

3.2 Sulfur Containing Organic Compounds, C₅ to C₈₉

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
297 l-g	C₅F₁₀O₆S₂ 5.18839	Octafluoro-cyclopentanediol bis(fluorosufate) 877.069	 −145.648	 334/422	 333/424 D	 421.22/101.325	741-20-8 61-shrcad
298 l-g	C₅F₁₂O₂S 7.715	Trifluoromethane-sulfinic acid, 2,2,2-trifluoro-1,1-bis[(trifluoro-methyl)ethyl] ester 2025	 0	 L	 C	 354.69/101.325	52225-54-4 74-majshr
299 l-g	C₅F₁₂O₄S 7.2659	Pentafluoro(2,2,3,3,4,4,5-heptafluoro-5-oxopentane-peroxoato) sulfur 2040.4	 0	 L	 C	 387.90/101.325	60672-63-1 76-hopdes Note 10
300 l-g	C₅F₁₃NS 6.90522	<i>N</i>-[1,2,2,2-Tetrafluoro-1-(trifluoromethyl)-ethyl]sulfilimine 1907.69			 314/360 C		37826-44-1 84-dykrep
301 l-g	C₅F₁₄OS 6.39419	Pentafluoro-[(nonafluorocyclo-pentyl)oxy] sulfur 1383.497	 −45.559	 300/361	 300/362 C	 360.82/101.325	736-59-4 98-trchc
302 l-g	C₅H₃F₉O₂S 6.635	Trifluoromethane-sulfinic acid, 2,2,2-trifluoro-1-methyl-1-(trifluoromethyl)ethyl ester 1784	 0	 L	 C	 385.37/101.325	52225-51-1 74-majshr Note 10
303 l-g	C₅H₄O₂S 12.64871		2-Thiophene carboxylic acid 5063.102	 314/323	 310/326 C	 323.55/0.001	527-72-0 53-bracar
304 l-g	C₅H₆F₆O₂S 6.785		Trifluoromethane-sulfinic acid, 2,2,2-trifluoro-1,1-dimethylethyl ester 1854	 L	 C	 387.92/101.325	52225-49-7 74-majshr Note 10
305 l-g	C₅H₆F₆O₅S₂ 5.225		Methanesulfinic acid, trifluoro-2-hydroxy-1,3-propanediyl ester 1712	 333/418	 330/418 D	 405.21/10	61915-97-7 77-burshr Note 2
306 l-g	C₅H₆S 6.00470		2-Methylthiophene 1290.633	 324/390	 320/392 B	 385.65/101.325	554-14-3 71-eonpom, 52-whibar
307 l-g	C₅H₆S 6.05382		3-Methylthiophene 1328.883	 326/398	 324/400 B	 388.54/101.25	616-44-4 71-eonpom, 52-whibar
308 l-g	C₅H₇NS 7.363		3-Butenyl isothiocyanate 2360	 342/443	 342/443 D		3386-97-8 79-dykrep
309 cr-g	C₅H₈OS 11.055		Tetrahydro-4H-thiopyran-4-one 3746.1	 <337	 <337 D	 318.71/0.2	1072-72-6 72-geisaw Note 18
310 l-g	C₅H₉ClS 8.00836		(2-Chloroethyl) allyl sulfide 2619.9	 273/341	 273/342 C	 327.15/1	19155-35-2 48-redcha-1 Note 2
311 l-g	C₅H₉FOS 8.358		4-Fluorothiobutyric acid,<i>O</i>-methyl ester 2735	 273/333	 273/333 C	 327.23/1	63732-24-1 48-redcha-2 Note 2

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
312	C₅H₁₀OS		1-(Methylthio)-2-(vinylxy)ethane				6607-53-0
l-g	7.98017	2482.473	0	316/347	314/350 C	340.94/5	56-uni Note 13
313	C₅H₁₀S		Allyl ethyl sulfide				5296-62-8
l-g	3.04580	240.818	-205.297	301/327	299/328 B	323.01/10	62-macmay-3
314	C₅H₁₀S		Cyclopentanethiol				1679-07-8
l-g	6.03610	1386.353	-61.320	354/446	350/450 A	405.30/101.325	61-bersco, 66-osbdou
315	C₅H₁₀S		2-Methylthia-cyclopentane				1795-09-1
l-g	6.06902	1409.5	-58.742	303/433	293/443 B	405.63/101.325	66-trchc
316	C₅H₁₀S		3-Methylthia-cyclopentane				4740-00-5
l-g	6.07601	1433.16	-59.384	307/439	297/449 B	411.49/101.325	66-trchc
317	C₅H₁₀S		Thiacyclohexane				1613-51-0
l-g	6.03008	1422.47	-61.43	310/443	300/453 B	414.9/101.325	66-trchc
318	C₅H₁₁ClO₂S		1-Pentanesulfonyl chloride				6303-18-0
l-g	8.77960	3161.309	0	263/294	263/294 C	282.83/0.004	63-quinow Note 15
l-g	7.45209	2485.951	-30.192	293/387	293/387 D	363.78/1	63-quinow
l-g	6.75085	2010.719	-66.104	387/492	387/492 D	489.85/101.325	63-quinow
319	C₅H₁₁NO₂S		L-methionine				63-68-3
cr-g	11.795	6530.	0	463/485	459/491 D		79-dykrep
320	C₅H₁₂S		2,2-Dimethyl-1-propanethiol				1679-08-9
l-g	5.96496	1274.35	-54.963	280/403	270/413 B	376.83/101.325	66-trchc
321	C₅H₁₂S		3,3-Dimethyl-2-thiabutane				6163-64-0
l-g	5.97199	1259.65	-54.458	276/397	266/407 B	372.05/101.325	66-trchc
322	C₅H₁₂S		2-Methyl-1-butanethiol				1878-18-8
l-g	6.03875	1347.32	-58.078	293/418	280/433 A	392.15/101.325	66-trchc
323	C₅H₁₂S		2-Methyl-2-butanethiol				1679-09-0
l-g	5.95327	1254.89	-54.391	276/398	264/413 A	372.28/101.325	66-trchc
324	C₅H₁₂S		3-Methyl-1-butanethiol				541-31-1
l-g	6.03981	1342.51	-58.704	292/418	282/430 B	391.5/101.325	66-trchc
325	C₅H₁₂S		3-Methyl-2-butanethiol				2084-18-6
l-g	6.00011	1307.16	-55.662	285/409	275/419 B	382.91/101.325	66-trchc
326	C₅H₁₂S		2-Methyl-3-thiapentane				5145-99-3
l-g	6.0162	1293.05	-58.11	284/406	274/416 B	380.53/101.325	66-trchc
327	C₅H₁₂S		3-Methyl-2-thiapentane				10359-64-5
l-g	6.061	1334.	-56.15	288/411	282/418 C	385.15/101.325	66-trchc
328	C₅H₁₂S		4-Methyl-2-thiapentane				5008-69-5
l-g	6.0563	1336.3	-55.75	288/411	278/421 B	385.65/101.325	66-trchc
329	C₅H₁₂S		1-Pentanethiol				110-66-7
l-g	6.05801	1369.48	-61.836	300/426	290/436 B	399.79/101.325	66-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
330	C₅H₁₂S		2-Pentanethiol				2084-19-7
l-g	6.0157	1316.5	−57.25	287/412	277/422 B	385.55/101.325	66-trchc
331	C₅H₁₂S		3-Pentanethiol				616-31-9
l-g	6.0286	1332.	−55.95	288/413	279/421 C	387.05/101.325	66-trchc
332	C₅H₁₂S		2-Thiahexane				628-29-5
l-g	6.07073	1363.81	−61.076	297/423	287/433 A	396.58/101.325	66-trchc
333	C₅H₁₂S		3-Thiahexane				4110-50-3
l-g	6.0587	1341.57	−60.64	293/418	283/428 B	391.65/101.325	66-trchc
334	C₅H₁₂S₂		Ethyl isopropyl disulfide 2-Methyl-3,4-dithiahexane				53966-36-2
l-g	6.13958	1552.100	−63.093	369/426	367/428 B	365.08/10	32-weywei
335	C₅H₁₂S₂		Ethyl propyl disulfide 3,4-Dithiaheptane				30453-31-7
l-g	6.09881	1543.750	−69.765	376/414	374/418 B	391.53/20	52-whibar
336	C₅H₁₂S₂		1,5-Pentanedithiol				928-98-3
l-g	6.77911	2148.769	−40.304	363/490	362/493 C	490.46/101.325	43-halrei Note 13
337	C₅H₁₃NS		<i>N</i>-Methyl-<i>tert</i>-butylsulfenamide				900000-18-2
l-g	7.50923	2187.3	0	329/397	319/407 C		79-dykrep
338	C₆F₁₆O₄S₂		2,2,4,4-Tetrafluoro-1,1,3,3-tetrahydro-1,1,3,3-tetrakis-(trifluoromethyl)-1,3-dithiethane				63441-15-6
l-g	6.795	1935	0	L	C	404.03/101.325	77-kitshr, 78-kitshr Note 10
339	C₆F₁₆S		Difluorobis[1,2,2,2-tetrafluoro-1-(trifluoromethyl)-ethyl] sulfur				1423-18-3
l-g	6.975	1911	0	273/383	270/385 C	384.56/101.325	62-rosmue Note 10
340	C₆H₂F₁₂O₃S		2-Propanol, 1,1,1,3,3,3-hexafluorosulfide				53517-89-8
l-g	7.485	2216	0	L	C	404.43/101.325	75-demkov Note 10
341	C₆H₄S₄		Tetrathiafulvene, 2-(1,3-Dithiol-2-ylidene)-1,3-dithiol				31366-25-3
l-g	10.92907	4906.131	−2.450	331/355	330/358 C	354.67/0.001	80-dekgov Note 12
342	C₆H₅ClO₂S		Benzene sulfonylchloride				98-09-9
l-g	6.75204	2332.643	−33.149	339/524	337/526 C	524.61/101.325	47-stu
343	C₆H₆S		Benzenethiol				108-98-5
l-g	6.11509	1529.45	−70.102	333/471	323/481 A	442.29/101.325	66-trchc
344	C₆H₈S		2,4-Dimethylthiophene				638-00-6
l-g	6.1188	1450.7	−61.15	323/493	313/503 C	413.85/101.325	79-dykrep
345	C₆H₈S		2,5-Dimethylthiophene				638-02-8
l-g	6.88495	1933.188	−12.087	333/373	332/376 A	340.58/10	71-eonpom
346	C₆H₈S		3,4-Dimethylthiophene				632-15-5
l-g	6.0638	1446.7	−61.25	328/478	318/488 B	418.15/101.325	79-dykrep

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
347	C₆H₈S		2-Ethylthiophene				872-55-9
l-g	7.35188	2248.555	15.607	333/373	332/376 B	338.39/10	71-eonpom
348	C₆H₁₀S		Diallyl sulfide				592-88-1
l-g	5.68007	1215.109	-81.630	263/411	262/413 D	412.33/101.325	47-stu
349	C₆H₁₂CuN₂S₄		Bis(dimethyldithio-carbamate)copper				137-29-1
l-g	13.1839	7698	0	443/473	439/479 D		84-dykrep
350	C₆H₁₂N₂NiS₄		Bis(dimethyldithio-carbamate)nickel				15521-65-0
l-g	11.5979	7307	0	448/478	448/482 D		84-dykrep
351	C₆H₁₂S		Cyclohexanethiol				1569-69-3
l-g	6.00886	1475.141	-63.445	356/476	356/476 A	431.94/101.325	66-osbdou, 81-hossco
352	C₆H₁₂S		cis-2,5-Dimethyl-thiacyclopentane				5161-13-7
l-g	6.02159	1415.59	-63.21	311/444	301/454 B	415.68/101.325	66-trchc
353	C₆H₁₂S		trans-2,5-Dimethylthiophene				5161-14-8
l-g	6.05327	1442.018	-58.846	348/396	345/400 A	390.02/50	52-whibar
354	C₆H₁₂S		3-Ethyltetrahydro-thiophene				62184-67-2
l-g	6.04485	1506.6	-65.15	343/503	333/513 C	438.15/101.325	79-dykrep
355	C₆H₁₂S		2-Ethylthiophane				1551-32-2
l-g	6.04642	1478.9	-64.15	333/488	323/498 C	430.15/101.325	79-dykrep
356	C₆H₁₂S		Methyl cyclopentyl sulfide				7133-36-0
l-g	6.06889	1483.304	-64.316	355/473	355/473 A	429.38/101.325	66-osbdou
357	C₆H₁₂S		2-Methylthia-cyclohexane				5161-16-0
l-g	5.99452	1451	-62.42	317/455	307/465 C	426.19/101.325	53-trchc
358	C₆H₁₂S		3-Methylthia-cyclohexane				5258-50-4
l-g	6.07512	1517.96	-58.17	321/460	311/470 B	431.19/101.325	53-trchc
359	C₆H₁₂S		4-Methylthia-cyclohexane				5161-17-1
l-g	6.00466	1474.81	-62.99	321/461	311/471 B	431.79/101.325	53-trchc
360	C₆H₁₃ClO₂S		1-Hexanesulfonyl chloride				14532-24-2
l-g	8.40875	3170.686	0	273/304	273/304 C	293.40/0.004	63-quinow Note 15
l-g	7.35520	2482.825	-38.885	303/400	303/400 D	376.45/1	63-quinow
l-g	6.49469	1900.228	-84.081	400/507	400/507 D	507.39/101.325	63-quinow
361	C₆H₁₄OS		tert-Butylsulfenyl acid, ethyl ester				30223-17-7
l-g	1.74021	90.067	-226.841	362/370	360/375 B	363.09/12	39-rhemot
362	C₆H₁₄S		2,3-Dimethyl-2-butanethiol				1639-01-6
l-g	6.26170	1513.420	-42.295	285/318	285/318 A	296.20/2	66-osbdou
l-g	5.96084	1352.069	-57.406	318/441	318/441 A	399.26/101.325	66-osbdou
363	C₆H₁₄S		2,2-Dimethyl-3-thiapentane				14290-92-7
l-g	5.97576	1323.24	-60.26	293/420	283/430 B	393.56/101.325	53-trchc
364	C₆H₁₄S		2,4-Dimethyl-3-thiapentane				625-80-9
l-g	5.99608	1327.12	-60.6	293/420	283/430 B	393.16/101.325	53-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
365	C₆H₁₄S		1-Hexanethiol				111-31-9
l-g	6.07154	1454	−68.196	320/454	310/464 B	425.81/101.325	61-trchc
366	C₆H₁₄S		2-Hexanethiol				1679-06-7
l-g	5.8888	1303.31	−76.45	310/440	300/450 B	412.05/101.325	66-trchc
367	C₆H₁₄S		2-Methyl pentane thiol				1633-97-2
l-g	5.97979	1341.670	−60.556	328/439	328/439 A	398.16/101.325	66-osbdou
368	C₆H₁₄S		Methyl pentyl sulfide				1741-83-9
l-g	3.80748	464.344	−185.288	321/349	320/352 C	350.68/10	62-macmay-2
369	C₆H₁₄S		2-Methyl-3-thiahexane				5008-73-1
l-g	6.04754	1383.97	−62.8	303/432	293/442 B	405.2/101.325	53-trchc
370	C₆H₁₄S		4-Methyl-3-thiahexane				5008-72-0
l-g	6.06029	1399.88	−61.55	304/434	294/444 B	406.8/101.325	53-trchc
371	C₆H₁₄S		5-Methyl-3-thiahexane				1613-45-2
l-g	6.04818	1391.97	−63.05	305/401	295/411 B	407.37/101.325	53-trchc
372	C₆H₁₄S		3-Thiaheptane				638-46-0
l-g	6.06592	1421.32	−67.34	314/445	304/455 B	417.39/101.325	53-trchc
373	C₆H₁₄S		4-Thiaheptane				111-47-7
l-g	6.06067	1413.44	−67.42	313/411	303/421 B	415.98/101.325	53-trchc
374	C₆H₁₄S₂		tert-Butyl ethyl disulfide, 2,2-Dimethyl-3,4-dithiahexane				4151-69-3
l-g	6.06716	1552.094	−66.658	377/460	375/463 B	448.81/101.325	52-whibar
375	C₆H₁₄S₂		Diisopropyl disulfide, 2,5-Dimethyl-3,4-dithiahexane				4253-89-8
l-g	6.03992	1528.532	−71.454	379/446	376/451 A	450.35/101.325	52-whibar
376	C₆H₁₄S₂		4,5-Dithiaoctane				629-19-6
l-g	6.10019	1603.79	−77.302	354/499	340/514 A	469/101.325	64-trchc
377	C₆H₁₄S₂		1,6-Hexanethiol				1191-43-1
l-g	6.28019	1834.535	−81.083	379/510	377/512 C	510.27/101.325	43-halrei Note 13
378	C₆H₁₄S₂		Isopropyl propyl disulfide 4-Methyl-3,4-dithiaheptane				33672-51-4
l-g	6.10464	1585.079	−72.362	387/431	385/435 A	432.14/50	52-whibar
379	C₆H₁₄S₃		2,5,8-Trithianonane				37460-04-1
l-g	4.01747	487.380	−291.046	391/533	390/535 D	533.31/101.325	46-maemog
380	C₆H₁₅NS		<i>N,N</i>-Dimethyl-<i>S</i>-tert-butylthio-hydroxylamine				900000-21-7
l-g	5.54214	1480	0	328/334	328/334 D		79-dykrep
381	C₆H₁₅O₂PS₃		<i>O,O</i>-Dimethyl <i>S</i>-[2-(ethylthio)ethyl]-dithiophosphate				640-15-3
l-g	9.2361	3980.8	−1.21	283/394	273/404 C		79-dykrep
382	C₆H₁₅O₃PS		<i>O,O,O</i>-Triethyl thiophosphate				126-68-1
l-g	13.1259	4570	0	305/335	301/341 D		79-dykrep
383	C₆H₁₅O₃PS		<i>O,O,S</i>-Triethyl thiophosphate				1186-09-0
l-g	10.5879	3985	0	312/352	312/352 D		79-dykrep

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	A, (n)	B [K], (E)	C [K], (F)				
384	C₆H₁₅O₃PS₂		O,O-Dimethyl O-[2-(ethylthio)ethyl]-thiophosphate				867-27-6
l-g	6.66585	2428.6	-56.73	283/379	273/389 C		79-dykrep
385	C₆H₁₅O₃PS₂		O,O-Dimethyl S-[2-(ethylthio)ethyl]-thiophosphate				919-86-8
l-g	8.48854	3410	-26.72	283/407	273/417 C		79-dykrep
386	C₇H₅NS		Phenyl isothiocyanate				103-72-0
l-g	-1.5831	106.418	-419.741	283/353	273/363 D		73-czas
387	C₇H₈O₂S		2-Methyl-6-(methylthio)-4H-pyran-4-one				52911-99-6
l-g	7.52478	3274.126	0	388/433	386/436 C	418.38/0.5	74-beamue Note 12
388	C₇H₈O₂S		6-Methyl-4-methoxy-2H-pyran-2-thion				52911-98-5
l-g	12.80258	5685.865	0	401/415	400/416 C	411.94/0.1	74-beamue Note 12
389	C₇H₈S		2-Methylbenzenethiol				137-06-4
l-g	6.1908	1675.3	-67.05	351/498	341/508 B	467.35/101.325	66-trchc
390	C₇H₈S		3-Methylbenzenethiol				108-40-7
l-g	6.167	1651.7	-71.35	353/498	343/508 B	468.25/101.325	66-trchc
391	C₇H₈S		4-Methylbenzenethiol				106-45-6
l-g	6.0955	1619.3	-72.15	351/499	341/509 B	468.05/101.325	66-trchc
392	C₇H₈S		Methyl phenyl sulfide				100-68-5
l-g	6.13543	1603.696	-79.121	390/475	388/478 A	467.45/101.325	66-osbdou
393	C₇H₈S		Phenyl methanethiol				100-53-8
l-g	6.17619	1658.853	-74.569	394/436	391/439 A	395.05/10	80-osbsco
394	C₇H₈S₃		4,5,6,7-Tetrahydro-1,3-benzodithiol-2-thione				698-42-0
l-g	2.25436	704.880	-218.251	341/352	339/355 B	352.40/0.001	67-geisch
395	C₇H₉F₉N₂OSSi		1,1,1-Trifluoro-N-[2,2,2-trifluoro-1-(trifluoro)]methane-sulfonamide				62609-67-0
l-g	6.825	2058	0	293/353	293/353 D		84-dykrep
396	C₇H₁₀S		2-Isopropylthiophene				4095-22-1
l-g	6.05719	1453.275	-66.585	352/468	352/468 A	425.29/101.325	80-osbsco
397	C₇H₁₀S		2-Propylthiophene				1551-27-5
l-g	7.86817	2495.482	5.101	241/301	240/305 C	276.30/0.1	81-edwpra
398	C₇H₁₂Cl₂S		(2-Chloroethyl)(2-Chlorocyclopentyl)-sulfide				900000-14-8
l-g	8.85376	3444.6	0	273/333	270/333 C	290.59/0.001	48-redcha-1 Note 10
399	C₇H₁₄S		Allyl tert-butyl sulfide				37850-75-2
l-g	3.32348	331.164	-202.876	319/345	318/350 C	345.41/10	62-macmay-3
400	C₇H₁₆S		1-Heptanthiol				1639-09-4
l-g	7.39181	2288.677	-17.139	273/345	273/345 B	326.762/1	65-douosb
401	C₇H₁₆S		2-Heptanthiol				628-00-2
l-g	6.08738	1500.306	-69.126	343/437	341/439 B	436.70/101.325	32-ellrei
l-g	5.96667	1449.576	-84.074	345/471	345/471 B	450.04/101.325	65-douosb, 32-ellrei

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
402	C₇H₁₆S₂		1,7-Heptanedithiol				62224-02-6
l-g	6.27966	1856.542	−90.983	393/525	391/527 C	525.37/101.325	43-halrei Note 13
403	C₇H₁₇O₂PS₃		O,O-Diethyl-S-[(ethylthio)methyl]-dithiophosphate				298-02-2
l-g	8.6498	3697	0	283/387	273/397 D		79-dykrep
404	C₈F₁₈N₂OS		Oxobis(trifluoro-methyl) bis[[2,2,2-trifluoro-1-(trifluoro-methyl)ethylidene]-amino]sulfur				900002-56-4
l-g	6.645	2069	0	273/333	273/333 D		84-dykrep
405	C₈F₁₈O₃S		Sulfuric acid, bis[2,2,2-trifluoro-1,1-bis(trifluoromethyl)-ethyl] ester				53517-90-1
l-g	6.875	2018	0	L	C	414.43/101.325	75-demkov Note 10
406	C₈F₁₈S₂		Bis(nonafluorobutyl) disulfide				42060-69-5
l-g	7.425	2345	0	L	C	432.71/101.325	73-abeshr-1 Note 10
407	C₈H₅F₃O₂S		4,4,4-Trifluoro-1-(2-thienyl)butane-1,3-dione				326-91-0
cr-g	12.7805	4536.6	0	279/290	275/296 D		92-ribmon
408	C₈H₆F₁₂O₃S		Bis[1,1-bis(trifluoro-methyl)ethyl] sulfit				42060-69-5
l-g	7.465	2448	0	L	C	448.41/101.325	75-demkov Note 10, 16
409	C₈H₆S		Benzo[b]thiophene				95-15-8
cr-g	9.14182	3192.256	0	272/303	272/303 D	286.51/0.01	81-edwpra Note 23
l-g	7.23358	2404.692	−24.174	306/349	306/349 C	316.23/0.1	81-edwpra
l-g	6.21672	1789.455	−68.791	349/424	349/424 C	411.81/10	81-edwpra, 80-wiekob
l-g	5.91529	1581.720	−90.045	424/498	424/498 B	494.62/101.325	80-wiekob
l-g	6.67072	2258.126	−10.560	498/631	498/631 B	579.11/500	80-wiekob
410	C₈H₇NS		Benzyl isothiocyanate				622-78-6
l-g	7.87754	2944.06	−14.81	352/516	342/526 C		79-dykrep
411	C₈H₇NS		2-Methylbenzothiazol				120-75-2
l-g	7.93713	2831.45	−21.45	343/499	333/509 C		79-dykrep
412	C₈H₉ClNO₅PS		O,O-Dimethyl-O-(3-chloro-4-nitrophenyl)thio-phosphate, chlorthion				500-28-7
l-g	10.2115	4807.8	0	283/409	282/409 D		79-dykrep
413	C₈H₁₀O₂S		Benzyl methyl sulfone				3112-90-1
l-g	7.585	3392	0	455/529	453/530 C	515.11/10	61-busivi Note 2
414	C₈H₁₀S		Benzyl methyl sulfide				766-92-7
l-g	3.22829	475.409	−204.456	337/367	335/370 C	351.72/1	62-macmay-1
415	C₈H₁₀S		Ethyl phenyl sulfide				622-38-8
l-g	6.89593	2145.464	−35.819	338/367	335/370 C	346.94/1	62-macmay-1
416	C₈H₁₂O₄S		Thiodiacetic acid, diethyl ester				925-47-3
l-g	4.75470	936.929	−207.807	385/448	383/450 C	404.86/1	53-bac

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
417 l-g	C₈H₁₄Cl₂S 7.8709	3265.5	(2-Chloroethyl)(2-chlorocyclohexyl) sulfide 0	273/333	270/335 D	300.39/0.001	16660-53-0 48-redcha-1 Note 2
418 l-g	C₈H₁₄O₆S 5.92203	1657.851	Sulfonyldiacetic acid, diethyl ester −174.776	422/494	420/497 C	454.72/1	29771-87-7 53-bac
419 cr-g	C₈H₁₅N₅S 11.2259	5302	2-Methylthio-3-methylamino-6-isopropylamino-1,3,5-triazine 0	323/403	323/403 D		900000-27-3 79-dykrep
420 cr-g	C₈H₁₅N₅S 11.0389	5293	2-Methylthio-4,6-bis(ethylamino)-1,3,5-triazine 0	323/403	323/403 D		1014-70-6 79-dykrep
421 l-g	C₈H₁₈O₄S₂ 8.51249	3646.525	2,2-Bis(ethylsulfonyl)-butane −18.502	443/499	441/504 B	503.90/10	76-20-0 43-cra Note 22
422 l-g	C₈H₁₈S 9.71191	4614.267	Dibutyl sulfide 143.045	283/390	283/390 D	368.92/5	544-40-1 35-baubur, 52-whibar
423 l-g	C₈H₁₈S 3.44621	444.611	Diisobutyl sulfide −192.255	326/346	324/350 C	333.62/2	592-65-4 62-macmay-2
424 l-g	C₈H₁₈S 6.31304	1621.235	Di-tert-butyl sulfide −46.965	264/329	264/329 B	316.63/2	107-47-1 80-osbsco
424 l-g	C₈H₁₈S 5.95842	1427.375	Di-tert-butyl sulfide −64.364	329/470	329/470 A	425.48/101.325	107-47-1 80-osbsco
424 l-g	C₈H₁₈S 6.11177	1574.307	Di-tert-butyl sulfide −78.644	390/470	390/470 A	462.06/101.325	107-47-1 52-whibar
425 l-g	C₈H₁₈S 6.10910	1597.725	1-Octanethiol −82.819	373/472	371/475 B	472.19/101.325	111-88-6 32-ellrei
426 l-g	C₈H₁₈S 5.9551	1468.78	2-Octanethiol −87.65	347/489	337/499 B	459.55/101.325	3001-66-9 66-trchc
427 l-g	C₈H₁₈S 5.90822	1437.885	(+,-)-2-Octanethiol −91.050	362/460	360/463 B	459.50/101.325	10435-81-1 32-ellrei
428 l-g	C₈H₁₈S₂ 1.75016	456.528	Dibutyl disulfide −132.423	283/359	281/362 D	298.42/0.1	629-45-8 35-baubur
429 l-g	C₈H₁₈S₂ 6.22706	1881.086	1,8-Octanedithiol −96.864	405/542	404/545 C	542.48/101.325	1191-62-4 43-halrei Note 13
430 l-g	C₈H₁₉O₂PS₃ 9.73892	4420.5	<i>O,O</i>-Diethyl <i>O</i>-[2-(ethylthio)ethyl]-dithiophosphate 14.9	283/401	283/401 C		298-04-4 79-dykrep
431 l-g	C₈H₁₉O₃PS₂ 9.54584	4110.9	<i>O,O</i>-Diethyl <i>O</i>-[2-(ethylthio)ethyl]-thiophosphate 0	283/411	273/421 C		298-03-3 79-dykrep
432 l-g	C₈H₁₉O₃PS₂ 9.1587	3991	<i>O,O</i>-Diethyl <i>S</i>-[2-(ethylthio)ethyl]-thiophosphate 0	283/401	283/401 D		126-75-0 79-dykrep
433 l-g	C₈H₂₀O₅P₂S₂ 9.71747	4211.7	Tetra-<i>O</i>-ethyl dithiopyrophosphate 0	293/409	293/409 C		3689-24-5 79-dykrep
434 l-g	C₉F₁₇NO₃S 5.95921	1342.96	Heptafluoro-1-octanesulfonyl-isocyanate −129.793	324/470	314/480 D		34834-20-3 84-dykrep

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
435	C₉H₁₁ClS		(2-Chloroethyl) benzyl sulfide				4332-51-8
l-g	6.50156	2733.4	0	273/333	271/335 C	321.52/0.01	48-redcha-1 Note 2
436	C₉H₁₂S		Ethyl benzyl sulfide				6263-62-3
l-g	4.27920	844.404	-165.565	346/370	354/373 C	362.89/1	62-macmay-2
437	C₉H₁₂S		2-Ethylthioanisole				20760-06-9
l-g	5.89054	1643.86	-78	501.15/501.15	481/511 C	501.15/101.325	87-trcsp
438	C₉H₁₂S		Ethyl <i>m</i>-tolyl sulfide				34786-24-8
l-g	5.87744	1603.47	-78	492.15/492.15	472/502 C	492.15/101.325	87-trcsp
439	C₉H₁₂S		Ethyl <i>p</i>-tolyl sulfide				622-63-9
l-g	5.87892	1607.96	-78	493.15/493.15	473/503 C	493.15/101.325	87-trcsp
440	C₉H₁₂S		(Isopropylthio)-benzene				3019-20-3
l-g	4.14061	860.68	-78	481.15/481.15	461/491 C	481.15/101.325	87-trcsp
441	C₉H₁₂S		(Propylthio)benzene				874-79-3
l-g	5.94223	1634.24	-78	493.15/493.15	473/503 C	493.15/101.325	87-trcsp
442	C₉H₁₅NOS		Carbamothioic acid(1-methylethyl)-2-propynyl, <i>S</i>-ethyl ester				59300-33-3
l-g	10.0803	3801.81	0	298/313	296/317 D		84-dykrep
443	C₉H₁₆OS		Tetrahydro-2,2,6,6-tetramethyl-4H-thiopyran-4-one				22842-41-7
l-g	5.615	1813.8	0	L	D	333.49/1.5	72-geisaw Note 18
444	C₉H₁₇NO₃S		<i>N</i>-Acetyl-(+)-methionine ethyl ester				33280-93-2
l-g	9.2912	4264	0	432/519	432/519 D		79-dykrep
445	C₉H₁₇N₅S		2-Methylthio-4-ethylamino-6-isopropylamino-1,3,5-triazine				834-12-8
cr-g	11.036	5270	0	323/403	323/403 D		79-dykrep
446	C₉H₂₀S		1-Nonanethiol				1455-21-6
l-g	5.97060	1561.145	-99.700	391/493	389/495 B	493.44/101.325	32-ellrei
447	C₉H₂₀S		2-Nonanethiol				13281-11-3
l-g	6.13121	1646.768	-82.121	380/481	378/483 B	481.29/101.325	32-ellrei
448	C₉H₂₀S₂		1,9-Nonanedithiol				3489-28-9
l-g	6.37248	2016.964	-95.294	418/557	416.559 C	557.18/101.325	43-halrei
449	C₉H₂₁BS₃		Tripropyl trithioborate				998-38-9
l-g	9.445	3980	0	423/483	423/483 D		79-dykrep
450	C₉H₂₂ClN₂PS		<i>n,n'</i>-Bis(1-methylpropyl)diamide(chloromethyl)-thiophosphonate				58023-20-4
l-g	6.5986	3490	0	333/368	333/368 D		84-dykrep
451	C₁₀H₁₃Cl₃NOPS		<i>p</i>-Chloromethyl-<i>N</i>-(1-methylethyl)amido-thiophosphobic acid				18361-88-1
l-g	10.6648	4864	0	323/368	323/368 D		84-dykrep
452	C₁₀H₁₄NO₅PS		<i>O,O</i>-Diethyl <i>O</i>-(4-nitrophenyl)-thiophosphate				56-38-2
l-g	8.91416	3927	-31.55	293/433	283/443 C		79-dykrep
453	C₁₀H₁₄NO₅PS		<i>O,O'</i>-Diethyl <i>S</i>-(4-nitrophenyl)-thiophosphate				3270-86-8
l-g	7.4949	3966	0	313/366	313/366 D		84-dykrep

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
454	C₁₀H₁₄NO₅PS		O,S'-Diethyl O'-(4-nitrophenyl)-thiophosphate				597-88-6
l-g	7.0499	3924	0	332/364	328/370 D		84-dykrep
455	C₁₀H₁₅O₃PS₂		O,O-Dimethyl O-[3-methyl-4-(methylthio)phenyl]-thiophosphate				55-38-9
l-g	8.0532	3947.6	0	293/373	283/383 C		79-dykrep
456	C₁₀H₁₇NOS		N-Butyl-N-(2-propynyl) carbamothioic acid, S-ethyl ester				59300-35-5
cr-g	11.2143	4290.52	0	298/313	296/311 D		84-dykrep
457	C₁₀H₁₇NOS		N,N-Dipropyl carbomothioic acid, S-(2-propynyl)ester				59300-36-6
cr-g	12.7886	4828.19	0	298/313	296/311 D		84-dykrep
458	C₁₀H₁₇NOS		N-Isopropyl-N-(2-propynyl) carbamothioic acid, S-ethyl ester				59300-34-4
cr-g	10.1303	3865.68	0	298/313	296/311 D		84-dykrep
459	C₁₀H₁₉N₅S		2-Methylthio-4,6-bis(isopropylamino)-1,3,5-triazine				7287-19-6
cr-g	10.966	5222	0	323/403	323/403 D		79-dykrep
460	C₁₀H₁₉O₆PS₂		O,O-Dimethyl S-[1,2-bis(ethoxycarbonyl)-ethyl]dithiophosphate				121-75-5
l-g	7.8813	3716.6	0	283/419	273/429 C		79-dykrep
461	C₁₀H₁₉O₇PS		O,O-Dimethyl S-[1,2-bis(ethoxycarbonyl)-ethyl]thiophosphate				900000-46-6
l-g	10.7431	4880	0	283/406	273/416 C		79-dykrep
462	C₁₀H₂₀CdN₂S₄		Bis(diethyldithio-carbamate)cadmium				14239-68-0
cr-g	11.8179	6960	0	433/469	433/469 D		84-dykrep
463	C₁₀H₂₀CoN₂S₄		Bis(diethylthio-carbamate)cobalt				15974-34-2
cr-g	15.6029	9273	0	458/482	458/482 D		84-dykrep
464	C₁₀H₂₀CuN₂S₄		Bis(diethyldithio-carbamate)copper				13681-87-3
cr-g	14.3529	7789	0	420/465	410/475 D		84-dykrep
465	C₁₀H₂₀HgN₂S₄		Bis(diethylthio-carbamate)mercury				14239-51-1
cr-g	1.9909	2488	0	378/403	378/403 D		84-dykrep
466	C₁₀H₂₀N₂NiS₄		Bis(diethyldithio-carbamate)nickel				14267-17-5
cr-g	14.1029	7940	0	440/478	440/478 D		84-dykrep
467	C₁₀H₂₀N₂PbS₄		Bis(diethyldithio-carbamate)lead				17549-30-3
cr-g	11.5549	6785	0	444/482	444/482 D		84-dykrep
468	C₁₀H₂₀N₂S₄Zn		Bis(diethyldithio-carbamate)zinc				14324-55-1
cr-g	14.3899	7477	0	401/444	398/450 D		84-dykrep
469	C₁₀H₂₂S		1-Decanethiol				143-10-2
l-g	6.123	1713.6	-96.15	390/544	380/554 C	512.35/101.325	61-trchc
470	C₁₀H₂₂S		2-Decanethiol				13402-60-3
l-g	5.8949	1544.	-104.45	380/534	375/542 C	501.45/101.325	66-trchc
471	C₁₀H₂₂S		Dipentyl sulfide				872-10-6
l-g	2.70351	320.709	-247.682	346/365	350/368 D	366.31/1	62-macmay-2
472	C₁₀H₂₂S		Isopentyl sulfide				544-02-5
l-g	9.06893	3478.727	26.606	340/365	338/367 D	356.98/1	62-macmay-2

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
473	C₁₀H₂₂S₂		1,10-Decanedithiol				1191-67-9
l-g	5.72388	1506.953	-164.989	434/570	431/572 C	570.28/101.325	43-halrei Note 13
474	C₁₀H₂₂S₂		6,7-Dithiadodecane				112-51-6
l-g	6.083	1756.	-106.35	410/571	400/581 C	536.95/101.325	64-trchc
475	C₁₀H₂₄NO₃PS		O,O-Diethyl S-[2-(diethylamino)ethyl]-thiophosphate				78-53-5
l-g	11.5199	4934.9	0	358/407	348/417 C		79-dykrep
476	C₁₁H₂₄S		1-Undecanethiol				5332-52-5
l-g	6.1371	1767.4	-102.75	405/563	395/573 C	530.55/101.325	61-trchc
477	C₁₁H₂₄S₂		1,11-Undecanedithiol				63476-06-2
l-g	5.75217	1539.504	-171.064	445/582	443/584 C	581.99/101.325	43-halrei Note 13
478	C₁₁H₂₆NO₂PS		O-Ethyl-S-[2-(N,N-diisopropylamino)ethyl]methylthio-phosphona				50782-69-9
l-g	13.166	5275.13	0	280/315	280/315 D		84-dykrep
479	C₁₂H₈Cl₂O₂S		4,4'-Dichlorodiphenyl sulfone				80-07-9
l-g	7.32904	4026.924	65.183	463/573	461/575 D	571.08/10	79-mizdan
480	C₁₂H₈S		Dibenzothiophene				132-65-0
cr-g	11.43785	4811.855	0	303/366	303/366 D	340.38/0.002	81-edwpra, 85-haneck Note 24
l-g	6.21697	2337.703	-67.544	373/424	373/424 D	391.46/0.1	81-edwpra, 82-sivkob
l-g	7.56804	3400.113	5.890	424/608	424/608 B	605.39/101.325	82-sivkob
481	C₁₂H₈S₂		Thianthrene				92-85-3
cr-g	10.37546	4458.949	-27.837	358/427	358/427 D	388.14/ 0.01	81-edwpra Note 25
l-g	4.63980	1356.062	-175.867	429/460	429/460 C	438.53/0.3	81-edwpra, 83-sivkob
l-g	8.21095	4144.660	36.736	460/593	460/593 B	515.00/5	83-sivkob
482	C₁₂H₉NS		Phenothiazine				92-84-2
cr-g	8.39	4490	0	336/395	326/405 D		79-dykrep
483	C₁₂H₁₀S		Diphenyl sulfide				139-66-2
l-g	6.81917	2529.144	-40.442	369/566	368/570 C	565.87/101.325	47-stu
484	C₁₂H₁₀S₂		Diphenyl disulfide				882-33-7
l-g	8.74541	4015.588	12.723	405/583	403/585 C	583.09/101.325	47-stu
485	C₁₂H₂₁N₂O₃PS		O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl)thio-phosphate				333-41-5
l-g	10.6266	4566	0	293/398	293/398 D		79-dykrep
486	C₁₂H₂₂O₄S		Thiodiglycolic acid, dibutyl ester				4121-12-4
l-g	8.505	3955	0	298/383	295/385 D	376.49/0.01	62-hoflan Note 2
487	C₁₂H₂₆S		1-Dodecanethiol				112-55-0
l-g	6.1493	1817.8	-109.05	420/581	410/591 C	547.75/101.325	61-trchc

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
488	C₁₂H₂₆S₂		7,8-Dithiatetradecane				10496-15-8
l-g	6.0881	1824.9	−119.65	435/601	425/611 B	566.65/101.325	64-trchc
489	C₁₂H₂₆S₂		1,12-Dodecanedithiol				33528-63-1
l-g	5.81436	1588.082	−175.519	455/592	453/594 C	592.49/101.325	43-halrei Note 13
490	C₁₃H₂₈S		1-Tridecanethiol				19484-26-5
l-g	6.1619	1864.9	−115.25	433/598	428/605 C	563.95/101.325	61-trchc
491	C₁₃H₃₆CuN₂S₄		Bis(diisobutyldithio-carbamate)copper				51205-55-1
l-g	8.6429	5317	0	425/445	425/445 D		84-dykrep
492	C₁₄H₂₈CuN₂S₄		Bis(diisopropyldithio-carbamate)copper				14354-08-6
cr-g	11.4039	6767	0	440/465	440/465 D		84-dykrep
493	C₁₄H₂₈CuN₂S₄		Bis(dipropyldithio-carbamate)copper				14354-07-5
l-g	10.6069	6187	0	422/453	419/454 D		84-dykrep
494	C₁₄H₂₈N₂NiS₄		Bis(diisopropyldithio-carbamate)nickel				15694-55-0
cr-g	12.2279	7492	0	442/477	442/477 D		84-dykrep
495	C₁₄H₂₈N₂NiS₄		Bis(dipropyldithio-carbamate)nickel complex				14516-30-4
l-g	11.2159	6586	0	433/462	433/462 D		84-dykrep
496	C₁₄H₃₀S		1-Tetradecanethiol				2079-95-0
l-g	6.1734	1909.2	−121.25	446/614	438/622 C	579.35/101.325	61-trchc
497	C₁₄H₃₀S₂		8,9-Dithiahexadecane				10496-16-9
l-g	6.0851	1878.6	−133.35	458/630	448/640 B	593.85/101.325	64-trchc
498	C₁₅H₁₄Cl₃O₂PS		O,O'-Bis(2-chloro-4-methylphenyl)-(chloromethyl)thio-phosphonate				57875-65-7
l-g	9.6606	4867	0	343/365	343/365 D		84-dykrep
499	C₁₅H₃₂S		1-Pentadecanethiol				25276-70-4
l-g	6.1861	1951	−127.15	459/629	455/634 C	593.85/101.325	61-trchc
500	C₁₆H₁₂S₂		3,6-Diphenyl-1,2-dithiine				16212-85-4
cr-g	20.645	9113	0	<415	<415 D	385.41/0.001	73-geisaw
501	C₁₆H₃₄S		1-Hexadecanethiol				2917-26-2
l-g	6.2	1990.	−133.15	470/643	463/651 D	607.15/101.325	61-trchc
502	C₁₆H₃₄S₂		9,10-Dithiaoctadecane				822-27-5
l-g	6.0828	1935.6	−144.15	479/656	469/666 B	619.15/101.325	64-trchc
503	C₁₇H₁₆OS		Tetrahydro-2,6-diphenyl-4H-thiopyran-4-one				37014-01-0
cr-g	15.175	7104.7	0	<386.7	<386.7 D	376.43/0.0002	72-geisaw Note 18
504	C₁₇H₃₆S		1-Heptadecanethiol				53193-22-9
l-g	6.206	2027.	−138.15	481/657	480/660 C	621.15/101.325	61-trchc
505	C₁₈H₁₀Cl₂O₂S₂		MDW, C.I. Vat Violet 2, Mikethren Red Violet RH				5462-29-3
cr-g	6.065	4856.9	0	519/634	519/634 C	565.55/0.003	86-nisand Note 10
506	C₁₈H₃₆CuN₂S₄		Bis(dibutyldithio-carbamate)copper				13927-71-4
l-g	10.3949	6360	0	423/468	423/468 D		84-dykrep

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
507	C₁₈H₃₆N₂NiS₄		Bis(dibutyldithio-carbamate)nickel				13927-77-0
l-g	11.8599	7134	0	438/562	438/562 D		84-dykrep
508	C₁₈H₃₆N₂NiS₄		Bis(diisobutyldithio-carbamate)nickel				28371-07-5
cr-g	14.3429	7945	0	423/443	419/449 D		84-dykrep
l-g	11.0659	6476	0	453/473	449/479 D		84-dykrep
509	C₁₈H₃₈S		1-Octadecanethiol				2885-00-9
l-g	6.221	2061.	-144.15	492/670	484/678 C	633.15/101.325	61-trchc
510	C₁₈H₃₈S₂		10,11-Dithiaicosane				4485-77-2
l-g	6.0854	1981.5	-156.15	499/680	491/690 C	642.15/101.325	64-trchc
511	C₁₉H₄₀S		1-Nonadecanethiol				53193-23-0
l-g	6.23	2094.	-149.15	502/682	500/686 C	645.15/101.325	61-trchc
512	C₂₀H₄₂S		1-Icosanethiol				13373-97-2
l-g	6.239	2125.	-154.15	512/694	506/700 C	656.15/101.325	61-trchc
513	C₂₀H₄₂S₂		11,12-Dithiadocosane				10496-18-1
l-g	6.0969	2019.	-170.05	518/702	511/710 C	663.15/101.325	64-trchc
514	C₂₁H₄₄S		1-Henicosanethiol				66326-17-8
l-g	6.5025	3146	-271.15	641/971	641/971 D		72-trchc
515	C₂₂H₁₇NO₃S		2-(3-Methoxypropyl)-1H-xanthenol[2,1,9-def]isoquinoline-1,3(2H)-dione				36245-88-2
cr-g	9.525	5840	0	605/647	595/647 D		84-dykrep
cr-g	12.725	7880	0	647/685	647/695 D		84-dykrep
516	C₂₂H₄₄CuN₂S₄		Bis[bis(3-methylbutyl)dithio-carbamate]copper				69090-74-0
cr-g	13.2009	7785	0	427/458	427/458 D		84-dykrep
517	C₂₂H₄₄N₂NiS₄		Bis[bis(3-methylbutyl)dithio-carbamate]nickel				55935-69-8
l-g	14.9709	8590	0	429/468	429/468 D		84-dykrep
518	C₂₂H₄₆S		1-Docosanethiol				7773-83-3
l-g	6.7416	2510.1	-150.05	437/680	437/680 C		72-trchc
519	C₂₃H₄₈S		1-Tricosanethiol				66375-01-7
l-g	6.7427	2541.7	-153.75	444/690	444/690 D		72-trchc
520	C₂₄H₅₀S		1-Tetracosanethiol				16331-24-1
l-g	6.7443	2572.3	-157.25	451/700	448/707 C		72-trchc
521	C₂₅H₅₂S		1-Pentacosanethiol				66359-74-8
l-g	6.7462	2601.8	-160.65	458/709	458/709 D		72-trchc
522	C₂₆H₅₄S		1-Hexacosanethiol				16331-25-2
l-g	6.7483	2630.7	-163.95	465/718	460/725 C		72-trchc
523	C₂₇H₅₆S		1-Heptacosanethiol				66291-85-8
l-g	6.7506	2657.7	-167.15	471/727	467/732 C		72-trchc
524	C₂₈H₅₈S		1-Octacosanethiol				16331-26-3
l-g	6.7529	2684.2	-170.25	477/736	470/741 C		72-trchc
525	C₂₉H₆₀S		1-Nonacosanethiol				66213-92-1
l-g	6.7553	2709.8	-173.25	483/744	483/744 D		72-trchc

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
526	C₃₀H₆₂S		1-Triacontanethiol				66213-99-8
l-g	6.7575	2734.4	-176.15	488/751	488/751 D		72-trchc
527	C₃₁H₆₄S		1-Hentriacontanethiol				5340-24-9
l-g	6.7597	2758.1	-179.05	494/759	494/759 D		72-trchc
528	C₃₂H₆₆S		1-Dotriacontanethiol				66256-05-1
l-g	6.7617	2781	-181.75	499/766	499/766 D		72-trchc
529	C₃₃H₆₈S		1-Tritriacontanethiol				66214-20-8
l-g	6.7636	2803	-184.35	504/773	504/773 D		72-trchc
530	C₃₄H₇₀S		1-Tetratriacontanethiol				66214-28-6
l-g	6.7653	2824.2	-186.95	509/780	502/788 C		72-trchc
531	C₃₅H₇₂S		1-Pentatriacontanethiol				66576-86-1
l-g	6.7668	2844.6	-189.45	514/787	514/787 D		72-trchc
532	C₃₆H₇₄S		1-Hexatriacontanethiol				66577-23-9
l-g	6.768	2864.2	-191.95	518/793	518/793 D		72-trchc
533	C₃₇H₇₆S		1-Heptatriacontanethiol				66577-07-9
l-g	6.7691	2883.1	-194.25	523/799	523/799 D		72-trchc
534	C₃₈H₇₈S		1-Octatriacontanethiol				66576-93-0
l-g	6.7699	2901.2	-196.55	527/805	527/805 D		72-trchc
535	C₃₉H₈₀S		1-Nonatriacontanethiol				66576-60-1
l-g	6.7704	2918.6	-198.75	531/811	531/811 D		72-trchc
536	C₄₀H₈₂S		1-Tetracontanethiol				66576-49-6
l-g	6.7707	2935.3	-200.95	535/817	535/817 D		72-trchc
537	C₄₁H₈₄S		1-Hentetracontanethiol				66576-39-4
l-g	6.7707	2951.4	-203.05	539/822	539/822 D		72-trchc
538	C₄₂H₈₆S		1-Dotetracontanethiol				66576-41-8
l-g	6.7705	2966.8	-205.15	543/828	543/828 D		72-trchc
539	C₄₃H₈₈S		1-Tritetracontanethiol				66576-78-1
l-g	6.7701	2981.6	-207.15	547/833	547/833 D		72-trchc
540	C₄₄H₉₀S		1-Tetratetracontanethiol				66576-83-8
l-g	6.7694	2995.8	-209.05	551/838	551/838 D		72-trchc
541	C₄₅H₉₂S		1-Pentatetracontanethiol				66576-65-6
l-g	6.7684	3009.4	-210.95	554/843	554/843 D		72-trchc
542	C₄₆H₉₄S		1-Hexatetracontanethiol				66564-11-2
l-g	6.7672	3022.4	-212.75	557/847	557/847 D		72-trchc
543	C₄₇H₉₆S		1-Heptatetracontanethiol				66576-03-2
l-g	6.7658	3034.8	-214.55	561/852	561/852 D		72-trchc
544	C₄₈H₉₈S		1-Octatetracontanethiol				66576-08-7
l-g	6.7642	3046.8	-216.35	564/856	564/856 D		72-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
545	C₄₉H₁₀₀S		1-Nonatetracontanethiol				66576-13-4
l-g	6.7623	3058.2	-218.05	567/861	567/861 D		72-trchc
546	C₅₀H₁₀₂S		1-Pentacontanethiol				66576-17-8
l-g	6.7605	3069.1	-219.65	570/865	570/865 D		72-trchc
547	C₅₁H₁₀₄S		1-Henpentacontanethiol				66575-82-4
l-g	6.7579	3079.5	-221.35	573/869	573/869 D		72-trchc
548	C₅₂H₁₀₆S		1-Dopentacontanethiol				66575-88-0
l-g	6.7554	3086.4	-222.85	575/873	575/873 D		72-trchc
549	C₅₃H₁₀₈S		1-Tripentacontanethiol				66575-91-5
l-g	6.7526	3099	-224.45	578/877	578/877 D		72-trchc
550	C₅₄H₁₁₀S		1-Tetrapenta-contanethiol				66575-96-0
l-g	6.7497	3108	-225.95	581/881	581/881 D		72-trchc
551	C₅₅H₁₁₂S		1-Pentapenta-contanethiol				66575-61-9
l-g	6.7466	3116.7	-227.35	584/885	584/885 D		72-trchc
552	C₅₆H₁₁₄S		1-Hexapenta-contanethiol				66575-66-4
l-g	6.7434	3124.9	-228.85	586/888	586/888 D		72-trchc
553	C₅₇H₁₁₆S		1-Heptapenta-contanethiol				66575-71-1
l-g	6.7399	3132.7	-230.25	589/892	589/892 D		72-trchc
554	C₅₈H₁₁₈S		1-Octapentacontanethiol				66575-77-7
l-g	6.7363	3140.2	-231.55	591/895	591/895 D		72-trchc
555	C₅₉H₁₂₀S		1-Nonapenta-contanethiol				66575-50-6
l-g	6.7325	3147.3	-232.85	593/899	593/899 D		72-trchc
556	C₆₀H₁₂₂S		1-Hexacontanethiol				66575-55-1
l-g	6.7286	3154	-234.15	595/902	595/902 D		72-trchc
557	C₆₁H₁₂₄S		1-Henhexacontanethiol				66563-54-0
l-g	6.7245	3160.4	-235.15	597/905	597/905 D		72-trchc
558	C₆₂H₁₂₆S		1-Doehexacontanethiol				66563-59-5
l-g	6.7203	3166.4	-236.15	599/908	599/908 D		72-trchc
559	C₆₃H₁₂₈S		1-Trihexacontanethiol				66563-64-2
l-g	6.716	3172.2	-238.15	602/911	602/911 D		72-trchc
560	C₆₄H₁₃₀S		1-Tetrahexacontanethiol				66563-38-0
l-g	6.7115	3177.6	-239.15	604/914	604/914 D		72-trchc
561	C₆₅H₁₃₂S		1-Pentahexacontanethiol				66563-43-7
l-g	6.7069	3182.7	-240.15	606/917	606/917 D		72-trchc
562	C₆₆H₁₃₄S		1-Hexahexacontanethiol				66563-48-2
l-g	6.7022	3187.5	-241.15	607/920	607/920 D		72-trchc
563	C₆₇H₁₃₆S		1-Heptahexa-contanethiol				66563-76-6
l-g	6.6974	3192.1	-242.15	609/922	609/922 D		72-trchc

Phase	Antoine constants			T-range [K]	Range [K], Rating	T _b [K]/P _b [kPa]	Ref. Note
	A, (n)	B [K], (E)	C [K], (F)				
564	C₆₈H₁₃₈S		1-Octahexacontanethiol				66563-81-3
l-g	6.6925	3196.4	-243.15	611/925	611/925 D		72-trchc
565	C₆₉H₁₄₀S		1-Nonaheptacontanethiol				66577-83-1
l-g	6.6874	3200.4	-244.15	612/928	612/928 D		72-trchc
566	C₇₀H₁₄₂S		1-Heptacontanethiol				66577-88-6
l-g	6.6823	3204.2	-245.15	614/930	614/930 D		72-trchc
567	C₇₁H₁₄₄S		1-Henheptacontanethiol				66577-93-3
l-g	6.6771	3207.7	-246.15	616/933	616/933 D		72-trchc
568	C₇₂H₁₄₆S		1-Doheptacontanethiol				66577-98-8
l-g	6.6719	3211	-247.15	617/935	617/935 D		72-trchc
569	C₇₃H₁₄₈S		1-Triheptacontanethiol				66577-64-8
l-g	6.6665	3214.1	-248.15	619/938	619/938 D		72-trchc
570	C₇₄H₁₅₀S		1-Tetrahepta-contanethiol				66577-69-3
l-g	6.6611	3217	-249.15	620/940	620/940 D		72-trchc
571	C₇₅H₁₅₂S		1-Pentahepta-contanethiol				66577-74-0
l-g	6.6556	3219.7	-250.15	622/942	622/942 D		72-trchc
572	C₇₆H₁₅₄S		1-Hexahepta-contanethiol				66577-79-5
l-g	6.65	3222.1	-251.15	623/945	623/945 D		72-trchc
573	C₇₇H₁₅₆S		1-Heptahepta-contanethiol				66575-57-3
l-g	6.6444	3224.4	-252.15	625/947	625/947 D		72-trchc
574	C₇₈H₁₅₈S		1-Octaheptacontanethiol				66375-13-1
l-g	6.6388	3226.5	-253.15	626/949	626/949 D		72-trchc
575	C₇₉H₁₆₀S		1-Nonahepta-contanethiol				66327-38-6
l-g	6.633	3228.4	-254.15	628/952	628/952 D		72-trchc
576	C₈₀H₁₆₂S		1-Octacontanethiol				66327-43-3
l-g	6.6273	3230.1	-255.15	629/954	629/954 D		72-trchc
577	C₈₁H₁₆₄S		1-Henoctacontanethiol				66327-48-8
l-g	6.6215	3232	-255.15	630/955	630/955 D		72-trchc
578	C₈₂H₁₆₆S		1-Doctacontanethiol				66327-11-5
l-g	6.6156	3233	-256.15	631/957	621/957 D		72-trchc
579	C₈₃H₁₆₈S		1-Trioctacontanethiol				66327-16-0
l-g	6.6098	3234	-257.15	633/959	633/959 D		72-trchc
580	C₈₄H₁₇₀S		1-Tetraoctacontanethiol				66327-21-7
l-g	6.6039	3235	-258.15	634/962	634/962 D		72-trchc
581	C₈₅H₁₇₂S		1-Pentaoctacontanethiol				66327-26-2
l-g	6.5979	3236	-258.15	634/963	634/963 D		72-trchc

Phase	Antoine constants			<i>T</i> -range [K]	Range [K], Rating	<i>T</i> _b [K]/ <i>P</i> _b [kPa]	Ref. Note
	<i>A</i> , (<i>n</i>)	<i>B</i> [K], (<i>E</i>)	<i>C</i> [K], (<i>F</i>)				
582	C₈₆H₁₇₄S		1-Hexaoctacontanethiol				66326-89-4
l-g	6.592	3237	−259.15	636/965	636/965 D		72-trchc
583	C₈₇H₁₇₆S		1-Heptaoctacontanethiol				66326-94-1
l-g	6.586	3238	−260.15	637/967	637/967 D		72-trchc
584	C₈₈H₁₇₈S		1-Octaoctacontanethiol				66326-99-6
l-g	6.58	3239	−261.15	639/969	639/969 D		72-trchc
585	C₈₉H₁₈₀S		1-Nonaoctacontanethiol				66327-04-6
l-g	6.574	3239	−261.15	639/970	639/970 D		72-trchc