	42435-96-1	5-Benzoyl-2-pyrrolidinone; (\pm)-form, <i>N</i> -Me, <i>in</i> B-1-00059
39997-24-5	2,8-Nonanediol, N-1-00047	41164-25-4	5-Bromo-5-deoxyxylose; α -D-Furanose-form, 1,2- <i>O</i> -Isopropylidene, 3-benzoyl, <i>in</i> B-1-00273	42452-48-2	2,4-Dimethyl-2,4-heptadienal, D-1-00404
40010-23-9	4-Deoxy-4-fluorogalactopyranosyl fluoride; α -D-form, Tri-Ac, <i>in</i> D-1-00023	41294-57-9	Bis(2-bromoethyl)selenide, B-1-00124	42452-49-3	2,4-Dimethyl-2,4-heptadienal; 2,4-Dinitrophenylhydrazone, <i>in</i> D-1-00404
40010-24-0	4-Deoxy-4-fluorogalactopyranosyl fluoride; β -D-form, Tri-Ac, <i>in</i> D-1-00023	41310-80-9	4-(4-Fluorophenyl)-4-oxobutanoic acid; Et ester, <i>in</i> F-1-00052	42541-99-1	1-Iodo-1-octen-3-ol; (<i>R</i>)-(<i>E</i>)-form, <i>in</i> I-1-00051
40015-87-0	Decahydro-1,5-naphthalenediamine, D-1-00005	41320-97-2	2,3,4-Tribromoquinoline, T-1-00153	42591-64-0	Diethyl (1-methyl-2-nitroethyl) phosphonate, <i>in</i> M-1-00093
40017-45-6	1-Fluoroethanol, F-1-00018	41337-81-9	6-(Hydroxymethyl)-2-pyridinecarboxylic acid; Et ester, <i>in</i> H-1-00139	42591-65-1	Diisopropyl (1-methyl-2-nitroethyl) phosphonate, <i>in</i> M-1-00093
40031-25-2	Mannofuranosyl fluoride; α -D-form, Tetra-Ac, <i>in</i> M-1-00002	41391-90-6	1,2-Ethynediylbisphosphonic acid, E-1-00032	42601-58-1	3,3',5,5'-Tetrakis(bromomethyl) biphenyl, T-1-00068
40031-26-3	Mannofuranosyl fluoride; β -D-form, Tetra-Ac, <i>in</i> M-1-00002	41398-67-8	1-Methoxy-2-(phenylethynyl) benzene, <i>in</i> P-1-00070	42731-24-8	3-Oxopentanal, <i>see</i> O-1-00050
40061-45-8	Phenacetylpyrazine, P-1-00033	41448-29-7	3,7-Dimethyl-2,6-nonadienal, D-1-00450	42731-25-9	3-Oxopentanal, <i>see</i> O-1-00050
40138-16-7	▶ (2-Formylphenyl)boronic acid, F-1-00063	41459-62-5	Bis(1-methylethyl) chloroethynylphosphonate, <i>in</i> C-1-00094	42762-46-9	▶ 2-Phenyl-2-pentenal; (<i>E</i>)-form, <i>in</i> P-1-00088
40147-71-5	3-Chloro-3-deoxyxylose; β -D-Furanose-form, Me glycoside, 5-trityl, <i>in</i> C-1-00060	41597-35-7	Decahydro-2,3-naphthalenediamine; (2 <i>RS</i> ,3 <i>SR</i> ,4 <i>aSR</i> ,8 <i>aSR</i>)-form, Hydrochloride (1:2), <i>in</i> D-1-00006	42789-03-7	Bromethirin, B-1-00222
40147-72-6	3-Chloro-3-deoxyxylose; β -D-Furanose-form, Me glycoside, 5-trityl, 2-benzoyl, <i>in</i> C-1-00060	41597-42-6	Decahydro-2,3-naphthalenediamine; (2 <i>RS</i> ,3 <i>RS</i> ,4 <i>aRS</i> ,8 <i>aRS</i>)-form, Hydrochloride (1:2), <i>in</i> D-1-00006	42789-04-8	Bromethirin, <i>see</i> B-1-00222
40147-76-0	3-Chloro-3-deoxyxylose; α -D-Furanose-form, Me glycoside, 5-trityl, <i>in</i> C-1-00060	41627-96-7	Decahydro-2,3-naphthalenediamine; (2 <i>RS</i> ,3 <i>RS</i> ,4 <i>aRS</i> ,8 <i>aRS</i>)-form, Hydrochloride (1:2), <i>in</i> D-1-00006	42811-88-1	1,3-Di-2-thienyl-2-propen-1-one, <i>see</i> D-1-00535
40147-77-1	3-Chloro-3-deoxyxylose; α -D-Furanose-form, Me glycoside, 5-trityl, 2-(4-nitrobenzoyl), <i>in</i> C-1-00060	41718-47-2	2-Chloropentanal, C-1-00138	42854-91-1	5-Bromo-5-deoxyxylose; α -D-furanose-form, Benzyl glycoside, 2,3- <i>O</i> -isopropylidene, <i>in</i> B-1-00260
40167-28-0	3-Acetyl-4-phenylpyrrole, A-1-00031	41813-13-2	Vinylphosphonous dibromide, V-1-00005	42854-92-2	5-Bromo-5-deoxyxylose; <i>D</i> -form, <i>in</i> B-1-00260
40167-32-6	3-Benzoyl-4-phenylpyrrole, B-1-00054	41879-79-2	Naphtho[1,8- <i>bc</i> :5,4- <i>b'</i> , <i>c'</i>]dithiophene, N-1-00005	42854-94-4	5-Bromo-5-deoxyxylose; α -D-Furanose-form, 1,2- <i>O</i> -Isopropylidene, <i>in</i> B-1-00273
40167-39-3	4,5-Diphenyl-1 <i>H</i> -pyrrole-3-carboxylic acid; Me ester, <i>in</i> D-1-00520	41908-11-6	3-Acetylbenzaldehyde, A-1-00009	42854-95-5	5-Bromo-5-deoxyxylose; <i>D</i> -form, <i>in</i> B-1-00273

42877-08-7	2-Acetyl-3-bromothiophene, A-1-00018	50600-39-0	5-Deoxy-5-iodoxylose; α -D-Furanose-form, 1,2-O-Isopropylidene, in D-1-00074	51351-89-4	4-Methylphenyl nitromethyl sulfone, in M-1-00106
42899-89-8	5-Chloro-2-furancarboxaldehyde; Semicarbazone, in C-1-00100	50603-42-4	5-Nitro-4 <i>H</i> -1,3-benzodioxin, N-1-00012	51385-05-8	2-Bromo-2-deoxyxylose; α -D-Pyranose-form, Me glycoside, di-Ac, in B-1-00257
42969-79-9	8-Chloro-2 <i>H</i> -1-benzopyran, C-1-00018	50603-43-5	7-Nitro-4 <i>H</i> -1,3-benzodioxin, N-1-00013	51385-06-9	2-Chloro-2-deoxyxylose; α -D-Pyranose-form, Me glycoside, di-Ac, in C-1-00050
43036-06-2	1 <i>H</i> -Pyrrole-1-propanenitrile, in P-1-00181	50603-56-0	2-Chloro-2-deoxymannose; α -D-Pyranose-form, 3,4,6-Tri-Ac, in C-1-00052	51385-07-0	2-Deoxy-2-iodoxylose; α -D-Pyranose-form, Me glycoside, di-Ac, in D-1-00058
43126-02-9	2,5-Dimethyl-1,4-cyclohexanedione; (2 <i>RS</i> ,5 <i>RS</i>)-form, in D-1-00384	50603-57-1	2-Chloro-2-deoxymannose; α -D-Pyranose-form, Tetra-Ac, in C-1-00052	51451-31-1	2-Methyl-1-phenyl-1,3-propanediol, see M-1-00109
43126-07-4	2,5-Dimethyl-1,4-cyclohexanedione; (2 <i>RS</i> ,5 <i>SR</i>)-form, in D-1-00384	50611-15-9	2,4-Diamino-2,4,6-trideoxyidose; β -L-Pyranose-form, Benzyl glycoside, 2 <i>N</i> ,3,4 <i>N</i> -tri-Ac, in D-1-00110	51451-32-2	2-Methyl-1-phenyl-1,3-propanediol, see M-1-00109
43166-41-2	2-Hydroxyethanesulfonic acid; Na salt, in H-1-00093	50611-17-1	2,4-Diamino-2,4,6-trideoxyidose; β -L-Pyranose-form, Benzyl glycoside, 2 <i>N</i> ,4 <i>N</i> -di-Ac, in D-1-00110	51463-66-2	Dimethyl (phenylacetyl) phosphonate, in P-1-00041
43168-69-0	2-Bromo-2-deoxyxylose; β -D-Furanose-form, Me glycoside, 5-benzoyl, in B-1-00270	50611-18-2	2,4-Diamino-2,4,6-trideoxyidose; β -L-Pyranose-form, Benzyl glycoside, 3-mesyl, 2 <i>N</i> ,4 <i>N</i> -di-Ac, in D-1-00110	51535-00-3	5-Oxo-3-pyrrolidinedicarboxylic acid, see O-1-00054
43168-70-3	2-Bromo-2-deoxyxylose; β -D-Furanose-form, Me glycoside, 3-benzoyl, in B-1-00270	50611-21-7	2,4-Diamino-2,4,6-trideoxyidose; L-Pyranose-form, 2 <i>N</i> ,4 <i>N</i> -Di-Ac, in D-1-00110	51595-55-2	4,4'-Dinitro-2,2'-bipyridine; <i>N,N'</i> -Dioxide, in D-1-00482
43168-71-4	2-Bromo-2-deoxyxylose; β -D-Furanose-form, Me glycoside, dibenzoyl, in B-1-00270	50615-00-4	1-(1 <i>H</i> -Indol-3-yl)-3-methyl-2-buten-1-one, I-1-00022	51641-98-6	Isocyanacetic acid; Amide, in I-1-00067
43168-74-7	3-Bromo-3-deoxyarabinose; β -D-Furanose-form, Me glycoside, 5-benzoyl, in B-1-00251	50620-98-9	3-[2-(Trifluoromethyl)phenyl]-2-propenoic acid, see T-1-00208	51685-51-9	2-Benzoyl-4 <i>H</i> -1-benzopyran-4-one, B-1-00043
43170-85-0	4-Chlorobenzenemethanethiol; Na salt, in C-1-00014	50692-55-2	6-Deoxy-6-iodomannose; α -D-Pyranose-form, Me glycoside, tri-Ac, in D-1-00061	51785-54-7	Galactofuranosyl fluoride; β -D-form, Tetra-Ac, in G-1-00002
43219-81-4	3,3-Dimethyl-1-penten-4-yne, D-1-00453	50702-03-9	2-(4-Methylbenzenesulfonyl) ethylamine, M-1-00027	51785-55-8	Galactofuranosyl fluoride; α -D-form, Tetra-Ac, in G-1-00002
43227-05-0	Tris(5-acetyl-3-thienyl)methane, T-1-00266	50708-37-7	Tetramethyltetrafulvalene, T-1-00090	51785-56-9	Galactofuranosyl fluoride; β -D-form, Tetrabenzoyl, in G-1-00002
44647-19-0	4-Hydroxy-3-methyl-2-butenic acid; (<i>E</i>)-form, in H-1-00115	50775-02-5	7-Bromo-2-heptanone, B-1-00299	51791-29-8	3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, see T-1-00210
46201-15-4	3-Benzyl-2(5 <i>H</i>)-furanone, B-1-00068	50776-26-6	3,4-Dihydro-4-methylcyclopent[<i>b</i>]indol-1(2 <i>H</i>)-one, in D-1-00266	51869-91-1	1,2-Acenaphthenedicarboxylic acid; (1 <i>RS</i> ,2 <i>RS</i>)-form, in A-1-00001
46365-22-4	Camphor-3-sulfonic acid, see C-1-00001	50870-60-5	2-Bromo-1 <i>H</i> -inden-1-one, B-1-00302	51869-92-2	1,2-Acenaphthenedicarboxylic acid; (1 <i>S</i> ,2 <i>S</i>)-form, in A-1-00001
46902-11-8	[1,1'-Bicyclohexyl]-4,4'-dicarboxylic acid; (1 <i>RS</i> ,1' <i>RS</i> ,4 <i>SR</i> ,4' <i>SR</i>)-form, in B-1-00091	50894-65-0	Camphor-3-sulfonic acid, see C-1-00001	51869-93-3	1,2-Acenaphthenedicarboxylic acid; (1 <i>S</i> ,2 <i>S</i>)-form, Di-Me ester, in A-1-00001
48141-61-3	2,4-Bis(methylthio)quinazoline, in Q-1-00001	50908-55-9	4-Deoxy-4-iodoxylose; α -D-Pyranose-form, Benzyl glycoside, 2-benzyl, in D-1-00073	51907-89-2	(3-Trifluoromethylphenyl) phosphonous dichloride, T-1-00207
48193-94-8	4-(4-Biphenyloxy)benzoic acid, B-1-00114	51010-74-3	Trifluoro(morpholinato- <i>N</i> ⁶)sulfur, T-1-00219	51907-90-5	[3-(Trifluoroethyl)phenyl]phosphonic acid, T-1-00185
48198-80-7	4-(4-Biphenyloxy)benzoic acid; Me ester, in B-1-00114	51026-28-9	Bunema, in H-1-00123	51952-99-9	3,4-Dimethyl-1 <i>H</i> -pyrrole-2,5-dicarboxaldehyde, D-1-00468
48203-16-3	4-(4-Biphenyloxy)benzoic acid; Et ester, in B-1-00114	51051-94-6	2-(1-Propenyl)naphthalene, P-1-00134	51993-51-2	Diethyl (4-isopropylphenyl) phosphonate, in I-1-00081
49550-79-0	Bromethirin, see B-1-00222	51054-99-0	3-Bromo-4-pyridineacetic acid; Et ester, in B-1-00386	52003-17-5	Thieno[3,2- <i>c</i>]furoxan, in T-1-00115
49578-06-5	Octahydro-4 <i>a</i> ,8 <i>a</i> -naphthalenediol, O-1-00015	51171-71-2	4-Phenyl-3-cyclohexen-1-one, P-1-00060	52055-86-4	5-Acetyl-4-methoxybenzofuran, in A-1-00030
49672-77-7	3-Isothiazolecarboxylic acid; Chloride, in I-1-00088	51171-74-5	4-Phenyl-3-cyclohexen-1-one; 2,4-Dinitrophenylhydrazone, in P-1-00060	52107-61-6	2,2',5,5'-Tetraphenyl-3,3'-bifuran, T-1-00093
49826-05-3	2-Oxocyclopentaneacetic acid; (<i>R</i>)-form, Me ester, in O-1-00040	51171-76-7	4-Phenyl-3-cyclohexen-1-one; Oxime, in P-1-00060	52118-10-2	2,2'-Ethylenedioxybisbenzaldehyde, E-1-00015
49851-76-5	Hexadecafluorobicyclopentylidene, H-1-00024	51181-43-2	3,4-Dimethyl-2,5-diphenylfuran, D-1-00392	52129-71-2	Bulab, B-1-00407
49868-52-2	Trimethyltetrafulvalene, T-1-00250	51250-01-2	2-Amino-2,6-dideoxyallose; D-form, <i>N</i> -Ac, in A-1-00113	52182-14-6	3,4'-Dimethoxychalcone, in D-1-00341
50271-22-2	2-Bromo-2-deoxyxylose; β -D-Pyranose-form, 1-Benzoyl, 3,4-di-Ac, in B-1-00250	51250-05-6	2-Amino-2,6-dideoxyallose; D-form, Hydrochloride, in A-1-00113	52244-26-5	1-Bromo-2-(phenylthio)ethene; (<i>Z</i>)-form, <i>S,S</i> -Dioxide, in B-1-00383
50271-27-7	2-Bromo-2-deoxyarabinose; α -D-Pyranose-form, 1-Benzoyl, 3,4-di-Ac, in B-1-00250	51250-07-8	2,6-Diamino-2,6-dideoxyidose; D-form, Hydrochloride, in D-1-00098	52265-79-9	2-Methylazetidine; (<i>S</i>)-form, in M-1-00022
50271-31-3	2-Bromo-2-deoxyxylose; D-form, 3,4-Dibenzoyl, in B-1-00270	51255-03-9	4-Amino-4,6-dideoxyallose; α -D-Pyranose-form, Me glycoside, 2,3-anhydro, <i>N</i> -Ac, in A-1-00114	52265-80-2	1,2-Dimethylazetidine, in M-1-00022
50271-36-8	2-Bromo-2-deoxyxylose; α -D-Pyranose-form, Tribenzoyl, in B-1-00270	51255-06-2	4-Amino-4,6-dideoxyaltrose; α -D-Pyranose-form, Me glycoside, <i>N</i> -Ac, in A-1-00115	52290-42-3	6-Chloro-6-deoxymannose; α -D-Pyranose-form, Me glycoside, 4-benzoyl, 2,3-di-Ac, in C-1-00053
50271-41-5	2-Bromo-2-deoxyxylose; β -D-Pyranose-form, 1,3-Dibenzoyl, 4-Ac, in B-1-00270	51269-16-0	4-Amino-4,6-dideoxyaltrose; α -D-Pyranose-form, Me glycoside, 2,3,4 <i>N</i> -tri-Ac, in A-1-00115	52290-43-4	Methyl 6-deoxy-6-iodo- α -D-mannopyranoside, in D-1-00061
50406-55-8	5-Ethyl-1,2,3-thiadiazole, E-1-00028	51271-24-0	1-Bromo-3-phenylpropane, see B-1-00382	52301-27-6	Cyclic UMP; 2'-Benzoyl, in C-1-00187
50463-83-7	1 <i>H</i> -Pyrrole-1-propanoic acid, see P-1-00181	51273-19-9	Azulenol[4,5- <i>c</i>]furan, A-1-00262	52331-62-1	3-Cyclohexyl-2-propenoic acid; (<i>E</i>)-form, Chloride, in C-1-00207
50501-35-4	5-(Hydroxymethyl)-2-pyridinecarboxylic acid; Et ester, in H-1-00137	51296-43-6	1-Bromo-1-deoxyxycosose; D-form, Tetra-Ac, in B-1-00263	52340-56-4	6-Bromo-6-deoxymannose; α -D-Pyranose-form, Me glycoside, in B-1-00262
50552-10-8	1-Methyl-3-cyclohexene-1-methanol, M-1-00052			52352-30-4	4,4'-Dihydroxybibenzyl, see D-1-00340
				52356-52-2	1,3-Dihydro-1,3-dimethyl-2 <i>H</i> -imidazol-2-ylidene, in I-1-00006
				52380-62-8	Benzil-4-carboxylic acid; Me ester, in B-1-00008

52430-93-0	5-Aminobicyclo[2.2.1]hept-2-ene, A-1-00064	53143-96-7	3-Pentyltriphenylphosphonium(1+); (<i>E</i>)-form, Bromide, in P-1-00025	54148-00-4	Tetramethyl (diazomethylene)bisphosphonate, in D-1-00120
52447-22-0	Tridecafluoroheptanoic acid, <i>see</i> T-1-00178	53164-77-5	3-Hydroxycyclohexanone, <i>see</i> H-1-00074	54246-52-5	2,3-Dihydro-8-methyl-4 <i>H</i> -1-benzothiopyran-4-one; Semicarbazone, in D-1-00303
52463-13-5	5-Amino-4 <i>H</i> -1,3-benzodioxin; Hydrochloride, in A-1-00055	53190-24-2	10-Methoxy-10-methyl-9(10 <i>H</i>)-anthracenone, in H-1-00104	54343-55-4	3-Benzoyl-2-pyrrolidinone; <i>N</i> -Me, in B-1-00058
52463-17-9	5-Amino-4 <i>H</i> -1,3-benzodioxin; <i>N,N</i> -Di-Me, in A-1-00055	53223-75-9	12 <i>H</i> -Dibenzo[<i>b,h</i>]fluoren-12-one, D-1-00128	54356-26-2	3,3'-Dinitro-4,4'-bipyridine, D-1-00481
52463-18-0	5-Amino-4 <i>H</i> -1,3-benzodioxin; <i>N,N</i> -Di-Me; hydrochloride, in A-1-00055	53269-00-4	1-(1-Propenyl)naphthalene, <i>see</i> P-1-00133	54397-30-7	9-Azabicyclo[3.3.1]nona-2,6-diene; <i>N</i> - <i>tert</i> -Butyl, in A-1-00240
52463-20-4	5-Amino-4 <i>H</i> -1,3-benzodioxin, <i>see</i> A-1-00055	53269-01-5	1-(1-Propenyl)naphthalene, <i>see</i> P-1-00133	54397-31-8	9-Azabicyclo[3.3.1]nona-2,6-diene; 9- <i>tert</i> -Butyl, hydrochloride, in A-1-00240
52463-21-5	5-Amino-4 <i>H</i> -1,3-benzodioxin, <i>see</i> A-1-00055	53273-37-3	2-Indaneacetic acid; Me ester, in I-1-00011	54401-10-4	Psicofuranol bromide; <i>D</i> -form, Tetrabenzoyl, in P-1-00146
52463-22-6	5-Amino-4 <i>H</i> -1,3-benzodioxin; <i>N,N,N</i> -Tri-Me, in A-1-00055	53293-03-1	3-Methyl-1-heptyne, M-1-00069	54401-13-7	Fructofuranosyl bromide; <i>D</i> -form, Tetrabenzoyl, in F-1-00067
52496-39-6	2-Methyl-2-propenethioic acid; <i>S</i> -Me ester, in M-1-00121	53332-14-2	2,3,5-Triamino-2,3,5-trideoxyarabinose; β - <i>D</i> -Furanose-form, Me glycoside, in T-1-00139	54422-64-9	3-Amino-2-phenylpropanoic acid; (\pm)-form, in A-1-00198
52528-82-2	1,4,5,6,7,7a-Hexahydro-4,7a-dimethyl-2 <i>H</i> -inden-2-one, <i>see</i> H-1-00038	53332-21-1	2,3,5-Triamino-2,3,5-trideoxyarabinose; β - <i>D</i> -Furanose-form, Me glycoside, 2 <i>N</i> ,3 <i>N</i> ,5 <i>N</i> -tri-Ac, in T-1-00139	54534-78-0	2-(Aminomethyl)imidazole; <i>N,N</i> -Di-Me, in A-1-00172
52572-05-1	6-Bromo-6-deoxyallose; α - <i>D</i> -Pyranose-form, Me glycoside, 4-benzoyl, in B-1-00246	53332-24-4	2,3,5-Triamino-2,3,5-trideoxyarabinose; <i>D</i> -Furanose-form, 2 <i>N</i> ,3 <i>N</i> ,5 <i>N</i> -Tri-Ac, in T-1-00139	54535-14-7	5-Hydroxy-4-isoxazolecarboxylic acid; Et ester, in H-1-00102
52695-39-3	(4-Cyanophenyl)oxirane, in O-1-00037	53332-80-2	2-(Aminomethyl)imidazole, A-1-00172	54573-13-6	1-Iodo-1-heptyne, I-1-00035
52708-22-2	1,1-Dimethyl-3-vinylcyclobutane, D-1-00473	53338-05-9	4,7-Dihydro-2-methyl-2-(3-methylbutyl)-1,3-dioxepin, D-1-00304	54584-24-6	6-Hydroxy-2-methylbenzofuran, H-1-00111
52730-18-4	2-Methylazetidide; (\pm)-form, in M-1-00022	53338-06-0	2-(1-Ethylpropyl)-4,7-dihydro-1,3-dioxepin, E-1-00024	54592-32-4	3,7-Dimethyl-1,6-nonadien-3-ol, <i>see</i> D-1-00451
52827-82-4	Trimethylarsine; BBr ₃ complex (1:1), in T-1-00236	53369-42-9	Allopyranosyl bromide; α - <i>D</i> -form, Tetra-Ac, in A-1-00047	54621-50-0	3-Bromo-3-deoxyxylose; α - <i>D</i> -Pyranose-form, Me glycoside, dibenzoyl, in B-1-00258
52879-14-8	[1,4]Benzodithiino[2,3- <i>b</i>]thianthrene, B-1-00016	53390-58-2	4-(Phenylsulfanyl)-2-azetidinone, in P-1-00111	54621-51-1	3-Bromo-3-deoxyarabinose; β - <i>D</i> -Pyranose-form, Me glycoside, 2,4-dibenzoyl, in B-1-00251
52879-26-2	[1,4]Dithiino[2,3- <i>b</i> :5,6- <i>b'</i>]dipyrazine, D-1-00536	53422-58-5	<i>P</i> -Ethenyl- <i>N,N,N',N'</i> -tetramethylphosphonous diamide, in V-1-00004	54621-61-3	3-Bromo-3-deoxyxylose; β - <i>D</i> -Pyranose-form, Me glycoside, 4-benzoyl, 2-Me, in B-1-00258
52885-53-7	2,3-Diamino-2,3-dideoxyidose; α - <i>D</i> -Pyranose-form, Me glycoside, 4,6- <i>O</i> -benzylidene, 2 <i>N</i> ,3 <i>N</i> -di-Ac, in D-1-00096	53485-13-5	5-Hydroxy-4-phenylisoxazole, <i>see</i> H-1-00170	54621-62-4	4-Bromo-4-deoxyxylose; α - <i>L</i> -Pyranose-form, Me glycoside, 3-benzoyl, 2-Me, in B-1-00272
52889-62-0	2-Ethynyl-1,1'-biphenyl, E-1-00034	53596-82-0	9-Bromo-1-nonanol; Ac, in B-1-00358	54621-63-5	3-Bromo-3-deoxyxylose; α - <i>D</i> -Furanose-form, Me glycoside, dibenzoyl, in B-1-00271
52914-23-5	2-(4-Iodophenyl)ethanol, I-1-00057	53599-88-5	4-Chloro-5-nitroisquinoline, C-1-00131	54621-64-6	3-Bromo-3-deoxyxylose; β - <i>D</i> -Furanose-form, Me glycoside, dibenzoyl, in B-1-00271
52951-21-0	8-Cyanoindolizine, in I-1-00018	53607-62-8	Debropil; (\pm)-form, Ac, in B-1-00355	54627-43-9	[1-Amino-2-(3,4-dihydroxyphenyl)ethyl]phosphonic acid; (\pm)-form, in A-1-00124
52979-77-8	9-Chloro-10-methylphenanthrene, C-1-00120	53619-11-7	1,4-Diazabicyclo[3.2.2]nonan-3-one, D-1-00112	54636-29-2	1-Chloro-7-phenylheptane, C-1-00152
53008-74-5	2-Deoxy-2-iodomannose; β - <i>D</i> -Pyranose-form, Me glycoside, tri-Ac, in D-1-00060	53623-37-3	4-(4-Ethoxyphenyl)-4-oxobutanoic acid, in H-1-00171	54667-15-1	2-Methyl-2-propenethioic acid; <i>S</i> -Et ester, in M-1-00121
53008-76-7	Methyl 2-deoxy-2-iodo- β - <i>D</i> -mannopyranoside, in D-1-00060	53715-91-6	4-Methyl-2-benzofurancarboxaldehyde, M-1-00030	54667-28-6	2-Methyl-2-propenethioic acid; <i>S</i> -Ph ester, in M-1-00121
53008-81-4	2-Deoxy-2-iodotalose; α - <i>D</i> -Pyranose-form, Me glycoside, tri-Ac, in D-1-00069	53715-92-7	6-Methyl-2-benzofurancarboxaldehyde, M-1-00034	54730-36-8	1,3-Dichloro-2-(trichloromethyl)benzene, D-1-00198
53008-83-6	2-Deoxy-2-iodotalose; α - <i>D</i> -Pyranose-form, Me glycoside, in D-1-00069	53753-43-8	Dimethyl (1-methyl-1-nitroethyl)phosphonate, in M-1-00092	54750-05-9	Gallin, G-1-00005
53008-86-9	2-Deoxy-2-iodomannose; α - <i>D</i> -Pyranose-form, 3,4,6-Tri-Ac, in D-1-00060	53759-29-8	Cholamine, <i>see</i> C-1-00174	54807-40-8	3-Phenyl-2,5-pyrrolidinedione, <i>see</i> P-1-00096
53074-22-9	4-Benzylpyridazine, B-1-00074	53778-26-0	3,5-Diphenyl-1 <i>H</i> -pyrrole-2-carboxylic acid; Et ester, in D-1-00519	54815-81-5	2-(2-Fluorenyl)propanoic acid; (<i>R</i>)-form, in F-1-00006
53074-23-0	4-Benzoylpyridazine, B-1-00056	53840-71-4	2,3-Diamino-2,3-dideoxymannose; α - <i>D</i> -Pyranose-form, Me glycoside, 2 <i>N</i> ,3 <i>N</i> -di-Ac, in D-1-00099	54815-83-7	2-(2-Fluorenyl)propanoic acid; (<i>S</i>)-form, in F-1-00006
53074-25-2	4-Benzylpyridazine; Hydrochloride, in B-1-00074	53950-52-0	8,16-Dihydroxyhexadecanoic acid, D-1-00343	54815-86-0	2-(2-Fluorenyl)propanoic acid; (\pm)-form, in F-1-00006
53081-37-1	3-Deoxy-3-iodoarabinose; α - <i>D</i> -Furanose-form, Me glycoside, 5-(4-nitrobenzoyl), in D-1-00050	53977-19-8	6-Chloro-4-hydroxy-3-quinolinecarboxylic acid, <i>see</i> C-1-00109	54917-86-1	5-Hydroxy-2-methyl-4 <i>H</i> -pyran-4-one; Ac, in H-1-00126
53081-38-2	3-Deoxy-3-iodoarabinose; α - <i>D</i> -Furanose-form, Me glycoside, 2,5-bis-(4-nitrobenzoyl), in D-1-00050	54005-84-4	7-Bromoheptanal, B-1-00298	54923-31-8	3-Bromo-6-hydroxy-2-methylpyridine, B-1-00301
53117-00-3	<i>N,N,N',N'</i> -Tetraethyl- <i>P</i> -(trifluoromethyl)phosphonous diamide, in T-1-00211	54057-97-5	Diethyl [3-(trifluoromethyl)phenyl]phosphonate, in T-1-00185	54925-33-6	Cyclic CMP; Na salt, in C-1-00185
53117-01-4	<i>N,N,N',N'</i> -Tetrapropyl- <i>P</i> -(trifluoromethyl)phosphonous diamide, in T-1-00211	54073-43-7	2-Hydroxy-3-hexanone, H-1-00095	54931-51-0	2-Methyl-7-nitro-1(2 <i>H</i>)-isoquinolinone, in H-1-00156
53117-02-5	<i>N,N,N',N'</i> -Tetrabutyl- <i>P</i> -(trifluoromethyl)phosphonous diamide, in T-1-00211	54104-88-0	Octahydrocyclopenta[<i>c</i>]pyrrole; <i>N</i> -(4-Methylbenzenesulfonyl), in O-1-00013	54933-08-3	Decahydro-2,3-naphthalenediamine; (2 <i>R</i> ,3 <i>R</i> ,4 <i>a</i> <i>S</i> ,8 <i>a</i> <i>S</i>)-form, in D-1-00006
53119-51-0	3-Ethyl-2-methylthiophene, E-1-00019	54108-04-2	1,3-Dihydro-2 <i>H</i> -imidazo[4,5- <i>b</i>]quinoxalin-2-one, D-1-00291	54933-09-4	Decahydro-2,3-naphthalenediamine; (2 <i>R</i> ,3 <i>S</i> ,4 <i>a</i> <i>S</i> ,8 <i>a</i> <i>S</i>)-form, in D-1-00006

- 54933-94-7 Tetrahydro[1,3]dioxino[5,4-*d*]-1,3-dioxin; (*RS,SR*)-*form*, in T-1-00035
- 54963-39-2 Dimethyl (diphenylmethyl) phosphonate, in D-1-00504
- 55018-57-0 Mannofuranosyl bromide; α -D-*form*, Tetra-Ac, in M-1-00001
- 55018-58-1 Mannofuranosyl bromide; β -D-*form*, Tetra-Ac, in M-1-00001
- 55024-31-2 2,3,5-Triamino-2,3,5-trideoxyarabinose; D-Furanose-*form*, 2*N*,3*N*,5*N*-Tribenzoyl, in T-1-00139
- 55042-21-2 Trimethylarsine; BI₃ complex (1:1), in T-1-00236
- 55053-19-5 5-Chloro-5-deoxyribose; α -D-Furanose-*form*, Me glycoside, 2,3-bis(chlorosulfate), in C-1-00055
- 55053-21-9 5-Chloro-5-deoxyribose; β -D-Furanose-*form*, Me glycoside, 2,3-bis(chlorosulfate), in C-1-00055
- 55057-30-2 Xylofuranosyl bromide; α -D-*form*, Tri-Ac, in X-1-00001
- 55057-31-3 Xylofuranosyl bromide; β -D-*form*, Tri-Ac, in X-1-00001
- 55085-26-2 5-Deoxy-5-iodoalloose; α -D-Furanose-*form*, 1,2-*O*-Isopropylidene, 3,6-dibenzoyl, in D-1-00044
- 55085-27-3 5-Deoxy-5-iodotalose; β -L-Furanose-*form*, 1,2-*O*-Isopropylidene, 3,5-dibenzoyl, in D-1-00070
- 55094-61-6 3-Hydroxy-5-hydroxymethyl-2(5*H*)-furanone; (*S*)-*form*, Dibenzyl ether, in H-1-00099
- 55100-42-0 Octahydrocyclopenta[*c*]pyrrole; *N*-Me, in O-1-00013
- 55100-43-1 Octahydrocyclopenta[*c*]pyrrole; *N*-Me, picrate, in O-1-00013
- 55121-98-7 4-Chloro-7-(trifluoromethyl)quinoline; *N*-Oxide, in C-1-00172
- 55169-78-3 3-Bromo-3-deoxyaltrose; α -D-Pyranose-*form*, Me glycoside, 4,6-*O*-benzylidene, 2-benzoyl, in B-1-00248
- 55169-80-7 4-Bromo-4-deoxyxylose; α -L-Pyranose-*form*, 1,2-*O*-Benzylidene, in B-1-00272
- 55169-81-8 4-Bromo-4-deoxyxylose, *see* B-1-00272
- 55234-56-5 4-(4-Ethoxyphenyl)-4-oxobutanenitrile, in H-1-00171
- 55259-49-9 Tetramethyltetraselenafulvalene, T-1-00089
- 55274-73-2 3-Amino-3-deoxyaltrose; α -D-Pyranose-*form*, Me glycoside, in A-1-00099
- 55327-21-4 3-Ethylpentanoic acid; Amide, in E-1-00021
- 55338-70-0 Decahydro-2,3-naphthalenediamine; (2*RS*,3*RS*,4*aRS*,8*aRS*)-*form*, in D-1-00006
- 55362-80-6 9-Bromo-1-nonanol, B-1-00358
- 55385-63-2 2-Amino-2,6-dideoxyalloose; D-*form*, in A-1-00113
- 55490-37-4 1*H*-Pyrrole-2-propanoic acid, *see* P-1-00182
- 55490-38-5 1*H*-Pyrrole-2-propanoic acid, *see* P-1-00182
- 55490-39-6 1*H*-Pyrrole-2-propanoic acid, *see* P-1-00182
- 55570-17-7 4-Amino-4,6-dideoxyidose; α -D-Pyranose-*form*, Me glycoside, 2,3-dibenzyl, *N*-Ac, in A-1-00116
- 55570-18-8 4-Amino-4,6-dideoxyidose; α -D-Pyranose-*form*, Me glycoside, *N*-Ac, in A-1-00116
- 55570-19-9 4-Amino-4,6-dideoxyidose; α -D-Pyranose-*form*, Me glycoside, 2,3,4*N*-tri-Ac, in A-1-00116
- 55570-21-3 4-Amino-4,6-dideoxyidose; α -D-Pyranose-*form*, Me glycoside, *N,N*-di-Me, in A-1-00116
- 55570-40-6 4-Amino-4,6-dideoxyaltrose; α -D-Pyranose-*form*, Me glycoside, *N,N*-di-Me, in A-1-00115
- 55570-42-8 4-Amino-4,6-dideoxyaltrose; D-*form*, *N,N*-Di-Me, in A-1-00115
- 55628-80-3 2-*C*-Chlorotalopyranosyl chloride; α -D-*form*, Tetraenzoyl, in C-1-00164
- 55637-42-8 4-Amino-4,6-dideoxyidose; α -D-Pyranose-*form*, Me glycoside, in A-1-00116
- 55637-43-9 4-Amino-4,6-dideoxyaltrose; α -D-Pyranose-*form*, Me glycoside, in A-1-00115
- 55656-71-8 Galactofuranosyl bromide; β -D-*form*, 2,3-Di-*O*-benzyl, 5,6-bis-(4-nitrobenzoyl), in G-1-00001
- 55691-59-3 (Chlorophenylmethyl)phosphonic dichloride, C-1-00153
- 55693-34-0 Octahydro-4*a*(2*H*)-naphthalenol, O-1-00016
- 55727-00-9 Cyclic CMP; Ammonium salt, in C-1-00185
- 55734-50-4 2-Bromo-2-deoxyarabinose; β -D-Furanose-*form*, Me glycoside, 3,5-dibenzoyl, in B-1-00250
- 55734-54-8 2-Bromo-2-deoxyribose; α -D-Furanose-*form*, Me glycoside, dibenzoyl, in B-1-00264
- 55734-55-9 2-Bromo-2-deoxyarabinose; β -D-Furanose-*form*, Me glycoside, 3,5-di-Ac, in B-1-00250
- 55734-56-0 2-Bromo-2-deoxyxylose; α -D-Furanose-*form*, Me glycoside, dibenzoyl, in B-1-00270
- 55734-58-2 2-Bromo-2-deoxyxylose; α -D-Furanose-*form*, Me glycoside, di-Ac, in B-1-00270
- 55734-59-3 2-Bromo-2-deoxyxylose; β -D-Furanose-*form*, Me glycoside, di-Ac, in B-1-00270
- 55735-87-0 Methyl 2-chloro-2-deoxy- α -D-arabino-furanoside, in C-1-00039
- 55735-88-1 2-Chloro-2-deoxyarabinose; α -D-Furanose-*form*, Me glycoside, 3,5-di-Ac, in C-1-00039
- 55740-54-0 2-Chloro-2-deoxyarabinose; α -D-Furanose-*form*, Me glycoside, 3,5-dibenzyl, in C-1-00039
- 55768-93-9 4-(Hydroxymethyl)-3-pyridinecarboxylic acid; Ac, Me ester, in H-1-00136
- 55781-91-4 6,7,8,9-Tetrahydro-1*H*,5*H*-pyrazolo[1,2-*a*][1,2]diazepin-1-one, T-1-00053
- 55793-26-5 1,2-Di-*tert*-butyl-1,2-diphenyldiphosphine, D-1-00169
- 55804-66-5 Ethyl 2,3,6,7-tetrahydro-11-oxo-1*H*,5*H*,11*H*-[1*b*]benzopyrano[6,7,8-*ij*]quinolizine-10-carboxylate, E-1-00026
- 55804-70-1 7-Ethylamino-6-methyl-4-trifluoromethylcoumarin, in A-1-00184
- 55814-14-7 3-Indolizinecarboxylic acid, *see* I-1-00017
- 55968-16-6 2-(2-Thienyl)-1*H*-indole, T-1-00130
- 56065-37-3 ▶ LCG 21519, in P-1-00144
- 56071-96-6 Difluorophenylacetic acid; Me ester, in D-1-00248
- 56133-37-0 4-Isothiazolecarboxylic acid; Me ester, in I-1-00089
- 56137-60-1 1,2-Acenaphthenedicarboxylic acid; (1*RS*,2*RS*)-*form*, Di-Me ester, in A-1-00001
- 56194-80-0 Bromethirin, *see* B-1-00222
- 56263-51-5 2,6-Bis(bromomethyl)benzoic acid; Me ester, in B-1-00128
- 56263-54-8 2,6-Bis(bromomethyl)benzoic acid, B-1-00128
- 56341-37-8 6-Chloro-1,3-dihydro-2*H*-indol-2-one, C-1-00079
- 56373-69-4 Dimethyl (1-methyl-2-nitroethyl) phosphonate, in M-1-00093
- 56433-01-3 2-(Bromomethyl)-1-chloro-3-nitrobenzene, B-1-00320
- 56453-86-2 3-Cyclohexyl-2-propanoic acid; (*E*)-*form*, in C-1-00207
- 56469-02-4 3,4-Dihydro-5-hydroxy-1(2*H*)-isoquinolinone, D-1-00284
- 56475-80-0 1-Methoxycarbonylpyrrolidine, in P-1-00186
- 56488-92-7 3-Azido-2-thiophenecarboxylic acid, A-1-00259
- 56488-94-9 3-Azido-2-cyanothiophene, in A-1-00259
- 56489-00-0 3-Amino-2-furancarboxaldehyde, A-1-00140
- 56489-01-1 3-Amino-2-thiophenecarboxaldehyde, A-1-00218
- 56518-48-0 4-Chloro-3,5-dimethoxybenzaldehyde, in C-1-00081
- 56526-05-7 3-(Hydroxymethyl)-2-pyridinecarboxylic acid; Ac, Et ester, in H-1-00133
- 56542-09-7 Methyl ethylvinylphosphinate, in E-1-00031
- 56542-10-0 *P*-Ethenyl-*N,N,P*-triethylphosphinic amide, in E-1-00031
- 56570-73-1 5-Bromo-5-deoxyxylose; α -D-Furanose-*form*, Me glycoside, di-Ac, in B-1-00273
- 56570-74-2 5-Chloro-5-deoxyxylose; α -D-Furanose-*form*, Me glycoside, di-Ac, in C-1-00062
- 56570-75-3 5-Chloro-5-deoxyxylose; β -D-Furanose-*form*, Me glycoside, di-Ac, in C-1-00062
- 56570-97-9 6-Deoxy-6-iodomannose; β -D-Pyranose-*form*, Me glycoside, tri-Ac, in D-1-00061
- 56570-98-0 6-Deoxy-6-iodoalloose; α -D-Pyranose-*form*, Me glycoside, tri-Ac, in D-1-00045
- 56570-99-1 6-Deoxy-6-iodoalloose; β -D-Pyranose-*form*, Me glycoside, tri-Ac, in D-1-00045
- 56571-01-8 Methyl 6-deoxy-6-iodo- β -D-mannopyranoside, in D-1-00061
- 56571-02-9 Methyl 6-deoxy-6-iodo- α -D-allopyranoside, in D-1-00045
- 56571-03-0 Methyl 6-deoxy-6-iodo- β -D-allopyranoside, in D-1-00045
- 56587-55-4 5-Bromo-5-deoxyxylose; β -D-Furanose-*form*, Me glycoside, di-Ac, in B-1-00273
- 56641-67-9 (Diazomethyl)phenylphosphinic acid; Me ester, in D-1-00122
- 56655-93-7 7,8,8-Trimethyl-4,5,6,7-tetrahydro-4,7-methano-1(2*H*)-indazole, *see* T-1-00249
- 56737-75-8 (2,3-Dimethylphenyl)hydrazine; Monohydrochloride, in D-1-00457
- 56737-78-1 (2,5-Dimethylphenyl)hydrazine; Monohydrochloride, in D-1-00459
- 56741-95-8 ▶ Bropirimine, A-1-00071
- 56772-30-6 4-Cyclopentene-1,2,3-triol, C-1-00217
- 56872-39-0 4-(4-Hydroxyphenyl)-4-oxobutanoic acid, H-1-00171
- 56883-43-3 Cyclic UMP; Me ester, in C-1-00187
- 56890-26-7 Thieno[3,2-*f*][1,7]naphthyridine, T-1-00123
- 56900-73-3 2-Benzoyl-5-phenylpyrrole, B-1-00053
- 56912-73-3 1,1-Dimethyl-2,2-diphenyldiphosphine, *see* D-1-00390
- 56942-13-3 Cyclic UMP, *see* C-1-00187
- 56942-15-5 Cyclic UMP; Benzyl ester, in C-1-00187

56966-47-3	2-Amino-2'-chlorodiphenyl ether, A-1-00075	58083-44-6	1,2-Bis(1-bromoethyl)benzene, B-1-00121	59055-65-1	5-Amino-5-deoxyxylose; α -D-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 3-benzyl, <i>in</i> A-1-00111
56981-10-3	3-Deoxy-3-iodoaltrose; α -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, <i>in</i> D-1-00047	58119-67-8	3-Acetyl-5-chlorothiophene, A-1-00028	59142-47-1	2-Bromodiphenylmethanol, B-1-00290
56988-39-7	2-Chloro-9-phenanthrenecarboxylic acid, C-1-00143	58142-95-3	5-Chloro-8-nitroisoquinoline, C-1-00132	59142-71-1	1-Bromo-2-(methoxyphenylmethyl)benzene, <i>in</i> B-1-00290
56988-42-2	6-Chloro-9-phenanthrenecarboxylic acid, C-1-00144	58142-97-5	1-Chloro-5-nitroisoquinoline, C-1-00128	59150-46-8	2,6-Diamino-2,6-dideoxyidose; β -D-Pyranose- <i>form</i> , Me glycoside, 2 <i>N</i> ,3,4-tri-Ac, <i>in</i> D-1-00098
57103-25-0	3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00210	58177-61-0	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00209	59150-47-9	2,6-Diamino-2,6-dideoxyidose; β -D-Pyranose- <i>form</i> , Me glycoside, 2 <i>N</i> -Ac, <i>in</i> D-1-00098
57178-48-0	Bis(4-fluorophenyl)phosphinous acid, <i>see</i> B-1-00167	58177-64-3	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid; (<i>E</i>)- <i>form</i> , Nitrile, <i>in</i> T-1-00209	59198-39-9	3-Amino-1-phenyl-1-propanol; (\pm)- <i>form</i> , <i>in</i> A-1-00199
57178-58-2	Bis(4-fluorophenyl)phosphinous acid, <i>see</i> B-1-00167	58191-47-2	2,2,3,3,4,4,5,5-Octafluoro-1,6-hexanediol; Bis(4-methylbenzenesulfonyl), <i>in</i> O-1-00011	59227-67-7	3-Acetyl-5-bromothiophene, A-1-00021
57178-67-3	Bis(3-fluorophenyl)phosphinous chloride, <i>see</i> B-1-00169	58238-55-4	6-Deoxy-6-iodosorbose; α -L-Furanose- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, 1-Ac, <i>in</i> D-1-00068	59227-68-8	3-Acetyl-5-bromofuran, A-1-00017
57178-70-8	Bis(3-fluorophenyl)phosphinous chloride, <i>see</i> B-1-00169	58268-53-4	3-Bromocyclohexanol; (1 <i>RS</i> ,3 <i>SR</i>)- <i>form</i> , Ac, <i>in</i> B-1-00239	59227-69-9	3-Acetyl-5-chlorofuran, A-1-00023
57205-07-9	6,7-Dihydro-2(5 <i>H</i>)-oxepinone, D-1-00317	58360-14-8	2-Methyl-1 <i>H</i> -indole-3-acetamide, <i>in</i> M-1-00073	59229-63-9	3,3-Dimethylmorpholine, D-1-00448
57222-03-4	Bicyclo[2.2.2]octane-2,3-dimethanol; (2 <i>R</i> ,3 <i>R</i>)- <i>form</i> , <i>in</i> B-1-00096	58394-10-8	2,4-Diamino-2,4,6-trideoxyidose; α -D-Pyranose- <i>form</i> , Me glycoside, 2 <i>N</i> ,3,4 <i>N</i> -tri-Ac, <i>in</i> D-1-00110	59254-29-4	4-Hydroxy-7-benzofurancarboxaldehyde, H-1-00058
57229-36-4	5-Hydroxy-2,3-dimethylpyrazine, H-1-00088	58394-13-1	2,4-Diamino-2,4,6-trideoxyidose; α -D-Pyranose- <i>form</i> , Me glycoside, <i>in</i> D-1-00110	59254-30-7	5-Hydroxy-4-benzofurancarboxaldehyde, H-1-00059
57248-88-1	▶ Pamidronate disodium, <i>in</i> A-1-00149	58394-14-2	2,4-Diamino-2,4,6-trideoxyidose; α -D-Pyranose- <i>form</i> , Me glycoside, 2 <i>N</i> ,4 <i>N</i> -di-Ac, <i>in</i> D-1-00110	59254-31-8	6-Hydroxy-7-benzofurancarboxaldehyde, H-1-00062
57278-46-3	7-Chloro-4-hydroxy-3-quinolinecarboxylic acid, C-1-00110	58394-17-5	2,4-Diamino-2,4,6-trideoxyidose; α -D-Pyranose- <i>form</i> , Me glycoside, hydrochloride (1:2), <i>in</i> D-1-00110	59277-58-6	1,1,4-Triphenyl-1-buten-3-yne, T-1-00257
57289-63-1	Octahydro-4 <i>a</i> ,8 <i>a</i> -naphthalenediol; (4 <i>aRS</i> ,8 <i>aRS</i>)- <i>form</i> , <i>in</i> O-1-00015	58463-06-2	2,4-Diamino-2,4,6-trideoxyidose; α -D-Pyranose- <i>form</i> , Me glycoside, 3-Ac, <i>in</i> D-1-00110	59292-04-5	9-Oxo-9 <i>H</i> -xanthene-1-acetic acid, O-1-00056
57356-29-3	8-Nitro-4 <i>H</i> -1,3-benzodioxin, N-1-00014	58463-07-3	6-Deoxy-6-iodopsicose; D-Furanose- <i>form</i> , <i>in</i> D-1-00063	59292-12-5	1-(Cyanomethyl)xanthone, <i>in</i> O-1-00056
57393-62-1	3-Furanacetic acid; Et ester, <i>in</i> F-1-00072	58463-08-4	6-Deoxy-6-iodopsicose; D-Furanose- <i>form</i> , Tetrabenzoyl, <i>in</i> D-1-00063	59292-16-9	9-Oxo-9 <i>H</i> -xanthene-1-acetic acid, <i>see</i> O-1-00056
57395-49-0	10-Iodo-1-decanol, I-1-00029	58481-17-7	2-(Hydroxymethyl)-4-pyridinecarboxylic acid; Me ester, <i>in</i> H-1-00132	59292-71-6	4-Hydroxy-5-benzofurancarboxaldehyde, H-1-00057
57409-22-0	1,1-Di- <i>tert</i> -butyl-2,2-dimethyldiphosphine, D-1-00168	58497-32-8	2-Nitro-1,3-diphenyl-1-propene, N-1-00016	59292-76-1	1-Hydroxy-2-phenanthrenecarboxaldehyde, H-1-00161
57500-47-7	4-Chloro-2-furancarboxaldehyde, C-1-00099	58634-84-7	Fructofuranosyl fluoride; α -D- <i>form</i> , Tetra-Ac, <i>in</i> F-1-00068	59292-77-2	4-Hydroxy-3-phenanthrenecarboxaldehyde, H-1-00164
57500-50-2	5-Amino-2-thiophenecarboxaldehyde, A-1-00219	58645-24-2	2,4-Diamino-2,4-dideoxyidose; α -D-Pyranose- <i>form</i> , Me glycoside, 3,6-dibenzoyl, 2 <i>N</i> ,4 <i>N</i> -di-Ac, <i>in</i> D-1-00097	59396-42-8	16-Heptadecen-1-ol, H-1-00011
57527-00-1	2-(2-Iodophenyl)ethanol; Ac, <i>in</i> I-1-00055	58645-26-4	2,4-Diamino-2,4-dideoxyidose; α -D-Pyranose- <i>form</i> , Me glycoside, 2 <i>N</i> ,3,4 <i>N</i> ,4 <i>N</i> ,6-penta-Ac, <i>in</i> D-1-00097	59417-06-0	2,3-Piperazinedione; 1,4-Di-Me, <i>in</i> P-1-00122
57573-38-3	Mannopyranosyl fluoride; β -D- <i>form</i> , Tetra-Ac, <i>in</i> M-1-00004	58645-30-0	2,4-Diamino-2,4-dideoxyidose; α -D-Pyranose- <i>form</i> , Me glycoside, <i>in</i> D-1-00097	59564-59-9	3,4-Dihydro-2(1 <i>H</i>)-quinoxalinone, D-1-00329
57635-14-0	4-Chloro-2-furancarboxaldehyde; Oxime, <i>in</i> C-1-00099	58645-32-2	2,4-Diamino-2,4-dideoxyidose; α -D-Pyranose- <i>form</i> , Me glycoside, 3,6-di-Me, 2 <i>N</i> ,4 <i>N</i> -di-Ac, <i>in</i> D-1-00097	59633-90-8	Octahydro-5,5,8 <i>a</i> -trimethyl-1-methylene-2(1 <i>H</i>)-naphthalenone; (4 <i>aS</i> ,8 <i>aS</i>)- <i>form</i> , <i>in</i> O-1-00018
57635-15-1	4-Chloro-2-furancarboxaldehyde; Semicarbazone, <i>in</i> C-1-00099	58650-11-6	3-Ethynyl-1,1'-biphenyl, E-1-00035	59647-04-0	4-(2-Propenyl)quinoline, P-1-00142
57635-17-3	4-Chloro-2-furancarboxaldehyde; 2,4-Dinitrophenylhydrazone, <i>in</i> C-1-00099	58888-87-2	3-Ethylpentanoic acid, E-1-00021	59647-77-7	1,1'-(1,2-Ethynediyl)bis[3-methoxybenzene], <i>in</i> B-1-00181
57668-14-1	Phenyl (4-morpholinyl)phenylphosphinate, <i>in</i> M-1-00137	58942-13-5	Phenylphosphinediacetic acid, P-1-00092	59663-96-6	4-(Hydroxymethyl)-2-pyridinecarboxylic acid; Et ester, <i>in</i> H-1-00135
57705-60-9	2-Methylcyclobutanecarboxylic acid, <i>see</i> M-1-00044	59009-61-9	2,4-Diphenyl-1 <i>H</i> -pyrrole-3-carboxylic acid; Me ester, <i>in</i> D-1-00516	59665-24-6	1,2,2-Tribromo-3,3,4,4,5,5,6,6,6-nonafluorohexane, T-1-00152
57705-61-0	2-Methylcyclobutanecarboxylic acid; (1 <i>RS</i> ,2 <i>RS</i>)- <i>form</i> , <i>in</i> M-1-00044	59009-62-0	3-Cyano-2,4-diphenylpyrrole, <i>in</i> D-1-00516	59691-00-8	10-Chloro-5 <i>H</i> -dibenz[<i>b,f</i>]azepine, C-1-00065
57709-61-2	1,10-Phenanthroline-2,9-dicarboxylic acid, P-1-00034	59055-64-0	5-Amino-5-deoxyxylose; α -D-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 3-Me, <i>in</i> A-1-00111	59694-23-4	4-Nitro-1 <i>H</i> -pyrazole-3,5-dicarboxylic acid; Di-Me ester, <i>in</i> N-1-00034
57709-63-4	2,9-Dicyano-1,10-phenanthroline, <i>in</i> P-1-00034			59702-29-3	2,3-Piperazinedione; <i>see</i> P-1-00122
57722-05-1	9-(2-Methoxyethyl)-9 <i>H</i> -fluorene, <i>in</i> F-1-00004			59702-31-7	2,3-Piperazinedione; 1-Et, <i>in</i> P-1-00122
57793-77-8	1-(2-Aminophenyl)ethanol; (\pm)- <i>form</i> , <i>in</i> A-1-00192			59734-23-5	5-Methyl-4-octanol, M-1-00098
57808-63-6	▶ 2-Hydroxy-2-phenylcyclohexanecarboxylic acid; (1 <i>RS</i> ,2 <i>SR</i>)- <i>form</i> , <i>in</i> H-1-00169			59772-58-6	6-Amino-3-pyridazinecarboxylic acid, A-1-00204
57893-26-2	Thieno[2,3- <i>cl</i>]furazan, <i>see</i> T-1-00115			59857-86-2	1-Methyl-4-methoxycarbonyl-2-pyrrolidone, <i>in</i> O-1-00054
57897-70-8	7-Methyl-2-benzofurancarboxaldehyde, M-1-00036			59936-06-0	5-(Hydroxymethyl)-3-pyridinecarboxylic acid; Et ester, <i>in</i> H-1-00138
57915-84-1	5,6-Dichloro-3,4-dihydro-1(2 <i>H</i>)-naphthalenone, D-1-00176			59936-07-1	5-(Hydroxymethyl)-3-pyridinecarboxylic acid; Amide, <i>in</i> H-1-00138
57965-29-4	2-Fluoropropanoic acid, <i>see</i> F-1-00054				
57978-00-4	6-Bromohexanal, B-1-00300				
57984-15-3	1-Chloro-2-[(methylthio)methyl]benzene, <i>in</i> C-1-00012				

- 59941-35-4 4-Oxododecanoic acid; Et ester, *in* O-1-00044
- 60044-08-8 3-Acetyl-2-pyrrolidinone; *N*-Me, *in* A-1-00034
- 60147-18-4 3,6,9,14-Tetrathiaibicyclo[9.2.1] tetradeca-11,13-diene, T-1-00103
- 60171-51-9 Diethyl (1-methyl-1-nitroethyl) phosphonate, *in* M-1-00092
- 60171-52-0 Dipropyl (1-methyl-1-nitroethyl) phosphonate, *in* M-1-00092
- 60171-54-2 (1-Methyl-1-nitroethyl)phosphonic acid, *see* M-1-00092
- 60171-57-5 (1-Methyl-1-nitroethyl)phosphonic acid; Dichloride, *in* M-1-00092
- 60190-78-5 Trimethyl diazophosphonoacetate, *in* D-1-00118
- 60345-92-8 2-Amino-3-(3-iodo-4-hydroxyphenyl) propanoic acid, *see* A-1-00154
- 60349-75-9 2-Methyl-1,3-dithiane; 1-Oxide, (*trans*-), *in* M-1-00062
- 60349-78-2 2-Methyl-1,3-dithiane; 1-Oxide, (*cis*-), *in* M-1-00062
- 60404-24-2 3-Bromo-2-iodothiophene, B-1-00310
- 60415-97-6 3,3a,4,5,6,7-Hexahydro-1,3a-dimethyl-2*H*-inden-2-one, H-1-00040
- 60480-83-3 (2,4-Dimethylphenyl)hydrazine; Monohydrochloride, *in* D-1-00458
- 60481-36-9 (3,5-Dimethylphenyl)hydrazine, *see* D-1-00462
- 60481-51-8 (3,4-Dimethylphenyl)hydrazine; Monohydrochloride, *in* D-1-00461
- 60487-08-3 2-Oxo-5-oxalidinedicarboxylic acid; (\pm)-form, *in* O-1-00048
- 60593-27-3 Dimethyl (1-nitropropyl) phosphonate, *in* N-1-00032
- 60601-05-0 2-Hydroxyethanesulfonic acid, H-1-00093
- 60604-08-2 1-Bromo-3-phenylpropane, *see* B-1-00382
- 60609-65-6 4'-Methoxy-3',5'-dimethylacetophenone, *in* H-1-00084
- 60689-14-7 3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, *see* T-1-00209
- 60729-35-3 2-Bromo-4-iodothiophene, B-1-00308
- 60779-24-0 Butyl methyl disulfide, B-1-00428
- 60794-30-1 6-Chloro-4-phenylcinnoline; 2-Oxide, *in* C-1-00147
- 60794-31-2 6-Chloro-4-phenylcinnoline; 1-Oxide, *in* C-1-00147
- 60899-39-0 2-Dodecylinaphthalene, D-1-00551
- 60985-77-5 Dibenzo-22-crown-6, D-1-00125
- 60999-76-0 4'-Methoxy-2',6'-dimethylacetophenone, *in* H-1-00083
- 61168-97-6 2',5'-Dideoxy-5-fluorouridine, D-1-00219
- 61192-27-6 1-(Methoxymethyl)bicyclo[2.2.1] heptane, *in* B-1-00084
- 61199-72-2 3,4-Dihydro-3-methyl-1*H*-2,3-benzothiazine 2,2-dioxide, *in* D-1-00261
- 61207-43-0 5-Chloro-5-deoxyxyllose; α -D-Furanose-form, 1,2-*O*-Isopropylidene, 3-Ac, *in* C-1-00062
- 61345-82-2 Spermic acid, *see* S-1-00003
- 61362-44-5 3-Cyclohexene-1-acetic acid; (*R*)-form, *in* C-1-00197
- 61364-20-3 3,4-Dihydrocyclopent[b]indol-1(2*H*)-one, D-1-00266
- 61382-45-4 1-Iodo-3,3-dimethyl-1-butene; (*E*)-form, *in* I-1-00032
- 61385-83-9 1,1-Dicyclohexyl-2,2-diphenyldiphosphine; 2-Oxide, *in* D-1-00210
- 61385-86-2 1,1-Dicyclohexyl-2,2-diphenyldiphosphine; 1-Oxide, *in* D-1-00210
- 61426-17-3 4-Methyl-3-cyclohexene-1-carboxaldehyde; (\pm)-form, *in* M-1-00050
- 61494-01-7 3-Acetylbenzaldehyde; Bisphenylhydrazone, *in* A-1-00009
- 61501-04-0 2,2-Dimethyl-1-phenyl-1-propylamine, D-1-00463
- 61601-52-3 3-Hydroxy-8-methyl-9*H*-carbazole, H-1-00120
- 61601-53-4 3-Hydroxy-7-methyl-9*H*-carbazole, H-1-00119
- 61621-47-4 2,5-Dimethyl-1,3-cyclohexanedione, D-1-00383
- 61736-95-6 2,6-Anthracenedisulfonic acid, A-1-00235
- 61806-56-2 Bis(cyanomethyl)phenylphosphine, *in* P-1-00092
- 61822-18-2 2,7-Dimethoxycarbazole, *in* C-1-00004
- 61822-36-4 ▶ 4-Propyl-4-heptylamine, P-1-00144
- 61839-19-8 1-(Carboxymethyl)-2-imino-3-phosphonoimidazolidine, *in* C-1-00190
- 61857-84-9 3-Amino-2-quinoxalinecarboxylic acid; Hydrazide, *in* A-1-00207
- 61859-96-9 3-Trifluoromethyl-1*H*-pyrazole-4-carboxylic acid; Me ester, *in* T-1-00212
- 61893-00-3 5-Hydroxy-2,3-dimethylpyridine, H-1-00089
- 61931-80-4 Ethyllinalyl acetate, *in* D-1-00451
- 62000-69-5 4-Amino-4-methylpentanoic acid; Hydrochloride, *in* A-1-00176
- 62038-08-8 Tridecafluoroheptanenitrile, *in* T-1-00178
- 62056-46-6 1-*tert*-Butyl-4-chlorocyclohexane, B-1-00414
- 62063-00-7 4-Nitro-1*H*-pyrazole-3,5-dicarboxylic acid; Dihydrazide, *in* N-1-00034
- 62078-43-7 4-Nitro-1*H*-pyrazole-3,5-dicarboxylic acid, N-1-00034
- 62094-69-3 4-Chloro-2-mercapto-5-pyrimidinecarboxylic acid; *S*-Me, anhydride, *in* C-1-00115
- 62155-16-2 2,3-Dimethyldiphenylmethane, D-1-00393
- 62170-63-2 Diisopropyl (2-ethoxyethenyl) phosphonite, *in* E-1-00011
- 62170-64-3 Dipropyl (2-ethoxyethenyl) phosphonite, *in* E-1-00011
- 62170-65-4 Dibutyl (2-ethoxyethenyl) phosphonite, *in* E-1-00011
- 62170-66-5 Bis(2,2,3,3-tetrafluoropropyl) (2-ethoxyethenyl)phosphonite, *in* E-1-00011
- 62358-07-0 3-Hydroxycyclopentaneacetic acid, *see* H-1-00075
- 62451-84-7 3-(Trifluoromethyl)benzeneacetic acid; Me ester, *in* T-1-00191
- 62589-83-7 4-(4-Phenyl-1,3-butadienyl)benzoic acid, P-1-00053
- 62668-02-4 1,3-Diphenyl-3-propen-1-ol; (\pm)-(*E*)-form, *in* D-1-00514
- 62677-52-5 1,2,4-Triphenyl-1-buten-3-yne; (*Z*)-form, *in* T-1-00258
- 62689-88-7 3-Furanacetic acid, *see* F-1-00072
- 62781-93-5 5-Amino-4-isoquinolinecarboxylic acid, A-1-00158
- 62784-50-3 5-Iodo-1,4-naphthoquinone, I-1-00047
- 62784-60-5 3-Bromocyclohexanone, B-1-00240
- 62806-16-0 Altechromone A, H-1-00086
- 62839-70-7 1,3-Diphenyl-3-propen-1-ol; (\pm)-(*Z*)-form, *in* D-1-00514
- 62856-65-9 2,4-Dimethylhexanal; (2*R*,4*R*)-form, *in* D-1-00408
- 62871-09-4 10-Bromo-1-decene, B-1-00244
- 62972-61-6 1*H*-Benzotriazole-4(7)-carboxylic acid, B-1-00036
- 62994-31-4 1,3,6,8,10,13,16,19-Octaazabicyclo[6.6.6]icosane, *see* O-1-00002
- 63012-03-3 3-Chlorodiphenylmethanol, C-1-00090
- 63012-04-4 3-Bromodiphenylmethanol, B-1-00291
- 63069-63-6 2-Bromo-2-deoxymannose; α -D-Pyranose-form, Me glycoside, tri-Ac, *in* B-1-00261
- 63071-13-6 4-Chloro-2-pyridinecarboxaldehyde, C-1-00162
- 63087-96-7 5-Deoxy-5-iodolyxose; α -D-Furanose-form, Me glycoside, 2,3-*O*-isopropylidene, *in* D-1-00059
- 63093-31-2 3-Iodo-2-octen-1-ol; (*Z*)-form, *in* I-1-00053
- 63112-94-7 2,4-Bis(bromomethyl)benzoic acid; Me ester, *in* B-1-00126
- 63113-58-6 3-Benzoylbenzenesulfonic acid, B-1-00041
- 63226-80-2 Cyclopropylphenylmethanol; (\pm)-form, *in* C-1-00223
- 63229-37-8 1,4,5,8-Tetramethoxyanthraquinone, *in* T-1-00059
- 63324-78-7 2,4-Diphenyl-1*H*-pyrrole-3-carboxylic acid; Et ester, *in* D-1-00516
- 63328-13-2 2-Benzylpyrrolidine; (*R*)-form, *in* B-1-00076
- 63359-55-7 3-Chloroindolizine, C-1-00112
- 63362-34-5 6-(Hydroxymethyl)-3-pyridinecarboxylic acid; Ac, Me ester, *in* H-1-00140
- 63376-65-8 5-Hydroxy-6-benzofuranaldehyde, H-1-00060
- 63382-10-5 Idramantone; (\pm)-form, Ac, *in* H-1-00053
- 63387-54-2 5-Bromo-3-furancarboxaldehyde, B-1-00296
- 63405-68-5 3,3'-(1,4-Phenylene)bis-2-propenal; (*E,E*)-form, *in* P-1-00066
- 63413-08-1 1,3,6,8,10,13,16,19-Octaazabicyclo[6.6.6]icosane, O-1-00002
- 63429-85-6 1-Adamantylphosphonous acid; Difluoride, *in* A-1-00041
- 63450-00-0 4,4'-Dihydroxybibenzyl, *see* D-1-00340
- 63450-69-1 Dihexyl disulfone, *in* D-1-00255
- 63477-41-8 2-Ethoxy-5-(1-propenyl)phenol, *in* P-1-00132
- 63503-15-1 1,2,3,4-Tetrahydro-4-hydroxy-2,6-dimethylquinoline; (2*R*,5*R*)-form, *in* T-1-00037
- 63503-16-2 1,2,3,4-Tetrahydro-4-hydroxy-2,6-dimethylquinoline; (2*R*,5*R*)-form, *in* T-1-00037
- 63540-23-8 3-Ethylpentanoic acid; Me ester, *in* E-1-00021
- 63578-28-9 *P,P'*-[(Phenylphosphinidene)di-2,1-ethanediyl]bis[*N,N,N',N'*-tetramethylphosphonous diamide], P-1-00093
- 63578-30-3 *P*-[2-(Dimethylphosphino)ethyl]-*N,N,N',N'*-tetramethylphosphonous diamide, D-1-00465
- 63578-31-4 *P,P'*-[(Methylphosphinidene)di-2,1-ethanediyl]bis[*N,N,N',N'*-tetramethylphosphonous diamide], M-1-00117
- 63634-63-9 (1-Benzoyl-2-oxo-2-phenylethyl)triphenylphosphonium(1+), *see* B-1-00052
- 63634-64-0 (1-Benzoyl-2-oxo-2-phenylethyl)triphenylphosphonium(1+), *see* B-1-00052
- 63806-52-0 2,5-Dimethyl-3,4-diphenylfuran, D-1-00391
- 63819-66-9 Di-*tert*-butylamine; Hydrochloride, *in* D-1-00166
- 63822-38-8 Tetrathiafulvalenecarboxylic acid, T-1-00106
- 63822-39-9 Tetrathiafulvalenecarboxylic acid; Et ester, *in* T-1-00106

63861-26-7	2,2-Dimethylcyclopentanecarboxylic acid, D-1-00387	65842-42-4	Octanethioic acid; <i>SH-form</i> , <i>S-Ph</i> ester, in O-1-00023	67337-61-5	3-Deoxy-3-iodoallose; α -D-Furanose- <i>form</i> , 1,2,5,6-Di- <i>O</i> -isopropylidene, in D-1-00043
63861-27-8	2,2-Dimethylcyclopentanecarboxylic acid, <i>see</i> D-1-00387	65864-85-9	(1-Acetoxyethenyl)phosphonic acid, A-1-00006	67361-89-1	Tetrathiafulvalenecarboxylic acid; <i>Me</i> ester, in T-1-00106
63861-28-9	2,2-Dimethylcyclopentanecarboxylic acid; (\pm)- <i>form</i> , 4-Bromophenacyl ester, in D-1-00387	65904-40-7	6-Deoxygulopyranosyl chloride; β -L- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, 4-Me, in D-1-00042	67410-09-7	Ferrugineone; (<i>R</i>)- <i>form</i> , in M-1-00095
63877-48-5	2,4-Diisopropylbenzenesulfonic acid, D-1-00364	65910-12-5	(Phenylseleno)acetylene, P-1-00097	67421-66-3	3-Cyano-2,5-diphenylpyrrole, in D-1-00517
64042-18-8	2,4-Heptadecanedione, H-1-00009	65924-33-6	Phenyl bis(4-bromophenyl) phosphinite, in B-1-00136	67472-28-0	(4-Methoxybenzoyl)phosphonic acid; Monoanilinium salt, in M-1-00013
64142-63-8	2,3-Dihydro-4(1 <i>H</i>)-quinolinone; <i>N-Ac</i> , in D-1-00328	65942-08-7	Bicyclo[2.2.2]octane-2,3-dimethanol; (2 <i>RS</i> ,3 <i>SR</i>)- <i>form</i> , in B-1-00096	67532-95-0	(Phenylacetyl)phosphonic acid, P-1-00041
64230-60-0	2-Bromo-3-methylfuran, B-1-00330	65969-87-1	1,4,5,6,7,7a-Hexahydro-4,7a-dimethyl-2 <i>H</i> -inden-2-one, H-1-00038	67550-01-0	1-Chloro-1-octen-3-ol, <i>see</i> C-1-00135
64245-24-5	1-Iodo-3,3-dimethyl-1-butene; (<i>Z</i>)- <i>form</i> , in I-1-00032	66088-40-2	1-Methyl-2-cyclohexene-1-carboxaldehyde; (\pm)- <i>form</i> , in M-1-00046	67568-30-3	3-Amino-2-quinoxalinecarboxylic acid; <i>Amide</i> , in A-1-00207
64253-83-4	Pentafluorovinylbenzene, <i>see</i> P-1-00019	66093-07-0	5-Amino-2,3-dimethylpyridine, A-1-00128	67576-52-7	10,11-Dihydro-10,5-(iminomethano)-5 <i>H</i> -dibenzo[<i>a,d</i>]cycloheptene, <i>see</i> D-1-00293
64379-91-5	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid; (<i>E</i>)- <i>form</i> , Chloride, in T-1-00209	66123-43-1	4-(4-Hydroxyphenyl)-4-oxobutanoic acid; <i>Et</i> ester, in H-1-00171	67608-60-0	2'-Hydroxy-2-biphenylcarboxaldehyde; <i>Oxo-form</i> , in H-1-00065
64380-24-1	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00209	66126-17-8	3,4-Bis(bromomethyl)benzoic acid, <i>see</i> B-1-00129	67705-05-9	Tetrakis(trifluoromethyl)furan, T-1-00076
64520-51-0	5-Oxo-3-pyrrolidinecarboxylic acid; (\pm)- <i>form</i> , in O-1-00054	66126-18-9	1,2-Bis(bromomethyl)-3-cyanobenzene, in B-1-00125	67705-38-8	1,4,7-Triazatricyclo[5.2.1.0 ^{4,10}]decane, T-1-00144
64571-34-2	4-Cyano-2-methylpyrimidine, in M-1-00128	66190-52-1	6,7,8,9-Tetrahydro-1 <i>H</i> ,5 <i>H</i> -pyrazolo[1,2- <i>a</i>][1,2]diazepin-1-one; Hydrochloride, in T-1-00053	67801-07-4	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid; (<i>E</i>)- <i>form</i> , in T-1-00209
64598-48-7	4-Benzoyl-1,2-dihydro-5-methyl-2-phenyl-3 <i>H</i> -pyrazol-3-one, B-1-00050	66190-98-5	Bis(trimethylsilyl)(4-methoxybenzoyl) phosphonate, in M-1-00013	67803-48-9	10-Oxo-8-decenoic acid; (<i>E</i>)- <i>form</i> , <i>Me</i> ester, in O-1-00042
64608-72-6	2-(Aminomethyl)pyrrole, A-1-00182	66191-02-4	(4-Methoxybenzoyl)phosphonic acid, M-1-00013	67820-31-9	2-Chloro-2-cyclohexen-1-ol, <i>see</i> C-1-00030
64824-01-7	3-Isopropylcyclohexanol; (1 <i>RS</i> ,3 <i>SR</i>)- <i>form</i> , in I-1-00074	66309-83-9	2,6-Dimethyl-1-indanone, D-1-00419	67824-63-9	1,2-Dibromo-1-phenyl-1-propene; (<i>E</i>)- <i>form</i> , in D-1-00156
64824-02-8	3-Isopropylcyclohexanol; (1 <i>RS</i> ,3 <i>RS</i>)- <i>form</i> , in I-1-00074	66318-67-0	1-Bromo-3-phenylpropane, <i>see</i> B-1-00382	67826-81-7	1-Iodo-1-decyne, I-1-00030
64872-76-0	Butoconazole; (\pm)- <i>form</i> , in B-1-00411	66334-23-4	4-(Dimethoxymethyl)-1-methylcyclohexene, in M-1-00050	67857-74-3	2,2-Dimethyl-1,4-butanediol; Bis-4-methylbenzenesulfonyl, in D-1-00378
64872-77-1	Butoconazole nitrate, in B-1-00411	66346-69-8	1,3-Dihydro-3,3-dimethoxy-2 <i>H</i> -indol-2-one, D-1-00269	67878-83-5	6,8-Dimethylisoquinoline, D-1-00445
64919-47-7	2,4-Dimethyl-1-indanone, D-1-00417	66451-66-9	6-Chloro-6-deoxyfructose; <i>D-form</i> , in C-1-00044	67963-12-6	4-Hydroxycycloheptanone, H-1-00073
64959-93-9	4,6-Diphenylthieno[3,4- <i>c</i>]-1,2,5-oxadiazole-5- <i>S</i> ^{IV} , D-1-00522	66463-25-0	3-Ethynyl-1 <i>H</i> -pyrrole; <i>N-Me</i> , in E-1-00043	67976-61-8	3-Cyclohexene-1-acetic acid; (<i>R</i>)- <i>form</i> , <i>Me</i> ester, in C-1-00197
65082-47-5	Trifluoro(methyl)sulfur, T-1-00215	66483-40-7	(4-Methylphenyl)butanedioic acid, M-1-00103	68039-48-5	3,5-Dimethyl-3-cyclohexene-1-carboxaldehyde, D-1-00386
65113-99-7	5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methyl-2-pentanol, T-1-00240	66528-01-6	1-Phenyl-3-isoquinolinecarboxylic acid, P-1-00078	68090-01-7	3-Methylselenobenzoic acid; <i>OH-form</i> , <i>Amide</i> , in M-1-00131
65114-83-2	10-Oxo-8-decenoic acid, <i>see</i> O-1-00042	66542-65-2	2,4-Cyclohexadien-1-ol, C-1-00194	68128-93-8	2-(Hydroxymethyl)tetrathiafulvalene, H-1-00147
65130-67-8	2,4-Di- <i>tert</i> -butyl-1-fluorobenzene, D-1-00172	66542-73-2	5-Aminobicyclo[2.2.1]hept-2-ene; (1 <i>RS</i> ,5 <i>SR</i>)- <i>form</i> , <i>N-Ac</i> , in A-1-00064	68207-00-1	Dimethyldodecylethylammonium(1+); Bromide, in D-1-00402
65167-03-5	Bromethirin, <i>see</i> B-1-00222	66553-02-4	Benzil-4,4'-dicarboxylic acid; <i>Di-Me</i> ester, in B-1-00010	68381-03-3	10-Pentadecyn-1-ol, P-1-00013
65167-13-7	Bromethirin, <i>see</i> B-1-00222	66577-59-1	1,17-Heptadecanediol, H-1-00008	68449-97-8	6-Methyl-1-nitroanthraquinone, M-1-00090
65267-05-2	2-Fluorocyclohexanol, <i>see</i> F-1-00014	66587-45-9	10-Eicosene, E-1-00003	68449-99-0	7-Methyl-1-nitroanthroquinone, M-1-00091
65267-06-3	1-Fluoro-2-methoxycyclohexane, in F-1-00014	66601-74-9	2,6-Anthracenedisulfonic acid, <i>see</i> A-1-00235	68469-71-6	Phenylbis(2-pyridinyl)phosphine, P-1-00052
65383-61-1	2,3-Dihydro-6,7-dimethoxy-2,2-dimethyl-4 <i>H</i> -1-benzopyran-4-one, in D-1-00268	66616-72-6	5-Phenyl-1 <i>H</i> -indole, P-1-00076	68469-77-2	2,2'-(Phenylphosphinylidene)bispyridine, in P-1-00052
65405-70-1	4-Decenal; (<i>E</i>)- <i>form</i> , in D-1-00010	66794-41-0	2-Chloro-2-propylphosphonic acid; Dichloride, in C-1-00159	68531-68-0	3-Amino-4-cyanoisoquinoline, in A-1-00157
65474-26-2	2,5-Diphenyl-1 <i>H</i> -pyrrole-3-carboxylic acid; <i>Et</i> ester, in D-1-00517	66888-79-7	3,3'-Bis(hydroxymethyl)biphenyl, B-1-00175	68887-68-3	1 <i>H</i> -Imidazole-1-octanoic acid, I-1-00005
65476-99-5	2-Methyl-4-phenyl-1-butylamine, M-1-00104	66909-38-4	5-Amino-2-chloro-4-methylpyridine, A-1-00082	68913-67-7	3-(Cyanomethyl)furan, in F-1-00072
65484-34-6	2-Amino-2-ethyl-3-phenylpropanoic acid; (<i>S</i>)- <i>form</i> , <i>N-Ac</i> , in A-1-00134	66948-38-7	4-Benzyl-1 <i>H</i> -pyrazole, B-1-00073	68962-92-5	10,11-Dihydro-10,5-(iminomethano)-5 <i>H</i> -dibenzo[<i>a,d</i>]cycloheptene, <i>see</i> D-1-00293
65502-92-3	Allofuranosyl bromide; β - <i>D-form</i> , 2,3:5,6-Di- <i>O</i> -isopropylidene, in A-1-00045	67020-02-4	2,2-Diethyl-4-pentenoic acid, D-1-00227	69045-24-5	2-Bromo-4,5-diphenyl-1 <i>H</i> -imidazole, B-1-00287
65518-85-6	4-Amino-4-deoxyribose; β - <i>D</i> -Pyranose- <i>form</i> , Benzyl glycoside, 2,3-anhydro, in A-1-00108	67074-44-6	2-Phenylcyclopropanecarboxaldehyde, P-1-00061	69079-56-7	8,16-Dihydroxyhexadecanoic acid; (+)- <i>form</i> , in D-1-00343
65529-87-5	7,8,8-Trimethyl-4,5,6,7-tetrahydro-4,7-methano-1(2 <i>H</i>)-indazole; (+)- <i>form</i> , in T-1-00249	67085-13-6	Butoconazole, B-1-00411	69123-94-0	1-(2-Deoxy-2-fluoro- β -D-arabinofuranosyl)uracil, D-1-00016
65556-26-5	Octahydro-5,5,8a-trimethyl-1-methylene-2(1 <i>H</i>)-naphthalenone; (4 <i>aRS</i> ,8 <i>aRS</i>)- <i>form</i> , in O-1-00018	67085-14-7	Butoconazole, <i>see</i> B-1-00411	69152-89-2	10-Oxo-8-decenoic acid; (<i>E</i>)- <i>form</i> , in O-1-00042
65602-71-3	1,4-Dihydrocyclopent[<i>b</i>]indol-3(2 <i>H</i>)-one; <i>N-Ac</i> , in D-1-00265	67213-27-8	4-Methylselenobenzoic acid; <i>OH-form</i> , <i>Amide</i> , in M-1-00132	69152-91-6	10-Oxo-8-decenoic acid; (<i>Z</i>)- <i>form</i> , in O-1-00042
65648-57-9	1-Methoxy-1-penten-3-one, in O-1-00050	67237-51-8	2-Ethynyl-1 <i>H</i> -pyrrole, E-1-00042	69168-29-2	2-Fluoro-4-methylbiphenyl, F-1-00033
65830-47-9	Bicyclo[2.2.2]octane-2,3-dimethanol; (2 <i>RS</i> ,3 <i>RS</i>)- <i>form</i> , in B-1-00096	67237-52-9	2-Ethynyl-1 <i>H</i> -pyrrole; <i>N-Me</i> , in E-1-00042		
		67253-98-9	Allofuranosyl chloride; β - <i>D-form</i> , 2,3:5,6-Di- <i>O</i> -isopropylidene, in A-1-00046		
		67309-37-9	3,3-Dimethyl-1-phenyl-2-butylamine, D-1-00455		

69211-06-9	1,5-Diphenyl-3-formazancarboxylic acid; Amide, <i>in</i> D-1-00499	70551-23-4	Fructopyranosyl chloride; β -D-form, Tetraabenzoyl, <i>in</i> F-1-00070	72523-30-9	3-Amino-3-deoxyaltrose; α -D-Pyranose-form, Me glycoside, 2,3 <i>N</i> ,4,6-tetra-Ac, <i>in</i> A-1-00099
69230-00-8	1-Methyl-4-isoquinolinecarboxylic acid, <i>see</i> M-1-00079	70590-43-1	4,7-Dihydro-6-(5 <i>H</i>)-benzothiazolone, D-1-00262	72523-35-4	3-Amino-3-deoxymannose; α -D-Pyranose-form, Me glycoside, 2,3 <i>N</i> ,4,6-tetra-Ac, <i>in</i> A-1-00106
69246-22-6	(2-Ethoxyethenyl)phosphonous acid, <i>see</i> E-1-00011	70610-32-1	2,3-Dihydro-3-phenyl-1 <i>H</i> -benzo[e]phosphindole; P-Oxide, <i>in</i> D-1-00319	72571-70-1	Dipropyl chloroethynylphosphonate, <i>in</i> C-1-00094
69246-23-7	(2-Ethoxyethenyl)phosphonous acid, <i>see</i> E-1-00011	70621-82-8	2,4-Dimethylhexanoic acid, D-1-00410	72596-29-3	Diethyl (4-ethylphenyl)phosphonate, <i>in</i> E-1-00023
69246-24-8	(2-Ethoxyethenyl)phosphonous acid, <i>see</i> E-1-00011	70709-67-0	3,3'-Dihydroxybibenzyl, D-1-00339	72596-31-7	Diethyl (4- <i>tert</i> -butylphenyl)phosphonate, <i>in</i> B-1-00432
69246-25-9	(2-Ethoxyethenyl)phosphonous acid, <i>see</i> E-1-00011	70836-64-5	Methyl 6-chloro-6-deoxy- α -D-fructofuranoside, <i>in</i> C-1-00044	72678-15-0	1,5-Dimethylisoquinoline, D-1-00434
69261-17-2	2,3-Dihydro-2-thioxo-1 <i>H</i> -indole-3-acetic acid; Me ester, <i>in</i> D-1-00332	70836-65-6	Methyl-6-chloro-6-deoxy- β -D-fructofuranoside, <i>in</i> C-1-00044	72726-63-7	4-(Hydroxymethyl)-3-pyridinecarboxylic acid, H-1-00136
69370-75-8	Mannopyranosyl fluoride; α -D-form, 4,6-Di-Me, 2,3-dibenzoyl, <i>in</i> M-1-00004	71019-18-6	2-Deoxy-2-iodoaltrose; α -D-Pyranose-form, Me glycoside, <i>in</i> D-1-00046	72848-19-2	13-Chloro-1-tridecanol, C-1-00171
69370-76-9	Mannopyranosyl fluoride; α -D-form, 4,6-Di-Me, 2-benzoyl, <i>in</i> M-1-00004	71081-71-5	8-Indolizinecarboxylic acid, <i>see</i> I-1-00018	72857-25-1	Benzil-4-carboxylic acid, B-1-00008
69370-77-0	Mannopyranosyl fluoride; β -D-form, 4,6-Di-Me, 3-benzoyl, <i>in</i> M-1-00004	71092-59-6	36-Crown-12, C-1-00176	72884-72-1	$\Delta^{4,4}$ -Bi(5-oxo-2-phenyl-4(5 <i>H</i>)-oxazole), B-1-00106
69370-78-1	Mannopyranosyl fluoride; β -D-form, 4,6-Di-Me, 2-benzoyl, <i>in</i> M-1-00004	71092-60-9	42-Crown-14, C-1-00177	72884-73-2	2,6-Diphenyl[1,3]oxazino[5,4- <i>d</i>][1,3]oxazine-4,8-dione, D-1-00505
69370-79-2	Mannopyranosyl fluoride; β -D-form, 4,6-Di-Me, 2,3-dibenzoyl, <i>in</i> M-1-00004	71092-61-0	48-Crown-16, C-1-00178	72898-29-4	4-(1-Propenyl)-1,2-benzenediol, P-1-00132
69393-30-2	3,3-Dimethylcyclopentanecarboxylic acid, D-1-00388	71092-63-2	60-Crown-20, C-1-00179	72918-18-4	1,3-Dinitro-5-vinylbenzene, D-1-00487
69393-31-3	3,3-Dimethylcyclopentanecarboxylic acid; (\pm)-form, Me ester, <i>in</i> D-1-00388	71403-94-6	3-Phenylloxirane-carboxaldehyde, <i>see</i> P-1-00086	72959-94-5	2-Fluoropropanoic acid, <i>see</i> F-1-00054
69426-91-1	1,2,3-Tri- <i>tert</i> -butyltriphosphine, <i>see</i> T-1-00157	71431-36-2	Propyl ethylvinylphosphinate, <i>in</i> E-1-00031	72959-95-6	2-Fluoropropanoic acid, <i>see</i> F-1-00054
69465-26-5	5-Chloro-5-deoxyidose; β -L-Furanose-form, 1,2- <i>O</i> -Isopropylidene, <i>in</i> C-1-00048	71580-43-3	3-Ethynyl-1 <i>H</i> -pyrrole, E-1-00043	72968-86-6	4'-Fluoro-2-methylbiphenyl, F-1-00040
69551-56-0	2,2',6,6'-Tetrakis(bromomethyl)biphenyl, T-1-00066	71585-34-7	Bis(2,4-dichlorophenyl)iodonium(I+), B-1-00145	73010-83-0	10-Heptadecen-1-ol; (<i>Z</i>)-form, <i>in</i> H-1-00010
69618-94-6	3-(3-Methoxy-4,5-methylenedioxyphenyl)-2-propen-1-ol, <i>in</i> T-1-00233	71619-89-1	Tris(aminomethyl)phosphine, <i>see</i> T-1-00267	73018-98-1	3-Azido-1,2-propanediol, A-1-00255
69722-46-9	5-Acetyl-4-hydroxybenzofuran, A-1-00030	71641-09-3	Habropetalal, M-1-00028	73031-33-1	1 <i>H</i> -Imidazole-1-octanoic acid, <i>see</i> I-1-00005
69830-85-9	5-Hydroxy-2-hexenal; (<i>R,E</i>)-form, <i>in</i> H-1-00096	71787-50-3	2,2-Dimethyl-5-phenyl-1,3-dioxo-5-phospha-2-silacyclohexane, D-1-00456	73038-02-5	8-(2-Propenyl)quinoline, P-1-00143
69854-62-2	3-Isopropylcyclohexanol, <i>see</i> I-1-00074	71804-44-9	Isocynoacetic acid, I-1-00067	73058-75-0	(2,5-Dimethylphenyl)hydrazine, <i>see</i> D-1-00459
69854-66-6	3-Isopropylcyclohexanol, <i>see</i> I-1-00074	71856-95-6	3-Benzoylbenzaldehyde, B-1-00040	73139-31-8	6-Bromo-6-deoxyaltrose; α -D-Pyranose-form, Me glycoside, 4-benzoyl, 2,3-di-Ac, <i>in</i> B-1-00249
69858-37-3	Iodomethylpropanedioic acid, I-1-00044	72002-90-5	Gulopyranosyl bromide; α -D-form, Tetra-Ac, <i>in</i> G-1-00010	73140-48-4	5-Isothiazolecarboxaldehyde; Phenylhydrazone, <i>in</i> I-1-00087
69917-80-2	1 <i>H</i> -Pyrrole-2-propanoic acid; Me ester, <i>in</i> P-1-00182	72023-82-6	3-Acetyltropolone, A-1-00036	73170-30-6	2'-Hydroxy-3',5'-dimethylacetophenone; Oxime, <i>in</i> H-1-00078
70124-77-5	Flucythrinate, F-1-00001	72049-86-6	4-Oxo-7-decenoic acid; (<i>Z</i>)-form, <i>in</i> O-1-00041	73228-03-2	1-Amino-2-adamantanone; Hydrochloride, <i>in</i> A-1-00050
70173-14-7	3,7-Dimethyl-2,6-nonadienal, <i>see</i> D-1-00450	72090-73-4	3-Cyanoindolizine, <i>in</i> I-1-00017	73286-69-8	3-Methyl-2-buten-1-amine; Ac, <i>in</i> M-1-00040
70173-15-8	3,7-Dimethyl-2,6-nonadienal, <i>see</i> D-1-00450	72093-41-5	2-Fluoro-4'-methylbiphenyl, F-1-00034	73312-68-2	(Aminomethylene)propanedial; <i>N,N</i> -Di-Me, <i>in</i> A-1-00168
70218-29-0	2,7-Diiodobenzol[1,2- <i>b</i> :4,3- <i>b'</i>]dithiophene, D-1-00356	72093-42-6	3-Fluoro-4'-methylbiphenyl, F-1-00039	73340-78-0	8-Phenyladenosine, P-1-00042
70271-77-1	6-Chloro-4-hydroxy-3-quinolinecarboxylic acid; Et ester, <i>in</i> C-1-00109	72093-43-7	4-Fluoro-4'-methylbiphenyl, F-1-00042	73416-54-3	6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol; (3 <i>Z</i> ,6 <i>R</i>)-form, Propanoyl, <i>in</i> I-1-00071
70277-02-0	2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid, <i>see</i> A-1-00154	72111-57-0	5-Chloro-2,3-dicyanopyrazine, <i>in</i> C-1-00160	73416-55-4	6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol, <i>see</i> I-1-00071
70356-09-1	Avobenzene, A-1-00239	72151-44-1	2,5-Bis[(diphenylphosphino)methyl]bicyclo[2.2.1]heptane, <i>see</i> B-1-00156	73480-90-7	1,3-Dimethylisoquinoline; Picrate, <i>in</i> D-1-00432
70401-31-9	2-Methyl-5 <i>H</i> -dibenz[<i>b,f</i>]azepine, M-1-00058	72170-78-6	1,2-Dibutyl-1,2-di- <i>tert</i> -butyldiphosphine; Monoxide, <i>in</i> D-1-00167	73605-91-1	1 <i>H</i> -Benzotriazole-5(6)-carboxylic acid; Et ester, <i>in</i> B-1-00037
70442-45-4	3,4,4-Tribromo-3-buten-2-one, T-1-00149	72170-79-7	1,2-Di- <i>tert</i> -butyl-1,2-diphenyldiphosphine; Monoxide, <i>in</i> D-1-00169	73621-00-8	4-Benzoylbenzenesulfonic acid, B-1-00042
70533-07-2	Methyl diphenylphosphinecarboxylate, <i>in</i> D-1-00507	72182-04-8	1,2,3,4-Tetrahydro-1-methyl-2-naphthol; (1 <i>R</i> ,2 <i>R</i>)-form, <i>in</i> T-1-00043	73642-86-1	1-Cyano-3-undecanone, <i>in</i> O-1-00044
70551-20-1	Fructopyranosyl chloride; β -D-form, Tetrakis(<i>p</i> -nitrobenzoyl), <i>in</i> F-1-00070	72243-93-7	1-Bromo-1-octen-3-ol; (<i>S</i>)-(<i>E</i>)-form, <i>in</i> B-1-00362	73674-37-0	2-Methylcyclononane, M-1-00056
70551-21-2	Fructopyranosyl bromide; β -D-form, Tetrakis(<i>p</i> -nitrobenzoyl), <i>in</i> F-1-00069	72256-59-8	<i>N,N,N,N</i> -Tetramethyl- <i>P</i> -(2-methyl-1-propenyl)phosphonous diamide, <i>in</i> M-1-00123	73674-40-5	2-Methylcyclononane; (\pm)-form, 2,4-Dinitrophenylhydrazone, <i>in</i> M-1-00056
		72338-73-9	1 <i>H</i> -Imidazole-1-octanoic acid; Me ester, <i>in</i> I-1-00005	73719-58-1	1,1-Dimethyl-2,2-diphenyldiphosphine; 2-Sulfide, <i>in</i> D-1-00390
		72345-25-6	7,8,8-Trimethyl-4,5,6,7-tetrahydro-4,7-methano-1(2 <i>H</i>)-indazole, <i>see</i> T-1-00249	73746-44-8	4,5-Diiodo-2-methylimidazole, D-1-00358
		72348-99-3	1 <i>H</i> -Imidazole-1-octanoic acid; Hydrochloride, <i>in</i> I-1-00005	73770-42-0	6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol; (3 <i>Z</i> ,6 <i>R</i>)-form, <i>in</i> I-1-00071
		72374-17-5	5,7-Dimethylisoquinoline, D-1-00443	73770-43-1	6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol; (3 <i>E</i> ,6 <i>R</i>)-form, <i>in</i> I-1-00071
		72420-38-3	Acifran, D-1-00305		
		72479-04-0	5-(Chloromethyl)-2-pyrrolidinone; (<i>S</i>)-form, <i>in</i> C-1-00126		

73770-44-2	6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol; (3 <i>E</i> ,6 <i>R</i>)-form, Propanoyl, in I-1-00071	74853-66-0	2,2,2-Trifluoro-4'-(trifluoromethyl)acetophenone, T-1-00225	76056-14-9	1 <i>H</i> -1-Benzazepine; <i>N</i> -Benzyl, in B-1-00001
73799-68-5	4,5-Diphenyl-1 <i>H</i> -pyrrole-3-carboxylic acid; Et ester, in D-1-00520	74896-32-5	1,1,1-Ethanetricarboxylic acid; Et, Di-Me ester, in E-1-00009	76122-56-0	2,5-Bis[(diphenylphosphino)methyl]bicyclo[2.2.1]heptane, B-1-00156
73859-97-9	3,4-Dihydro-2-phenyl-1,4-benzothiazepin-5(2 <i>H</i>)-one; (±)-form, <i>S</i> -Oxide, in D-1-00321	74904-29-3	3,4-Dihydro-8-methoxy-1(2 <i>H</i>)-isoquinolinone, in D-1-00287	76137-48-9	4-Bromo-2-pentanol, B-1-00370
73882-40-3	4-Bromo-2-iodothiophene, B-1-00312	74925-18-1	3-Chloro-3-deoxyallose; α- <i>D</i> -Furanose-form, 1,2,5,6-Di- <i>O</i> -isopropylidene, in C-1-00036	76137-49-0	4-Bromo-2-pentanol; Ac, in B-1-00370
73882-41-4	3-Bromo-4-iodothiophene, B-1-00311	74958-56-8	3-Bromo-3-deoxyallose; α- <i>D</i> -Furanose-form, 1,2,5,6-Di- <i>O</i> -isopropylidene, in B-1-00245	76240-27-2	2,3-Dihydro-7-hydroxy-4 <i>H</i> -1-benzopyran-4-one, D-1-00280
73892-41-8	1,8-Bis[(diphenylphosphino)methyl]naphthalene, B-1-00160	75039-85-9	2-Tetradecen-1-ol, see T-1-00018	76348-95-3	2,3-Dihydro-6,7-dihydroxy-2,2-dimethyl-4 <i>H</i> -1-benzopyran-4-one, D-1-00268
73930-39-9	1-Phenylcyclopropylamine; Hydrochloride, in P-1-00063	75039-86-0	2-Tetradecen-1-ol; (<i>E</i>)-form, in T-1-00018	76350-77-1	2-Fluoro-3'-methylbiphenyl, F-1-00032
73930-97-9	1,3-Diphenyl-3-propen-1-ol, see D-1-00514	75096-35-4	1,3,2,4-Di- <i>O</i> -methylene-L-threitol, in T-1-00035	76419-49-3	2-Amino-6-bromohexanoic acid, see A-1-00069
73955-55-2	2-Methyl-4-pyrimidinecarboxylic acid; Me ester, in M-1-00128	75145-32-3	<i>N</i> -[4-(Phenylamino)phenyl]- <i>N</i> '-[4-[(phenylamino)phenylamino]phenyl]-1,4-benzenediamine, P-1-00043	76567-90-3	2-Amino-6-bromohexanoic acid; (<i>S</i>)-form, Hydrobromide, in A-1-00069
73961-62-3	1-Iodo-1-octen-3-ol, I-1-00051	75244-22-3	2-Fluoropropanoic acid, see F-1-00054	76597-40-5	Cyclic TMP; Na salt, in C-1-00186
74094-44-3	2,3-Dihydro-6,7-dihydroxy-7-methoxy-2,2-dimethyl-4 <i>H</i> -1-benzopyran-4-one, in D-1-00268	75247-30-2	Allopyranosyl bromide; β- <i>D</i> -form, Tetra-Ac, in A-1-00047	76635-70-6	4-Fluoro-4'-hydroxybenzophenone, see F-1-00023
74094-45-4	2,3-Dihydro-6,7-dihydroxy-2,2-dimethyl-4 <i>H</i> -1-benzopyran-4-one, see D-1-00268	75394-84-2	Tetrahydro-2 <i>H</i> -pyran-2-acetic acid, see E-1-00051	76800-61-8	1-Bromo-2-naphthalenemethanol, B-1-00350
74163-48-7	2,3-Dihydro-7-hydroxy-6-methoxy-2,2-dimethyl-4 <i>H</i> -1-benzopyran-4-one, in D-1-00268	75407-14-6	2-Phosphonoethanesulfonic acid, P-1-00120	76803-50-4	4-Amino-4-deoxyarabinose; β- <i>L</i> -Pyranose-form, Me glycoside, 2,3,4 <i>N</i> -tri-Ac, in A-1-00100
74163-48-7	1,3-Bis(bromomethyl)-5-cyanobenzene, in B-1-00130	75414-44-7	2-Deoxy-2-fluorogalactopyranosyl fluoride; β- <i>D</i> -form, Tri-Ac, in D-1-00022	76803-50-4	1,4,5,6,7,7 <i>a</i> -Hexahydro-4,7 <i>a</i> -dimethyl-2 <i>H</i> -inden-2-one; (4 <i>RS</i> ,7 <i>aRS</i>)-form, in H-1-00038
74214-82-7	1-Iodo-2-methylanthraquinone, I-1-00039	75414-45-8	2-Deoxy-2-fluoroglucopyranosyl fluoride; α- <i>D</i> -form, in D-1-00024	76838-73-8	2-Amino-3'-chlorodiphenyl ether, A-1-00076
74240-25-8	1,2-Bis(3,4-dihydroxyphenyl)-1,2-ethanediol, B-1-00150	75476-82-3	5,8-Dimethylisoquinoline, D-1-00444	77085-88-2	Butyl ethenylphenylphosphinite, in P-1-00114
74266-68-5	3-Fluoro-2-methoxybenzaldehyde, in F-1-00020	75554-31-3	(2-Ethoxyethenyl)phosphonous acid, see E-1-00011	77103-91-4	Acifran; (+)-form, in D-1-00305
74285-39-5	11,12,13-Trinor-7-calamenone, see T-1-00254	75554-32-4	(2-Ethoxyethenyl)phosphonous acid, see E-1-00011	77104-40-6	Flucythrinate, see F-1-00001
74285-39-5	11,12,13-Trinor-7-calamenone; (±)-form, 2,4-Dinitrophenylhydrazone, in T-1-00254	75554-33-5	(2-Ethoxyethenyl)phosphonous acid, see E-1-00011	77120-62-8	3-Hydroxy-5-methyl-9 <i>H</i> -carbazole, H-1-00118
74289-32-0	(4-Ethylphenyl)phosphonic acid; Dichloride, in E-1-00023	75554-34-6	(2-Ethoxyethenyl)phosphonous acid, see E-1-00011	77144-04-8	(4-Morpholinyl)phenylphosphinic acid; Chloride, in M-1-00137
74341-63-2	α-Amino-2,3-dihydro-5-methyl-3-oxo-4-isoxazolepropanoic acid; (±)-form, in A-1-00119	75574-95-7	1,2,3,4,5,6,7,8,9,10,11,12-Dodecahydro[1,4:5,8,9,12]trimethanotriphenylene; (1 <i>α</i> ,4 <i>α</i> ,5 <i>α</i> ,8 <i>α</i> ,9 <i>β</i> ,12 <i>β</i>)-form, in D-1-00547	77165-50-5	2,4-Cyclohexadien-1-ol, see C-1-00194
74422-10-9	1 <i>H</i> -1-Benzazepine; <i>N</i> -Benzoyl, in B-1-00001	75592-24-4	1,3;6,8,10,13,16,19-Octaazabicyclo[6.6.6]leicosane, see O-1-00002	77256-93-0	1,2,3-Tri- <i>tert</i> -butyltriphosphine, T-1-00157
74554-10-2	2-Deoxy-2-fluorofucopyranosyl fluoride; α- <i>L</i> -form, Di-Ac, in D-1-00021	75599-41-6	1,2,3,4,5,6,7,8,9,10,11,12-Dodecahydro[1,4:5,8,9,12]trimethanotriphenylene; (1 <i>α</i> ,4 <i>α</i> ,5 <i>α</i> ,8 <i>α</i> ,9 <i>α</i> ,12 <i>α</i>)-form, in D-1-00547	77290-89-2	2-Methyl-5-hexenoic acid, M-1-00071
74590-36-6	2,3,5-Triamino-2,3,5-trideoxyxylose; α- <i>D</i> -Furanose-form, 1,2 <i>N</i> ,3 <i>N</i> ,5 <i>N</i> -Tetra-Ac, in T-1-00142	75795-40-3	5-Nitro-1-isoquinolinecarboxylic acid, N-1-00020	77384-56-6	1,1'-(1,2-Ethynediyl)bis[4-phenoxybenzene], in B-1-00182
74593-06-9	2,5-Diamino-2,5-dideoxyribose; β- <i>D</i> -Furanose-form, Benzyl glycoside, 2 <i>N</i> ,5 <i>N</i> -di-Ac, in D-1-00100	75795-41-4	5-Nitro-1-isoquinolinecarboxylic acid; Me ester, in N-1-00020	77400-57-8	6-Iodo-5,5-dimethyl-1-hexene, I-1-00033
74593-07-0	2,5-Diamino-2,5-dideoxyribose; β- <i>D</i> -Furanose-form, Benzyl glycoside, 2 <i>N</i> ,3,5 <i>N</i> -tri-Ac, in D-1-00100	75810-26-3	2-Deoxy-2-iodotalose; α- <i>D</i> -Pyranose-form, Benzyl glycoside, 4,6- <i>O</i> -benzylidene (<i>S</i> -), in D-1-00069	77413-19-5	1,11-Dodecanediol; (±)-form, 11-Ac, in D-1-00548
74593-12-7	2,3,5-Triamino-2,3,5-trideoxyribose; β- <i>D</i> -Furanose-form, Benzyl glycoside, 2 <i>N</i> ,3 <i>N</i> ,5 <i>N</i> -tri-Ac, in T-1-00141	75844-40-5	4-Hydroxy-7-methylquinazoline, H-1-00144	77441-75-9	8,16-Dihydroxyhexadecanoic acid, see D-1-00343
74593-38-7	2,5-Diamino-2,5-dideoxyxylose; β- <i>D</i> -Furanose-form, Benzyl glycoside, 2 <i>N</i> ,5 <i>N</i> -di-Ac, in D-1-00102	75844-41-6	4-Hydroxy-5-methylquinazoline, H-1-00142	77521-29-0	α-Amino-2,3-dihydro-5-methyl-3-oxo-4-isoxazolepropanoic acid, A-1-00119
74694-98-7	4,5,7-Trihydroxy-2-naphthalenecarboxylic acid; Tri-Me ether, Me ester, in T-1-00230	75849-15-9	3-Methoxy-4'-hydroxychalcone, in D-1-00341	77628-99-0	5-Nitro-1-isoquinolinecarboxylic acid, see N-1-00020
74725-06-7	2,5-Bis(bromomethyl)benzoic acid; Me ester, in B-1-00127	75863-15-9	6-Methyl-1-hepten-4-ol, M-1-00068	77691-03-3	9-Deazaadenosine, D-1-00001
74738-22-0	3-[2-(Trifluoromethyl)phenyl]-2-propenoic acid, see T-1-00208	75966-10-8	3-Chloro-4-methyl-3-cyclobutene-1,2-dione, C-1-00117	77697-44-0	5-Aminobicyclo[2.2.1]hept-2-ene; (1 <i>RS</i> ,5 <i>RS</i>)-form, in A-1-00064
74757-21-4	1,2-Dibutyl-1,2-di- <i>tert</i> -butyldiphosphine, see D-1-00167	76002-75-0	Imidazo[1,2- <i>a</i>]quinoxaline-2-carboxylic acid, I-1-00010	77699-39-9	9-Deazaadenosine, see D-1-00001
74757-51-0	1,2-Dibutyl-1,2-di- <i>tert</i> -butyldiphosphine, see D-1-00167	76010-07-6	α-Amino-2,3-dihydro-5-methyl-3-oxo-4-isoxazolepropanoic acid; (±)-form, Hydrobromide, in A-1-00119	77699-40-2	9-Deazaadenosine; Hydrochloride, in D-1-00001
74823-40-8	1-Bromo-3-phenylpropane, see B-1-00382	76013-27-9	Imidazo[1,2- <i>a</i>]quinoxaline-2-carboxylic acid, see I-1-00010	77729-56-7	4,5,7-Trihydroxy-2-naphthalenecarboxylic acid; 5,7-Di-Me ether, 4-Ac, Me ester, in T-1-00230
		76056-09-2	1 <i>H</i> -1-Benzazepine; <i>N</i> -Ac, in B-1-00001	77729-57-8	4-Hydroxy-5,7-dimethoxy-2-naphthalenecarboxylic acid, in T-1-00230

77770-65-1	4-Bromo-4-deoxytalose; α -D-Pyranose-form, Me glycoside, tri-Ac, in B-1-00268	79426-28-1	Bicyclo[2.2.1]hept-5-ene-2,3-diylobis(methylene) bis[diphenylphosphine]; (2S*,3S*)-form, in B-1-00088	80736-38-5	1,2-Anhydro- <i>epi</i> -inositol, in E-1-00006
77842-63-8	3-Bromo-3-deoxyallose; β -D-Pyranose-form, Me glycoside, 4,6-O-benzylidene, in B-1-00245	79426-29-2	Bicyclo[2.2.1]hept-5-ene-2,3-diylobis(methylene) bis[diphenylphosphine]; (2R*,3R*)-form, in B-1-00088	80825-36-1	4-(Diethoxymethyl)-1-methylcyclohexene, in M-1-00050
77858-10-7	Ferruginone; (<i>S</i>)-form, in M-1-00095	79435-30-6	6-Amino-4-cyclohexene-1,2,3-triol, see A-1-00093	80845-23-4	Flucythrinate, see F-1-00001
77963-75-8	2,6-Dimethyl-1,5-heptadien-4-ol; (\pm)-form, Ac, in D-1-00405	79462-60-5	Bis[3-(dimethylamino)phenyl]phenylphosphine, B-1-00152	80845-25-6	Flucythrinate, see F-1-00001
78076-36-5	1-Iodo-1-pentadecyne, I-1-00054	79635-97-5	6-Bromo-6-deoxyidose; α -D-Pyranose-form, Me glycoside, tribenzoyl, in B-1-00256	80851-28-1	6-Deoxyallofuranosyl bromide; β -D-form, Tris(4-nitrobenzoyl), in D-1-00014
78096-25-0	9-Oxo-9 <i>H</i> -xanthene-2-acetic acid, see O-1-00057	79684-41-6	3-(3-Iodophenyl)-3-(trifluoromethyl)diazirene, I-1-00059	80851-32-7	6-Deoxytalofuranosyl bromide; α -L-form, Tris(4-nitrobenzoyl), in D-1-00076
78104-31-1	7-Chloro-8-nitroisoquinoline, C-1-00133	79705-04-7	3,3-Dimethyl-1,5-heptadien-4-ol, D-1-00406	80880-49-5	4-(2-Propenyl)pyridine, P-1-00139
78121-16-1	2-Methyl- δ -carboline, M-1-00041	79733-39-4	2-Bromo-2-deoxymannose; α -D-Pyranose-form, Tetra-Ac, in B-1-00261	80924-15-8	2,5-Bis[(diphenylphosphino)methyl]bicyclo[2.2.1]heptane; (1 <i>RS</i> ,2 <i>RS</i> ,5 <i>RS</i>)-form, in B-1-00156
78121-17-2	4-Methyl- δ -carboline, M-1-00042	79868-90-9	10-Oxo-8-decenoic acid, O-1-00042	80926-31-4	5-Methylcyclononanone, M-1-00057
78157-43-4	(2,6-Dimethylphenyl)hydrazine, see D-1-00460	79887-23-3	2-Chloro-1,4-diiodobenzene, C-1-00085	80926-33-6	4-Amino-1,2-benzoquinone, A-1-00058
78213-00-0	5-Hydroxy-1,3-benzodioxol-2-one, H-1-00056	79929-84-3	2-Phenylcyclopropanecarboxaldehyde, see P-1-00061	81025-03-8	Lactitol, see L-1-00001
78259-59-3	2-Bromo-4-methylfuran, B-1-00331	79947-88-9	3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, see T-1-00210	81025-04-9	Lactitol, see L-1-00001
78355-27-8	Gulopyranosyl chloride; β -L-form, 3,4,6-Tribenzyl, 2-Ac, in G-1-00011	79970-59-5	2-Iodo-2-octen-1-ol; (<i>Z</i>)-form, in I-1-00052	81113-13-5	3-(Hydroxymethyl)-4-pyridinecarboxylic acid, H-1-00134
78395-68-3	4,5,7-Trihydroxy-2-naphthalenecarboxylic acid; 5,7-Di-Me ether, Me ester, in T-1-00230	79974-85-9	2,3-Diamino-2,3-dideoxyxylose; α -D-Pyranose-form, Benzyl pyranoside, 4-benzyl, 2 <i>N</i> ,3 <i>N</i> -di-Ac, in D-1-00101	81113-14-6	2-(Hydroxymethyl)-3-pyridinecarboxylic acid, H-1-00131
78418-57-2	Gulopyranosyl bromide; β -L-form, Tetra-Ac, in G-1-00010	79974-86-0	2,3-Diamino-2,3-dideoxyxylose; β -D-Pyranose-form, 2 <i>N</i> ,3 <i>N</i> -Di-Ac, in D-1-00101	81123-84-4	6 <i>H</i> -Pyrido[2,1- <i>a</i>]isoindolium(1+); Perchlorate, in P-1-00176
78564-10-0	2-Methyl-1 <i>H</i> -indole-3-acetic acid; Me ester, in M-1-00073	79974-87-1	2,3-Diamino-2,3-dideoxyxylose; β -D-Pyranose-form, 1,2 <i>N</i> ,3 <i>N</i> ,4-Tetra-Ac, in D-1-00101	81130-97-4	2-Oxo-5-oxazolinedinecarboxylic acid; (<i>S</i>)-form, in O-1-00048
78573-85-0	1-Bromo-7-phenylheptane, B-1-00376	79974-96-2	2,3-Diamino-2,3-dideoxyxylose, see D-1-00101	81228-09-3	2,4-Difluorophenylacetic acid, D-1-00245
78758-99-3	2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid, see A-1-00154	79974-97-3	2,3-Diamino-2,3-dideoxyxylose, see D-1-00101	81330-16-7	3,3'-Dinitro-2,4'-bipyridine, D-1-00480
78774-27-3	6-Amino-4-cyclohexene-1,2,3-triol, see A-1-00093	79999-04-5	2,5-Dimethyl-3,4-diphenylpyridine, D-1-00399	81357-33-7	Dihydro-4-hydroxy-5-(iodomethyl)-2(3 <i>H</i>)-furanone, see D-1-00282
78775-59-4	(1-Ethylpropylidene)propanedioic acid; Di-Et ester, in E-1-00025	80066-72-4	5-Nitro-3-isoquinolinecarboxylic acid, N-1-00021	81418-58-8	2-(Phenylseleno)ethylamine, P-1-00098
78795-20-7	3-Aminocyclopentanemethanol, see A-1-00095	80095-65-4	Tetracyclopropylphosphonium(1+); Chloride, in T-1-00017	81526-27-4	1-Oxo-2-indanecarboxylic acid, see O-1-00046
78842-13-4	2'-Deoxy-2'-fluoroguanosine, D-1-00027	80158-99-2	1,11-Dodecanediol, D-1-00548	81554-02-1	3-Phenyl-2,5-piperazinedione; (<i>R</i>)-form, in P-1-00094
78907-33-2	4-Amino-4-deoxyxylose; β -L-Pyranose-form, Benzyl glycoside, 2,3-anhydro, in A-1-00104	80202-58-0	2,2-Dimethyl-5-phenyl-1,3-dioxo-5-phospha-2-silacyclohexane; 5-Sulfide, in D-1-00456	81601-15-2	Flucythrinate, see F-1-00001
78907-34-3	4-Amino-4-deoxyxylose; α -D-Pyranose-form, Benzyl glycoside, 2,3-anhydro, in A-1-00104	80213-06-5	3-Amino-1-phenyl-1-propanol; (\pm)-form, <i>N</i> -Benzoyl, in A-1-00199	81601-16-3	Flucythrinate, see F-1-00001
78978-70-8	3-Cyclohexyl-2-propenoic acid; (<i>Z</i>)-form, Nitrile, in C-1-00207	80254-69-9	2-Fluoro-2'-methylbiphenyl, F-1-00030	81601-17-4	Flucythrinate, see F-1-00001
78999-41-4	10-Eicosene, see E-1-00003	80254-70-2	3'-Fluoro-2-methylbiphenyl, F-1-00036	81777-19-7	3-Aminoisocrotonic acid; Me ester, in A-1-00248
78999-42-5	10-Eicosene, see E-1-00003	80254-71-3	3-Fluoro-3'-methylbiphenyl, F-1-00037	81793-05-7	4-Iodo-4-octene; (<i>E</i>)-form, in I-1-00049
79110-23-9	2,6-Dinitroacridine, D-1-00477	80314-28-9	4-Amino-1,2-benzoquinone, see A-1-00058	81800-93-3	Pregn-4-ene-3,11,20-trione, see P-1-00127
79110-24-0	2,7-Dinitroacridine, D-1-00478	80393-52-8	9-Bromo-10-cyanoanthracene, in B-1-00224	81803-40-9	1-Phenyl-3-isoquinolinecarboxylic acid; Et ester, in P-1-00078
79110-36-4	2,4-Dinitroacridine, D-1-00476	80438-65-9	1-Chloro-2,4-di- <i>tert</i> -butylbenzene, C-1-00066	81905-72-8	2,3-Diamino-2,3,6-trideoxyidose; α -L-Pyranose-form, Me glycoside, 3 <i>N</i> -benzyl, in D-1-00109
79186-49-5	2-Fluorocyclohexanol, see F-1-00014	80438-67-1	1-Chloro-3,5-di- <i>tert</i> -butylbenzene, C-1-00067	81905-73-9	2,3-Diamino-2,3,6-trideoxygulose; α -L-Pyranose-form, Me glycoside, 3 <i>N</i> -benzyl, in D-1-00108
79410-57-4	1,1,2,2,3,3,4,4,4-Nonafluoro-1-butanefulfonic acid; Trifluoromethyl ester, in N-1-00043	80540-79-0	6-(Hydroxymethyl)-2-pyridinecarboxylic acid; Ac, in H-1-00139	81905-74-0	2,3-Diamino-2,3,6-trideoxyidose; α -L-Pyranose-form, Me glycoside, in D-1-00109
79426-24-7	Bicyclo[2.2.1]hept-5-ene-2,3-diylobis(methylene) bis[diphenylphosphine]; (2 <i>RS</i> ,3 <i>RS</i>)-form, in B-1-00088	80615-42-5	Diethyl (2-hydroxy-4,6-dimethoxyphenyl)phosphonate, in T-1-00231	81905-75-1	2,3-Diamino-2,3,6-trideoxygulose; α -L-Pyranose-form, Me glycoside, in D-1-00108
79426-25-8	Bicyclo[2.2.1]hept-5-ene-2,3-diylobis(methylene) bis[diphenylphosphine]; (2 <i>RS</i> ,3 <i>RS</i>)-form, Dioxide, in B-1-00088	80636-30-2	3,4-Dihydro-3,3-dimethyl-2(1 <i>H</i>)-quinoxalinone, D-1-00272	81905-77-3	2,3-Diamino-2,3,6-trideoxyidose; α -L-Pyranose-form, Me glycoside, 3 <i>N</i> -Me, in D-1-00109
79426-26-9	Bicyclo[2.2.1]hept-5-ene-2,3-diylobis(methylene) bis[diphenylphosphine]; (2 <i>S</i> *,3 <i>S</i> *)-form, Dioxide, in B-1-00088	80736-37-4	1,2-Anhydro- <i>neo</i> -inositol, in E-1-00006	81975-74-8	Gulofuranosyl bromide; β -D-form, 2,3:5,6-Di- <i>O</i> -(ethylboranediyl), in G-1-00008
79426-27-0	Bicyclo[2.2.1]hept-5-ene-2,3-diylobis(methylene) bis[diphenylphosphine]; (2 <i>R</i> *,3 <i>R</i> *)-form, Dioxide, in B-1-00088			82064-02-6	6-Chloro-6-deoxyfructose; β -D-Furanose-form, 2,3- <i>O</i> -Isopropylidene, 1-tosyl, in C-1-00044

82166-98-1	Dihydro-4-hydroxy-5-(iodomethyl)-2(3 <i>H</i>)-furanone, <i>see</i> D-1-00282	83031-99-6	6-Deoxy-6-fluorofructose; β -D-Furanose- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, 1-tosyl, <i>in</i> D-1-00020	84524-60-7	3,3-Dimethyl-1-phenyl-2-butylamine; (\pm)- <i>form</i> , <i>in</i> D-1-00455
82263-48-7	2-Phenylcyclopropanecarboxaldehyde, <i>see</i> P-1-00061	83032-01-3	1-Bromo-1-deoxyfructose; β -D-Furanose- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, 6-benzoyl, <i>in</i> B-1-00252	84589-39-9	2-(Hydroxymethyl)-4-pyridinecarboxylic acid; Amide, <i>in</i> H-1-00132
82263-50-1	2-Phenylcyclopropanecarboxaldehyde, <i>see</i> P-1-00061	83032-07-9	1-Chloro-1-deoxyfructose; β -D-Furanose- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, <i>in</i> C-1-00042	84670-37-1	1,10-Phenanthroline-2,9-dicarboxylic acid; Dichloride, <i>in</i> P-1-00034
82316-74-3	1,3-Adamantanediphosphonic acid; Bis(dichloride), <i>in</i> A-1-00037	83032-10-4	6-Chloro-6-deoxyfructose; β -D-Furanose- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, <i>in</i> C-1-00044	84730-46-1	3-Chloro-3-deoxyglucose; β -D-Pyranose- <i>form</i> , Me glycoside, 4-(<i>N,N</i> -dimethylcarbamoyl), 2,6-di-Me, <i>in</i> C-1-00045
82382-24-9	Butoconazole, <i>see</i> B-1-00411	83032-12-6	6-Deoxy-6-iodofructose; β -D-Furanose- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, 1-tosyl, <i>in</i> D-1-00053	84936-06-1	5-Deoxy-5-iodoarabinose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, <i>in</i> D-1-00051
82461-32-3	3,6,9-Dodecatrienoic acid, <i>see</i> D-1-00549	83032-14-3	1,2-Bis(2,4,6-tri- <i>tert</i> -butylphenyl)diphosphine, B-1-00203	85064-61-5	Tetrahydro-2 <i>H</i> -pyran-4-acetic acid, T-1-00052
82495-63-4	<i>P</i> -(2-Bromophenyl)- <i>N,N,N,N'</i> -tetramethylphosphonous diamide, <i>in</i> B-1-00379	83249-14-3	3-Bromobicyclo[1.1.1]pentane-1-carboxylic acid; Me ester, <i>in</i> B-1-00229	85068-28-6	2,6-Difluorophenylacetic acid, D-1-00246
82495-64-5	<i>P</i> -(3-Bromophenyl)- <i>N,N,N,N'</i> -tetramethylphosphonous diamide, <i>in</i> B-1-00380	83264-13-5	2,2-Dimethyl-5-phenyl-1,3-dioxo-5-phospha-2-silacyclohexane, <i>see</i> D-1-00456	85167-83-5	Diethyl (5-isoxazolymethyl)phosphonate, <i>in</i> I-1-00093
82599-61-9	2,2,4,4-Tetramethyl-1,3-dithietane; <i>S,S,S',S'</i> -Tetraoxide, <i>in</i> T-1-00081	83346-02-5	1,1,3,3,8,8,10,10-Octaphenyl-1,10-diphospha-3,8-diphosphoniadecane; Dibromide, <i>in</i> O-1-00024	85175-17-3	[1]Benzopyrano[4,3- <i>b</i>]pyrrol-4(1 <i>H</i>)-one; <i>N</i> -Ph, <i>in</i> B-1-00027
82617-47-8	2-Fluoro-3-methylbiphenyl, F-1-00031	83346-03-6	1,1,3,3,8,8,10,10-Octaphenyl-1,10-diphospha-3,8-diphosphoniadecane; Dichloride, <i>in</i> O-1-00024	85175-18-4	[1]Benzopyrano[4,3- <i>b</i>]pyrrol-4(1 <i>H</i>)-one; <i>N</i> -Me, <i>in</i> B-1-00027
82668-92-6	2-Chloro-1,5-dinitro-3-(trifluoromethyl)benzene, <i>see</i> C-1-00088	83358-32-1	2'-Hydroxy-2-biphenylcarboxaldehyde; Cyclic- <i>form</i> , <i>in</i> H-1-00065	85270-00-4	4-(Phenylthio)-2-azetidione; (<i>R</i>)- <i>form</i> , <i>in</i> P-1-00111
82683-00-9	4-Eicosenoic acid; (<i>Z</i>)- <i>form</i> , <i>in</i> E-1-00004	83364-05-0	4-Amino-4-deoxyarabinose; β -L-Pyranose- <i>form</i> , 1-Dihydrogen phosphate, <i>in</i> A-1-00100	85359-73-5	15-Hexadecen-1-ol; Ac, <i>in</i> H-1-00026
82683-11-2	4-Eicosenoic acid, <i>see</i> E-1-00004	83457-06-1	3-Bromo-2-methylfuran, B-1-00332	85392-04-7	6-Decenoic acid, D-1-00011
82700-05-8	3-(Cyanomethyl)cyclohexene, <i>in</i> C-1-00196	83478-63-1	6-(Bromomethyl)-2,2'-bipyridine, B-1-00317	85465-82-3	Thymotrinan, T-1-00137
82718-62-5	1,2-Dibutyl-1,2-di- <i>tert</i> -butyldiphosphine; Monosulfide, <i>in</i> D-1-00167	83602-73-7	Dihydro-4-hydroxy-5-(iodomethyl)-2(3 <i>H</i>)-furanone, <i>see</i> D-1-00282	85465-83-4	Thymotrinan, <i>see</i> T-1-00137
82718-72-7	1,2-Dibutyl-1,2-di- <i>tert</i> -butyldiphosphine, D-1-00167	83643-88-3	α -Amino-2,3-dihydro-5-methyl-3-oxo-4-isoxazolepropanoic acid; (<i>S</i>)- <i>form</i> , <i>in</i> A-1-00119	85615-06-1	3,4-Dihydro-2 <i>H</i> -1,5-benzooxathiepin-3-ol, D-1-00259
82720-24-9	Acifran; (\pm)- <i>form</i> , <i>in</i> D-1-00305	83654-13-1	α -Amino-2,3-dihydro-5-methyl-3-oxo-4-isoxazolepropanoic acid; (<i>R</i>)- <i>form</i> , <i>in</i> A-1-00119	85617-72-7	2,2-Dichloro-1-phenylcyclopropanecarboxaldehyde, <i>see</i> D-1-00192
82729-98-4	2,2-Dimethyl-1-phenyl-1-propylamine; (<i>S</i>)- <i>form</i> , <i>in</i> D-1-00463	83810-57-5	3,4-Dihydro-4,4-dimethyl-2(1 <i>H</i>)-naphthalenone, D-1-00271	85618-16-2	(2-Aminoethyl)phosphinic acid, A-1-00135
82757-27-5	(2-Fluorobenzyl)triphenylphosphonium(1+), <i>see</i> F-1-00010	83972-10-5	4-Oxo-5-phosphononorvaline; (<i>S</i>)- <i>form</i> , <i>in</i> O-1-00053	85656-10-6	Methyl <i>P-tert</i> -butyl- <i>N</i> -methylphosphonamidate, <i>in</i> B-1-00429
82877-49-4	1-Chloro-1-deoxyfructose; α -D-Furanose- <i>form</i> , Me glycoside, tri-Ac, <i>in</i> C-1-00042	84175-12-2	4,4'-Dinitro-2,2'-bipyridine; <i>N</i> -Oxide, <i>in</i> D-1-00482	85670-53-7	4-Oxo-7-decenoic acid; (<i>Z</i>)- <i>form</i> , Me ester, <i>in</i> O-1-00041
82877-56-3	1-Chloro-1-deoxyfructose; β -D-Furanose- <i>form</i> , Me glycoside, tri-Ac, <i>in</i> C-1-00042	84194-40-1	1-Chloro-6-methylphenanthrene, C-1-00119	85688-88-6	1,1'-Dicyano-1,1'-bicyclopentyl, <i>in</i> B-1-00099
82877-67-6	Methyl 1-chloro-1-deoxy- α -D-fructofuranoside, <i>in</i> C-1-00042	84258-15-1	5-Deoxy-5-iodoribose; α -D-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, <i>in</i> D-1-00066	85741-86-2	2-Indenylphosphonous acid; Dichloride, <i>in</i> I-1-00013
82877-68-7	Methyl 1-chloro-1-deoxy- β -D-fructofuranoside, <i>in</i> C-1-00042	84346-78-1	1-(2-Hydroxy-5-methoxyphenyl)-3-methyl-2-buten-1-one, <i>in</i> D-1-00350	85820-84-4	3-Azido-1,2-propanediol; (<i>S</i>)- <i>form</i> , <i>in</i> A-1-00255
82893-16-1	5-Bromo-5-deoxyidose; β -L-Furanose- <i>form</i> , 1,2,3,6-Di- <i>O</i> -isopropylidene, <i>in</i> B-1-00255	84447-11-0	2,5,3,4-Dianhydroaltritol; <i>D</i> - <i>form</i> , 1,6-Di-Ac, <i>in</i> D-1-00111	85858-09-9	5-Acetyl-2-pyrrolidinone; (\pm)- <i>form</i> , <i>in</i> A-1-00035
82893-17-2	5-Chloro-5-deoxyidose; β -L-Furanose- <i>form</i> , 1,2,3,6-Di- <i>O</i> -isopropylidene, <i>in</i> C-1-00048	84449-11-6	2-Deoxy-2-fluorofucopyranosyl fluoride; β -L- <i>form</i> , Di-Ac, <i>in</i> D-1-00021	85867-62-5	11,12,13-Trinor-7-calamenone; (\pm)- <i>form</i> , <i>in</i> T-1-00254
82925-88-0	1-Chloro-2,2-bis(chloromethyl)butane, C-1-00026	84449-12-7	2-Deoxy-2-fluorofucopyranosyl fluoride; α -L- <i>form</i> , <i>in</i> D-1-00021	85920-81-6	10-Bromodecanal, B-1-00243
83021-21-0	(<i>L</i> -Menthyl)phosphonous dichloride, <i>in</i> I-1-00078	84518-22-9	Cetonal TM , C-1-00008	85960-51-6	Octahydrocyclopenta[<i>c</i>]pyrrole, <i>see</i> O-1-00013
83021-24-3	Dimethyl(<i>L</i> -menthyl)phosphonite, <i>in</i> I-1-00078	84518-62-7	2,5,3,4-Dianhydroaltritol; <i>D</i> - <i>form</i> , <i>in</i> D-1-00111	85982-10-1	[1,2-Naphthalenediylbis(methylene)]bis(triphenylphosphonium)(2+); Dibromide, <i>in</i> N-1-00001
83021-25-4	Diethyl(<i>L</i> -menthyl)phosphonite, <i>in</i> I-1-00078	84524-43-6	3,3-Dimethyl-1-phenyl-2-butylamine; (\pm)- <i>form</i> , Hydrochloride, <i>in</i> D-1-00455	86051-56-1	1-Methyl-3-isoquinolinecarboxylic acid; Et ester, <i>in</i> M-1-00078
83021-26-5	Diisopropyl(<i>L</i> -menthyl)phosphonite, <i>in</i> I-1-00078			86088-40-6	1,2,3,4-Tetrahydro-1-methyl-2-naphthol, T-1-00043
83021-27-6	Diphenyl(<i>L</i> -menthyl)phosphonite, <i>in</i> I-1-00078			86195-63-3	12-Dimethylcyclohexanone, <i>see</i> D-1-00382
83021-28-7	<i>P</i> -(2-Isopropyl-5-methylcyclohexyl)- <i>N,N,N,N'</i> -tetramethylphosphonous diamide, <i>in</i> D-1-00106			86195-64-4	12-Dimethylcyclohexanone, <i>see</i> D-1-00382
83031-82-7	6-Chloro-6-deoxyfructose; β -D-Furanose- <i>form</i> , Me glycoside, 1-tosyl, <i>in</i> C-1-00044			86204-35-5	2,3,5-Triamino-2,3,5-trideoxyribose; β -D-Furanose- <i>form</i> , 2 <i>N</i> ,3 <i>N</i> ,5 <i>N</i> -Tri-Ac, <i>in</i> T-1-00141
83031-91-8	6-Chloro-6-deoxyfructose; α -D-Furanose- <i>form</i> , Me glycoside, 1-tosyl, <i>in</i> C-1-00044			86204-37-7	2,5-Diamino-2,5-dideoxyxylose; α -D-Pyranose- <i>form</i> , 2 <i>N</i> ,5 <i>N</i> -Di-Ac, <i>in</i> D-1-00102
				86204-38-8	2,5-Diamino-2,5-dideoxyxylose; α -D-Pyranose- <i>form</i> , 1,2 <i>N</i> ,3,4,5 <i>N</i> -Penta-Ac, <i>in</i> D-1-00102
				86204-40-2	2,3,5-Triamino-2,3,5-trideoxyribose; β -D-Pyranose- <i>form</i> , 2 <i>N</i> ,3 <i>N</i> ,5 <i>N</i> -Tri-Ac, <i>in</i> T-1-00141

90347-97-0	1-Indolizinecarboxylic acid, I-1-00015	92344-77-9	6-Methyl-3-cyclohexene-1-methanol; (1 <i>R</i> ,6 <i>R</i>)- <i>form</i> , in M-1-00055	94570-28-2	2-Phenyl-1,3,4-thiazaphosphole-5-carboxylic acid; Et ester, in P-1-00103
90362-10-0	2',3'-Diamino-2',3'-dideoxyadenosine, D-1-00094	92344-78-0	6-Methyl-3-cyclohexene-1-methanol; (1 <i>S</i> ,6 <i>S</i>)- <i>form</i> , in M-1-00055	94581-95-0	5-Bromo-2,2':5',2"-terthiophene, B-1-00389
90409-78-2	Polifeprosan, in P-1-00129	92397-80-3	<i>N,N,N</i> -Trimethyl-2-oxoethanaminium(1+); Chloride, in T-1-00246	94726-03-1	2-Fluoropropanoic acid; (±)- <i>form</i> , Me ester, in F-1-00054
90497-61-3	4-(Phenylsulfonyl)-4-azetidinone, in P-1-00111	92424-69-6	1-Methyl-3-nitroanthraquinone, M-1-00085	94726-23-5	1-Methyl-3-isoquinolinecarboxylic acid; Me ester, in M-1-00078
90497-62-4	4-(Phenylthio)-2-azetidinone; (S)- <i>form</i> , in P-1-00111	92540-33-5	8-Bromoctanal, B-1-00360	94898-43-8	Galactopyranosyl fluoride; α- <i>D</i> - <i>form</i> , Tetrabenzyl, in G-1-00003
90829-28-0	1-Phenyl-4-isoquinolinecarboxylic acid, P-1-00079	92540-34-6	8-Bromo-1,1-dimethoxyoctane, in B-1-00360	95299-17-5	2,4-Difluorophenylacetic acid, <i>see</i> D-1-00245
90926-14-0	2-Methyl-3-phenyl-1,2-propanediol, M-1-00110	92552-17-5	10-Methyl-5 <i>H</i> -dibenz[<i>b,f</i>]azepine, M-1-00061	95641-45-5	1,3,5-Trimethyl-4 <i>H</i> -furo[3,4- <i>c</i>]pyrrole-4,6(5 <i>H</i>)-dione, in D-1-00403
91028-21-6	1,2,3,4-Tetrahydro-1-methyl-2-naphthol; (1 <i>R,S</i> ,2 <i>S,R</i>)- <i>form</i> , in T-1-00043	92566-01-3	1-Phenoxy-4-(phenylethynyl)benzene, in P-1-00072	95682-76-1	<i>P</i> -(4-Bromophenyl)- <i>N,N,N',N'</i> -tetramethylphosphonous diamide, in B-1-00381
91060-92-3	4'-Hydroxy-2',6'-dimethylacetophenone, H-1-00083	92590-71-1	3,7-Dimethyl-1,6-nonadien-3-ol, <i>see</i> D-1-00451	95691-17-1	(1-Amino-2-hydroxypropyl) phosphinic acid, A-1-00150
91318-12-6	2,5:3,4-Dianhydroaltritol; <i>D</i> - <i>form</i> , 1,6-Dibenzoyl, in D-1-00111	92674-39-0	5-Benzylpyrimidine, B-1-00075	95728-83-9	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00209
91387-31-4	3-Acetyl-4-chlorothiophene, A-1-00027	92695-13-1	2,3-Dibenzylloxirane; (1 <i>R,S</i> ,2 <i>S,R</i>)- <i>form</i> , in D-1-00133	95898-05-8	Xylopyranosyl fluoride; α- <i>D</i> - <i>form</i> , Tribenzyl, in X-1-00003
91391-31-0	2-Chloro-3-phenyl-2-cyclobuten-1-one, C-1-00148	92695-14-2	2,3-Dibenzylloxirane; (1 <i>R,S</i> ,2 <i>R,S</i>)- <i>form</i> , in D-1-00133	95918-92-6	2,2"-Dibromo-1,1':4',1"-terphenyl, D-1-00158
91469-55-5	3-Cyclopenten-1-amine; Hydrochloride, in C-1-00216	92798-12-4	Azulenol[1,2- <i>b</i>]furan, A-1-00261	95918-94-8	3,3"-Dibromo-1,1':4',1"-terphenyl, D-1-00159
91486-93-0	8,9-Dihydropyrido[1,2- <i>a</i>]indol-6(7 <i>H</i>)-one, D-1-00326	92808-59-8	<i>tert</i> -Butylmethylphosphinous chloride, in B-1-00425	95927-88-1	1-Adamantylphosphonous acid; Dibromide, in A-1-00041
91525-93-8	1-Nonen-4-ol; (R)- <i>form</i> , in N-1-00049	92808-62-3	Menthylmethylphosphinous chloride, in M-1-00077	96040-01-6	3-Hydroxy-2-nitropropanoic acid; Et ester, in H-1-00157
91633-15-7	Tetraethyl 2,5-dihydroxy-1,4-phenylenebisphosphonate, in D-1-00336	93040-58-5	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00209	96054-53-4	4-Benzoylpyridazine; Oxime, in B-1-00056
91633-16-8	2,5-Dihydroxy-1,4-benzenediphosphonic acid, D-1-00336	93297-80-4	(2-Pyridinyl)(2-thienyl)acetylene, P-1-00159	96054-54-5	4-Benzoylpyridazine, <i>see</i> B-1-00056
91633-18-0	2,3-Dihydroxy-1,4-benzenediphosphonic acid, D-1-00335	93325-15-6	2,5-Diphenyl-1 <i>H</i> -pyrrole-3-carboxylic acid, D-1-00517	96254-44-3	1,2-Di- <i>tert</i> -butyl-1,2-diphenyldiphosphine, <i>see</i> D-1-00169
91662-82-7	1,2,3-Tri- <i>tert</i> -butyltriphosphine; Di-Li salt, in T-1-00157	93372-16-8	5,5',6,6'-Tetraphenyl-3,3'-bi-1,2,4-triazine, T-1-00094	96254-45-4	1,2-Di- <i>tert</i> -butyl-1,2-diphenyldiphosphine, <i>see</i> D-1-00169
91876-86-7	4-Amino-4-deoxyxylose; <i>D</i> - <i>form</i> , 1,1-Diethyl dithioacetal, 2,3- <i>O</i> -isopropylidene, 4 <i>N</i> ,5-dibenzoyl, in A-1-00110	93404-33-2	4,4,4-Trifluoro-3-methyl-2-butenic acid, <i>see</i> T-1-00203	96691-86-0	6-Deoxy-6-iodogulose; α- <i>D</i> -Pyranose- <i>form</i> , Me glycoside, 3-benzyl, 2-tosyl, in D-1-00055
91876-87-8	4-Amino-4-deoxyxylose; <i>D</i> - <i>form</i> , 1,1-Diethyl dithioacetal, 5-benzoyl, <i>N</i> -Ac, in A-1-00110	93453-80-6	1-(4-Aminophenyl)ethanol; (±)- <i>form</i> , in A-1-00194	96691-87-1	6-Deoxy-6-iodogulose; α- <i>D</i> -Pyranose- <i>form</i> , Me glycoside, 3-benzyl, 4-benzoyl, 2-tosyl, in D-1-00055
91876-88-9	4-Amino-4-deoxyxylose; <i>D</i> - <i>form</i> , 1,1-Diethyl dithioacetal, <i>N</i> -benzoyl, 5-Ac, in A-1-00110	93465-26-0	2-Methoxy-2-biphenylcarboxaldehyde, in H-1-00065	96691-88-2	6-Deoxy-6-iodogulose; α- <i>D</i> -Pyranose- <i>form</i> , Me glycoside, 3,4-dibenzyl, 2-tosyl, in D-1-00055
91876-89-0	4-Amino-4-deoxyxylose; <i>D</i> - <i>form</i> , 1,1-Diethyl dithioacetal, <i>N</i> -benzoyl, in A-1-00110	93517-46-5	3,8-Dioxatricyclo[5.3.1.1 ^{2,6}]dodeca-4,9-diene-11,12-dione, D-1-00491	96854-79-4	Methyl diazo(diethoxyphosphinyl) acetate, in D-1-00117
91876-90-3	4-Amino-4-deoxyxylose; α- <i>D</i> -Furanose- <i>form</i> , 1,2,3,5-Di- <i>O</i> -isopropylidene, <i>N</i> -benzoyl, in A-1-00110	93588-28-4	1-(1-Adamantyl)pyridinium(1+), A-1-00042	96948-92-4	2-Methyl-3-phenyl-1,2-propanediol; (R)- <i>form</i> , in M-1-00110
91876-94-7	4-Amino-4-deoxyxylose; α- <i>D</i> -Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, <i>N</i> -Ac, in A-1-00110	93588-29-5	1-(1-Adamantyl)pyridinium(1+); Perchlorate, in A-1-00042	96998-28-6	2-Methyl-3-phenyl-1,2-propanediol; (±)- <i>form</i> , in M-1-00110
91876-95-8	4-Amino-4-deoxyxylose; α- <i>D</i> -Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 5-benzoyl, <i>N</i> -Ac, in A-1-00110	93594-04-8	2,2-Dimethyl-5-phenyl-1,3-dioxo-5-phospha-2-silacyclohexane; 5-Selenide, in D-1-00456	97033-23-3	4,4'-Dinitro-3,3'-bipyridine, D-1-00483
91876-99-2	4-Amino-4-deoxyxylose; <i>D</i> - <i>form</i> , 1,1-Diethyl dithioacetal, 4 <i>N</i> ,5-dibenzoyl, in A-1-00110	93633-48-8	Benzylphosphonous bis(diethylamide), in B-1-00071	97067-26-0	(2,4,6-Tri- <i>tert</i> -butylphenyl) phosphonodithioic acid, T-1-00156
92013-73-5	3,9-Undecadiyn-1-ol, U-1-00001	93713-94-1	(2-Isopropyl-5-methylcyclohexyl) phosphonous acid, <i>see</i> I-1-00078	97094-25-2	3-(3,4,5-Trihydroxyphenyl)-2-propen-1-ol, <i>see</i> T-1-00233
92025-81-5	(Diphenylmethyl)phosphonic acid, D-1-00504	93713-96-3	(2-Isopropyl-5-methylcyclohexyl) phosphonous acid, <i>see</i> I-1-00078	97135-49-4	<i>P</i> -Cyano- <i>N,N,N',N'</i> -tetraisopropylphosphonous diamide, C-1-00183
92151-73-0	2-(Phenylethynyl)phenol, P-1-00070	93715-86-7	6-Bromohexanal; 2,4-Dinitrophenylhydrazone, in B-1-00300	97135-54-1	<i>P</i> -(Diazomethyl)- <i>N,N,N',N'</i> -tetraisopropylphosphonous diamide, in D-1-00123
92223-90-0	1 <i>H</i> ,3 <i>H</i> -Thieno[3,4- <i>c</i>]thiophene-4,6-dicarboxylic acid, T-1-00129	93756-97-9	2-Methylselenobenzoic acid; OH- <i>form</i> , Amide, in M-1-00130	97233-03-9	3-Phenyl-2,5-pyrrolidinedione, <i>see</i> P-1-00096
92288-11-4	3-Benzoyl-2-pyrrolidinone, B-1-00058	93777-28-7	2,4-Diisopropylbenzenesulfonic acid; Chloride, in D-1-00364	97233-04-0	3-Phenyl-2,5-pyrrolidinedione, <i>see</i> P-1-00096
92340-48-2	3,6,9-Dodecatricenoic acid; (all- <i>Z</i>)- <i>form</i> , in D-1-00549	93841-84-0	10-Amino-10,11-dihydro-5 <i>H</i> -dibenz[<i>b,f</i>]azepine, <i>see</i> A-1-00118	97307-49-8	2-(1,3-Dithiol-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5- <i>b</i>][1,4]dithiin, D-1-00540
92340-87-9	1,2-Ethynediylbisphosphonic acid; Bis(tributylammonium) salt, in E-1-00032	93929-99-8	1,3,8-Trihydroxy-2-methoxyxanthone, in T-1-00060	97364-15-3	4-(1-Hydroxyethyl)benzoic acid, H-1-00094
		93958-99-7	Octamethyl[2.2]metacyclophane, O-1-00021	97411-47-7	3- <i>O</i> -α- <i>L</i> -Rhamnopyranosyl- <i>D</i> -glucose, <i>see</i> R-1-00002
		94111-75-8	3,5-Bis(bromomethyl)benzoic acid, B-1-00130		
		94281-47-7	2,3-Dihydro-8-methyl-4 <i>H</i> -1-benzothiopyran-4-one; Oxime, in D-1-00303		
		94331-87-0	2-Bromo-4,4-diphenyl-2-cyclohexene-1-one, B-1-00283		
		94405-89-7	Cyclohexyl phenyl sulfoxide; (±)- <i>form</i> , in C-1-00206		
		94570-25-9	2,5-Diphenyl-1,3,4-thiazaphosphole, D-1-00521		

- 97522-31-1 2-Benzylpyrrolidine; (*S*)-form, in B-1-00076
- 97551-97-8 3-Methylenecyclohexanol, *see* M-1-00064
- 3-Methylenecyclohexanol; (\pm)-form, in M-1-00064
- 97552-17-5 1-(Trifluoromethyl)-4-vinylbenzene, *see* T-1-00218
- 97552-18-6 1-(Trifluoromethyl)-4-vinylbenzene, *see* T-1-00218
- 97571-68-1 Perfluoro-12-crown-4, P-1-00030
- 97571-69-2 Perfluoro-15-crown-5, P-1-00031
- 97589-59-8 2-Benzylpyrrolidine; (\pm)-form, in B-1-00076
- 97611-02-4 (Aminomethyl)phenylphosphinic acid, *see* A-1-00177
- 97683-31-3 ► Egualen; Na salt, in E-1-00016
- 97749-24-1 5-Fluorotryptophan, *see* F-1-00060
- 97888-86-3 4-Hydroxy-2',3'-dimethylacetophenone; Benzyl ester, in H-1-00081
- 97908-01-5 Diethyl (3-isoxazolylmethyl)phosphonate, in I-1-00092
- 97944-40-6 4-Amino-3-chloro-2-methylpyridine, A-1-00081
- 97962-52-2 3-Amino-4-chloro-3-cyclobutene-1,2-dione; *N*-Benzyl, *N*-Ph, in A-1-00074
- 97962-64-6 3-Amino-4-chloro-3-cyclobutene-1,2-dione, A-1-00074
- 97962-70-4 3-Amino-4-chloro-3-cyclobutene-1,2-dione; *N*-Ph, in A-1-00074
- 98007-15-9 5-(Bromomethyl)-2,2'-bipyridine, B-1-00316
- 98014-25-6 2-Fluorocyclohexanol, *see* F-1-00014
- 98021-37-5 6-Amino-3-pyridazincarboxylic acid; Amide, in A-1-00204
- 98027-61-3 3-Methoxy-1*H*-pyrrole-2,5-dione, M-1-00015
- 98057-08-0 5,5'-Dibromo-2,2':5',2''-terthiophene, D-1-00162
- 98140-96-6 6-Amino-3-pyridazincarboxylic acid; Me ester, in A-1-00204
- 98386-81-3 3-[2-(Trifluoromethyl)phenyl]-2-propenoic acid; (*E*)-form, in T-1-00208
- 98431-12-0 Tetrahydro-2*H*-pyran-2-acetic acid; (\pm)-form, Chloride, in T-1-00051
- 98442-48-9 3-Methyl-2-cyclohexene-1-methanol; (\pm)-form, in M-1-00053
- 98453-19-1 2-Acetyl-3-bromothiophene; Oxime, (*E*)-, in A-1-00018
- 98453-20-4 2-Acetyl-4-bromothiophene; Oxime, (*E*)-, in A-1-00019
- 98453-22-6 2-Acetyl-4-bromothiophene; Oxime, (*Z*)-, in A-1-00019
- 98585-81-0 1-(Phenylthio)bicyclo[1.1.1]pentane, in B-1-00098
- 98587-21-4 2-C-(Hydroxymethyl)ribonic acid, *see* H-1-00146
- 98612-11-4 3-Methyl-4-octanol, *see* M-1-00097
- 98612-12-5 3-Methyl-4-octanol, *see* M-1-00097
- 98612-79-4 10-Ethoxy-10-methyl-9(10*H*)-anthracenone, in H-1-00104
- 98822-67-4 (Iodomethyl)triphenylphosphonium(1+), *see* I-1-00045
- 98856-45-2 2-Deoxy-2-fluorotalose; α -D-Pyranose-form, in D-1-00037
- 98856-46-3 2-Deoxy-2-fluorotalose; β -D-Pyranose-form, in D-1-00037
- 99075-25-9 3-Amino-2-phenylpropanoic acid; (\pm)-form, Me ester, in A-1-00198
- 99201-86-2 4-Piperidinethiol; Hydrochloride, in P-1-00125
- 99211-34-4 2-Methyl-1,3-dithiane, *see* M-1-00062
- 99211-37-7 2-Methyl-1,3-dithiane, *see* M-1-00062
- 99233-38-2 1*H*-Pyrrole-1-propanoic acid; Me ester, in P-1-00181
- 99281-35-3 6-Deoxy-6-fluorofructose; β -D-Furanose-form, in D-1-00020
- 99287-30-6 Egualen, E-1-00016
- 99299-13-5 Octahydro-4*a*(2*H*)-naphthalenol, *see* O-1-00016
- 99382-20-4 5-(Chloromethyl)-2-pyrrolidinone, C-1-00126
- 99393-49-4 ► 1,3,5-Trinitrocubane, T-1-00253
- 99393-55-2 ► 1,3,5,7-Tetranitrocubane, T-1-00092
- 99429-63-7 2-Chloro-4-hydroxy-3-quinolinecarboxylic acid, C-1-00108
- 99461-72-0 1,16-Pentacosadiene, P-1-00005
- 99591-73-8 ► Cyclodisone, in D-1-00490
- 99746-85-7 4-(Phenylthio)-2-azetidinone, *see* P-1-00111
- 99780-87-7 1,3,4,6,7,11*b*-Hexahydro-2*H*-pyrazino[2,1-*a*]isoquinoline, *see* H-1-00045
- 99780-88-8 1,3,4,6,7,11*b*-Hexahydro-2*H*-pyrazino[2,1-*a*]isoquinoline; (*R*)-form, in H-1-00045
- 99971-34-3 1,4-Di-2-thienyl-2-butene-1,4-dione, D-1-00534
- 100085-85-6 1,5,2,4-Dioxadithiepane, *see* D-1-00490
- 100134-03-0 (4-*tert*-Butylphenyl)phosphonic acid, *see* B-1-00432
- 100188-36-1 11,17-Dihydroxy-3-oxo-4-androstene-17-carboxylic acid; (11 β ,17 β)-form, in D-1-00349
- 100366-66-3 6,6'-Dibromo-2,2':6',2''-terpyridine, D-1-00161
- 100462-57-5 7,11-Pentacosadiene, P-1-00006
- 100548-25-2 *P*-(Chloromethyl)-*N,N,N',N'*-tetraethylphosphonous diamide, in C-1-00124
- 100548-28-5 *N,N,N',N'*-Tetramethyl-*P*-(trichloromethyl)phosphonous diamide, in T-1-00160
- 100665-68-7 2-Amino-2-ethyl-3-phenylpropanoic acid; (*S*)-form, in A-1-00134
- 100671-36-1 Tetraisopropylidene-1,4-dithiane, T-1-00064
- 100671-37-2 Tetraisopropylidene-1,2-dithiane, T-1-00063
- 100703-43-3 1-Cyano[2.2]paracyclophane, in P-1-00002
- 100752-90-7 5-Deoxy-5-iodoribose; α -D-Furanose-form, 1-(Dihydrogen phosphate), in D-1-00066
- 100784-66-5 1-Iodo-4-(trifluoromethyl)benzene, *see* I-1-00064
- 100784-98-3 3,5-Diphenyl-1*H*-pyrrole-2-carboxylic acid, D-1-00519
- 100866-46-4 1,4-Dimethoxycarbazole, in C-1-00003
- 100945-13-9 Trimethyl aminophosphonoacetate, in A-1-00125
- 100980-82-3 4-Hydroxy-4-biphenylcarboxaldehyde, H-1-00068
- 101066-61-9 2-Chloro-4-pyridinecarboxaldehyde, C-1-00161
- 101153-04-2 Methyl methylphosphonocyanidate, in M-1-00119
- 101219-69-6 4-(1-Hydroxyethyl)benzoic acid; (*R*)-form, Nitrile, in H-1-00094
- 101220-61-5 (Difluoromethyl)phenyl selenide, D-1-00242
- 101220-66-0 (Difluoromethyl) phenyl telluride, D-1-00243
- 101305-43-5 4-Amino-4-deoxylyxose; α -L-Pyranose-form, Me glycoside, 2-mesyl, in A-1-00104
- 101466-85-7 3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, *see* T-1-00210
- 101723-02-8 4-(4-Phenyl-1,3-butadienyl)benzoic acid, *see* P-1-00053
- 101934-50-3 3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, *see* T-1-00210
- 101947-68-6 3-Chloro-3-deoxyglucose; α -D-Pyranose-form, Me glycoside, in C-1-00045
- 102072-98-0 Crabescine, C-1-00175
- 102099-18-3 3-Aminocyclopentanemethanol, *see* A-1-00095
- 102539-66-2 3-Hydroxycyclopentanecetic acid, H-1-00075
- 102575-06-4 6,7-Dihydro-2(3*H*)-oxepinone, D-1-00316
- 102606-95-1 3-Fluorobenzyl alcohol, *see* F-1-00008
- 102606-96-2 2-Fluorobenzyl alcohol, *see* F-1-00007
- 102629-34-5 6-Methyl-3-cyclohexene-1-methanol; (1*R*,6*S*)-form, in M-1-00055
- 102685-91-6 Pentafluorovinylbenzene, *see* P-1-00019
- 102878-54-6 1,8-Dimethylisoquinoline, D-1-00437
- 102878-58-0 3,6-Dimethylisoquinoline, D-1-00440
- 102935-28-4 2',3'-Dideoxyuridine; 5'-Ac, in D-1-00220
- 103055-07-8 Lufenuron, L-1-00002
- 103055-14-7 Lufenuron, *see* L-1-00002
- 103187-14-0 1-Phenyl-1,6-hexanediol; (\pm)-form, Di-Ac, in P-1-00074
- 103199-07-1 1,3-Bis(2-bromoethyl)benzene, B-1-00123
- 103201-08-7 1,2,3,5,10,10*a*-Hexahydropyrrolo[1,2-*b*]isoquinoline-3,10-dione; (\pm)-form, in H-1-00046
- 103201-11-2 1,2,3,5,10,10*a*-Hexahydropyrrolo[1,2-*b*]isoquinoline-3,10-dione; (\pm)-form, 10-Oxime (*Z*-), in H-1-00046
- 103321-23-9 2-Chloro-2,6-dideoxyltalopyranosyl chloride; β -L-form, Di-Ac, in C-1-00074
- 103321-25-1 2-Bromo-2,6-dideoxyltalopyranosyl bromide; α -L-form, Di-Ac, in B-1-00277
- 103324-34-1 1,2,3,4-Tetrahydro-1-naphthalenethiol, T-1-00047
- 103353-98-6 10-Amino-10,11-dihydro-5*H*-dibenz[*b,f*]azepine, *see* A-1-00118
- 103633-99-4 Methyl (2-isopropyl-5-methylcyclohexyl)phosphinothioic chloride, *see* M-1-00076
- 103634-00-0 Methyl (2-isopropyl-5-methylcyclohexyl)phosphinothioic chloride, *see* M-1-00076
- 103667-69-2 (2-Isopropyl-5-methylcyclohexyl)phenylphosphinous chloride, *see* I-1-00076
- 103667-70-5 Methylphenylphosphinous chloride, in I-1-00076
- 103680-47-3 (3-Aminopropyl)phosphinic acid, A-1-00203
- 103703-02-2 Idopyranosyl bromide; α -L-form, 3-Benzyl, tri-Ac, in I-1-00002
- 103794-52-1 *N,N,N',N'*-Tetraethyl-*P*-(2-methyl-1-propenyl)phosphonous diamide, in M-1-00123
- 103808-94-2 2-Amino-3-cyclohexylpropanol, A-1-00094
- 103953-56-6 Methyl (2-isopropyl-5-methylcyclohexyl)phosphinothioic chloride, *see* M-1-00076
- 103953-57-7 Methyl (2-isopropyl-5-methylcyclohexyl)phosphinothioic chloride, *see* M-1-00076
- 103953-58-8 Methylphosphonothioic dichloride, in I-1-00077
- 103960-04-9 2-Deoxy-2-fluoroglucopyranosyl fluoride; β -D-form, in D-1-00024
- 103965-75-9 2-Amino-3-methylpyrazine; 1-Oxide, in A-1-00179

103965-76-0	2-Amino-3-methylpyrazine; 4-Oxide, <i>in</i> A-1-00179	105865-34-7	2-Phenyl-1,3-benzoxaphosphole, P-1-00049	107395-20-0	[1-Amino-2-(3,4-dihydroxyphenyl)ethyl]phosphonic acid, <i>see</i> A-1-00124
103965-77-1	2-Amino-5-methylpyrazine; 4-Oxide, <i>in</i> A-1-00180	105919-36-6	3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00210	107439-33-8	[1-Amino-2-(3,4-dihydroxyphenyl)ethyl]phosphonic acid; (<i>S</i>)-form, <i>in</i> A-1-00124
104012-57-9	<i>tert</i> -Butyl(2-isopropyl-5-methylcyclohexyl)phosphinous chloride, <i>see</i> B-1-00425	105927-50-2	3-Hydroxy-1-phenyl-1-butanone; (\pm)-form, <i>in</i> H-1-00167	107439-34-9	[1-Amino-2-(3,4-dihydroxyphenyl)ethyl]phosphonic acid; (<i>R</i>)-form, <i>in</i> A-1-00124
104012-58-0	<i>tert</i> -Butyl(2-isopropyl-5-methylcyclohexyl)phosphinous chloride, <i>see</i> B-1-00425	105944-81-8	Di-1-adamantylmethylphosphine, D-1-00081	107439-36-1	[1-Amino-2-(3,4-dihydroxyphenyl)ethyl]phosphonic acid, <i>see</i> A-1-00124
104114-99-0	3-(Diphenylphosphino)pyridine, D-1-00511	105953-27-3	5-Chloro-5-deoxyarabinose; β -L-Furanose-form, 1,2- <i>O</i> -Isopropylidene, 3-mesyl, <i>in</i> C-1-00041	107468-09-7	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00209
104115-44-8	2-Oxocyclopentaneacetic acid; (\pm)-form, <i>in</i> O-1-00040	105953-28-4	5-Chloro-5-deoxyxylose; α -D-Furanose-form, 1,2- <i>O</i> -Isopropylidene, 3-mesyl, <i>in</i> C-1-00062	107599-43-9	6-Deoxy-6-iodoallose; α -D-Pyranose-form, Me glycoside, 3-(tetrahydropyran-2-yl), 2-Ac, <i>in</i> D-1-00045
104130-97-4	[1-Amino-2-(3,4-dihydroxyphenyl)ethyl]phosphonic acid, <i>see</i> A-1-00124	105953-29-5	5-Chloro-5-deoxyxylose; α -D-Furanose-form, 1,2- <i>O</i> -Isopropylidene, <i>in</i> C-1-00062	107643-29-8	α -Phenyloxiranemethanol; (α R,2 <i>S</i>)-form, <i>in</i> P-1-00087
104197-13-9	4-Bromo-2,6-difluorophenol, B-1-00279	105956-71-6	3-Methyl-1-isoquinolinecarboxylic acid, M-1-00080	107643-32-3	α -Phenyloxiranemethanol; (α S,2 <i>S</i>)-form, <i>in</i> P-1-00087
104197-14-0	5-Bromo-1,3-difluoro-2-methoxybenzene, <i>in</i> B-1-00279	106023-34-1	2-Deoxy-2-iodoaltrose; α -D-Pyranose-form, Me glycoside, tri-Ac, <i>in</i> D-1-00046	107700-34-5	1,4,2-Diazaphospholo[4,5- <i>a</i>]pyridine, D-1-00114
104201-66-3	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00209	106023-35-2	3-Bromo-3-deoxyallose; β -D-Pyranose-form, Tetra-Ac, <i>in</i> B-1-00245	107748-37-8	1 <i>H</i> -Pyrrole-3-propanoic acid, <i>see</i> P-1-00183
104292-62-8	4-Bromo-4-deoxyxylose; α -L-Pyranose-form, Benzyl glycoside, <i>in</i> B-1-00259	106203-46-7	2-(Hydroxymethyl)-3-methoxy-4 <i>H</i> -pyran-4-one, <i>in</i> H-1-00100	107751-31-5	4-(1-Hydroxyethyl)benzoic acid, <i>see</i> H-1-00094
104292-63-9	4-Bromo-4-deoxyxylose; α -D-Pyranose-form, Benzyl glycoside, <i>in</i> B-1-00259	106366-41-0	2-Benzylpyrrolidine; (\pm)-form, Picrate, <i>in</i> B-1-00076	107904-01-8	2-Cyanothiomorpholine, <i>in</i> T-1-00134
104639-83-0	[1-Amino-2-(3,4-dihydroxyphenyl)ethyl]phosphonic acid; (<i>S</i>)-form, 3,4-Di-Me ether; di-Et ester, <i>in</i> A-1-00124	106429-67-8	5(6)-(Hydroxymethyl)benzotriazole, H-1-00112	107996-98-5	2,3-Methylenedioxyanthraquinone, M-1-00066
104806-91-9	Cistanoside I, <i>in</i> R-1-00002	106515-31-5	Pyrido[2,3- <i>b</i>][1,4]benzothiazepin-6(5 <i>H</i>)-one, P-1-00168	108082-57-1	2,2-Dimethyl-1-phenyl-1-propylamine; (<i>S</i>)-form, Hydrochloride, <i>in</i> D-1-00463
104808-87-9	2-Oxocyclopentaneacetic acid; (\pm)-form, Et ester, <i>in</i> O-1-00040	106515-32-6	Pyrido[4,3- <i>b</i>][1,4]benzothiazepin-10(11 <i>H</i>)-one, P-1-00169	108224-15-3	Mannopyranosyl fluoride; β -D-form, 2,6-Anhydro, <i>in</i> M-1-00004
104899-38-9	1,14-Tricosadiene; (<i>Z</i>)-form, <i>in</i> T-1-00165	106568-95-0	2,2'-Dibenzoylbiphenyl; Mono(ethylene ketal), <i>in</i> D-1-00130	108340-94-9	[2.2]Paracyclophane-4-carboxylic acid; (<i>R</i>)-form, <i>in</i> P-1-00003
104899-39-0	1,16-Pentacosadiene; (<i>Z</i>)-form, <i>in</i> P-1-00005	106569-08-8	2,2'-Dibenzoylbiphenyl; Bis(ethylene ketal), <i>in</i> D-1-00130	108391-82-8	6-Fluorotryptophan, <i>see</i> F-1-00061
104899-40-3	1,18-Heptacosadiene; (<i>Z</i>)-form, <i>in</i> H-1-00007	106569-09-9	2,2'-Dibenzoylbiphenyl; Dioxime, <i>in</i> D-1-00130	108393-17-5	Xylopyranosyl fluoride; β -D-form, <i>in</i> X-1-00003
104899-41-4	1,20-Nonacosadiene; (<i>Z</i>)-form, <i>in</i> N-1-00040	106650-76-4	4-Methoxy-1-nonene, <i>in</i> N-1-00049	108441-51-6	3'-Azido-5-chloro-2',3'-dideoxyuridine, A-1-00250
104899-43-6	1,14-Tricosadiene; (<i>E</i>)-form, <i>in</i> T-1-00165	106750-01-0	Gabosine B, <i>in</i> T-1-00228	108464-51-3	Cyclic CMP, <i>see</i> C-1-00185
104899-44-7	1,16-Pentacosadiene; (<i>E</i>)-form, <i>in</i> P-1-00005	106756-94-9	1-Nonen-4-ol; (\pm)-form, <i>in</i> N-1-00049	108764-27-8	Diazodithoxyphosphinyl)acetic acid, D-1-00117
104899-45-8	1,18-Heptacosadiene; (<i>E</i>)-form, <i>in</i> H-1-00007	106795-58-8	(2-Fluorobenzyl)triphenylphosphonium(1+); Chloride, <i>in</i> F-1-00010	108802-08-0	6-Bromo-6-deoxyidose; β -D-Furanose-form, 1,2- <i>O</i> -Isopropylidene, 3,5-dibenzoyl, <i>in</i> B-1-00256
104899-46-9	1,20-Nonacosadiene; (<i>E</i>)-form, <i>in</i> N-1-00040	106865-76-3	1,1,14,14-Tetramethyl-10,11-methano-1 <i>H</i> -benzo[5,6]cycloocta[1,2,3,4- <i>def</i>]fluorene, T-1-00084	108803-49-2	Ethyl 5-hydroxy-2-phosphorincarboxylate, <i>in</i> H-1-00172
105052-38-8	2-Nitronaphtho[1,8- <i>bc</i>]pyran, N-1-00026	106891-00-3	1,2,3,4-Tetrahydro-4-methyl-3-isoquinolinecarboxylic acid, T-1-00041	108944-89-4	Octahydro-5,5,8a-trimethyl-1-methylene-2(1 <i>H</i>)-naphthalenone; (4 <i>aR</i> ,8 <i>aR</i>)-form, <i>in</i> O-1-00018
105072-20-6	3,4,5-Trimethoxycinnamyl isovalerate, <i>in</i> T-1-00233	106924-48-5	5-Hydroxy-1-cyclopentene-1-carboxylic acid, <i>see</i> H-1-00076	108963-90-2	3-Methyl-2-buten-1-amine, <i>see</i> M-1-00040
105223-25-4	2-Methylselenobenzoic acid, M-1-00130	106966-39-6	4-Bromo-4-deoxyxylose; α -L-Pyranose-form, Me glycoside, 2,3-anhydro, <i>in</i> B-1-00259	109008-12-0	Nerifol, <i>in</i> D-1-00343
105223-27-6	4-Methylselenobenzoic acid, M-1-00132	106974-96-3	4-(Phenylthio)-2-azetidinone; (\pm)-form, <i>in</i> P-1-00111	109012-12-6	1,1-Dicyclohexyl-2,2-diphenyldiphosphine; 1-Sulfide, <i>in</i> D-1-00210
105262-74-6	3-Benzylidene-2(3 <i>H</i>)-furanone, <i>see</i> B-1-00069	107145-38-0	1,4,7,10-Tetrakis[2-(dihydroxyphosphinyl)ethyl]-1,4,7,10-tetraazacyclododecane, T-1-00069	109341-49-3	2,3-Dihydro-1 <i>H</i> -benz[<i>f</i>]inden-1-one, D-1-00258
105309-80-6	(Diazomethylene)bis[phosphonous bis(diisopropylamide)], <i>in</i> D-1-00121	107326-18-1	4-Phenylthiazolidine, P-1-00105	109380-10-1	2-Chloro-2-cyclohexen-1-ol; (\pm)-form, <i>in</i> C-1-00030
105361-86-2	3-Nitrosobiphenyl, N-1-00037	107326-19-2	5-Phenylthiazolidine, P-1-00106	109380-18-9	2-Chloro-2-cyclohexen-1-ol; (\pm)-form, Ac, <i>in</i> C-1-00030
105367-92-8	3 <i>a</i> ,4,7 <i>a</i> -Tetrahydro-4,7-methano-1 <i>H</i> -inden-1-ol; (1 <i>S</i> ,3 <i>aR</i> ,4 <i>R</i> ,7 <i>S</i> ,7 <i>aR</i>)-form, <i>in</i> T-1-00040	107369-34-6	Biphenyleno[2,3- <i>a</i>]biphenylene, B-1-00109	109541-67-5	5-Hydroxy-2-phosphorincarboxylic acid, H-1-00172
105406-27-7	(2-Aminooxyethyl)phosphonic acid, <i>see</i> A-1-00188	107395-12-0	[1-Amino-2-(3,4-dihydroxyphenyl)ethyl]phosphonic acid, <i>see</i> A-1-00124	109541-69-7	5-Hydroxy- <i>N,N</i> -dimethyl-2-phosphorincarboxamide, <i>in</i> H-1-00172
105406-29-9	(2-Aminooxyethyl)phosphonic acid, A-1-00188	107395-18-6	Diethyl [1-amino-(3,4-dimethoxyphenyl)ethyl]phosphonate, <i>in</i> A-1-00124	109681-64-3	6-Deoxy-6-iodoallose; α -D-Pyranose-form, Me glycoside, 2,3-dibenzoyl, 4-Ac, <i>in</i> D-1-00045
105511-96-4	CGA 184927, C-1-00009	107395-19-7	[1-Amino-2-(3,4-dihydroxyphenyl)ethyl]phosphonic acid, <i>see</i> A-1-00124	109788-69-4	4-Oxopentadecanoic acid, O-1-00049
105512-06-9	CGA 184927; (<i>R</i>)-form, <i>in</i> C-1-00009			109802-64-4	3-Phenyl-4-isoquinolinecarboxylic acid; Et ester, <i>in</i> P-1-00080
105650-23-5	1-Methyl-6-phenyl-1 <i>H</i> -imidazo[4,5- <i>b</i>]pyridin-2-amine, <i>in</i> A-1-00195				
105735-20-4	3-Hydroxy-1-phenyl-1-butanone; (<i>S</i>)-form, <i>in</i> H-1-00167				

109856-84-0	Heptyloxirane; (<i>S</i>)- <i>form</i> , in H-1-00021	112348-34-2	4-Bromo-4-deoxyxylose; β -L-Pyranose- <i>form</i> , Benzyl glycoside, 2-benzoyl, in B-1-00259	114544-80-8	Bromuconazole, <i>see</i> B-1-00406
109909-33-3	1,5,9,13-Tetrathiacyclohexadecane-3,11-diol, T-1-00105	112348-35-3	4-Bromo-4-deoxyxylose; β -L-Pyranose- <i>form</i> , Benzyl glycoside, dibenzoyl, in B-1-00259	114709-63-6	2-Amino-4'-chlorodiphenyl ether; Hydrochloride, in A-1-00077
109914-66-1	Idopyranosyl chloride; α -L- <i>form</i> , 2,3,4-Tribenzoyl, 6-(chloroacetyl), in I-1-00003	112348-36-4	4-Bromo-4-deoxyxylose; β -L-Pyranose- <i>form</i> , Benzyl glycoside, in B-1-00259	114764-49-7	3-Hydroxycyclohexanone, <i>see</i> H-1-00074
109988-32-1	3 δ^2 ,3 λ^4 -1,3,5,2,4,6-Trithiatriazepine-7-carboxylic acid; <i>tert</i> -Butyl ester, in T-1-00283	112368-54-4	2-Bromo-4'-fluoroacetophenone, <i>see</i> B-1-00294	114862-89-4	1,1',3,3'-Tetrahydro-1,1',3,3',4,4',5,5'-octaphenylbi-1,3-diphosphol-2-ylidene, T-1-00048
110139-91-8	Lufenuron, <i>see</i> L-1-00002	112401-10-2	Tri-2-thienylmethylum(1+); Perchlorate, in T-1-00284	114912-49-1	4-Amino-4-deoxymannose; D- <i>form</i> , in A-1-00107
110187-19-4	Ostapanic acid, in D-1-00492	112483-00-8	3-Bromo-3-deoxyxylose; α -D-Pyranose- <i>form</i> , Benzyl glycoside, dibenzoyl, in B-1-00271	114925-88-1	6-Deoxy-6-iodoallose, <i>see</i> D-1-00045
110428-39-2	(Iodomethyl) triphenylphosphonium(1+), <i>see</i> I-1-00045	112483-17-7	3-Bromo-3-deoxyxylose, <i>see</i> B-1-00271	114925-89-2	6-Deoxy-6-iodoallose, <i>see</i> D-1-00045
110520-78-0	2-Chloro-2-propylphosphonic acid; Mono-Me ester, in C-1-00159	112515-71-6	Acalyphol acetate, in P-1-00004	115093-99-7	3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00210
110538-86-8	[2-(Dimethylamino)phenyl] phosphonous acid; Bis(diethylamide), in D-1-00370	112622-02-3	1-Methyl-3-cyclohexene-1-carboxaldehyde; (\pm)- <i>form</i> , in M-1-00047	115401-40-6	5-Hydroxy-1-cyclopentene-1-carboxylic acid; (\pm)- <i>form</i> , Et ester, in H-1-00076
110538-87-9	[2-(Dimethylamino)phenyl] phosphonous acid; Dichloride, in D-1-00370	112663-80-6	2-Oxo-5-oxazolidinecarboxylic acid; (<i>S</i>)- <i>form</i> , Benzyl ester, in O-1-00048	115505-46-9	1,3-Epithio-1 <i>H</i> ,3 <i>H</i> -naphtho[1,8- <i>c,d</i>][1,2,6]thiadiphosphorin 1,3-disulfide, E-1-00005
110538-89-1	[2-(Dimethylamino)phenyl] phosphonous acid; Difluoride, in D-1-00370	112671-75-7	1-(1-Adamantyl)pyridinium(1+), <i>see</i> A-1-00042	115525-54-7	Tri-1-azulenylmethane, T-1-00146
110548-55-5	Cyclopropylphenylmethanol, <i>see</i> C-1-00223	113048-68-3	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00209	115692-65-4	3,3 <i>a</i> ,4,5,6,7-Hexahydro-1,3 <i>a</i> -dimethyl-2 <i>H</i> -inden-2-one; (<i>R</i>)- <i>form</i> , in H-1-00040
110548-56-6	Cyclopropylphenylmethanol, <i>see</i> C-1-00223	113053-50-2	1 <i>H</i> -Benzotriazole-5(6)-carboxylic acid; Me ester, in B-1-00037	115782-79-1	6-Iodo-1,4-naphthoquinone, I-1-00048
110569-94-3	41,42,43,44,45,46,47,48-Octamethoxynonacyclo[35.3.1.1 ^{2,6} .1 ¹¹ .11 ^{12,16} .1 ^{17,21} .1 ^{22,26} .1 ^{27,31} .1 ^{32,36}]octatetraconta-1(41),2,4,6(48),7,9,11(47),12,14,16(46),17,19,21(45),22,24,26(44),27,29,31(43),32,34,36(42),37,39-tetracosane, O-1-00020	113428-14-1	1-Bromo-1-octen-3-ol; (<i>R</i>)-(<i>Z</i>)- <i>form</i> , in B-1-00362	115822-11-2	3-Amino-5-phenyl-1,2,4-oxadiazole; <i>N</i> -Me, in A-1-00196
110606-92-3	2-Chloro-2,3-dihydro-1,4,2-benzodioxaphosphorin; 2-Oxide, in C-1-00077	113431-17-7	2,3,6,7-Anthracenetetracarboxylic acid; Tetra-Me ester, in A-1-00236	116013-31-1	6-Bromo-6-deoxyallose; α -D-Pyranose- <i>form</i> , Me glycoside, 4-benzoyl, 2,3-di-Ac, in B-1-00246
110654-43-8	3,4-Dihydro-1 <i>H</i> -2,3-benzothiazine; <i>N</i> -Isopropyl, <i>S,S</i> -dioxide, in D-1-00261	113452-05-4	3,4-Bis(phenylphosphino)pyrrolidine; (3 <i>R</i> ,4 <i>R</i>)- <i>form</i> , in B-1-00196	116051-89-9	Cyclo(histidylhistidyl); (3 <i>R</i> ,6 <i>S</i>)- <i>form</i> , in C-1-00208
110654-44-9	3,4-Dihydro-1 <i>H</i> -2,3-benzothiazine; <i>N</i> -Benzyl, <i>S,S</i> -dioxide, in D-1-00261	113452-08-7	3,4-Bis(phenylphosphino)pyrrolidine, <i>see</i> B-1-00196	116127-91-4	1,3-Diphenyl-3-propen-1-ol, <i>see</i> D-1-00514
110788-38-0	<i>N,N,N',N'</i> -Tetraethyl- <i>P</i> -(trichloromethyl)phosphonous diamide, in T-1-00160	113452-11-2	3,4-Bis(phenylphosphino)pyrrolidine; (3 <i>R</i> ,4 <i>R</i>)- <i>form</i> , 1-Benzyl, in B-1-00196	116178-80-4	(1-Benzoyl-2-oxo-2-phenylethyl) triphenylphosphonium(1+); Perchlorate, in B-1-00052
110914-06-2	5-Uridinecarboxylic acid; Amide, in U-1-00007	113452-14-5	3,4-Bis(phenylphosphino)pyrrolidine, <i>see</i> B-1-00196	116255-48-2	Bromuconazole, B-1-00406
111192-82-6	(2-Isopropylphenyl)phosphonic acid, I-1-00080	113613-10-8	Methyl (2-isopropyl-5-methylcyclohexyl)phosphinothioic chloride, in M-1-00076	116270-29-2	3-Aminocrotonic acid; Me ester, in A-1-00248
111193-12-5	(2-Isopropylphenyl)phosphonic acid, <i>see</i> I-1-00080	113613-11-9	Menthylmethylphosphinothioic chloride, in M-1-00076	116414-89-2	1-Chloro-1-octen-3-ol, <i>see</i> C-1-00135
111292-47-8	2,3-Dihydro-4(5 <i>H</i>)-oxepinone, D-1-00315	113613-12-0	Methyl (2-isopropyl-5-methylcyclohexyl)phosphinothioic chloride, <i>see</i> M-1-00076	116500-94-8	1-Chloro-1-octen-3-ol; (<i>S</i>)-(<i>E</i>)- <i>form</i> , in C-1-00135
111457-62-6	Kyuphane, K-1-00001	113613-13-1	Methyl (2-isopropyl-5-methylcyclohexyl)phosphinothioic chloride, <i>see</i> M-1-00076	116509-19-4	3 δ^2 ,3 λ^4 -1,3,5,2,4,6-Trithiatriazepine-7-carboxylic acid, T-1-00283
111556-29-7	5-Benzoyl-2-pyrrolidinone; (\pm)- <i>form</i> , in B-1-00059	113613-14-2	Methyl (2-isopropyl-5-methylcyclohexyl)phosphinothioic chloride, <i>see</i> M-1-00076	116577-12-9	3-[3-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00209
111570-90-2	5-Deoxy-5-iodoribose; β -D-Furanose- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, 1-Ac, in D-1-00066	113613-15-3	Methyl (2-isopropyl-5-methylcyclohexyl)phosphinothioic chloride, <i>see</i> M-1-00076	116660-74-3	3-Hydroxy-1-phenyl-1-butanone, <i>see</i> H-1-00167
111670-81-6	(Tricyanomethyl)phosphonic acid; Bis(2-methylpropyl) ester, in T-1-00169	114070-56-3	(2,4,6-Triisopropylphenyl) phosphonic acid; Dichloride, in T-1-00235	116754-58-6	13-Bromo-1-tridecanol, B-1-00401
111675-63-9	2,4-Dimethyl-1-hexanol, <i>see</i> D-1-00411	114133-37-8	3-Amino-1-phenyl-1-propanol; (<i>S</i>)- <i>form</i> , <i>N</i> -Me, in A-1-00199	116831-41-5	1,1,2,2,3,3,4,4,4-Nonafluoro-1-butanefulfonic acid; Ag salt, in N-1-00043
111678-25-2	3-(2-Propenyl)quinoline, P-1-00141	114192-72-2	3-Deoxy-3-iodoallose; α -D-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, in D-1-00043	117129-63-2	Idopyranosyl bromide; α -L- <i>form</i> , 2,3,4-Tribenzoyl, 6-Ac, in I-1-00002
111678-66-1	3-(2-Propenyl)quinoline; Picrate, in P-1-00141	114192-73-3	3-Deoxy-3-iodoallose; α -D-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 5,6-dimesyl, in D-1-00043	117139-60-3	2-Chloro-3-pentanone; (\pm)- <i>form</i> , in C-1-00140
111731-38-5	3-(Phenylethynyl)phenol, P-1-00071	114496-50-3	[(4-Formylphenyl)methyl] phosphonic acid, F-1-00066	117160-99-3	2-Amino-3-cyclohexylpropanol; (<i>S</i>)- <i>form</i> , in A-1-00094
111960-27-1	1-Benzoylcarbazole, B-1-00045	114531-20-3	3-Phenyl-2,5-pyrrolidinedione; (<i>R</i>)- <i>form</i> , in P-1-00096	117271-76-8	5,12,19,26-Tetraazoniaheptacyclo[24.2.2.2 ^{2,5} .2 ^{7,10} .2 ^{12,15} .2 ^{16,19} .2 ^{21,24}]tetraconta-2,4,7,9,12,14,16,18,21,23,26,28,29,31,33,35,37,39-octadecaene(4+), T-1-00002
111982-81-1	2,2'-Bis[(diphenylphosphino)methyl] biphenyl, B-1-00158	114531-21-4	3-Phenyl-2,5-pyrrolidinedione, <i>see</i> P-1-00096	117271-77-9	5,12,19,26-Tetraazoniaheptacyclo[24.2.2.2 ^{2,5} .2 ^{7,10} .2 ^{12,15} .2 ^{16,19} .2 ^{21,24}]tetraconta-2,4,7,9,12,14,16,18,21,23,26,28,29,31,33,35,37,39-octadecaene(4+); Tetrakis(hexafluorophosphate), in T-1-00002
112043-92-2	1-Bromo-3-phenylbicyclo[1.1.1]pentane, B-1-00374			117364-74-6	1 <i>H</i> ,3 <i>H</i> -Perylo[3,4- <i>cd</i>]pyran-1,3-dione, in P-1-00032
112160-91-5	2- <i>C</i> -(Hydroxymethyl)ribonic acid; D- <i>form</i> , <i>S</i> - <i>O</i> -Phosphate, in H-1-00146				

117396-45-9	5,12-Dihydroquino[2,3- <i>b</i>]acridine-7,14-dithione, D-1-00327	118375-04-5	1-Phosphabicyclo[4.4.0]decane; (1 <i>R,S</i> ,6 <i>R,S</i>)- <i>form</i> , <i>P</i> -Oxide, in P-1-00115	120709-22-0	Zwiebelane B, in D-1-00401
117440-57-0	1,6-Diphosphabicyclo[4.3.0]nonane, D-1-00524	118375-05-6	1-Phosphabicyclo[4.4.0]decane; (1 <i>R,S</i> ,6 <i>R,S</i>)- <i>form</i> , <i>P</i> -Sulfide, in P-1-00115	120815-05-6	5-Chloro-2',3'-didehydro-2',3'-dideoxyuridine, C-1-00070
117583-73-0	1,1-Dimethyl-2-(trifluoromethyl)diphosphine, D-1-00471	118375-06-7	1-Phosphabicyclo[4.4.0]decane; (1 <i>R,S</i> ,6 <i>R,S</i>)- <i>form</i> , <i>P</i> -Selenide, in P-1-00115	120844-28-2	3-Amino-2,2-bis(aminomethyl)-1-propanol, A-1-00066
117583-76-3	1,1-Diethyl-2-(trifluoromethyl)diphosphine, D-1-00230	118426-11-2	6-Decenoic acid, <i>see</i> D-1-00011	120875-49-2	2,4-Diphenyl-1,3,2,4-diselenadiphosphetane 2,4-diselenide; (1 <i>R,S</i> ,3 <i>R,S</i>)- <i>form</i> , in D-1-00498
117605-32-0	3-Deoxy-3-iodoallose; β -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -benzylidene, in D-1-00043	118537-75-0	9-Oxo-9 <i>H</i> -xanthen-3-acetic acid, O-1-00058	120883-36-5	1,1-Bis[(diphenylphosphino)methyl]ethene; Disulfide, in B-1-00159
117605-33-1	3-Deoxy-3-iodoallose; β -D-Pyranose- <i>form</i> , Me glycoside, 4,6- <i>O</i> -(4-methoxybenzylidene), in D-1-00043	118537-82-9	3-(Cyanomethyl)xanthone, in O-1-00058	120883-37-6	(2-Methylene-1,3-propanediyl) bis(methyldiphenylphosphonium) diiodide, in B-1-00159
117637-88-4	1-Bromo-3-phenylpropane, <i>see</i> B-1-00382	119447-75-5	2-Amino-2,5-dideoxyribose; α -D-Furanose- <i>form</i> , Benzyl glycoside, <i>N</i> -benzoyl, in A-1-00117	120932-34-5	1,2-Difluoro-1,2-ethylenediphosphonic acid, <i>see</i> D-1-00237
117766-87-7	6,7,8,9-Tetrahydro-5 <i>H</i> -dibenzo[<i>c,g</i>]carbazole, T-1-00032	119555-47-4	F-DDC, in D-1-00215	120932-35-6	1,2-Difluoro-1,2-ethylenediphosphonic acid; (<i>E</i>)- <i>form</i> , Tetra-Et ether, in D-1-00237
117889-37-9	Ethyl methylphosphonocyanidate, in M-1-00119	119644-21-2	2',3'-Diazido-2',3'-dideoxyadenosine, D-1-00115	121097-72-1	1,3,5,7-Tetra- <i>tert</i> -butyl-1,3,5,7-tetraphosphacubane, T-1-00006
117957-62-7	3-Aminocyclopentanemethanol; (1 <i>R,S</i> ,3 <i>S</i>)- <i>form</i> , in A-1-00095	119644-22-3	5-Chloro-2',3'-dideoxy-3'-fluorouridine, C-1-00073	121108-11-0	4-Iodo-2-(4-iodo-1,3-dithiol-2-ylidene)-1,3-dithiole, <i>see</i> I-1-00038
117961-78-1	Phosphetic acid, P-1-00117	119645-60-2	Methyl 1-bromo-1-deoxy- α -D-fructopyranoside, in B-1-00252	121108-19-8	4-Iodo-2-(4-iodo-1,3-dithiol-2-ylidene)-1,3-dithiole; (<i>E</i>)- <i>form</i> , in I-1-00038
117972-46-0	1,2,3,4-Tetramethyl-1,2,3,4-cyclobutanetetrol, T-1-00079	119645-61-3	Methyl 1-bromo-1-deoxy- β -D-fructopyranoside, in B-1-00252	121194-59-0	6- <i>tert</i> -Butyl-3,4-dimethylphenol; Propanoyl, in B-1-00419
117999-78-7	Benzil-3,3'-dicarboxylic acid, B-1-00009	119729-72-5	6-Hydroxy-2-hexenoic acid; (<i>E</i>)- <i>form</i> , Me ester, in H-1-00097	121245-51-0	[1-Amino-(3,4-dimethoxyphenyl)ethyl]phosphonic acid, in A-1-00124
118068-39-6	6-Deoxy-6-iodoaltrose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3-dibenzyl, in D-1-00048	119795-37-8	4-Methyl-5-benzofurancarboxaldehyde, M-1-00031	121353-89-7	1-(2,3-Dideoxy-2-fluoro- β -D-threopentofuranosyl)thymine, D-1-00217
118117-12-7	4-Amino-4-deoxyarabinose, <i>see</i> A-1-00100	119830-25-0	5-Amino-5-deoxyribose; DL- <i>form</i> , Di-Me acetal, 2,3,4,5 <i>N</i> -tetra-Ac, in A-1-00109	121481-90-1	4-Amino-2-cyclopentene-1-methanol, A-1-00097
118139-79-0	Cyclo(histidylhistidyl); (3 <i>R</i> ,6 <i>R</i>)- <i>form</i> , in C-1-00208	119838-72-1	4-(1-Hydroxyethyl)benzoic acid; (<i>R</i>)- <i>form</i> , Benzyl ester, in H-1-00094	121564-08-7	6-Bromo-6-deoxysorbose; α -L-Furanose- <i>form</i> , 2,3- <i>O</i> -Isopropylidene, in B-1-00266
118149-40-9	4-Amino-4-deoxyarabinose, <i>see</i> A-1-00100	119839-28-0	4-(1-Hydroxyethyl)benzoic acid; (<i>R</i>)- <i>form</i> , Butyl ester, in H-1-00094	121637-62-5	1-(2,5-Dimethoxyphenyl)-3-methyl-2-buten-1-one, in D-1-00350
118176-22-0	5-Chloro-5-deoxyidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 6-benzoyl, 3-Ac, in C-1-00048	119951-98-3	3-Phenylloxirancarboxaldehyde, <i>see</i> P-1-00086	121651-02-3	3-Phenylloxirancarboxaldehyde, <i>see</i> P-1-00086
118176-23-1	5-Chloro-5-deoxyidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 3,6-dibenzoyl, in C-1-00048	119951-99-4	3-Phenylloxirancarboxaldehyde, <i>see</i> P-1-00086	121651-55-6	3-Azido-1,2-propanediol; (\pm)- <i>form</i> , in A-1-00255
118176-24-2	6-Chloro-6-deoxyidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, in C-1-00049	119971-92-5	1,2,3,6,7,7 <i>a</i> -Hexahydro-5 <i>H</i> -inden-5-one; (\pm)- <i>form</i> , in H-1-00043	121668-05-1	5-Bromo-5-deoxyxylxose; <i>D</i> - <i>form</i> , 2,3- <i>O</i> -Isopropylidene, in B-1-00260
118201-82-4	1,1,3,3-Tetra- <i>tert</i> -butyltriphosphine, <i>see</i> T-1-00007	119999-00-7	Cyclic TMP; Ammonium salt, in C-1-00186	121724-97-8	4-Hydroxy-6-methylbenzofuran; Ac, in H-1-00107
118201-93-7	1,1,3,3-Tetra- <i>tert</i> -butyltriphosphine, T-1-00007	120033-28-5	5-Bromo-5-deoxyribose; β -D-Furanose- <i>form</i> , Me glycoside, 2,3-dibenzoyl, in B-1-00265	121724-98-9	4-Hydroxy-7-methylbenzofuran; Ac, in H-1-00108
118244-91-0	5-Bromo-5-deoxyribose; β -L-Furanose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, in B-1-00265	120033-32-1	5-Bromo-5-deoxyribose; β -D-Furanose- <i>form</i> , 2,3-Dibenzoyl, 1-Ac, in B-1-00265	121724-99-0	4-Acetoxy-2-methylbenzofuran, in H-1-00105
118244-92-1	5-Bromo-5-deoxyribose; β -DL-Furanose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, in B-1-00265	120056-30-6	Cyclic TMP, <i>see</i> C-1-00186	121781-88-2	4-Hydroxy-2-methylthiophene, <i>see</i> H-1-00149
118266-97-0	1-Phosphabicyclo[4.4.0]decane; (1 <i>R,S</i> ,6 <i>R,S</i>)- <i>form</i> , <i>P</i> -Oxide, in P-1-00115	120056-31-7	Thymidine cyclic 3',5'-(methylphosphate), in C-1-00186	121952-89-4	3,7-Dimethyl-2,6-nonadienal, <i>see</i> D-1-00450
118281-63-3	1-Phosphabicyclo[4.4.0]decane; (1 <i>R,S</i> ,6 <i>R,S</i>)- <i>form</i> , <i>P</i> -Sulfide, in P-1-00115	120122-06-7	Thieno[3',2':4,5]thieno[2,3- <i>c</i>]quinoline, T-1-00128	121961-94-2	Tetrahydro-5-methyl-2 <i>H</i> -pyran-2-one; (\pm)- <i>form</i> , in T-1-00044
118281-64-4	1-Phosphabicyclo[4.4.0]decane; (1 <i>R,S</i> ,6 <i>R,S</i>)- <i>form</i> , <i>P</i> -Selenide, in P-1-00115	120123-45-7	6-Bromo-6-deoxyaltrose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,4-dibenzoyl, 3-Ac, in B-1-00249	122039-27-4	2,4-Diphenyl-1,3,2,4-diselenadiphosphetane 2,4-diselenide, D-1-00498
118333-78-1	1-Phosphabicyclo[4.4.0]decane; (1 <i>R,S</i> ,6 <i>R,S</i>)- <i>form</i> , in P-1-00115	120142-51-0	5-Bromo-5-deoxyribose; α -D-Furanose- <i>form</i> , Me glycoside, 2,3- <i>O</i> -isopropylidene, in B-1-00265	122039-28-5	2,4,5-Triphenyl-1,3,2,4,5-diselenatriphospholane; (2 <i>α</i> ,4 <i>α</i> ,5 <i>β</i>)- <i>form</i> , in T-1-00259
118333-79-2	1-Phosphabicyclo[4.4.0]decane; (1 <i>R,S</i> ,6 <i>R,S</i>)- <i>form</i> , in P-1-00115	120154-96-3	Eilatin, D-1-00127	122204-77-7	3-Amino-3-deoxygalactose; α -D-Pyranose- <i>form</i> , Me glycoside, in A-1-00102
118360-72-8	6-Deoxy-6-iodomannose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3-dimesyl, in D-1-00061	120175-90-8	Diphenylphosphinecarboxylic acid, <i>see</i> D-1-00507	122204-79-9	3-Amino-3-deoxymannose; β -D-Pyranose- <i>form</i> , 1,6-Anhydro, in A-1-00106
118360-83-1	4-Bromo-4-deoxyglucose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3-anhydro, 6-trityl, in B-1-00254	120293-90-5	1-Bromo-1-octen-3-ol, <i>see</i> B-1-00362	122204-83-5	3-Amino-3-deoxymannose; β -D-Pyranose- <i>form</i> , 1,6-Anhydro, hydrochloride, in A-1-00106
		120506-35-6	Benzenemethanesulfothioic acid; Na salt, in B-1-00005	122301-05-7	2,3,6,7-Tetrakis(hydroxymethyl)tetrathiafulvalene, T-1-00073
		120593-09-1	3-Pentenyltriphenylphosphonium(1+), <i>see</i> P-1-00025	122421-24-3	<i>O</i> -Ethyl (2,4,6-tri- <i>tert</i> -butylphenyl)phosphonodithioate, in T-1-00156
		120624-12-6	2,3-Dihydro-1 <i>H</i> -cycloheptapyrazine, D-1-00263		
		120637-81-2	Zwiebelane A, in D-1-00401		
		120658-80-2	1,1-Bis[(diphenylphosphino)methyl]ethene, B-1-00159		
		120681-07-4	3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00210		

122437-11-0	Camphor-3-sulfonic acid; (1 <i>RS</i> ,3 <i>SR</i>)-form, Chloride, in C-1-00001	123836-23-7	4-Bromo-4-deoxylyxose; β -L-Pyranose-form, Benzyl glycoside, 2,3- <i>O</i> -isopropylidene, in B-1-00259	125172-81-8	(3,3-Dimethyl-1-butynyl) phosphonic acid, see D-1-00379
122518-20-1	Camphor-3-sulfonic acid, see C-1-00001	123848-89-5	3 <i>a</i> ,4,7,7 <i>a</i> -Tetrahydro-4,7-methano-1 <i>H</i> -inden-1-ol; (1 <i>RS</i> ,3 <i>aSR</i> ,4 <i>SR</i> ,7 <i>RS</i> ,7 <i>aSR</i>)-form, Ac, in T-1-00040	125172-82-9	Diisopropyl (3,3-dimethyl-1-butynyl)phosphonate, in D-1-00379
122557-75-9	2-Phenyl-2-phosphatricyclo[3.3.1.1 ^{3,7}]decan-4,8-dione, P-1-00090	123930-79-0	3 <i>a</i> ,4,7,7 <i>a</i> -Tetrahydro-4,7-methano-1 <i>H</i> -inden-1-ol; (1 <i>R</i> ,3 <i>aS</i> ,4 <i>S</i> ,7 <i>R</i> ,7 <i>aS</i>)-form, in T-1-00040	125181-25-1	Mannofuranosyl iodide; α -D-form, 2,3:5,6-Di- <i>O</i> -isopropylidene, in M-1-00003
122576-62-9	Drechslerol B, in E-1-00004	123934-11-2	1-Amino-3-methyl-2-butanol; (\pm)-form, in A-1-00163	125237-71-0	6-Bromo-6-deoxyidose; α -D-Pyranose-form, Me glycoside, 4-benzoyl, in B-1-00256
122624-72-0	4-Amino-2-cyclopentene-1-methanol; (1 <i>RS</i> ,4 <i>SR</i>)-form, in A-1-00097	123959-78-4	<i>N,N,N',N'</i> -Tetraisopropyl- <i>P</i> -(trichloromethyl)phosphonous diamide, in T-1-00160	125240-07-5	Bis(trimethylsilyl)[(2,2,2-trifluoro-1-hydroxy-1-trifluoromethyl)ethyl]phosphonate, in H-1-00031
122631-80-5	<i>P</i> -Ethenyl- <i>N,N,N',N'</i> -tetrakis(trimethylsilyl)phosphonous diamide, in V-1-00004	123973-25-1	2-Fluoro-3-(trifluoromethyl)aniline, F-1-00056	125240-11-1	1,1,1,3,3,3-Hexafluoro-2-hydroxy-2-propanephosphonic acid, H-1-00031
122757-52-2	2',3'-Didehydro-2',3'-dideoxy-2'-fluorouridine, D-1-00214	123973-39-7	<i>P</i> -Menthylphosphonous diamide; <i>N,N,N',N'</i> -Tetra- <i>Et</i> , in D-1-00106	125280-08-2	6-Bromo-6-deoxyidose; α -D-Pyranose-form, Me glycoside, in B-1-00256
122757-53-3	2',3'-Didehydro-2',3'-dideoxy-2'-fluorocytidine, D-1-00212	123992-65-4	1,4,5,6,7,7 <i>a</i> -Hexahydro-4,7 <i>a</i> -dimethyl-2 <i>H</i> -inden-2-one; (4 <i>RS</i> ,7 <i>aSR</i>)-form, in H-1-00038	125282-09-9	2,5-Bis[(diphenylphosphino)methyl]bicyclo[2.2.1]heptane, see B-1-00156
122757-54-4	2',3'-Didehydro-2',3'-dideoxy-2'-fluorothymidine, D-1-00213	124150-25-0	1,3-Diphenyl-3-propen-1-ol, see D-1-00514	125240-38-2	1,2-Difluoro-1,1,2-triphenylethane, D-1-00252
122801-51-8	2,2-Dichloro-1-phenylcyclopropane-carboxaldehyde, D-1-00192	124167-63-1	2-Chloro-2,3-dihydro-1,4,2-benzodioxaphosphorin; 2-Sulfide, in C-1-00077	125577-89-1	4-(1-Hydroxyethyl)benzoic acid; (<i>S</i>)-form, in H-1-00094
122805-35-0	6-Deoxy-6-iodomannose; α -D-Pyranose-form, Me glycoside, 2,3- <i>O</i> -isopropylidene, 4-benzoyl, in D-1-00061	124167-64-2	2-Chloro-2,3-dihydro-1,4,2-benzodioxaphosphorin, C-1-00077	125577-90-4	4-(1-Hydroxyethyl)benzoic acid; (<i>R</i>)-form, in H-1-00094
122852-74-8	3,4-Dihydrocyclopent[<i>b</i>]indol-1(2 <i>H</i>)-one; <i>N</i> -Me, oxime, in D-1-00266	124293-38-5	2,3-Dihydro-1 <i>H</i> -cycloheptapyrazine; <i>N</i> -Me, in D-1-00263	125707-14-4	1,5-Diphenyl-1,5-diphosphocane; (1 <i>RS</i> ,5 <i>SR</i>)-form, in D-1-00497
122907-93-1	2- <i>C</i> -(Hydroxymethyl)ribonic acid, see H-1-00146	124314-31-4	3-Deoxy-3-iodogulose; β -D-Pyranose-form, Me glycoside, tribenzoyl, in D-1-00054	125707-15-5	1,5-Diphenyl-1,5-diphosphocane; (1 <i>RS</i> ,5 <i>RS</i>)-form, in D-1-00497
122947-35-7	Ostapanic acid; <i>Et</i> ester, in D-1-00492	124388-97-2	9-Bromononanal, B-1-00357	125707-17-7	1,5-Diphenyl-1,5-diphosphocane; (1 <i>RS</i> ,5 <i>SR</i>)-form, 1,5-Dioxide, in D-1-00497
123033-25-0	4,6-Dimethyl-1,5-heptadien-4-ol; (\pm)-form, in D-1-00407	124424-25-5	1-(2,3-Dideoxy-2-fluoro- β -D-threopentofuranosyl)uracil, D-1-00218	125707-18-8	1,5-Diphenyl-1,5-diphosphocane; (1 <i>RS</i> ,5 <i>RS</i>)-form, 1,5-Dioxide, in D-1-00497
123120-23-0	1-Chloro-2,3-diphenyl-1 <i>H</i> -phosphirene, C-1-00091	124424-26-6	1-(3-Azido-2,3-dideoxy-2-fluoro- β -D-arabinofuranosyl)thymine, A-1-00251	125757-14-4	α,α,α' -Tetrakis(trifluoromethyl)-1,3-benzenedimethanol; Di-Ac, in T-1-00074
123168-75-2	5-Amino-5-deoxyallose; β -D-Furanose-form, Allyl glycoside, 2,3- <i>O</i> -isopropylidene, in A-1-00098	124613-13-4	3 δ^2 ,3 λ^4 -1,3,5,2,4,6-Trithiazepine-7-carboxylic acid; Azide, in T-1-00283	125762-85-8	1-Iodo-4-methylcubane, I-1-00040
123230-60-4	9,9'-Anthroin, A-1-00237	124613-18-9	3 δ^2 ,3 λ^4 -1,3,5,2,4,6-Trithiazepine-7-carboxylic acid; Amide, in T-1-00283	125774-47-2	1,1,1-Trifluoro-3-phenyl-2-propanone, see T-1-00221
123288-54-0	3-Aminocyclopentanemethanol, A-1-00095	124635-36-5	3 δ^2 ,3 λ^4 -1,3,5,2,4,6-Trithiazepine-7-carboxylic acid; Anhydride, in T-1-00283	125774-52-9	1,1,1-Trifluoro-3-phenyl-2-propanone, see T-1-00221
123311-08-0	Tetramethyltellurium, T-1-00088	124668-47-9	3-Amino-3-methylazetidine; Hydrochloride (1:2), in A-1-00161	125850-18-2	2-Hydroxy-3-hexanone; (<i>R</i>)-form, in H-1-00095
123325-12-2	1,4,6-Tris[2-(dihydroxyphosphinyl)ethyl]-1,4,7-triazacyclononane, T-1-00268	124727-43-1	2,6-Dimethyl-1,5-heptadien-4-ol; (\pm)-form, in D-1-00405	125973-24-2	2-Cyclohexene-1-acetic acid; (\pm)-form, in C-1-00196
123402-21-1	3'-Deoxy-3'-fluoroguanosine, D-1-00028	124729-12-0	5-Chloro-5-deoxytalose; D-form, in C-1-00057	125982-96-9	[(3-Methylphenyl)sulfinyl]acetic acid, in M-1-00112
123436-11-3	3-Bromodiphenylmethanol; (+)-form, in B-1-00291	124743-30-2	5-Chloro-2',3'-dideohydro-2',3'-dideoxycytidine, C-1-00069	125982-97-0	[(2-Methylphenyl)sulfinyl]acetic acid, in M-1-00111
123436-12-4	3-Chlorodiphenylmethanol; (+)-form, in C-1-00090	124743-31-3	5-Chloro-2',3'-dideoxycytidine, C-1-00071	125995-74-6	1,1,3,3-Tetrahydro-5-methyl-1,1,3,3-tetrahyphenyl-1,3-diphosphorin, T-1-00045
123436-15-7	3-Bromodiphenylmethanol; (-)-form, in B-1-00291	124862-12-0	<i>P</i> -(Chloromethyl)- <i>N,N,N',N'</i> -tetraisopropylphosphonous diamide, in C-1-00124	126029-24-1	2,2,6,6-Tetramethyl-3-heptene; (<i>E</i>)-form, in T-1-00083
123617-80-1	3-Furanacetic acid, F-1-00072	124862-13-1	<i>P</i> -(Bromomethyl)- <i>N,N,N',N'</i> -tetraisopropylphosphonous diamide, in B-1-00344	126029-25-2	2,2,6,6-Tetramethyl-3-heptene, see T-1-00083
123691-72-5	Ethyl (3-aminopropyl)phenylphosphinate, in A-1-00202	124927-09-9	[2,4,6-Tris(trifluoromethyl)phenyl]phosphine, T-1-00282	126180-64-1	3-Phosphonobenzenesulfonic acid, P-1-00119
123691-73-6	(3-Aminopropyl)phenylphosphinic acid, A-1-00202	124942-09-2	11 <i>H</i> -Indeno[1,2- <i>b</i>]quinoxalin-11-one; 6,7,8,9-Tetrahydro, in I-1-00012	126215-06-3	6-Bromo-6-deoxyaltrose; D-form, 3,4-Di-Me, 2,5-dibenzyl, in B-1-00249
123739-94-6	1,2,3-Tris(diphenylphosphino)benzene, T-1-00270	124946-31-2	1-Chloro-2-phenoxy-3-phenyl-1 <i>H</i> -phosphirene, C-1-00145	126295-81-6	1,2-Difluoro-1,2-ethylenediphosphonic acid; (<i>E</i>)-form, in D-1-00237
123739-95-7	1,2,4-Tris(diphenylphosphino)benzene, T-1-00271	125038-78-0	4-(2-Biphenyloxy)benzoic acid, B-1-00113	126344-01-2	5-Oxo-3-pyrrolidinecarboxylic acid; (\pm)-form, <i>N</i> -Benzyl, Me ester, in O-1-00054
123739-96-8	1,3,5-Tris(diphenylphosphino)benzene, T-1-00272	125155-49-9	2-Bromo-2-deoxyribose; β -D-Furanose-form, in B-1-00264	126412-12-2	Keramaphidin C, in A-1-00242
123739-97-9	1,2,3,4-Tetrakis(diphenylphosphino)benzene, T-1-00070	125155-50-2	2-Deoxy-2-iodoribose; β -D-Furanose-form, in D-1-00064	126412-52-0	2-Phenyl-2-phosphatricyclo[3.3.1.1 ^{3,7}]decan-4,8-dione; (\pm)-form, Methiodide, in P-1-00090
123739-98-0	1,2,3,5-Tetrakis(diphenylphosphino)benzene, T-1-00071			126412-53-1	2-Phenyl-2-phosphatricyclo[3.3.1.1 ^{3,7}]decan-4,8-dione; (\pm)-form, in P-1-00090
123739-99-1	1,2,4,5-Tetrakis(diphenylphosphino)benzene, T-1-00072				
123836-17-9	4-Bromo-4-deoxylyxose; α -L-Pyranose-form, Benzyl glycoside, 2,3- <i>O</i> -isopropylidene, in B-1-00259				

126443-46-7	1,1'-Dimethyl 2,2'-phosphinicobisacetate, <i>in</i> B-1-00137	127847-86-3	2,3-Dihydro-3-methyl-4 <i>H</i> -1-benzothiohydropyran-4-one; (\pm)- <i>form</i> , <i>in</i> D-1-00299	129279-37-4	5-Amino-5-deoxyidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, <i>N</i> -benzyloxycarbonyl, <i>in</i> A-1-00103
126456-50-6	2-Phenyl-2-phosphatricyclo[3.3.1.1 ^{3,7}]decan-4,8-dione; (-)- <i>form</i> , <i>in</i> P-1-00090	127913-26-2	α -Phenyloxiranemethanol, <i>see</i> P-1-00087	129396-63-0	10-Heptadecen-1-ol, H-1-00010
126456-51-7	2-Phenyl-2-phosphatricyclo[3.3.1.1 ^{3,7}]decan-4,8-dione; (-)- <i>form</i> , 2-Oxide, <i>in</i> P-1-00090	127913-27-3	α -Phenyloxiranemethanol, <i>see</i> P-1-00087	129409-54-7	2,4-Difluorophenylacetic acid, <i>see</i> D-1-00245
126456-52-8	2-Methyl-4,8-dioxo-2-phenyl-2-phosphoniatricyclo[3.3.1.1 ^{3,7}]decane, <i>in</i> P-1-00090	127939-08-6	3,3a,4,5,6,7-Hexahydro-1,3a-dimethyl-2 <i>H</i> -inden-2-one; (\pm)- <i>form</i> , 2,4-Dinitrophenylhydrazone, <i>in</i> H-1-00040	129409-55-8	3,4-Difluorophenylacetic acid, <i>see</i> D-1-00247
126487-09-0	Cyclooctadecanonyne, C-1-00211	128040-59-5	1 <i>H</i> -Pyrido[2,3- <i>b</i>]indole-5,8-dione, P-1-00173	129446-47-5	4-(1-Hydroxyethyl)benzoic acid; (<i>R</i>)- <i>form</i> , Me ester, <i>in</i> H-1-00094
126534-32-5	1-(3-Fluorophenyl)ethanol, <i>see</i> F-1-00051	128115-08-2	2',3'-Dideoxy-2'-fluorocytidine; 2'-Epimer, di-Ac, <i>in</i> D-1-00215	129472-71-5	8-Hydroxy-4-oxo-4 <i>H</i> -1-benzopyran-2-carboxylic acid, H-1-00160
126534-33-6	1-(3-Fluorophenyl)ethanol, <i>see</i> F-1-00051	128310-70-3	4-(1-Hydroxyethyl)benzoic acid; (<i>R</i>)- <i>form</i> , Et ester, <i>in</i> H-1-00094	129529-32-4	Bis(2-methylpropyl) (2-hydroxy-6-methoxyphenyl)phosphonate, <i>in</i> D-1-00351
126543-45-1	2'-Azido-2',3'-dideoxyuridine, A-1-00254	128333-45-9	(4-Isopropylphenyl)phosphonic acid, I-1-00081	129619-37-0	3,6-Octanediol; (3 <i>R</i> ,6 <i>R</i>)- <i>form</i> , <i>in</i> O-1-00022
126543-49-5	2'-Azido-5-bromo-2',3'-dideoxyuridine, A-1-00246	128333-47-1	Monoethyl (4-ethylphenyl) phosphonate, <i>in</i> E-1-00023	129768-28-1	5(3)-Trifluoromethyl-1 <i>H</i> -pyrazole-3(5)-carboxylic acid, T-1-00214
126543-50-8	2'-Azido-2',3'-dideoxy-5-iodouridine, A-1-00252	128333-48-2	Monoethyl (4-isopropylphenyl) phosphonate, <i>in</i> I-1-00081	129768-30-5	5(3)-Trifluoromethyl-1 <i>H</i> -pyrazole-3(5)-carboxylic acid; Et ester, <i>in</i> T-1-00214
126543-51-9	2'-Azido-2',3'-dideoxy-5-methyluridine, A-1-00253	128351-87-1	2,3,4,6-Tetrabromo-1 <i>H</i> -indole, T-1-00003	129896-34-0	Hexamethyltellurium, H-1-00048
126661-83-4	Cyclophellitol, C-1-00218	128351-88-2	4,6-Dibromo-2-methylthio-1 <i>H</i> -indole, D-1-00154	129932-29-2	(Difluoromethyl) diphenylphosphine; Oxide, <i>in</i> D-1-00241
126717-59-7	3-Bromo-6-methoxy-2-methylpyridine, <i>in</i> B-1-00301	128367-88-4	2,4,6-Tribromo-1 <i>H</i> -indole, T-1-00150	129938-34-7	4-Oxo-5-phosphononorvaline; (<i>R</i>)- <i>form</i> , <i>in</i> O-1-00053
126720-47-6	3-Phenyloxiranecarboxaldehyde; (2 <i>R</i> ,3 <i>S</i>)- <i>form</i> , <i>in</i> P-1-00086	128408-03-7	3-[4-(Trifluoromethyl)phenyl]-2-propenoic acid, <i>see</i> T-1-00210	129939-83-9	2-Deoxy-2-fluoroxylase; β -D-Pyranose- <i>form</i> , <i>in</i> D-1-00041
126766-74-3	5-Phosphono-1,3-benzenedisulfonic acid, P-1-00118	128632-07-5	1-(2,3-Dideoxy-2-fluoro- β -D-threo-pentofuranosyl)-4-thiouracil, D-1-00216	129939-84-0	2-Deoxy-2-fluoroxylase; α -D-Pyranose- <i>form</i> , <i>in</i> D-1-00041
126850-51-9	Triangulene, T-1-00143	128705-94-2	1,9-Decanediol; (<i>S</i>)- <i>form</i> , <i>in</i> D-1-00008	130077-93-9	4-Bromo-5-methyl-2(5 <i>H</i>)-furanone, B-1-00334
127020-32-0	α -Amino-2,3-dihydro-5-methyl-3-oxo-4-isoxazolepropanoic acid; (\pm)- <i>form</i> , Et ester, <i>in</i> A-1-00119	128746-87-2	3-Carbomethoxy-1-methyl-4-(trifluoromethyl)pyrazole, <i>in</i> T-1-00213	130129-93-0	7-Bromo-1,1-dimethoxyheptane, <i>in</i> B-1-00298
127201-31-4	2-(3-Iodophenyl)ethanol, I-1-00056	128746-88-3	4-Trifluoromethyl-1 <i>H</i> -pyrazole-3-carboxylic acid; Me ester, <i>in</i> T-1-00213	130147-45-4	3-Amino-2,2-bis(aminomethyl)-1-propanol; Hydrochloride (1:3), <i>in</i> A-1-00066
127213-05-2	6-Deoxy-6-iodoaltrose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3-dibenzyl, 4-Ac, <i>in</i> D-1-00048	128777-26-4	Bicyclo[2.2.1]hept-5-ene-2,3-diylbis(methylene) bis[diphenylphosphine], B-1-00088	130150-78-6	Cholamine, <i>see</i> C-1-00174
127236-54-8	3-Bromo-3-deoxyallose; β -D-Pyranose- <i>form</i> , Me glycoside, <i>in</i> B-1-00245		Bicyclo[2.2.1]hept-5-ene-2,3-diylbis(methylene) bis[diphenylphosphine], <i>see</i> B-1-00088	130194-42-2	3-Amino-1-phenyl-1-propanol; (<i>S</i>)- <i>form</i> , <i>in</i> A-1-00199
127306-59-6	2-Fluoropropanoic acid; (\pm)- <i>form</i> , Et ester, <i>in</i> F-1-00054	128816-64-8	4-Methylselenobenzoic acid; SeH- <i>form</i> , Na salt, <i>in</i> M-1-00132	130232-48-3	2-(Bromomethyl)tetrahydro-2 <i>H</i> -pyran, <i>see</i> B-1-00345
127321-07-7	1-Bromo-3- <i>tert</i> -butylbicyclo[1.1.1]pentane, B-1-00235	128843-81-2	3-Deoxy-3-iodoxylose; β -L-Pyranose- <i>form</i> , Benzyl glycoside, <i>in</i> D-1-00072	130233-15-7	2-(Bromomethyl)tetrahydro-2 <i>H</i> -pyran, <i>see</i> B-1-00345
127322-11-6	2,5-Bis(diphenylphosphino)pyridazine, B-1-00162	128843-90-3	3-Bromo-3-deoxyxylose; β -D-Pyranose- <i>form</i> , Benzyl glycoside, 2-Me, <i>in</i> B-1-00271	130233-16-8	2-(Bromomethyl)tetrahydro-2 <i>H</i> -pyran, <i>see</i> B-1-00345
127328-42-1	6-Isopropenyl-3,9-dimethyl-3,9-decadien-1-ol, <i>see</i> I-1-00071	128843-91-4	3-Bromo-3-deoxyxylose; β -D-Pyranose- <i>form</i> , Benzyl glycoside, 4-Me, <i>in</i> B-1-00271	130248-45-2	2,4-Dimethylhexanoic acid; (2 <i>R</i> ,4 <i>R</i>)- <i>form</i> , <i>in</i> D-1-00410
127375-30-8	1,8-Dihydroxy-9 <i>H</i> -fluoren-9-one, D-1-00342	128843-93-6	4-Bromo-4-deoxygulose; α -D-Pyranose- <i>form</i> , Me glycoside, 2,3-bis(3,5-dinitrobenzoyl), 6-[dimethyl(1,1,2-trimethylpropyl)silyl], <i>in</i> B-1-00254	130252-14-1	1-Cyano-5-hydroxy-1-cyclopentene, <i>in</i> H-1-00076
127375-31-9	1,8-Dimethoxy-9 <i>H</i> -fluoren-9-one, <i>in</i> D-1-00342	128889-82-7	4-Hydroxy-2-methylthiophene, H-1-00149	130312-53-7	1,2-Difluoro-1,2-ethylenediphosphonic acid, <i>see</i> D-1-00237
127379-92-4	2-Methyl-1-phenyl-1,3-propanediol; (1 <i>S</i> ,2 <i>R</i>)- <i>form</i> , <i>in</i> M-1-00109	128899-69-4	2,5,3,4-Dianhydroaltritol; DL- <i>form</i> , <i>in</i> D-1-00111	130312-54-8	1,2-Difluoro-1,2-ethylenediphosphonic acid, <i>see</i> D-1-00237
127492-31-3	3'-Azido-5-chloro-2',3'-dideoxycytidine, A-1-00249	129075-49-6	3,4-Dihydro-5-methoxy-1(2 <i>H</i>)-isoquinolinone, <i>in</i> D-1-00284	130322-50-8	2,4-Dimethyl-1-hexanol; (2 <i>R</i> ,4 <i>R</i>)- <i>form</i> , <i>in</i> D-1-00411
127492-32-4	5-Chloro-2',3'-dideoxy-3'-fluorocytidine, C-1-00072	129149-88-8	2- β -D-Ribofuranosyl-4-oxazolecarboxylic acid; Me ester, <i>in</i> R-1-00003	130335-55-6	Tetrakis(trimethylsilyl) (1,2-difluoro-1,2-ethanediyl) bisphosphonate, <i>in</i> D-1-00237
127501-12-6	Galactofuranosyl bromide; α -D- <i>form</i> , 2,3-Dibenzoyl, 5-chloroacetyl, 6-pivaloyl, <i>in</i> G-1-00001	129149-89-9	2- β -D-Ribofuranosyl-4-oxazolecarboxylic acid, <i>see</i> R-1-00003	130446-48-9	2,7-Dihydro-7-methyl-3 <i>H</i> -imidazo[4,5- <i>e</i>]-1,2,4-triazin-3-one, <i>in</i> D-1-00292
127501-72-8	4,6-Dihydrothieno[3,4- <i>d</i>]-1,3-dithiole-2-thione, D-1-00331	129225-30-5	3-Oxiranyl-1 <i>H</i> -indole; (-)- <i>form</i> , <i>in</i> O-1-00038	130466-96-5	Heptyloxirane; (<i>R</i>)- <i>form</i> , <i>in</i> H-1-00021
127545-53-3	Gabosine A, <i>in</i> T-1-00229			130530-08-4	1,4,5,6,7,7a-Hexahydro-4,7a-dimethyl-2 <i>H</i> -inden-2-one, <i>see</i> H-1-00038
127545-54-4	Gabosine G, <i>in</i> T-1-00227			130619-43-1	5-Bromo-5-deoxyidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, <i>in</i> B-1-00255
127545-55-5	Gabosine H, <i>in</i> T-1-00227			130619-45-3	5-Bromo-5-deoxyidose; β -L-Furanose- <i>form</i> , 1,2- <i>O</i> -Isopropylidene, 6-(tetrahydro-2 <i>H</i> -pyran-2-yl), <i>in</i> B-1-00255
127599-39-7	7,11-Pentacosadiene; (<i>Z,Z</i>)- <i>form</i> , <i>in</i> P-1-00006				
127707-32-8	Gabosine F, <i>in</i> T-1-00228				
127787-23-9	3,4-Dihydro-4-hydroxy-1(2 <i>H</i>)-isoquinolinone; (\pm)- <i>form</i> , <i>N</i> -Me, <i>in</i> D-1-00283				
127820-69-3	3,6-Diamino-1,5-dihydro-1- β -D-ribofuranosyl-4 <i>H</i> -pyrazolo[3,4- <i>d</i>]pyrimidin-4-one, D-1-00103				

- 130619-46-4 5-Chloro-5-deoxyribose; β -L-Furanose-*form*, 1,2-*O*-Isopropylidene, 6-(methoxymethyl), *in* C-1-00048
- 130619-54-4 5-Bromo-5-deoxyribose, *see* B-1-00255
- 130653-03-1 1,4-Phenylenebis(3,4-dimethyl-1*H*-phosphole), P-1-00064
- 130727-72-9 3,6-Pentadecadien-1-ol; (3*Z*,6*Z*)-*form*, *in* P-1-00010
- 130775-52-9 Bicyclo[3.1.1]heptan-1-ol, B-1-00085
- 130821-87-3 Tetrahydro-2*H*-pyran-2-acetic acid; (\pm)-*form*, Et ester, *in* T-1-00051
- 130837-46-6 3-Bromo-4-methyl-3-cyclobutene-1,2-dione, B-1-00321
- 130841-22-4 Lufenuron; (+)-*form*, *in* L-1-00002
- 130841-26-8 Lufenuron; (-)-*form*, *in* L-1-00002
- 130848-98-5 [1-Amino-2-(3,4-dihydroxyphenyl)ethyl]phosphonic acid, A-1-00124
- 130850-34-9 1,2,3,4-Tetrahydro-2-naphthaleneacetic acid; (*S*)-*form*, *in* T-1-00046
- 130850-35-0 1,2,3,4-Tetrahydro-2-naphthaleneacetic acid; (*R*)-*form*, *in* T-1-00046
- 130850-55-4 2,5-Diphenyl-1*H*-pyrrole-3-carboxylic acid; *N*-Me, *in* D-1-00517
- 130850-56-5 1,2,5-Triphenyl-1*H*-pyrrole-3-carboxylic acid, *in* D-1-00517
- 130888-83-4 Diethyl 3-isoxazolyphosphonate, *in* I-1-00094
- 131211-27-3 Di-1-adamantylphosphine, D-1-00082
- 131266-79-0 Di-1-adamantylphosphine; Oxide, *in* D-1-00082
- 131267-50-0 2-Deoxy-2-iodoxyribose; α -L-Pyranose-*form*, Me glycoside, di-Ac, *in* D-1-00058
- 131267-51-1 2-Deoxy-2-iodoxyribose; β -L-Pyranose-*form*, Me glycoside, di-Ac, *in* D-1-00071
- 131267-52-2 2-Deoxy-2-iodoribose; β -D-Pyranose-*form*, Me glycoside, 3,4-di-Ac, *in* D-1-00064
- 131288-67-0 2-Amino-3-cyclohexylpropanol, *see* A-1-00094
- 131289-38-8 5-Chloro-5-deoxytalose; β -L-Furanose-*form*, 1,2-*O*-Isopropylidene, 3-benzoyl, 6-Ac, *in* C-1-00057
- 131289-41-3 6-Chloro-6-deoxytalose; β -L-Furanose-*form*, 1,2-*O*-Isopropylidene, *in* C-1-00058
- 131320-53-1 4-Amino-2-cyclopentene-1-methanol, *see* A-1-00097
- 131321-84-1 3-Azido-1,2-propanediol; (*R*)-*form*, *in* A-1-00255
- 131337-13-8 2-Deoxy-2-iodoarabinose; α -D-Pyranose-*form*, Me glycoside, 3,4-di-Ac, *in* D-1-00049
- 131369-80-7 *N,N,N',N'*-Tetrabutyl-*P*-(2-isopropyl-5-methylcyclohexyl)phosphonous diamide, *in* D-1-00106
- 131474-43-6 3-Chloro-3-deoxyallose; β -D-Pyranose-*form*, Me glycoside, 4,6-*O*-benzylidene (*R*-), 2-Ac, *in* C-1-00036
- 131475-18-8 2-Cyano-3,5-diphenylpyrrole, *in* D-1-00519
- 131475-40-6 10,11-Dihydro-10,5-(iminomethano)-5*H*-dibenzo[*a,d*]cycloheptene; (\pm)-*form*, *in* D-1-00293
- 131475-56-4 10,11-Dihydro-10,5-(iminomethano)-5*H*-dibenzo[*a,d*]cycloheptene; (\pm)-*form*, *N*-Ac, *in* D-1-00293
- 131515-42-9 3-Acetylbicyclo[1.1.1]pentane-1-carboxylic acid; Me ester, *in* A-1-00012
- 131564-58-4 2-Chloro-2-deoxymannose; α -D-Pyranose-*form*, Me glycoside, 4,6-*O*-benzylidene (*R*-), *in* C-1-00052
- 131564-59-5 2-Chloro-2-deoxymannose; α -D-Pyranose-*form*, Me glycoside, 4,6-*O*-benzylidene (*R*-), 3-benzoyl, *in* C-1-00052
- 131564-60-8 2-Bromo-2-deoxymannose; α -D-Pyranose-*form*, Me glycoside, 4,6-*O*-benzylidene (*R*-), *in* B-1-00261
- 131564-61-9 2-Bromo-2-deoxymannose; α -D-Pyranose-*form*, Me glycoside, 4,6-*O*-benzylidene (*R*-), 3-Ac, *in* B-1-00261
- 131581-39-0 (Fluoromethyl)diphenylphosphine; Oxide, *in* F-1-00043
- 131613-80-4 3-Chloro-3-deoxyaltrose; α -D-Pyranose-*form*, Me glycoside, 4,6-*O*-benzylidene (*R*-), *in* C-1-00038
- 131860-33-8 ICI A5504, I-1-00001
- 131981-42-5 3,3'-(Phenylphosphinylidene)bis[*N,N*-dimethylbenzylamine], *in* B-1-00152
- 132014-29-0 1,3-Diphenyl-3-propen-1-ol, *see* D-1-00514
- 132015-84-0 1-Chloro-1-octen-3-ol, *see* C-1-00135
- 132334-61-3 4-Bromo-5-methylene-2(5*H*)-furanone, B-1-00329
- 132532-07-1 [1,1'-Binaphthalen-2-yl]diphenylphosphine; (*S*)-*form*, *P*-Oxide, *in* B-1-00105
- 132541-47-0 Di-*tert*-butyl [(4-formylphenyl)methyl]phosphonate, *in* F-1-00066
- 132616-90-1 2-Amino-2-ethyl-3-phenylpropanoic acid; (*R*)-*form*, *in* A-1-00134
- 132637-90-2 2,3-Dihydro-2-thioxo-1*H*-indole-3-acetic acid; *5H*-*form*, Disulfide, di-Me ester, *in* D-1-00332
- 132657-48-8 Phenylcubane, P-1-00055
- 132663-73-1 3-*tert*-Butylbicyclo[1.1.1]pentane-1-carboxylic acid, B-1-00413
- 132683-65-9 4-Amino-3,5-dinitropyridine; 1-Oxide, *in* A-1-00132
- 132830-63-8 2,4,5-Triphenyl-1,3,2,4,5-diselenatriphospholane, T-1-00259
- 132898-96-5 2,3-Dihydro-2,3-dioxo-1*H*-indole-5-sulfonic acid; Chloride, *in* D-1-00274
- 132992-59-7 3-Methyl-2-penten-4-yn-1-ol; (*Z*)-*form*, Formyl, *in* M-1-00100
- 132992-60-0 3-Methyl-2-penten-4-yn-1-ol; (*E*)-*form*, Formyl, *in* M-1-00100
- 133224-78-9 3-Amino-2-methylazetidide; (2*RS*,3*SR*)-*form*, Dihydrochloride, *in* A-1-00160
- 133362-45-5 2,5-Bis[(diphenylphosphino)methyl]bicyclo[2.2.1]heptane, *see* B-1-00156
- 133377-53-4 Trifluoro(methyl)sulfur; Tri-deutero compd., *in* T-1-00215
- 133379-16-5 6-Methyl-1-hepten-4-ol; (*R*)-*form*, *in* M-1-00068
- 133627-45-9 3-Amino-2-chloro-4-methylpyridine, A-1-00079
- 133775-37-8 2-Cyclohexene-1-acetic acid; (*R*)-*form*, *in* C-1-00196
- 133775-83-4 2-(Mercaptomethyl)butanoic acid, M-1-00009
- 133891-81-3 3-Amino-2-methylazetidide; (2*RS*,3*RS*)-*form*, Dihydrochloride, *in* A-1-00160
- 133891-84-6 3-Amino-2,2-dimethylazetidide; (\pm)-*form*, Dihydrochloride, *in* A-1-00126
- 133945-52-5 4,4'-Dihydroxybibenzyl, *see* D-1-00340
- 133945-53-6 4,4'-Dihydroxybibenzyl, *see* D-1-00340
- 133968-82-8 3-(Dibromomethylene)-1,4-pentadiyne, D-1-00151
- 134021-38-8 5-Phenyl-1,5-thiaphosphocane; 5-Oxide, *in* P-1-00102
- 134021-39-9 5-Phenyl-1,5-thiaphosphocane, P-1-00102
- 134111-30-1 2'-Deoxy-4'-thiocytidine, D-1-00077
- 134111-32-3 2'-Deoxy-4'-thiouridine, D-1-00078
- 134111-33-4 4'-Thiothymidine, T-1-00135
- 134136-51-9 1-Iodo-1-deoxyfructose; β -D-Pyranose-*form*, 3,4,5-Tribenzoyl, *in* I-1-00031
- 134142-96-4 5,6,7,8,9,10,11,12-Octahydro-2*H*-1,15,4,8,12-benzodioxatriazacycloheptadecine-3,13(4*H*,14*H*)-dione, O-1-00012
- 134150-73-5 Bis(carboxymethyl)phosphinic acid, B-1-00137
- 134150-82-6 3-Azetidinephosphinic acid, A-1-00243
- 134168-36-8 2-Methyl-1,3-dithiane, *see* M-1-00062
- 134172-63-7 3-Chlorodiphenylmethanol; (\pm)-*form*, *in* C-1-00090
- 134187-86-3 3-Benzoylbenzenesulfonic acid; Amide, *in* B-1-00041
- 134225-67-5 4-Hepten-6-yn-1-ol, H-1-00017
- 134236-27-4 2-Chlorodiphenylmethanol; (\pm)-*form*, *in* C-1-00089
- 134296-07-4 [2,2'-Bipyridine]-6-carboxaldehyde, B-1-00116
- 134296-08-5 [2,2'-Bipyridine]-6-carboxaldehyde; Phenylhydrazine, *in* B-1-00116
- 134308-13-7 Tolcapone, D-1-00344
- 134430-68-5 2-Fluorobenzyl alcohol, *see* F-1-00007
- 134448-22-9 1*H*-Pyrrole-3-propanoic acid, P-1-00183
- 134484-36-9 2-Methoxy-2'-(diphenylphosphinyl)-1,1'-binaphthyl, *in* H-1-00064
- 134484-37-0 (2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; (*S*)-*form*, Oxide, Me ether, *in* H-1-00064
- 134521-82-7 3-Phenyl-2,5-piperazinedione; (*S*)-*form*, *in* P-1-00094
- 134615-20-6 4-(1-Hydroxyethyl)benzoic acid; (*S*)-*form*, Et ester, *in* H-1-00094
- 134615-36-4 4-(1-Hydroxyethyl)benzoic acid; (\pm)-*form*, Et ester, *in* H-1-00094
- 134781-56-9 10-Methylazacyclodecan-2-one, M-1-00020
- 134830-04-9 1,6-Dicyano-1,3,5-hexatriyne, *in* O-1-00025
- 134857-56-0 Cyclopropylcubane, C-1-00221
- 135006-50-7 2-Methyl-5-hexenoic acid; (*R*)-*form*, Benzyl ester, *in* M-1-00071
- 135029-85-5 10,11-Dihydro-10,5-(iminomethano)-5*H*-dibenzo[*a,d*]cycloheptene; (+)-*form*, *in* D-1-00293
- 135093-95-7 2-Oxocyclopentaneacetic acid; (\pm)-*form*, Me ester, *in* O-1-00040
- 135216-49-8 6-Bromo-6-deoxymannose; α -D-Pyranose-*form*, Me glycoside, 2,3-dibenzoyl, *in* B-1-00262
- 135216-50-1 6-Bromo-6-deoxymannose; α -D-Pyranose-*form*, Me glycoside, 2,3-dibenzoyl, 4-tosyl, *in* B-1-00262
- 135221-06-6 2,4-Diamino-2,4-dideoxyarabinose; *L*-*form*, *in* D-1-00095
- 135227-04-2 3-Fluoro-4-methylbiphenyl, F-1-00038
- 135249-92-2 2-Methylselenobenzoic acid; Se*H*-*form*, Na salt, *in* M-1-00130
- 135250-01-0 2-Methylselenobenzoic acid; Se*H*-*form*, Et ester, *in* M-1-00130
- 135250-02-1 4-Methylselenobenzoic acid; Se*H*-*form*, Et ester, *in* M-1-00132

135304-92-6	(Aminomethylene)propanedial, A-1-00168	136522-30-0	4-Amino-2-cyclopentene-1-methanol, <i>see</i> A-1-00097	137769-27-8	(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; (<i>S</i>)-form, Oxide, isopropyl ether, <i>in</i> H-1-00064
135329-20-3	3,4-Dihydro-8-hydroxy-1(2 <i>H</i>)-isoquinolinone, D-1-00287	136522-35-5	4-Amino-2-cyclopentene-1-methanol, <i>see</i> A-1-00097	137769-30-3	(2'-Hydroxy[1,1'-binaphthalen]-2-yl)diphenylphosphine; (<i>S</i>)-form, Isopropyl ether, <i>in</i> H-1-00064
135417-64-0	Bromuconazole, <i>see</i> B-1-00406	136632-36-5	1,6-Anhydro-4-deoxy-4-(diphenylphosphino)glucopyranose; β - <i>D</i> -form, 2-(4-Methylbenzenesulfonyl), <i>P</i> -oxide, <i>in</i> A-1-00229	137787-52-1	(1-Methylpropadienyl)(2,4,6-trimethylphenyl)phosphinous chloride, M-1-00120
135511-16-9	4-Hepten-6-yn-1-ol, <i>see</i> H-1-00017	136705-66-3	3,6-Octanediol; (3 <i>S</i> ,6 <i>S</i>)-form, <i>in</i> O-1-00022	138323-06-5	2,3,4,5-Tetrahydro-3-pyridazinecarboxylic acid; (<i>S</i>)-form, Me ester, <i>in</i> T-1-00055
135511-17-0	4-Hepten-6-yn-1-ol, <i>see</i> H-1-00017	136705-67-4	4,7-Diethyl-1,3,2-dioxathiepane 2,2-dioxide, <i>in</i> O-1-00022	138373-82-7	2-Chloro-1-propylamine, <i>see</i> C-1-00158
135579-62-3	10,11-Dihydro-10,5-(iminomethano)-5 <i>H</i> -dibenzo[<i>a,d</i>]cycloheptene; (+)-form, <i>N</i> -Me, <i>in</i> D-1-00293	136708-44-6	7-(Methylthio)bicyclo[2.2.1]hepta-2,5-diene, <i>in</i> B-1-00082	138513-21-0	6-Amino-4-cyclohexene-1,2,3-triol, <i>see</i> A-1-00093
135587-65-4	2,3-Dihydro-2-methyl-4 <i>H</i> -1-benzothioopyran-4-one; (<i>R</i>)-form, <i>in</i> D-1-00298	136766-50-2	4-Amino-4-deoxyribose; α - <i>D</i> -Pyranose-form, Hydrochloride, <i>in</i> A-1-00108	138541-53-4	5-(Chloromethyl)-2-pyrrolidinone; (<i>R</i>)-form, <i>in</i> C-1-00126
135587-66-5	2,3-Dihydro-2-methyl-4 <i>H</i> -1-benzothioopyran-4-one; (<i>R</i>)-form, Oxime, <i>in</i> D-1-00298	136766-51-3	4-Amino-4-deoxyribose; β - <i>D</i> -Pyranose-form, Hydrochloride, <i>in</i> A-1-00108	138561-59-8	1-(3-Aminophenyl)ethanol; (\pm)-form, <i>in</i> A-1-00193
135603-27-9	Diethyl [1-(aminomethyl)-1-cyclopropyl]phosphonate, <i>in</i> A-1-00167	136794-55-3	4,5-Diphenyl-2-oxazolidineselone; (4 <i>S</i> ,5 <i>R</i>)-form, <i>in</i> D-1-00506	138642-53-2	4-Hydroxy-2,6-dimethyl-3-pyridinecarboxaldehyde, H-1-00090
135603-28-0	Diisopropyl [1-(aminomethyl)-1-cyclopropyl]phosphonate, <i>in</i> A-1-00167	136794-56-4	4-Phenyl-2-oxazolidineselone; (<i>R</i>)-form, <i>in</i> P-1-00085	138903-81-8	3-Hydroxycyclopentaneacetic acid; (1 <i>R</i> S,3 <i>R</i> S)-form, Me ester, <i>in</i> H-1-00075
135603-29-1	Dibutyl [1-(aminomethyl)-1-cyclopropyl]phosphonate, <i>in</i> A-1-00167	136829-79-3	Bis(1,1-dimethylethyl) (2-hydroxy-6-methoxyphenyl)phosphonate, <i>in</i> D-1-00351	138976-63-3	Iodomethyl propanedinitrile, <i>in</i> T-1-00044
135603-30-4	Diethyl [1-(aminomethyl)-1-cyclobutyl]phosphonate, <i>in</i> A-1-00164	136829-80-6	Bis(1,1-dimethylethyl) (2-hydroxy-4,6-dimethoxyphenyl)phosphonate, <i>in</i> T-1-00231	138996-14-2	1,4-Phenylenebis[phenyliodonium]; Bis(trifluoromethanesulfonate), <i>in</i> P-1-00065
135603-31-5	Diisopropyl [1-(aminomethyl)-1-cyclobutyl]phosphonate, <i>in</i> A-1-00164	136829-81-7	(2-Hydroxy-6-methoxyphenyl)phosphonic acid, <i>in</i> D-1-00351	139068-60-3	2-Methyl-1-phenyl-1,3-propanediol, <i>see</i> M-1-00109
135603-32-6	Dibutyl [1-(aminomethyl)-1-cyclobutyl]phosphonate, <i>in</i> A-1-00164	136829-82-8	(2-Hydroxy-4,6-dimethoxyphenyl)phosphonic acid, <i>in</i> T-1-00231	139083-26-4	3-Chloro-11,12-dihydroindolo[2,3- <i>a</i>]carbazole, C-1-00078
135603-33-7	Diethyl [1-(aminomethyl)-1-cyclopentyl]phosphonate, <i>in</i> A-1-00166	136863-37-1	1-Iodo-3-methoxybicyclo[1.1.1]pentane, <i>in</i> I-1-00023	139366-59-9	1,3,2-Dithiazol-1-ium(1+); Chloride, <i>in</i> D-1-00530
135603-34-8	Diisopropyl [1-(aminomethyl)-1-cyclopentyl]phosphonate, <i>in</i> A-1-00166	136863-39-3	1-Bromo-3-iodobicyclo[1.1.1]pentane, B-1-00305	139451-35-7	6-Nitro-2,3-naphthalenedicarboxylic acid, N-1-00025
135603-35-9	Dibutyl [1-(aminomethyl)-1-cyclopentyl]phosphonate, <i>in</i> A-1-00166	136918-89-3	5-Benzoyl-1,2,3-thiadiazole, B-1-00062	139565-93-8	1-Ethynyl-1 <i>H</i> -pyrrole, E-1-00041
135603-36-0	Diethyl [1-(aminomethyl)-1-cyclohexyl]phosphonate, <i>in</i> A-1-00165	136981-81-2	1,3-Diphenyl-3-propen-1-ol, <i>see</i> D-1-00514	139626-79-2	6-Amino-4-cyclohexene-1,2,3-triol, <i>see</i> A-1-00093
135603-37-1	Diisopropyl [1-(aminomethyl)-1-cyclohexyl]phosphonate, <i>in</i> A-1-00165	137174-05-1	2-Cyclohexene-1-acetic acid; (<i>S</i>)-form, <i>in</i> C-1-00196	139626-80-5	6-Amino-4-cyclohexene-1,2,3-triol, <i>see</i> A-1-00093
135603-38-2	Dibutyl [1-(aminomethyl)-1-cyclohexyl]phosphonate, <i>in</i> A-1-00165	137248-25-0	<i>tert</i> -Butylmesitylphosphinic acid; Azide, <i>in</i> B-1-00427	139959-66-3	9,12,17-Octadecatrienoic acid; (9 <i>Z</i> ,12 <i>Z</i>)-form, <i>in</i> O-1-00004
135603-61-1	1-(Aminomethyl)cyclopropanephosphonic acid, A-1-00167	137248-26-1	Bis(2,4,6-triisopropylphenyl)phosphonic acid; Azide, <i>in</i> B-1-00213	139988-09-3	3,4-Dihydro-7-ethynyl-2(1 <i>H</i>)-naphthalenone, D-1-00279
135603-62-2	1-(Aminomethyl)cyclobutanephosphonic acid, A-1-00164	137474-25-0	3-Bromodiphenylmethanol; (\pm)-form, <i>in</i> B-1-00291	141269-14-9	6-Amino-4-cyclohexene-1,2,3-triol, <i>see</i> A-1-00093
135603-63-3	1-(Aminomethyl)cyclopentanephosphonic acid, A-1-00166	137474-26-1	2-Bromodiphenylmethanol; (\pm)-form, <i>in</i> B-1-00290	141281-58-5	3-Amino-2-naphthalenemethanol, A-1-00185
135603-64-4	1-(Aminomethyl)cyclohexanephosphonic acid, A-1-00165	137552-55-7	Tris(tetrahydrofuralenyl)phosphine, T-1-00277	141667-22-3	2,8-Nonanediol; (2 <i>S</i> ,8 <i>S</i>)-form, <i>in</i> N-1-00047
135655-33-3	Bis(4-methoxyphenyl)methaneselone, B-1-00183	137564-88-6	1,1,3,3-Tetra- <i>tert</i> -butyltriphosphine, <i>see</i> T-1-00007	141793-26-2	1-Adamantylphosphonous acid; Diiodide, <i>in</i> A-1-00041
135684-04-7	3-Amino-3-deoxygalactose; β - <i>D</i> -Pyranose-form, <i>N</i> -Ac, <i>in</i> A-1-00102	137564-97-7	1-Phosphabicyclo[4.3.0]nonane; (1 <i>R</i> S,6 <i>S</i> R)-form, <i>in</i> P-1-00116	141812-18-2	Thieno[3,2- <i>h</i>][1,6]naphthyridine, T-1-00126
135743-09-8	Icariside H ₁ , <i>in</i> T-1-00233	137564-99-9	1-Phosphabicyclo[4.3.0]nonane; (1 <i>R</i> S,6 <i>S</i> R)-form, Hydrogen fluorosulfate, <i>in</i> P-1-00116	141812-19-3	Thieno[3,4- <i>h</i>][1,6]naphthyridine, T-1-00127
135937-81-4	α,α -Dimethyl-1,3-dioxalane-2-methanethiol, <i>in</i> M-1-00010	137565-00-5	1-Methyloctahydrohydrophosphindolizinium iodide, <i>in</i> P-1-00116	141812-20-6	Thieno[2,3- <i>h</i>][1,6]naphthyridine, T-1-00125
136317-52-7	3-Deoxy-3-iodoribose; α - <i>D</i> -Furanose-form, 1,2- <i>O</i> -Isopropylidene, 5-methoxycarbonyl, <i>in</i> D-1-00065	137565-01-6	1-Phosphabicyclo[4.3.0]nonane; (1 <i>R</i> S,6 <i>S</i> R)-form, Sulfide, <i>in</i> P-1-00116	141812-63-7	12-Bromo-2-dodecanol, B-1-00292
136379-28-7	2,2'-Bis(diphenylphosphino)methyl]biphenyl, <i>see</i> B-1-00158	137565-02-7	1-Phosphabicyclo[4.3.0]nonane; (1 <i>R</i> S,6 <i>S</i> R)-form, Selenide, <i>in</i> P-1-00116	141874-91-1	1,3-Bis(diphenylphosphino)cyclohexane; (1 <i>R</i> S,3 <i>R</i> S)-form, Dioxide, <i>in</i> B-1-00155
136496-87-2	Diethyl (1-nitropropyl)phosphonate, <i>in</i> N-1-00032	137593-49-8	1-Phosphabicyclo[4.3.0]nonane; (1 <i>R</i> S,6 <i>S</i> R)-form, Oxide, <i>in</i> P-1-00116	141884-17-5	2-Methylcyclohexanone; (\pm)-form, <i>in</i> M-1-00056
		137695-68-2	Dodecachlorotriphenylene, D-1-00543	141958-14-7	<i>P</i> -(Diazomethylene)- <i>N,N,N',N',N'',N''',N''''</i> -octacyclohexylbis(phosphonous diamide), <i>in</i> D-1-00121
		137741-15-2	1-Bromo-3-methylbicyclo[1.1.1]pentane, B-1-00314	142183-86-6	3,5-Bis(hydroxymethyl)biphenyl, B-1-00176
		137742-81-5	1,2-Difluoro-1,1,2,2-tetraphenylethane, D-1-00251	142363-25-5	2-Methyl-4-phenyl-1-butylamine; (<i>R</i>)-form, <i>in</i> M-1-00104
				142438-74-2	(1-Ethylpropylidene)propanedioic acid, <i>see</i> E-1-00025
				142569-51-5	2-(Mercaptomethyl)butanoic acid; (<i>S</i>)-form, <i>in</i> M-1-00009

142593-09-7	1,10-Phenanthroline-4,7-dicarboxylic acid; Di-Me ester, in P-1-00035	145852-36-4	[Bicyclo[3.1.1]heptyl]-6-phosphonic acid; (1 α ,5 α ,6 β)-form, in B-1-00089	147384-05-2	1,2,3,4-Tetrahydro-2-naphthaleneacetic acid; (\pm)-form, in T-1-00046
142599-70-0	1-Phenylphosphetane, P-1-00091	145902-21-2	5,6,7,8,9,10,11,12-Octahydro-2H-1,15,4,8,12-benzodioxatriazacycloheptadecine-3,13(4H,14H)-dione; 8-Me, in O-1-00012	147437-84-1	Triphenylbis(phenylethynyl)phosphorane, T-1-00256
142750-13-8	7-Hydroxy-9H-carbazole-3-carboxaldehyde, H-1-00070	145902-25-6	5,6,7,8,9,10,11,12-Octahydro-2H-1,15,4,8,12-benzodioxatriazacycloheptadecine-3,13(4H,14H)-dione; 8-(2-Cyanoethyl), in O-1-00012	147437-85-2	1,2-Ethynediylbis(triphenylbis(phenylethynyl)phosphorane), E-1-00033
142761-44-2	3-Bromotricyclo[3.3.1.0 ^{3,7}]nonane, B-1-00400	145932-38-3	(Aminomethyl)phenylphosphinic acid, see A-1-00177	147513-34-6	4-Hydroxy-4-phenyl-2-butenal; (2E,4R)-form, in H-1-00168
142796-97-2	6-Amino-4-cyclohexene-1,2,3-triol; (1R,2S,3R,6R)-form, in A-1-00093	145932-39-4	(Aminomethyl)phenylphosphinic acid, see A-1-00177	147613-78-3	4,4'-Diethynylbenzophenone, D-1-00231
142892-31-7	3-Bromo-4-(cyanomethyl)pyridine, in B-1-00386	146000-51-3	1-Bromo-2,3-dihydro-1H-benz[f]indene, B-1-00281	147673-38-9	3-Hydroxymethyl-5,5-dimethyl-2,4-hexanediol; (2R,3S,4R)-form, in H-1-00121
143154-10-3	6,7-Bis(bromomethyl)quinoxaline, B-1-00133	146399-93-1	Butyl mannoside; α -D-Pyranose-form, 2,3,4,6-Tetrabenzoyl, in B-1-00426	147780-38-9	3-Aminocyclopentanemethanol; (1R,3S)-form, Hydrochloride, in A-1-00095
143168-17-6	5-Hydroxy-1-cyclopentene-1-carboxylic acid; (R)-form, Et ester, in H-1-00076	146445-11-6	9-Deazaadenosine; 5'-O- α -D-Glucopyranoside, in D-1-00001	147780-45-8	3-Aminocyclopentanemethanol; (1S,3S)-form, Hydrochloride, in A-1-00095
143168-18-7	5-Hydroxy-1-cyclopentene-1-carboxylic acid; (S)-form, Et ester, in H-1-00076	146453-36-3	Butyl mannoside; α -D-Pyranose-form, in B-1-00426	147807-91-8	2,2'-(Benzo[c]thiophene-1,3-diylidene)bispropanedinitrile, B-1-00032
143289-25-2	Butyl mannoside; β -D-Pyranose-form, in B-1-00426	146474-88-6	1,2-Phenylenebis[2-thienylmethanone], P-1-00067	147807-93-0	Benzo[c]thiophene-1,3-dicarboxaldehyde, B-1-00031
143708-29-6	3-Amino-2-hydroxy-4,6-dimethylpyridine, A-1-00143	146565-74-4	4-Vinyl-2-oxazolidinone; (S)-form, in V-1-00003	147821-73-6	2,3-Di-2-pyridinyl-1H-pyrrole, D-1-00528
143838-79-3	4-O- β -D-Arabinopyranosyl-D-arabinose; 2,2',3-Tri-Ac, 1-O-(3,7,11-trimethyl-2,6,10-dodecatrienyl), in A-1-00238	146581-82-0	[2,2'-Bipyridine]-4-carboxaldehyde, B-1-00115	147912-92-3	[(Difluoromethyl)seleninyl]benzene, in D-1-00242
143880-79-9	2-Bromodiphenylmethanol; (+)-form, in B-1-00290	146581-87-5	5-(Hydroxymethyl)-2,2'-bipyridine, H-1-00113	147932-81-8	3-Chloro-4-(diethylamino)-3-cyclobutene-1,2-dione, in A-1-00074
143880-81-3	2-Fluorodiphenylmethanol; (-)-form, in F-1-00015	146762-59-6	1-Cyano-4-nitroisquinoline, in N-1-00019	147936-77-4	2-(Mercaptomethyl)butanoic acid, see M-1-00009
143880-86-8	2-Bromodiphenylmethanol, see B-1-00290	146762-60-9	4-Nitro-1-isoquinolinecarboxylic acid, N-1-00019	147977-69-3	2-(Mercaptomethyl)butanoic acid; (\pm)-form, in M-1-00009
143883-36-7	5-Methyl-3-benzofuranaldehyde, M-1-00033	146953-86-8	4-Butyl-1H-imidazole, B-1-00424	148019-71-0	10-Iododecanal, I-1-00028
143883-37-8	6-Methyl-3-benzofuranaldehyde, M-1-00035	146953-92-6	Naphtho[2,3-d]-1,2,3-trithiole; 2-Oxide, in N-1-00007	148099-41-6	Gabosine 1, in T-1-00227
143952-82-3	3,4-Dihydro-2H-naphtho[1,8-bc]-1,5-diselenocin, D-1-00312	146953-96-0	Benzotrithiole; 1-Oxide, in B-1-00038	148115-62-2	N,N,N',N'-Tetraethyl-P-9H-fluoren-9-ylphosphonous diamide, in F-1-00005
144096-04-8	Octakis(phenylseleno)naphthalene, O-1-00019	146954-01-0	Naphtho[2,3-d]-1,2,3-trithiole; 1-Oxide, in N-1-00007	148115-63-3	P-9H-Fluoren-9-yl-N,N,N',N'-tetrakis(1-methylethyl)phosphonous diamide, in F-1-00005
144654-28-4	1,6-Diphosphabicyclo[4.4.0]decane; (1RS,6SR)-form, in D-1-00523	146979-87-5	1H-Pyrazolo[5,a]indole; N-Me, in P-1-00155	148154-54-5	Gabosine J, in T-1-00227
144654-36-4	1,6-Diphosphabicyclo[4.4.0]decane, see D-1-00523	147008-27-3	1,2-Bis(1-bromoethyl)benzene, see B-1-00121	148239-77-4	2,6-Diidoanthracene, D-1-00354
144731-12-4	Dihydro-5-isopropyl-2(3H)-furanone, see D-1-00296	147008-28-4	1,2-Bis(1-bromoethyl)benzene, see B-1-00121	148355-61-7	2-(Phenoxy methoxy)ethanol, in H-1-00103
144810-53-7	1,3-Di-2-thienylbenzo[c]thiophene, D-1-00533	147034-01-3	2,5-Dibromobenzyl alcohol, D-1-00136	148378-71-6	2,7-Dibromo-3,4-dihydro-1(2H)-naphthalenone, D-1-00143
144889-08-7	2-Benzylpyrrolidine; (R)-form, Hydrochloride, in B-1-00076	147049-45-4	[2.2]Paracyclophane-4-carboxylic acid; (\pm)-form, Me ester, in P-1-00003	148388-74-3	1,5-Difluoro-2-iodo-4-nitrobenzene, D-1-00238
144909-28-4	1,6-Diphosphabicyclo[4.4.0]decane, D-1-00523	147050-16-6	Bis(2,4,6-triisopropylphenyl)phosphonic acid; Chloride, in B-1-00213	148388-75-4	2,3,4-Trifluoro-1-iodo-5-nitrobenzene, T-1-00186
144909-30-8	1,6-Diphosphatricyclo[4.4.4.0]tetradecanedium(2+); Bis(trifluoromethanesulfonate), in D-1-00525	147050-17-7	tert-Butylmesitylphosphonic acid; Chloride, in B-1-00427	148403-22-9	4-Acetyl-2-phenylpyrrole, A-1-00032
144917-47-5	(1-Acetoxyethenyl)phosphonic acid; Dichloride, in A-1-00006	147050-19-9	tert-Butylmesitylphosphonic acid; Amide, in B-1-00427	148616-45-9	1,3-Diphenyl-3-propen-1-ol, see D-1-00514
145022-62-4	2,3,4,5-Tetrahydro-3-pyridazinecarboxylic acid, see T-1-00055	147055-79-6	3-Methylisothiazolo[4,5-b]pyridine, M-1-00082	148683-14-1	3,3,3-Trifluoro-1,2-propanediol; (S)-form, in T-1-00223
145058-23-7	1,10-Phenanthroline-2,9-dicarboxylic acid; Diamide, in P-1-00034	147149-98-2	4-Amino-2-(trifluoromethyl)pyridine, A-1-00221	148692-70-0	2,5-Bis(bromomethyl)benzoic acid, B-1-00127
145290-43-3	Tetraethyl 1,3-adamantylidiphosphonate, in A-1-00037	147151-95-9	8,8'-Bis[(diphenylphosphino)methyl]-1,1'-binaphthalene, B-1-00157	148873-29-4	4-Benzyl-1-methyl-1H-pyrazole, in B-1-00073
145325-93-5	Bicyclo[5.1.1]nona-2,5-dien-4-one, B-1-00092	147164-51-0	1-(3-Fluorophenyl)ethanol, see F-1-00051	148873-79-4	2,5-Bis(bromomethyl)-1,3-dimethylbenzene, B-1-00132
145691-59-4	3,5-Dibromobenzyl alcohol, D-1-00138	147235-94-7	5-Carboxy-3-pyrrolidineacetic acid; (3S,5S)-form, in C-1-00007	148949-71-7	1,3,6,8,10,13,16,19-Octaazabicyclo[6.6.6]eicosane, see O-1-00002
145729-08-4	2,2-Bis(phenylazo)propane, B-1-00192	147293-71-8	3-Amino-3-methylazetidine, A-1-00161	148977-71-3	1,3,6,8,10,13,16,19-Octaazabicyclo[6.6.6]eicosane, see O-1-00002
145852-35-3	Dimethyl [bicyclo[3.1.1]heptyl]-6-phosphonate, in B-1-00089	147345-36-6	4-Bromo-4,4-difluorobutanoic acid, B-1-00278	149286-91-9	2,3-Dihydro-2-thioxo-1H-indole-3-acetic acid, D-1-00332
		147383-60-6	7,8,8-Trimethyl-4,5,6,7-tetrahydro-4,7-methano-1(2H)-indazole, see T-1-00249	149286-92-0	2,3-Dihydro-2-thioxo-1H-indole-3-acetic acid; Thione-form, N-Me, in D-1-00332
				149286-93-1	2,3-Dihydro-2-thioxo-1H-indole-3-acetic acid; Thione-form, N-Me, Me ester, in D-1-00332

149287-05-8	2,2'-Dithiobis(1 <i>H</i> -indole-3-acetic acid), <i>in</i> D-1-00332	151214-59-4	3-Methyl-4-phenyl-2-azetidinone; (3 <i>R</i> ,4 <i>S</i>)- <i>form</i> , <i>in</i> M-1-00101	152442-10-9	Dihydro-4-hydroxy-5-(iodomethyl)-2(3 <i>H</i>)-furanone; (4 <i>R</i> ,5 <i>S</i>)- <i>form</i> , <i>in</i> D-1-00282
149287-06-9	2,3-Dihydro-2-thioxo-1 <i>H</i> -indole-3-acetic acid; <i>SH</i> - <i>form</i> , Disulfide, <i>N,N'</i> -Di-Me, <i>in</i> D-1-00332	151214-62-9	3-Methyl-4-phenyl-2-azetidinone; (3 <i>S</i> ,4 <i>S</i>)- <i>form</i> , <i>in</i> M-1-00101	152442-11-0	Dihydro-4-hydroxy-5-(iodomethyl)-2(3 <i>H</i>)-furanone, <i>see</i> D-1-00282
149415-39-4	Triphenyleno[1,12- <i>bc</i>]selenophene, T-1-00260	151261-57-3	Methylhexathiepane, M-1-00070	152508-64-0	Bis(2,4,6-trimethylphenyl)phosphinofluoride, B-1-00214
149507-57-3	4-Benzyl-1 <i>H</i> -pyrazole, <i>see</i> B-1-00073	151261-59-5	(2-Methylpropyl)heptathiocane, M-1-00125	152508-66-2	[2,6-Bis(trifluoromethyl)phenyl]phosphonous difluoride, B-1-00212
149520-74-1	3-Aminocyclohexanone, A-1-00091	151331-25-8	3,3',4,4'-Tetrakis(bromomethyl)biphenyl, T-1-00067	152509-75-6	Cystamidin A, <i>in</i> P-1-00183
149573-61-5	Tunicoside, <i>in</i> H-1-00100	151451-86-4	3,3'-Dimethylbi(1,4,2-dithiazol-5-ylidene); (<i>Z</i>)- <i>form</i> , <i>in</i> D-1-00375	152517-46-9	Heptyloxirane; (±)- <i>form</i> , <i>in</i> H-1-00021
149574-03-8	(Triphenylmethyl)phosphonothioic acid; Thiophosphoryl- <i>form</i> , Dichloride, <i>in</i> T-1-00262	151516-16-4	2-(1,3-Dithiol-2-yl)-1,3-dithiol-1-ium(1+); Tetrafluoroborate, <i>in</i> D-1-00539	152597-07-4	3,3'-Dimethylbi(1,4,2-dithiazol-5-ylidene); (<i>E</i>)- <i>form</i> , <i>in</i> D-1-00375
149574-04-9	(Triphenylmethyl)phosphonothioic acid; Thiophosphoryl- <i>form</i> , Difluoride, <i>in</i> T-1-00262	151554-76-6	Pyrazolo[1,2- <i>a</i>][1,2,3]triazin-5-ium-4-olate, P-1-00158	152711-13-2	5-Hydroxymethyl-3-methoxy-2(5 <i>H</i>)-furanone, <i>in</i> H-1-00099
149622-30-0	Dibenzo[<i>a,d</i>]cycloocten-12(5 <i>H</i>)-one, D-1-00126	151554-78-8	Pyrazolo[1,5- <i>b</i>]pyridazin-4(7 <i>H</i>)-one, P-1-00156	152711-16-5	3-Hydroxy-5-hydroxymethyl-2(5 <i>H</i>)-furanone, H-1-00099
149639-52-1	7-Phenyl-7 <i>H</i> -benzo[<i>e</i>]naphtho[2,1- <i>b</i>]phosphindole; (±)- <i>form</i> , <i>in</i> P-1-00047	151598-76-4	5 <i>H</i> -Pyrido[4,3- <i>b</i>]indole-6,9-dione, P-1-00175	152713-94-5	3-Chlorocyclobutanol; (1 <i>R</i> ,3 <i>SR</i>)- <i>form</i> , <i>in</i> C-1-00029
149665-18-9	Coixinden A, <i>in</i> H-1-00101	151598-80-0	5 <i>H</i> -Pyrido[3,2- <i>b</i>]indole-6,9-dione, P-1-00174	152713-95-6	3-Chlorocyclobutanol; (1 <i>R</i> ,3 <i>RS</i>)- <i>form</i> , <i>in</i> C-1-00029
149775-41-7	6-(Hydroxymethyl)-2,2'-bipyridine, H-1-00114	151637-59-1	1,2,3,4-Tetrahydro-5-methyl-3-isoquinolinecarboxylic acid; (±)- <i>form</i> , <i>in</i> T-1-00042	152783-91-0	Ferrugineol, <i>see</i> M-1-00094
149794-62-7	2-Bromoethyl (4-chlorophenyl)phenylphosphinate, <i>in</i> C-1-00154	151648-04-3	4-Hydroxycycloheptanone, <i>see</i> H-1-00073	152842-78-9	6,15,24,33-Tetraiodononanacyclo [32.2.2.2 ^{2,5} .2 ^{7,10} .2 ^{11,14} .2 ^{16,19} .2 ^{20,23} .2 ^{25,28} .2 ^{29,32}]dopentacont-2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane; Tetrakis(trifluoromethanesulfonate), <i>in</i> T-1-00061
149806-06-4	6-Bromo-3-pyridinecarboxaldehyde, B-1-00388	151697-49-3	3-Chlorotricyclo[3.3.1.0 ^{3,7}]nonane, C-1-00170	152842-79-0	6,15,24,33-Tetraiodononanacyclo [32.2.2.2 ^{2,5} .2 ^{7,10} .2 ^{11,14} .2 ^{16,19} .2 ^{20,23} .2 ^{25,28} .2 ^{29,32}]dopentacont-2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane; Tetrakis(trifluoromethanesulfonate), <i>in</i> T-1-00061
150013-81-3	3-Phenyl-3-cyclohexene-1-carboxylic acid; (<i>R</i>)- <i>form</i> , <i>in</i> P-1-00059	151697-56-2	3-Phenyltricyclo[3.3.1.0 ^{3,7}]nonane, P-1-00113	152842-80-3	6,15,24,33-Tetraiodononanacyclo [32.2.2.2 ^{2,5} .2 ^{7,10} .2 ^{11,14} .2 ^{16,19} .2 ^{20,23} .2 ^{25,28} .2 ^{29,32}]dopentacont-2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane; Tetrachloride, <i>in</i> T-1-00061
150044-67-0	6-Hydroxy-1,4-cycloheptanedione, H-1-00071	151698-74-7	3-Methyl-4-octanol; (3 <i>RS</i> ,4 <i>RS</i>)- <i>form</i> , <i>in</i> M-1-00097	152842-81-4	6,15,24,33-Tetraiodononanacyclo [32.2.2.2 ^{2,5} .2 ^{7,10} .2 ^{11,14} .2 ^{16,19} .2 ^{20,23} .2 ^{25,28} .2 ^{29,32}]dopentacont-2,4,7,9,11,13,16,18,20,22,25,27,29,31,34,36,37,39,41,43,45,47,49,51-tetracosane; Tetraiodide, <i>in</i> T-1-00061
150331-97-8	α-Aminotetrahydro-3-furanacetic acid; (2 <i>S</i> ,3' <i>R</i>)- <i>form</i> , <i>in</i> A-1-00210	151698-76-9	3-Methyl-4-octanol; (3 <i>RS</i> ,4 <i>SR</i>)- <i>form</i> , <i>in</i> M-1-00097	152931-71-0	Bisquaric acid, B-1-00201
150331-99-0	α-Aminotetrahydro-3-furanacetic acid; (2 <i>S</i> ,3' <i>S</i>)- <i>form</i> , <i>in</i> A-1-00210	151765-86-5	3-Methyl-4-octanol; (3 <i>R</i> ,4 <i>R</i>)- <i>form</i> , <i>in</i> M-1-00097	152931-79-8	2,2'-Diphenyl[bi-1-cyclobuten-1-yl]-3,3',4,4'-tetrone, D-1-00493
150358-91-1	3-Amino-6,7-dihydroxy-2 <i>H</i> -1-benzopyran-2-one; Di-Me ether, <i>N</i> -formyl, <i>in</i> A-1-00123	151765-88-7	Rhynchophorol II, <i>in</i> M-1-00097	152931-80-1	Bisquaric acid; Diisopropyl ether, <i>in</i> B-1-00201
150358-92-2	3-(Acetylamino)-6,7-dimethoxycoumarin, <i>in</i> A-1-00123	151843-01-5	2,3-Dihydro-4,5-dimethyl-2-methylene-1 <i>H</i> -imidazole; 1,3-Di-Me, <i>in</i> D-1-00270	152999-69-4	2,3-Dihydro-2-methyl-2-vinylfuran; (<i>R</i>)- <i>form</i> , <i>in</i> D-1-00311
150358-93-3	3-Amino-6,7-dimethoxy-2 <i>H</i> -1-benzopyran-2-one, <i>in</i> A-1-00123	151909-75-0	Butoconazole; (<i>S</i>)- <i>form</i> , Nitrate, <i>in</i> B-1-00411	153035-09-7	3-Fluoro-2-iodo-4-pyridinecarboxylic acid, F-1-00027
150624-46-7	Pseudoverdin, <i>in</i> A-1-00123	151909-77-2	Butoconazole; (<i>R</i>)- <i>form</i> , Nitrate, <i>in</i> B-1-00411	153062-14-7	α-Phenylloxiranemethanol, <i>see</i> P-1-00087
150639-15-9	3-Phenylcyclobutanol; (1 <i>RS</i> ,3 <i>SR</i>)- <i>form</i> , <i>in</i> P-1-00057	151918-49-9	5-Phenyl-1,2,3-thiadiazole-4-carboxaldehyde, P-1-00101	153062-15-8	α-Phenylloxiranemethanol, <i>see</i> P-1-00087
150639-16-0	3-Phenylcyclobutanol, <i>see</i> P-1-00057	151961-31-8	3,5-Di- <i>tert</i> -butyl-1,2,4-thiadiphosphole, D-1-00173	153063-45-7	2,3-Dimethylcyclopentanol; (1 <i>RS</i> ,2 <i>SR</i> ,3 <i>RS</i>)- <i>form</i> , <i>in</i> D-1-00389
150640-22-5	4-Methylphenyl nitromethyl sulfide, M-1-00106	151983-36-7	8,8a-Dihydro-5(3 <i>H</i>)-indolizinone, <i>see</i> D-1-00295	153063-46-8	2,3-Dimethylcyclopentanol; (1 <i>R</i> ,2 <i>S</i> ,3 <i>R</i>)- <i>form</i> , <i>in</i> D-1-00389
150670-63-6	3,4-Dihydrocyclopent[<i>b</i>]indol-2(1 <i>H</i>)-one, D-1-00267	151983-41-4	8,8a-Dihydro-5(3 <i>H</i>)-indolizinone; (<i>S</i>)- <i>form</i> , <i>in</i> D-1-00295	153063-47-9	2,3-Dimethylcyclopentanol; (1 <i>S</i> ,2 <i>R</i> ,3 <i>S</i>)- <i>form</i> , <i>in</i> D-1-00389
150692-98-1	1-(2,5-Dihydroxyphenyl)-3-methyl-2-buten-1-one, D-1-00350	152045-16-4	Ferrugineol, <i>see</i> M-1-00094		
150786-93-9	1-Methoxyphosphetane 1-oxide, <i>in</i> P-1-00117	152094-16-1	2,3,4,5-Tetrahydro-3-pyridazinecarboxylic acid; (<i>S</i>)- <i>form</i> , <i>in</i> T-1-00055		
150921-43-0	1,8-Dimethoxy-2,3-methylenedioxyxanthone, <i>in</i> T-1-00060	152094-25-2	2,3,4,5-Tetrahydro-3-pyridazinecarboxylic acid; (<i>S</i>)- <i>form</i> , Trifluoroacetate salt, <i>in</i> T-1-00055		
150985-69-6	1 <i>H</i> -Pyrrole-3-propanoic acid, <i>see</i> P-1-00183	152193-57-2	3,4-Dihydro-2 <i>H</i> -naphtho[1,8- <i>bc</i>]-1,5-diselenocin; Monoxide, <i>in</i> D-1-00312		
150986-19-9	1,2,3,4,5,6,8-Heptachloro-7-(trichloromethyl)naphthalene, H-1-00006	152213-61-1	6-Bromo-1 <i>H</i> -indole-3-acetonitrile, <i>in</i> B-1-00304		
150990-73-1	Porphocyanine, P-1-00126	152213-62-2	6-Bromo-1 <i>H</i> -indole-3-acetamide, <i>in</i> B-1-00304		
151054-89-6	3,4-Diphenyl-1 <i>H</i> -pyrrole-2-carboxylic acid; Me ester, <i>in</i> D-1-00518	152213-63-3	Methyl 6-bromo-1 <i>H</i> -indole-3-acetate, <i>in</i> B-1-00304		
151112-65-1	3-Aminocyclopentanemethanol; (1 <i>R</i> ,3 <i>S</i>)- <i>form</i> , <i>N</i> -Phenylsulfonyl, <i>in</i> A-1-00095	152246-90-7	2-Formyl-3-hydroxybenzyl formate, <i>in</i> H-1-00098		
151124-02-6	3,6-Octanediol, <i>see</i> O-1-00022	152252-76-1	2-[Bis[2-(dimethylamino)methyl]phenyl]phosphino- <i>N,N,N'</i> -trimethylbenzenemethanumium iodide, <i>in</i> T-1-00269		
151133-06-1	[2.2](1,3)Adamantanoparacyclophane, A-1-00038	152322-24-2	2-Hydroxy-3-hexanone; (±)- <i>form</i> , <i>in</i> H-1-00095		
151133-07-2	[2.2](1,3)Adamantano-2,6-pyridinophane, A-1-00039	152405-31-7	3,3'-Oxybis[2,2-dimethylpropanoic acid]; Dinitrile, <i>in</i> O-1-00059		
151214-31-2	3-Aminocyclopentanemethanol, <i>see</i> A-1-00095				

153063-52-6	2,3-Dimethylcyclopentanol; (1 <i>R,S</i> ,2 <i>SR</i> ,3 <i>RS</i>)-form, Chloroacetate, in D-1-00389	154028-93-0	2-Hydroxy-2-phenylcyclohexanecarboxylic acid; (1 <i>S</i> ,2 <i>R</i>)-form, in H-1-00169	155529-25-2	2-(Bromomethyl)-1-butanol; (±)-form, in B-1-00318
153140-88-6	2-Methyl-1-benzotellurepin, M-1-00038	154061-67-3	2-Amino-6-bromohexanoic acid; (S)-form, Me ester, in A-1-00069	155534-58-0	6-Nitro-2,3-naphthalenedicarboxylic acid; Di-Et ester, in N-1-00025
153140-94-4	2- <i>tert</i> -Butyl-1-benzoselenepin, B-1-00413	154061-68-4	2-Amino-6-bromohexanoic acid; (S)-form, <i>N</i> -Ac, Me ester, in A-1-00069	155587-92-1	5,6,7,8,13,14,15,16,21,23,24,29,30,31,32-Hexadecadehydrotetrazobenzocycloctatracosene, H-1-00023
153202-81-4	1 <i>H</i> -Cyclopropa[<i>b</i>]naphthalene-3,6-dione, C-1-00219	154098-18-7	2-Hydroxy-2-phenylcyclohexanecarboxylic acid; (1 <i>R</i> ,2 <i>S</i>)-form, in H-1-00169	155627-31-9	3-Benzylpyrrolidine; (S)-form, in B-1-00077
153219-25-1	3-Methyl-1-heptyne; (R)-form, in M-1-00069	154123-03-2	1-Phenyl-1 <i>H</i> -pyrrole-2-methanamine, in A-1-00182	155627-32-0	3-Benzylpyrrolidine; (R)-form, in B-1-00077
153274-67-0	2-Cyanoindolizine, in I-1-00016	154147-23-6	Di-1-adamantylphosphine; Sulfide, in D-1-00082	155632-45-4	4,6-Dicyano-1 <i>H</i> ,3 <i>H</i> -thieno[3,4- <i>c</i>]thiophene, in T-1-00129
153288-76-7	2,6-Bis(dicyanomethylene)-2,6-dihydrobenzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene, B-1-00146	154147-25-8	Di-1-adamantylphosphine; Selenide, in D-1-00082	155632-46-5	1 <i>H</i> ,3 <i>H</i> -Thieno[3,4- <i>c</i>]thiophene-4,6-dicarboxylic acid; Diamide, in T-1-00129
153477-75-9	1,1,2-Tris(diphenylphosphino)cyclopropane, T-1-00273	154147-28-1	Di-1-adamantylmethylphosphine; Oxide, in D-1-00081	155632-47-6	1,3-Dibromo-4,6-dicyanothieno[3,4- <i>c</i>]thiophene, D-1-00142
153477-76-0	1,1,2-Tris(diphenylphosphino)cyclopropane; Trioxide, in T-1-00273	154170-44-2	Ferrugineol, M-1-00094	155632-48-7	3,4-Bis(bromomethyl)-2,5-dicyanothiophene, in B-1-00134
153477-77-1	1,1,2-Tris(diphenylphosphino)cyclopropane; Trisulfide, in T-1-00273	154353-45-4	Bisthiazolo[3,2- <i>b</i> :3',2'- <i>e'</i>][1,2,4,5]tetrazine, B-1-00202	155635-19-1	1-Bromo-3-chlorobicyclo[1.1.1]pentane, B-1-00236
153481-07-3	[μ_3 -[1-Cyclopropanyl-2-ylidene]tris(diphenylphosphine)- <i>P</i> : <i>P'</i> : <i>P''</i>]nonahydrotriboron], in T-1-00273	154425-12-4	2-Amino-3-fluoro-2-(fluoromethyl)acetic acid; Me ester, in A-1-00138	155671-20-8	1-(2-Fluorophenyl)ethanol, see F-1-00050
153498-38-5	2,6-Diethynyl-1 <i>H</i> ,7 <i>H</i> -pyrazolo[1,2- <i>a</i>]pyrazole-1,7-dione, D-1-00235	154439-14-2	2-Hydroxycycloheptanone, see H-1-00072	155671-79-7	Tricyclo[3.3.1.0 ^{2,8}]nona-3,6-diene-2,4,6,8-tetracarboxylic acid; Tetra-Me ester, in T-1-00172
153534-80-6	3,9-Dihydro-1,3,9-trimethyl-8-nitroso-1 <i>H</i> -purine-2,6-dione, D-1-00334	154498-88-1	Diphenylphosphinecarboxylic acid, see D-1-00507	155748-76-8	11,12,13-Trinor-7-calamenone; (S)-form, in T-1-00254
153535-52-5	2,3-Dihydro-7-phenyl-4 <i>H</i> -1-benzopyran-4-one, D-1-00320	154523-21-4	2-Methyl-1 <i>H</i> -indole-4-methanol, M-1-00074	155787-78-3	Pentacyclo[5.4.2.1 ^{7,13} .6.0 ^{10,13} .0 ^{12,14}]tetradeca-4,8-diene, P-1-00009
153579-98-7	2,2-Dimethylcyclopentanecarboxylic acid; (±)-form, Me ester, in D-1-00387	154523-22-5	4-(Methoxymethyl)-2-methylindole, in M-1-00074	155791-58-5	2-Iodo-2-cyclohexen-1-ol, I-1-00027
153580-00-8	2-Cyano-1,1-dimethylcyclopentane, in D-1-00387	154540-16-6	3-Fluoro-5-(hydroxymethyl)-2(5 <i>H</i>)-furanone; (S)-form, in F-1-00024	155793-46-7	3-Amino-4-(trifluoromethyl)quinoline, A-1-00222
153580-77-9	Tetrathia[20]annulene[2,0,2,0], T-1-00101	154617-23-9	1,2,4-Triphenyl-1-buten-3-yne; (E)-form, in T-1-00258	155793-47-8	6-Amino-5-(trifluoromethyl)quinoline, A-1-00224
153614-82-5	3-(Phenylethynyl)phenol; Ac, in P-1-00071	154618-91-4	10,15,20,25,30,35-Hexahydro-5 <i>H</i> -heptabenzocycloheptacosene, H-1-00041	155826-17-8	5,8-Dimethylisoquinoline; <i>N</i> -Oxide, in D-1-00444
153632-71-4	(Diphenylphosphinodithioato)phenyltellurium(II), D-1-00509	154618-96-9	5 <i>H</i> -Heptabenzocycloheptacosene-5,10,15,20,25,30,35-heptone, H-1-00004	155885-64-6	Eudistomin U, I-1-00021
153650-26-1	7 <i>H</i> -1-Benzopyrano[3,2- <i>c</i>]benzopyrylium(1+); Perchlorate, in B-1-00024	154634-96-5	3,5-Dimethylmorpholine; (3 <i>S</i> ,5 <i>S</i>)-form, in D-1-00449	155904-20-4	2,6-Diiodobenzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene, D-1-00355
153716-47-3	10 <i>H</i> -Pyrrolo[1,2- <i>b</i>]1,2-benzothiazin-10-one, P-1-00187	154799-15-2	Dihydro-5-isopropyl-2(3 <i>H</i>)-furanone; (S)-form, in D-1-00296	155954-10-2	4 <i>b</i> ,9,13 <i>b</i> ,18-Tetrahydroindeno[1,2- <i>a</i>]indeno[2',1'-2,3]indeno[1,2- <i>b</i>]indene, T-1-00038
153745-64-3	3-Amino-1-phenyl-1-propanol; (±)-form, <i>N</i> -Me, in A-1-00199	154802-25-2	Cruentol, in M-1-00098	155988-84-4	3-Bromobenzo[<i>c</i>]thiophen-1(3 <i>H</i>)-one; (±)-form, in B-1-00228
153788-13-7	5,6-Dichloro-3,4-dihydro-1(2 <i>H</i>)-naphthalenone; Oxime, in D-1-00176	155050-59-2	1-Methylbenzo[<i>f</i>][1,7]naphthyridine, M-1-00037	155988-85-5	3-(Phenylthio)benzo[<i>c</i>]thiophen-1(3 <i>H</i>)-one; (±)-form, in P-1-00112
153823-24-6	Bis(phenylthio)acetaldehyde, B-1-00200	155056-26-1	2-Fluoroundecanoic acid; (±)-form, in F-1-00062	155988-86-6	3-(Phenylsulfonyl)benzo[<i>c</i>]thiophen-1(3 <i>H</i>)-one, in P-1-00112
153850-78-3	3-Nitro-1 <i>H</i> -pyrrole-2,5-dicarboxaldehyde, N-1-00035	155056-28-3	2-Fluoro-9-octadecenoic acid; (±)- <i>(Z)</i> -form, in F-1-00047	156020-89-2	3-Cyano-2,5-diphenylpyridine, in D-1-00515
153898-66-9	1,2,3-Trithiolane; 2-Oxide, in T-1-00285	155071-29-7	3-Methoxy-1-methyl-1 <i>H</i> -pyrrole-2,5-dione, in M-1-00015	156119-23-2	5,6-Dihydro-1,3-dithiolo[4,5- <i>b</i>]1,4-oxathin-2-one, D-1-00278
153908-73-7	1,2,3,4-Tetrahydro-4-phenyl-3-isoquinolinecarboxylic acid; (3 <i>RS</i> ,4 <i>RS</i>)-form, <i>N</i> -Me, in T-1-00050	155073-30-6	Ferrugineol, see M-1-00094	156140-50-0	1,4-Dimethylbicyclo[2.2.2]oct-5-en-2-one, D-1-00373
153908-77-1	1,2,3,4-Tetrahydro-4-phenyl-3-isoquinolinecarboxylic acid; (3 <i>RS</i> ,4 <i>RS</i>)-form, in T-1-00050	155073-31-7	Ferrugineol; (4 <i>S</i> ,5 <i>S</i>)-form, in M-1-00094	156181-21-4	4,4-Dichlorooctane, D-1-00190
153916-43-9	2-(1,3-Dithiol-2-ylidene)-5-(4 <i>H</i> -thiopyran-4-ylidene)[1,3]dithiolo[4,5- <i>a'</i>]-1,3-dithiole, D-1-00541	155140-39-9	4-Iodo-2(5 <i>H</i>)-furanone, I-1-00034	156181-22-5	4,4-Dibromooctane, D-1-00155
153995-47-2	Bis[(di- <i>tert</i> -butylphosphino)methyl]methylphosphine, B-1-00144	155144-20-0	Tetracyclohexylethene, T-1-00015	156181-23-6	2,2-Dibromoheptane, D-1-00147
153995-48-3	Bis[[bis(1,1-dimethylethyl)phosphinothioyl]methyl]methylphosphine sulfide, in B-1-00144	155203-78-4	2,3-Diphenyl-1,2-propanediol, D-1-00513	156329-60-1	3-Bromobicyclo[1.1.1]pentane-1-carboxylic acid; Na salt, in B-1-00229
154010-91-0	3-(2-Thienyl)-1 <i>H</i> -indole; <i>N</i> -Me, in T-1-00131	155239-00-2	Conduramine A ₁ , in A-1-00093	156329-61-2	1-Bromo-3-cyanobicyclo[1.1.1]pentane, in B-1-00229
		155239-03-5	Conduramine F ₁ , in A-1-00093	156329-63-4	1-Acetyl-3-bromobicyclo[1.1.1]pentane, A-1-00013
		155239-06-8	Conduramine C ₁ , in A-1-00093	156329-70-3	3-Bromobicyclo[1.1.1]pentane-1-carboxylic acid, B-1-00229
		155351-45-4	2,2'-[1,1'-Binaphthalene]-2,2'-diylbis-1,10-phenanthroline; (±)-form, in B-1-00104	156329-71-4	3-Chlorobicyclo[1.1.1]pentane-1-carboxylic acid; Me ester, in C-1-00025
		155377-19-8	3-Trifluoromethyl-1 <i>H</i> -pyrazole-4-carboxylic acid, see T-1-00212	156329-73-6	3-Chlorobicyclo[1.1.1]pentane-1-carboxylic acid, C-1-00025
		155396-27-3	1-Bromo-4-methyleneadamantane, B-1-00328	156329-75-8	3-Acetylbicyclo[1.1.1]pentane-1-carboxylic acid, A-1-00012
		155396-29-5	1-Methyl-4-methyleneadamantane, M-1-00084	156331-25-8	2-Amino-3-azidopyrazine, A-1-00054
		155416-35-6	Newbouldine†; (±)-form, in N-1-00008	156339-60-5	Tetrathia[22]annulene[2,1,2,1], T-1-00102
		155416-36-7	4'-Hydroxynewbouldine, in N-1-00008		
		155450-29-6	2,6,10-Trimethyltridecanoic acid; Me ester, in T-1-00251		

156339-67-2	6,7,14,15,21,22,29,30-Octahydro-13 <i>H</i> ,28 <i>H</i> -tetrabenzo[<i>e</i> , <i>j</i> , <i>p</i> , <i>u</i>][1,4,12,15,8,19]tetraoxadiazacyclodocosine, O-1-00017	156969-46-9	5-Hydroxy-2-methylpyrazolo[1,5- <i>a</i>]pyridine; Benzoyl, in H-1-00130	158414-70-1	3-Amino-5,5-dimethylhexanoic acid; (±)- <i>form</i> , Hydrochloride, in A-1-00127
156355-41-8	2,7-Bis(dicyanomethylene)-2,7-dihydrobenzo[2,1- <i>b</i> :3,4- <i>b'</i>]dithiophene, B-1-00148	156969-47-0	5-Methoxy-2-methylpyrazolo[1,5- <i>a</i>]pyridine, in H-1-00130	158530-98-4	Pyrido[4',3':4,5]pyrimido[2,1- <i>a</i>]isoindol-10(12 <i>H</i>)-one, P-1-00177
156355-42-9	2,7-Bis(dicyanomethylene)-2,7-dihydrobenzo[1,2- <i>b</i> :4,3- <i>b'</i>]dithiophene, B-1-00147	157008-56-5	2,3-Diphenyl-1,2-propanediol; (±)- <i>form</i> , in D-1-00513	158530-99-5	10 <i>H</i> -Pyrido[4',3':4,5]imidazo[2,1- <i>a</i>]isoindol-10-one, P-1-00172
156355-43-0	2,7-Diiodobenzo[2,1- <i>b</i> :3,4- <i>b'</i>]dithiophene, D-1-00357	157034-64-5	2,3-Dihydro-2-methyl-4(1 <i>H</i>)-pyridinone; (<i>R</i>)- <i>form</i> , in D-1-00310	158696-60-7	Bis[1,4]benzodithino[2,3- <i>b</i> :2',3'- <i>e</i>]pyridine, B-1-00119
156456-68-7	2'-(Diphenylphosphino)-[1,1'-binaphthalene]-2-carboxylic acid; (<i>R</i>)- <i>form</i> , Nitrile, oxide, in D-1-00508	157248-87-8	2,6-Dimethyl-1,4-benzenedimethanol, D-1-00371	158779-89-6	1-Acenaphthylene-methanol, A-1-00005
156456-69-8	2'-(Diphenylphosphino)-[1,1'-binaphthalene]-2-carboxylic acid; (<i>R</i>)- <i>form</i> , Nitrile, in D-1-00508	157283-08-4	3,4-Dimethoxy-1 <i>H</i> -pyrrole-2,5-dicarboxylic acid, in D-1-00353	158815-54-4	1,2,3-Trimethyl-4-nitrosobenzene, T-1-00243
156456-73-4	2'-(Diphenylphosphino)-[1,1'-binaphthalene]-2-carboxylic acid; (<i>R</i>)- <i>form</i> , Me ester, <i>P</i> -oxide, in D-1-00508	157364-39-1	2-(Trifluoromethyl)-1-indanone, T-1-00206	158815-55-5	1,2,4-Trimethyl-5-nitrosobenzene, T-1-00244
156456-74-5	2'-(Diphenylphosphino)-[1,1'-binaphthalene]-2-carboxylic acid; (<i>R</i>)- <i>form</i> , Me ester, in D-1-00508	157368-11-1	8-(1,3-Dithio-2-ylidene)-8 <i>H</i> -dithieno[3,2- <i>b</i> :2',3'- <i>e</i>]thiopyran, D-1-00542	158815-56-6	1,2,3,4-Tetramethyl-5-nitrosobenzene, T-1-00085
156456-75-6	2'-(Diphenylphosphino)-[1,1'-binaphthalene]-2-carboxylic acid; (<i>R</i>)- <i>form</i> , in D-1-00508	157368-13-3	8 <i>H</i> -Dithieno[3,2- <i>b</i> :2',3'- <i>e</i>]thiopyran-8-one; 4-Oxide, in D-1-00532	158832-43-0	2-Amino-2,3,4,5-tetrahydro-3-pyridinecarboxylic acid, <i>see</i> A-1-00211
156456-77-8	[1,1'-Binaphthalen-2-yl]diphenylphosphine; (<i>S</i>)- <i>form</i> , in B-1-00105	157368-16-6	8-(1,3-Dithio-2-ylidene)-8 <i>H</i> -dithieno[3,2- <i>b</i> :2',3'- <i>e</i>]thiopyran; 4-Oxide, in D-1-00542	158832-44-1	6-Amino-2,3,4,5-tetrahydro-4-pyridinecarboxylic acid, <i>see</i> A-1-00214
156545-33-4	1-Nitro-1,3,5-cycloheptatriene, N-1-00015	157426-62-5	1-Adamantylphosphine; Oxide, in A-1-00040	158832-45-2	6-Amino-2,3,4,5-tetrahydro-3-pyridinecarboxylic acid, <i>see</i> A-1-00213
156545-34-5	1,6-Dinitro-1,3,5-cycloheptatriene, D-1-00485	157490-72-7	2-Bromo-1-(chloromethyl)adamantane, B-1-00237	158832-49-6	6-Amino-2,3,4,5-tetrahydro-2-pyridinecarboxylic acid, <i>see</i> A-1-00212
156569-67-4	Cimepanol; (<i>R</i>)- <i>form</i> , in C-1-00203	157518-53-1	3-[2-(Trifluoromethyl)phenyl]-2-propenoic acid; (<i>E</i>)- <i>form</i> , Me ester, in T-1-00208	158832-50-9	2-Amino-1,4,5,6-tetrahydro-4-pyrimidinecarboxylic acid, <i>see</i> A-1-00215
156633-49-7	7-Phenyl-7 <i>H</i> -benzo[<i>e</i>]naphtho[2,1- <i>b</i>]phosphindole; (±)- <i>form</i> , 7-Oxide, in P-1-00047	157528-69-3	1 <i>a</i> ,6[1',2']-,7,11 <i>b</i> [1'',2'']-Dibenzenodibenzo[3,4,7,8]cyclooct[1,2- <i>b</i>]oxirene, D-1-00124	158832-51-0	2-Amino-1,4,5,6-tetrahydro-5-pyrimidinecarboxylic acid, <i>see</i> A-1-00216
156644-26-7	9-Chloro-2,7-dihydroxyacridine, C-1-00080	157543-53-8	2-Amino-3-hydroxy-4-phenylbutanoic acid; (2 <i>S</i> ,3 <i>R</i>)- <i>form</i> , in A-1-00148	158832-56-5	2-Amino-3,4,5,6-tetrahydro-3-pyridinecarboxylic acid; (±)- <i>form</i> , Me ester, in A-1-00211
156644-27-8	9-Amino-2,7-dihydroxyacridine, A-1-00122	157643-31-7	[2.2.2.2](2,5)-Furanophanetetraene; (<i>E,Z,E,Z</i>)- <i>form</i> , Bis(perchlorate), in F-1-00073	158832-57-6	6-Amino-2,3,4,5-tetrahydro-4-pyridinecarboxylic acid; (±)- <i>form</i> , Me ester, in A-1-00214
156700-86-6	2,3,3,3-Tetrafluoro-2-hydroxypropanoic acid, <i>see</i> T-1-00027	157650-27-6	4-(Hydroxymethyl)-3-pyridinecarboxylic acid; Nitrile, in H-1-00136	158832-58-7	6-Amino-2,3,4,5-tetrahydro-3-pyridinecarboxylic acid; (±)- <i>form</i> , Me ester, in A-1-00213
156700-89-9	1,2,2,2-Tetrafluoroethanol, <i>see</i> T-1-00026	157722-29-7	Naphtho[1,2- <i>c</i> :5,6- <i>c'</i>]dicinoline, N-1-00004	158832-62-3	6-Amino-2,3,4,5-tetrahydro-2-pyridinecarboxylic acid; (±)- <i>form</i> , Me ester, in A-1-00212
156700-90-2	1,1,1,2-Tetrafluoro-2-methoxyethane, in T-1-00026	157722-35-5	Biphenyleno[2,1- <i>a</i>]biphenylene, B-1-00108	158832-63-4	2-Amino-1,4,5,6-tetrahydro-4-pyrimidinecarboxylic acid; (±)- <i>form</i> , Me ester, in A-1-00215
156700-95-7	2,3,3,3-Tetrafluoro-2-methoxypropanoic acid, in T-1-00027	157750-37-3	[2.2.2.2](2,5)-Furanophanetetraene; (<i>E,Z,E,Z</i>)- <i>form</i> , in F-1-00073	158832-64-5	2-Amino-1,4,5,6-tetrahydro-5-pyrimidinecarboxylic acid; (±)- <i>form</i> , Me ester, in A-1-00216
156721-55-0	[1-Amino-2-(4-imidazolyl)ethyl]phosphonic acid; (±)- <i>form</i> , in A-1-00152	157766-33-1	Tribenzocentrosquinane, T-1-00147	158832-69-0	2-Amino-3,4,5,6-tetrahydro-3-pyridinecarboxylic acid; (±)- <i>form</i> , in A-1-00211
156747-88-5	7-Methyl-7-phenylbenzo[<i>e</i>]naphtho[2,1- <i>b</i>]phosphindolium iodide, in P-1-00047	157798-73-7	(3-Pyridinyl)(2-thienyl)acetylene, P-1-00161	158832-70-3	6-Amino-2,3,4,5-tetrahydro-4-pyridinecarboxylic acid; (±)- <i>form</i> , in A-1-00214
156747-89-6	7-Ethyl-7-phenylbenzo[<i>e</i>]naphtho[2,1- <i>b</i>]phosphindolium iodide, in P-1-00047	157798-74-8	(2-Pyridinyl)(3-thienyl)acetylene, P-1-00160	158832-71-4	6-Amino-2,3,4,5-tetrahydro-3-pyridinecarboxylic acid; (±)- <i>form</i> , in A-1-00213
156767-44-1	2-Methyl-5-phenyl-1-pentanol; (<i>R</i>)- <i>form</i> , in M-1-00107	157798-75-9	(3-Pyridinyl)(3-thienyl)acetylene, P-1-00162	158832-72-5	6-Amino-2,3,4,5-tetrahydro-2-pyridinecarboxylic acid; (±)- <i>form</i> , in A-1-00212
156817-69-5	5,6-Dihydroimidazo[1,2- <i>a</i>]pyridine, D-1-00290	157993-36-7	1,8-Bis(2-formylethynyl)anthracene, B-1-00171	158832-73-6	2-Amino-1,4,5,6-tetrahydro-5-pyrimidinecarboxylic acid, A-1-00216
156854-50-1	7-Phenyl-7 <i>H</i> -benzo[<i>e</i>]naphtho[2,1- <i>b</i>]phosphindole, <i>see</i> P-1-00047	157993-37-8	8-Ethynyl-1-(2-formylethynyl)anthracene, E-1-00038	158930-47-3	2-Amino-1,4,5,6-tetrahydro-4-pyrimidinecarboxylic acid; (±)- <i>form</i> , in A-1-00215
156869-21-5	3-Phenyl-2,5-piperazinedione, <i>see</i> P-1-00094	157997-38-1	1,3-Dihydro-1-methyl-2 <i>H</i> -imidazole-2-selone, in D-1-00289	158930-48-4	6-Amino-2,3,4,5-tetrahydro-3-pyridinecarboxylic acid, <i>see</i> A-1-00213
156909-31-8	2,3-Piperazinedione; 1,4-Didecyl, in P-1-00122	158013-82-2	Diacenaphtho[3,2,1,8- <i>cdefg</i> :3',2',1',8'- <i>lmnop</i>]chrysene, D-1-00079	158962-72-2	6,6'-Bi(4,5-dihydro-6 <i>H</i> -cyclopenta[<i>b</i>]thienylidene), B-1-00101
156969-42-5	Pyrazolo[1,5- <i>a</i>]pyridin-5-ol, P-1-00157	158094-25-8	4,5,6,7-Tetrahydro-4-oxobenzo[<i>b</i>]thiophene-2-acetic acid, T-1-00049	158980-44-0	3-Phenyl-2-azetidinecarboxylic acid; (2 <i>R,S</i> ,3 <i>R,S</i>)- <i>form</i> , Hydrochloride, in P-1-00044
156969-43-6	Pyrazolo[1,5- <i>a</i>]pyridin-5-ol; Ac, in P-1-00157	158362-75-5	3-Amino-5,5-dimethylhexanoic acid, <i>see</i> A-1-00127		
156969-44-7	5-Hydroxy-2-methylpyrazolo[1,5- <i>a</i>]pyridine, H-1-00130	158362-78-8	3-Amino-5,5-dimethylhexanoic acid; (<i>R</i>)- <i>form</i> , Hydrochloride, in A-1-00127		
156969-45-8	5-Hydroxy-2-methylpyrazolo[1,5- <i>a</i>]pyridine; Ac, in H-1-00130	158362-79-9	3-Amino-5,5-dimethylhexanoic acid, <i>see</i> A-1-00127		
		158362-80-2	3-Amino-5,5-dimethylhexanoic acid; (±)- <i>form</i> , <i>N</i> -Ac, in A-1-00127		
		158362-81-3	3-Amino-5,5-dimethylhexanoic acid; (±)- <i>form</i> , Et ester, in A-1-00127		

158980-45-1	3-Phenyl-2-azetidincarboxylic acid; (2 <i>RS</i> ,3 <i>SR</i>)-form, Hydrochloride, in P-1-00044	160351-09-7	Thieno[2,3- <i>c</i>][2,7]naphthyridine, T-1-00117	161905-49-3	2,6,10-Trimethyltridecanoic acid, see T-1-00251
158980-52-0	3-Phenyl-2-azetidincarboxylic acid; (2 <i>RS</i> ,3 <i>RS</i>)-form, <i>tert</i> -Butyl ester, in P-1-00044	160351-10-0	Thieno[2,3- <i>c</i>][2,6]naphthyridine, T-1-00116	161905-50-6	2,6,10-Trimethyltridecanoic acid, see T-1-00251
158980-53-1	3-Phenyl-2-azetidincarboxylic acid; (2 <i>RS</i> ,3 <i>SR</i>)-form, <i>tert</i> -Butyl ester, in P-1-00044	160351-11-1	Thieno[3,2- <i>c</i>][2,6]naphthyridine, T-1-00118	161905-51-7	2,6,10-Trimethyltridecanoic acid, see T-1-00251
159011-43-5	1,2,3,4-Tetrahydro-2-naphthaleneacetic acid; (<i>S</i>)-form, Chloride, in T-1-00046	160351-13-3	Thieno[3,4- <i>c</i>][2,6]naphthyridine, T-1-00120	161905-52-8	2,6,10-Trimethyltridecanoic acid, see T-1-00251
159112-20-6	3-Nitro-2-phenyl-1-propylamine, N-1-00031	160351-16-6	Thieno[3,4- <i>f</i>][1,7]naphthyridine, T-1-00124	161905-53-9	2,6,10-Trimethyltridecanoic acid, see T-1-00251
159113-89-0	2,3,6,7-Anthracenetetracarboxylic acid, A-1-00236	160351-17-7	Thieno[3,4- <i>c</i>][2,7]naphthyridine, T-1-00121	161905-54-0	2,6,10-Trimethyltridecanoic acid, see T-1-00251
159113-90-3	1 <i>H</i> -Benz[<i>f</i>]inden-1-one, B-1-00011	160351-18-8	Thieno[2,3- <i>f</i>][1,7]naphthyridine, T-1-00122	161905-55-1	2,6,10-Trimethyltridecanoic acid, see T-1-00251
159144-34-0	5,7,10,12,17,24-Hexahydro-19 <i>H</i> ,22 <i>H</i> -8,21:9,20-dimethenodibenzo[<i>c,m</i>][1,6,11,16]tetrathiacycloicosin, H-1-00036	160539-04-8	Thieno[3,2- <i>c</i>][2,7]naphthyridine, T-1-00119	161905-56-2	2,6,10-Trimethyltridecanoic acid, see T-1-00251
159144-35-1	5,9,11,16,20,22-Hexahydro-7 <i>H</i> ,18 <i>H</i> -benzo[1,2- <i>d'</i> :4,5- <i>d''</i>]bis[2,7]benzodithiecin, H-1-00033	160568-14-9	5-Amino-2,2'-bipyridine, A-1-00065	161905-57-3	2,6,10-Trimethyltridecanoic acid, see T-1-00251
159148-55-7	3,3,6,6-Tetramethyl-1,4,7-octatriyne, T-1-00086	160595-62-0	Zarzissine, A-1-00153	161912-04-5	1,2-Bis(3-hydroxyphenyl)acetylene, B-1-00181
159149-26-5	4-Octene-2,6-diene, see O-1-00026	160595-63-1	1-Azido-3,3,3-trifluoro-2-propanol; (<i>S</i>)-form, in A-1-00260	161958-60-7	3-Benzoyl-5-phenylpyrrole, B-1-00055
159157-32-1	[2,2'-Bithiophene]-5-thiol, B-1-00219	160595-65-3	3-Amino-1,1,1-trifluoro-2-propanol; (<i>S</i>)-form, <i>N,N</i> -Di-Et, in A-1-00228	161958-65-2	4-Cyano-2,3-diphenylpyrrole, in D-1-00520
159181-78-9	1 <i>H</i> -Imidazo[1,2- <i>b</i>]pyrazole-6-carboxylic acid, I-1-00008	160651-00-3	1-Ethoxy-2,2,2-trifluoroethanol, in T-1-00223	161958-67-4	4,5-Diphenyl-1 <i>H</i> -pyrrole-3-carboxylic acid, D-1-00520
159190-52-0	1,2-Dichloro-3,4,5,6,7,8-hexafluorocyclooctatetraene, D-1-00179	160651-50-3	(Aminomethylene)propanedial; <i>N</i> -Me, in A-1-00168	162087-56-1	4-Methylpyrylium(1+); Tetrafluoroborate, in M-1-00129
159217-27-3	1-Iodo-3,3-dimethyl-1-butene, I-1-00032	160663-25-2	3,3,8,8-Tetraethynyl-1,4,6,9-decatetraene, T-1-00020	162331-75-1	3-(Aminomethyl)-4-hydroxy-3-cyclobutene-1,2-dione, A-1-00170
159223-12-8	4,5-Bis(hydroxymethyl)-1,3-dithiole-2-thione, B-1-00178	160663-26-3	1,2-Dihydro-3 <i>H</i> -imidazo[4,5- <i>e</i>]-1,2,4-triazin-3-one, D-1-00292	162438-03-1	3-Fluoro-6-iodopyridazine, F-1-00026
159223-16-2	2,3,6,7-Tetrakis(hydroxymethyl)tetrathiafulvalene; Tetra-Ac, in T-1-00073	160706-70-7	2,5-Dihydro-5-methyl-3 <i>H</i> -imidazo[4,5- <i>e</i>]-1,2,4-triazin-3-one, in D-1-00292	162469-49-0	[1,4]Thiaselenino[3,2- <i>c</i> :5,6- <i>c'</i>]diquinoline, T-1-00110
159249-10-2	2-Fluoropropanoic acid; (\pm)-form, Chloride, in F-1-00054	160706-71-8	3-Bromo-1,1,1-trifluoro-2-propanol; (<i>R</i>)-form, in B-1-00402	162469-50-3	[1,4]Diselenino[2,3- <i>c</i> :6,5- <i>c'</i>]diquinoline, D-1-00529
159262-71-2	4-Oxiranylbenzoic acid, O-1-00037	160771-20-0	3-Amino-1,1,1-trifluoro-2-propanol; (<i>S</i>)-form, in A-1-00228	162469-53-6	[1,4]Oxaselenino[3,2- <i>c</i> :5,6- <i>c'</i>]diquinoline, O-1-00033
159308-53-9	<i>N</i> -(1 <i>H</i> -Indole-3-carbonyl)urea, I-1-00014	160976-67-0	2-Benzoyl-1(2 <i>H</i>)-acenaphthylenone, B-1-00039	162600-04-6	3,4-Dihydroxy-2-methylpyrrolidine, see D-1-00345
159333-30-9	1-(1-Naphthalenyl)-2-(2-naphthalenyl)-1,2-ethanediol; (1 <i>R</i> ,2 <i>R</i>)-form, in N-1-00003	161013-06-5	Bis(3,5-dibromophenyl)methane, B-1-00143	162615-12-5	3-Bromo-4-pyridineacetic acid; Me ester, in B-1-00386
159346-50-6	2,4-Dimethyl-1-hexanol, see D-1-00411	161088-18-2	2,3-Dihydro-1 <i>H</i> -cycloheptapyrazine; <i>N</i> -Benzoyl, in D-1-00263	162710-73-8	1-Nitro-2-adamantanone, N-1-00010
159392-36-6	3,3'-Dichloro-1,1':4',1''-terphenyl, D-1-00195	161088-19-3	1,4-Dimethylcubane, D-1-00380	162710-74-9	1,2,2-Trinitroadamantane, T-1-00252
159427-78-8	4-Nitro-1 <i>H</i> -pyrazole-3,5-dicarboxylic acid; 1-Me, di-Me ester, in N-1-00034	161196-42-5	1-Cyclopropyl-4-iodocubane, C-1-00222	162895-59-2	3,4-Dihydroxy-2-methylpyrrolidine; (2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i>)-form, in D-1-00345
159501-71-0	4-Bromo-4-methyl-3,5-diphenyl-4 <i>H</i> -pyrazole, B-1-00327	161295-03-0	2-Bromo-2-cyclohexen-1-amine; (\pm)-form, in B-1-00241	162937-26-0	4-Nitro-1 <i>H</i> -pyrazole-3,5-dicarboxylic acid, see N-1-00034
159557-92-3	[Bi-1-cyclobuten-1-yl]-3,3'-dione, B-1-00081	161431-60-3	5-Iodotryptophan; (<i>S</i>)-form, in I-1-00066	162954-85-0	5-Amino-6-mercaptohexanoic acid, see A-1-00159
159763-01-6	Dichloro(2,2,2-trifluoroethyl)iodine, D-1-00202	161458-59-9	6-(Hydroxymethyl)-2-piperidinecarboxylic acid; (2 <i>RS</i> ,6 <i>SR</i>)-form, in H-1-00125	162954-86-1	5-Amino-6-mercaptohexanoic acid; (<i>R</i>)-form, Hydrochloride, in A-1-00159
159801-69-1	2,4-Diamino-2-benzylbutanoic acid; (<i>R</i>)-form, in D-1-00083	161489-04-9	6-Iodo-3-hexanol; (<i>R</i>)-form, in I-1-00036	163079-30-9	2-Azido-3-thiophenecarboxaldehyde, A-1-00258
159811-83-3	Dihydro-4-hydroxy-5-(iodomethyl)-2(3 <i>H</i>)-furanone, see D-1-00282	161513-89-9	2-Ethynyl-4-methoxyppyrimidine, in E-1-00039	163226-46-8	3-Phenyl-1(3 <i>H</i>)-isobenzofuranthione, P-1-00077
159903-51-2	Ailanindole, A-1-00043	161530-86-5	1,7-Nonanediol; (<i>R</i>)-form, in N-1-00046	163228-42-0	1,2-Spiropentanedicarboxylic acid; (1 <i>RS</i> ,2 <i>RS</i>)-form, Di-Me ester, in S-1-00005
160002-69-7	Bicyclo[3.1.0]hexane-6,6-dicarboxylic acid; Di-Me ester, in B-1-00090	161530-87-6	2-Iodo-2-octen-1-ol; (<i>E</i>)-form, in I-1-00052	163230-53-3	5-(Chloromethyl)-2-pyrrolidinethione; (<i>S</i>)-form, in C-1-00125
160109-63-7	3,7-Nonadiyn-1-ol, N-1-00042	161838-95-5	3-Iodo-2-octen-1-ol; (<i>E</i>)-form, in I-1-00053	163276-32-2	4-(4-Phenyl-1,3-butadienyl)benzoic acid; (<i>E,E</i>)-form, Et ester, in P-1-00053
160109-64-8	3,8-Decadiyn-1-ol, D-1-00002	161905-42-6	3-Amino-3-phenylazetidine, A-1-00191	163332-87-4	1-Hydroxymethyl-4-iodocubane, H-1-00122
160109-65-9	4,9-Undecadiyn-1-ol, U-1-00002	161905-43-7	2,6,10-Trimethyltridecanoic acid, see T-1-00251	163332-88-5	4-Iodo-1-cubane-carboxaldehyde, I-1-00026
160109-68-2	5,10-Dodecadiyn-1-ol, D-1-00545	161905-44-8	2,6,10-Trimethyltridecanoic acid, see T-1-00251	163332-95-4	Dicubyl ketone, D-1-00208
160109-69-3	5,11-Tridecadiyn-1-ol, T-1-00177	161905-45-9	2,6,10-Trimethyltridecanoic acid, see T-1-00251	163332-96-5	Dicubylacetylene, D-1-00206
160168-49-0	1-Amino-3-methyl-2-butanol; (<i>S</i>)-form, in A-1-00163	161905-46-0	2,6,10-Trimethyltridecanoic acid, see T-1-00251	163332-97-6	1,4-Dicubyl-1,3-butadiyne, D-1-00207
160205-73-2	[1]Benzothiopyrano[3,2- <i>b</i>]pyrrol-9(1 <i>H</i>)-one, B-1-00033	161905-47-1	2,6,10-Trimethyltridecanoic acid, see T-1-00251	163380-56-1	1,2-Spiropentanedicarboxylic acid; (1 <i>R</i> ,2 <i>R</i>)-form, Di-Me ester, in S-1-00005
		161905-48-2	2,6,10-Trimethyltridecanoic acid, see T-1-00251	163380-57-2	1,2-Spiropentanedicarboxylic acid, see S-1-00005

- 163399-24-4 1,3,4,5,6,7,8-Heptachloro-2-naphthalenecarboxylic acid, H-1-00005
- 163399-25-5 1,3,4,5,6,7,8-Heptachloro-2-naphthalenecarboxylic acid; Me ester, *in* H-1-00005
- 165261-55-2 3,4-Perylenedicarboxylic acid; Di-Me ester, *in* P-1-00032
- 165261-56-3 3,4-Perylenedicarboxylic acid, P-1-00032
- 166041-25-4 2,3,5,6-Tetrahydro-1*H*,4*H*,12*cH*-3*a*,6*a*,12*b*-triazaperylene, T-1-00057
- 166042-86-0 5,7-Bis(diazo)-5,7-dihydro-6*H*-dibenzo[*a,c*]cyclohepten-6-one, B-1-00140
- 166241-44-7 5*a*,6,10,10*a*-Tetrahydro-1,4,6,10-diepoxy-2*H*-cyclohept[*d*]oxepin-5,9(1*H*,4*H*)dione, T-1-00033
- 166303-35-1 4,5-Hexadien-1-amine, H-1-00028
- 166450-99-3 3-(5-Bromo-3-thienyl)pyridine, B-1-00396
- 166526-77-8 Cyanonitroacetic acid, C-1-00182
- 166803-23-2 Bicyclo[4.1.1]oct-4-en-3-one, B-1-00097
- 168105-21-3 2,3-Dihydro-2-methyl-4(1*H*)-pyridinone; (*S*)-*form*, *in* D-1-00310
- 168254-30-6 1-Chloro-1-octen-3-ol, *see* C-1-00135
- 169266-86-8 5,10-Dihydro-1*H*-pyrazolo[1,2-*b*]phthalazin-1-one, D-1-00324
- 169701-91-1 3-(3-Pyridinyl)-2-thiophenecarboxaldehyde, P-1-00164
- 170384-24-4 2-(Aminomethyl)leucine; (\pm)-*form*, *in* A-1-00173
- 170384-27-7 2-(Aminomethyl)leucine; (*S*)-*form*, *in* A-1-00173
- 170384-28-8 2-(Aminomethyl)leucine; (*R*)-*form*, *in* A-1-00173
- 170663-71-5 5,5'-(1,3-Cyclopentadiene-1,2-diyl)bis[1,3-diphenyl-1*H*-tetrazolium] (1+); Trifluoromethanesulfonate, *in* C-1-00213
- 170663-73-7 5,5'-(1,3-Cyclopentadiene-1,3-diyl)bis[1,3-diphenyl-1*H*-tetrazolium] (1+); Trifluoromethanesulfonate, *in* C-1-00214
- 170743-23-4 1,1',1'',1''',1''''-(1,2,3,4,5,6-Benzenhexayl)hexakis[4-(dimethylamino)pyridinium](6+); Hexakis (trifluoromethanesulfonate), *in* B-1-00004