

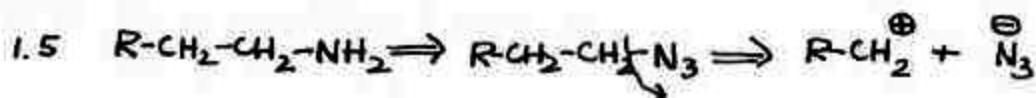
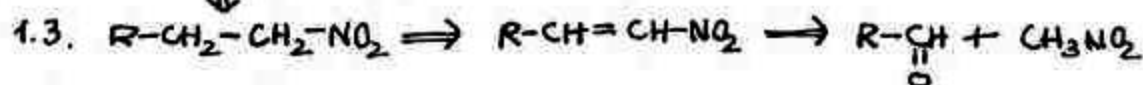
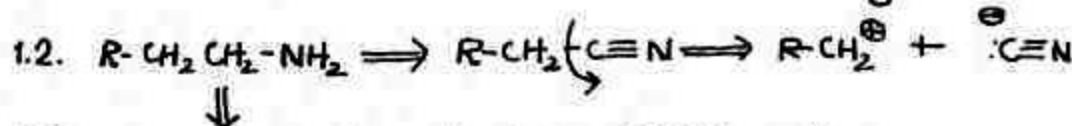
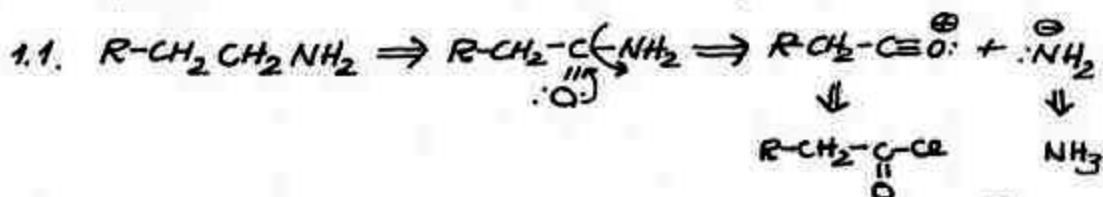
Лекция N5

Ретрон

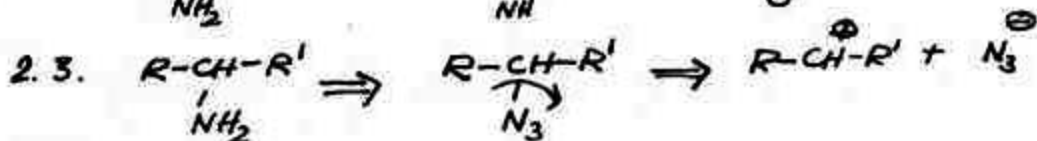
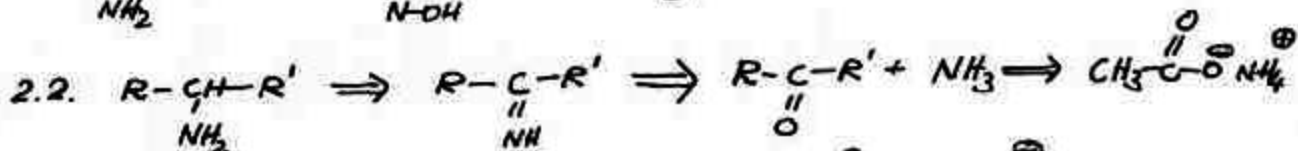
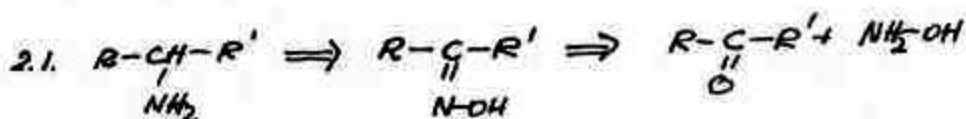


I Трансформации гидрирования

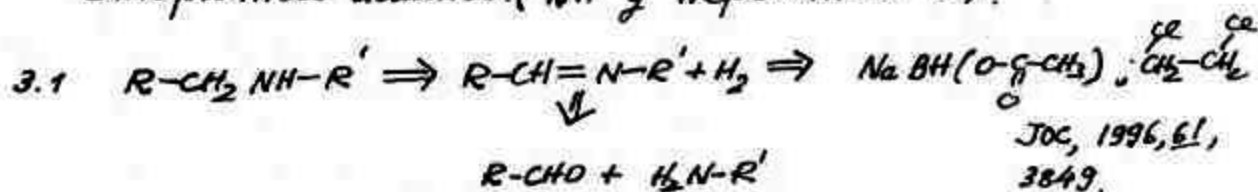
Первичные амины (NH_2 у первичного C)



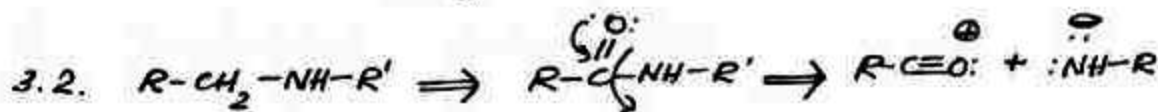
Первичные амины (NH_2 у вторичного C)



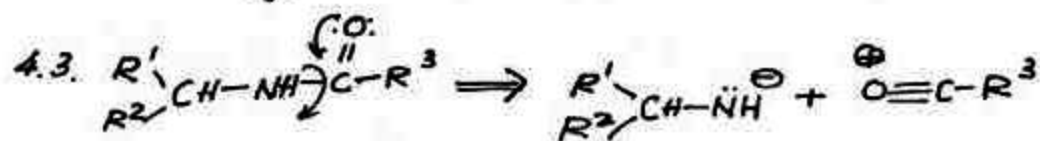
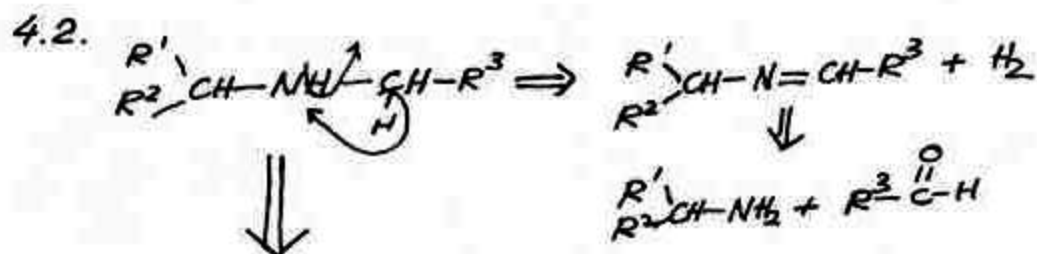
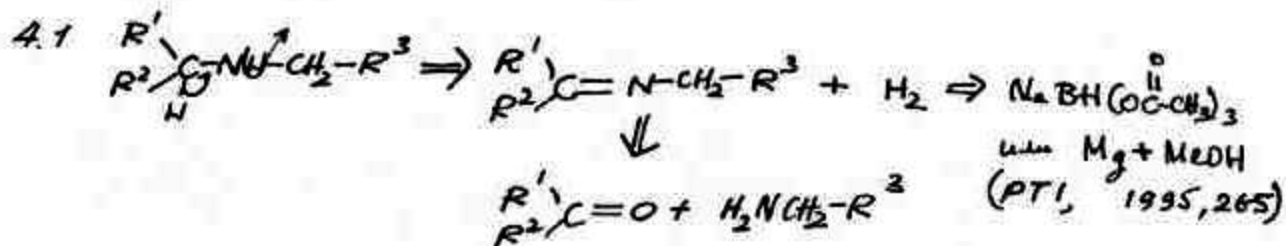
Вторичные амины. (NH у первичного C).



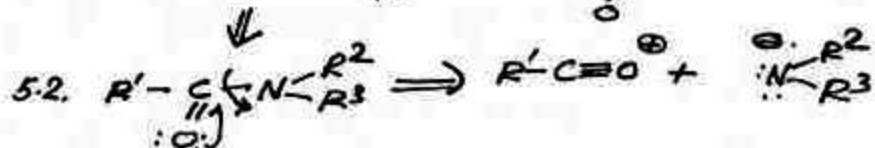
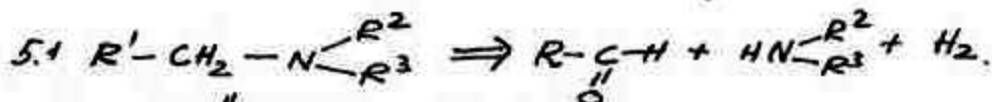
ЖОС, 1996, 61,
3849.



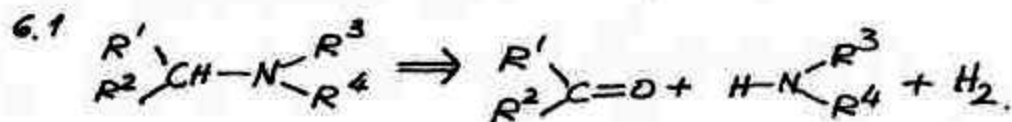
Вторичные амины (NH у вторичного C).



Третичные амины. (N у первичного C).

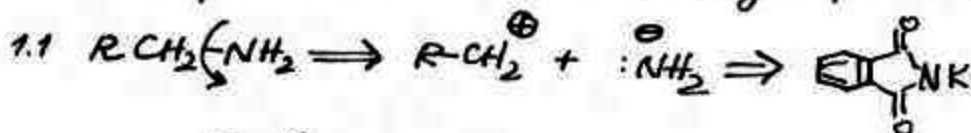


Третичные амины (N у вторичного C)



II Трансформы алкилирование

Первичные амины (NH_2 у первичного C)

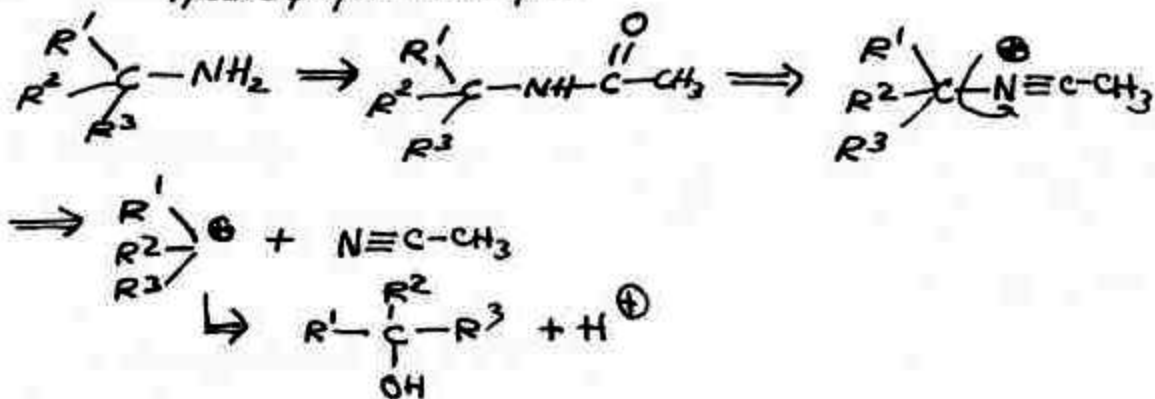


Первичные амины (NH_2 у вторичного C).

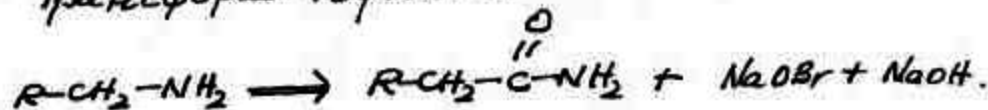


Первичные амины (NH_2 у третичного C).

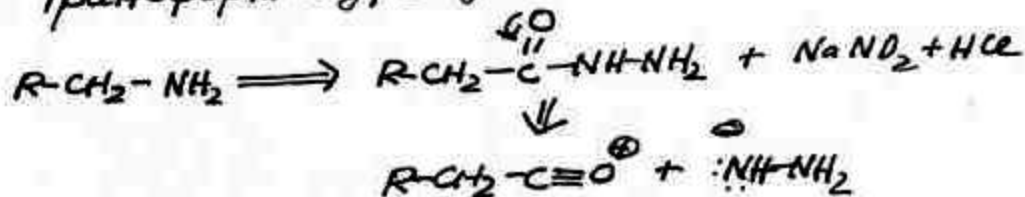
Трансформ Риттера



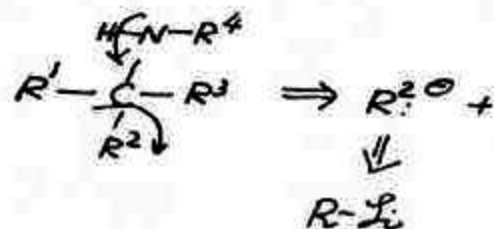
III Трансформы Гормана.



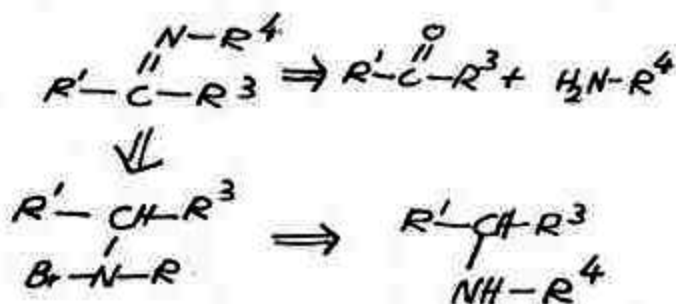
IV Трансформ Кузнецова



IV Трансформации Гриньяра

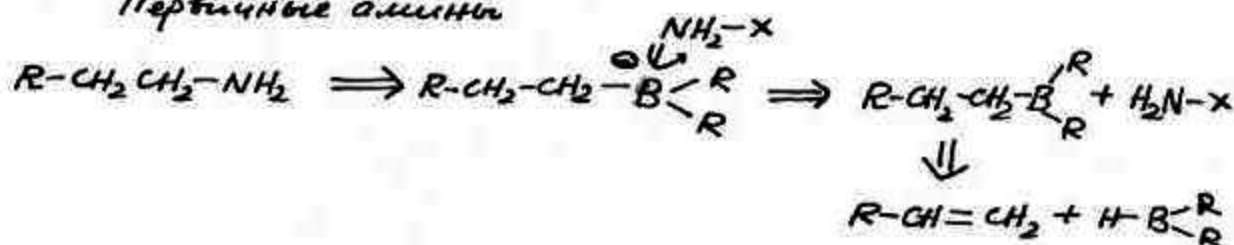


Вторичные амины

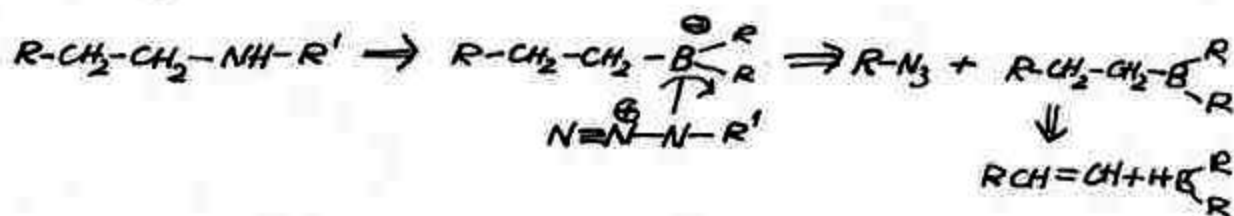


V Трансформации Брауна

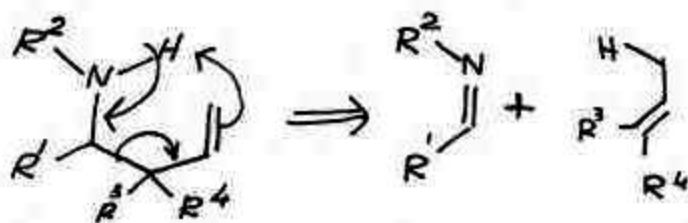
Первичные амины



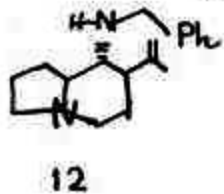
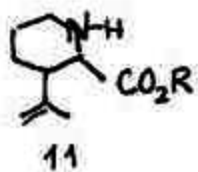
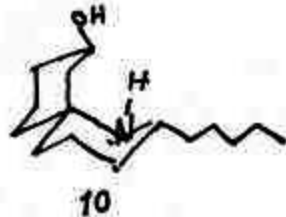
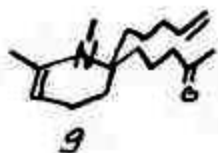
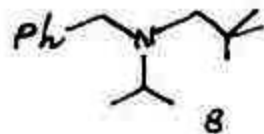
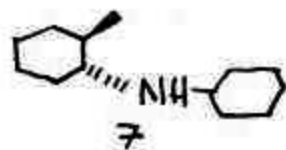
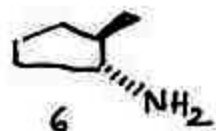
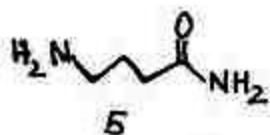
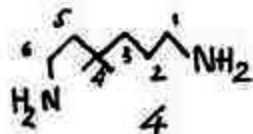
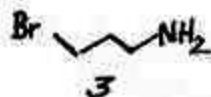
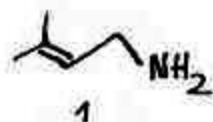
Вторичные амины



VI Трансформации енолов реакция Альдера

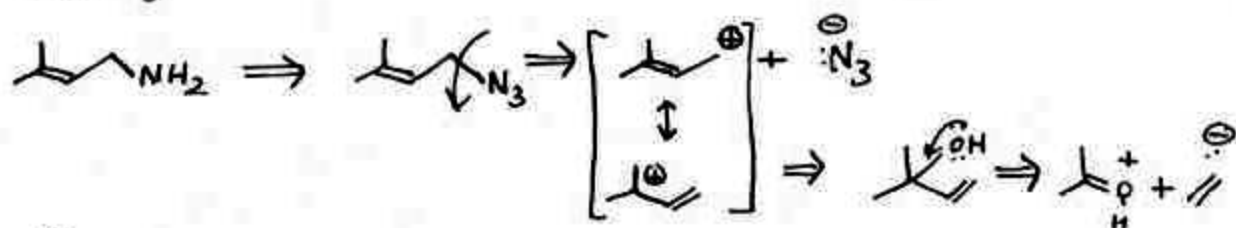


3ageru.

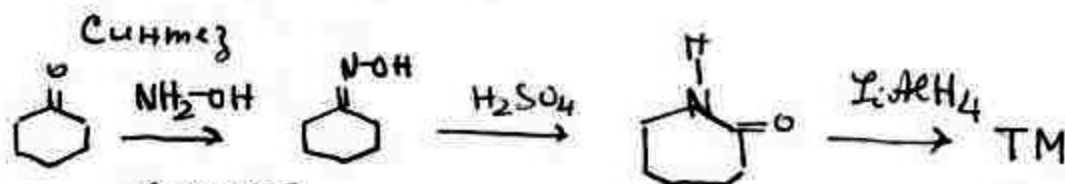
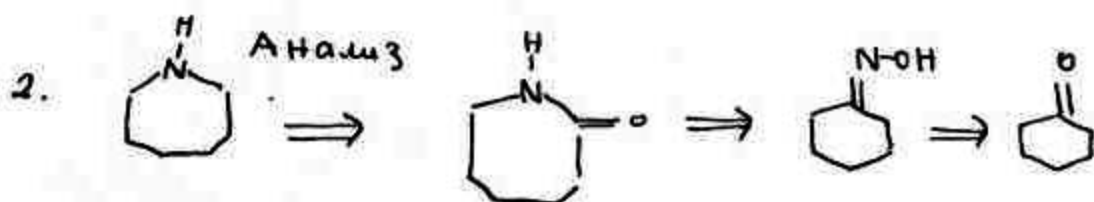
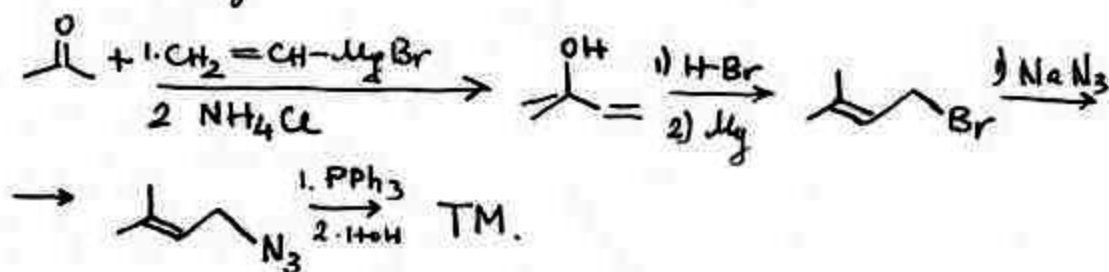


Отвѣты

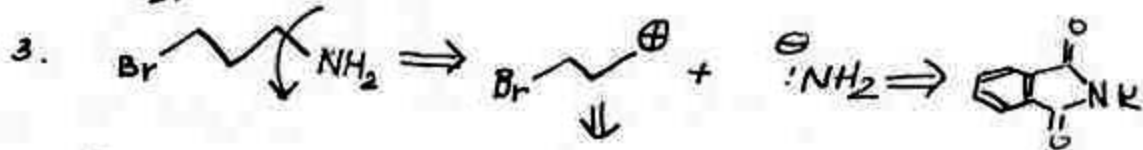
1. Анализ



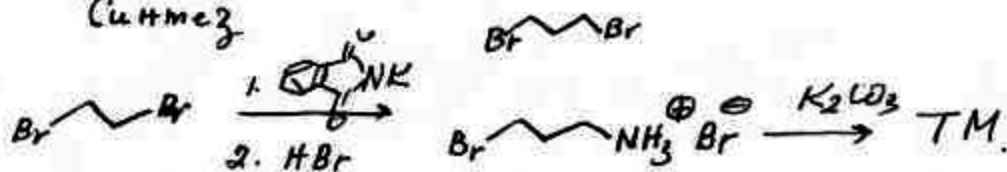
Синтез



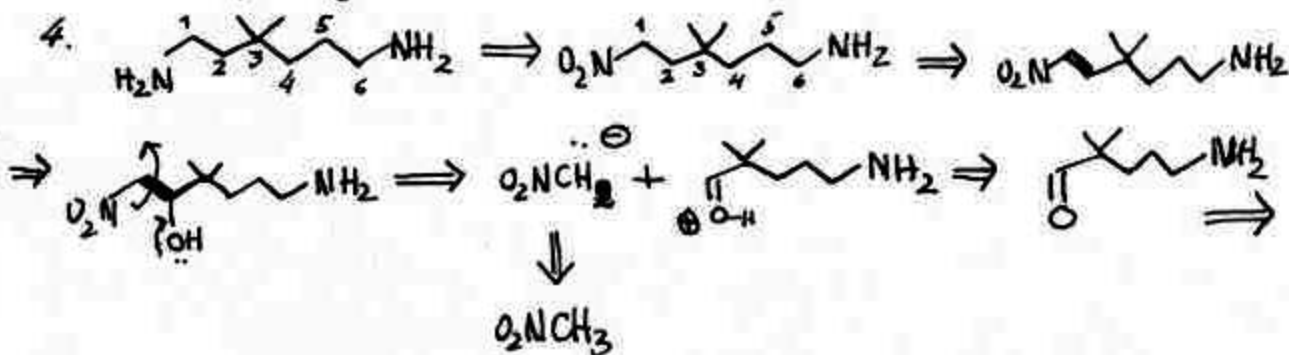
Анализ

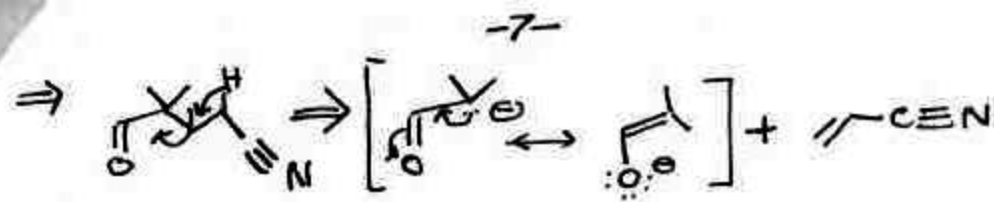


Синтез

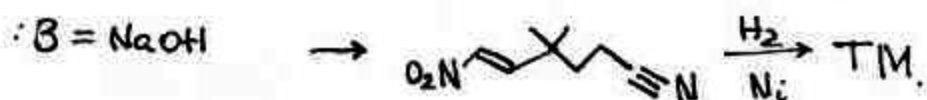
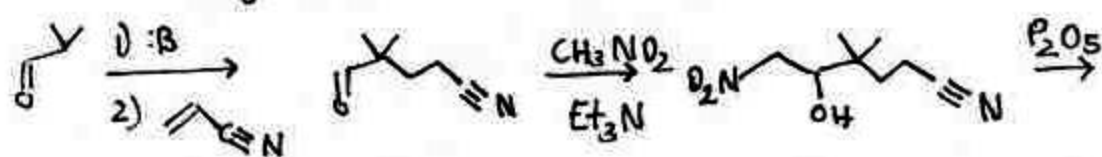


Анализ



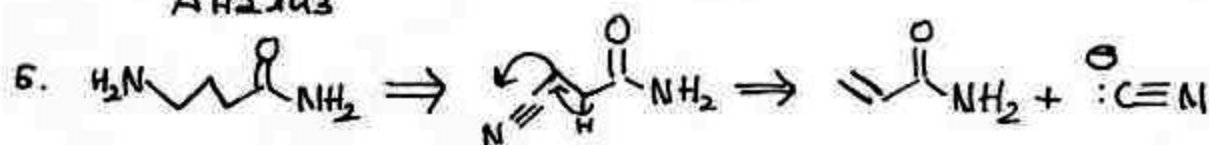


Синтез

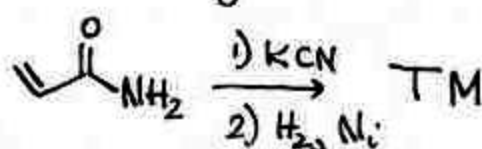


W. 181

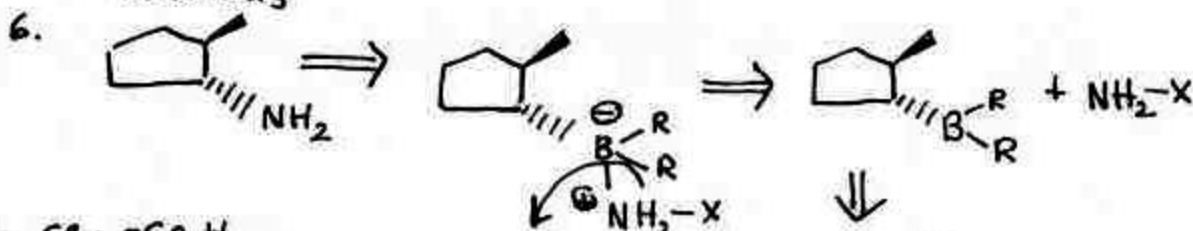
Анализ



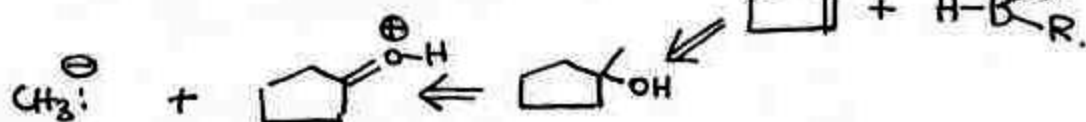
Синтез



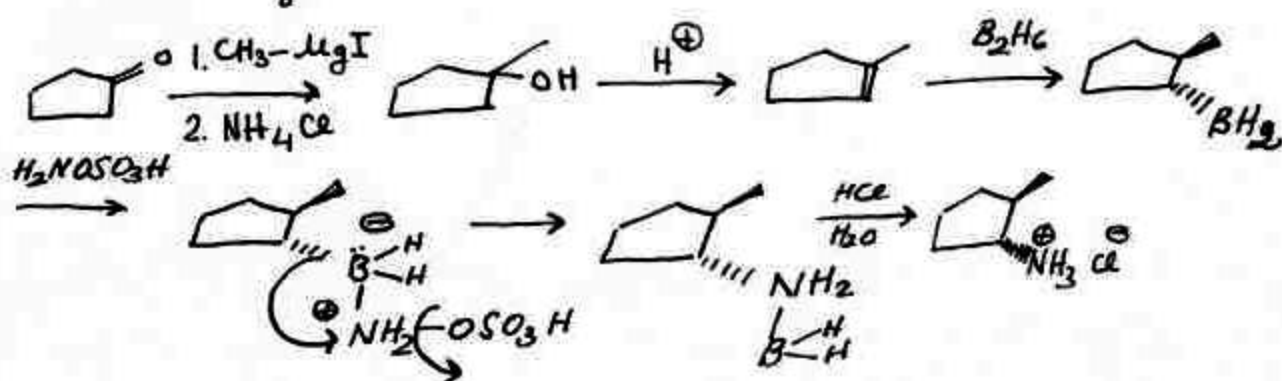
Анализ



$\text{X} = \text{Cl}; \text{OSO}_3\text{H}$

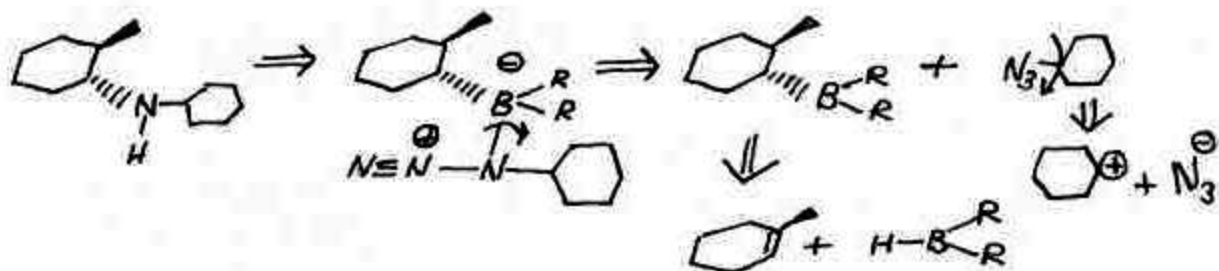


Синтез

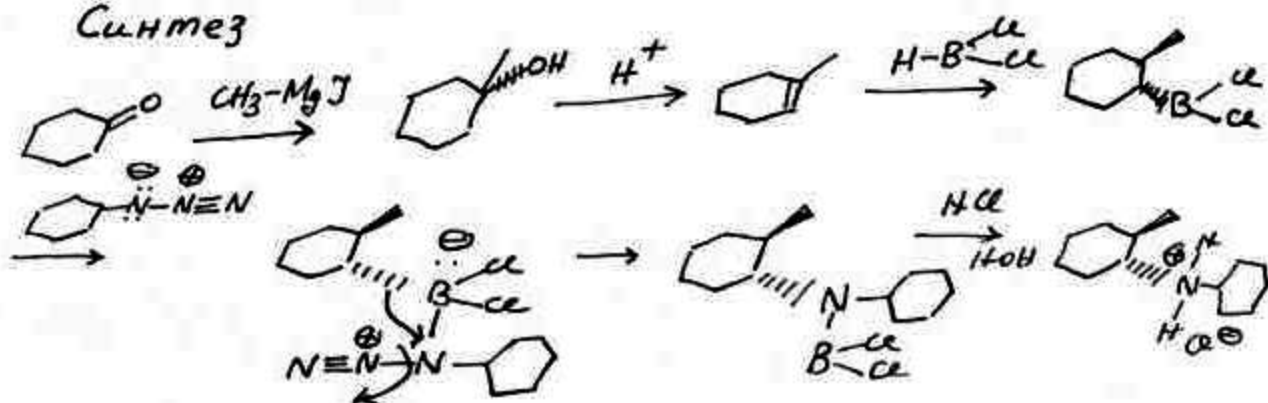


Анализ

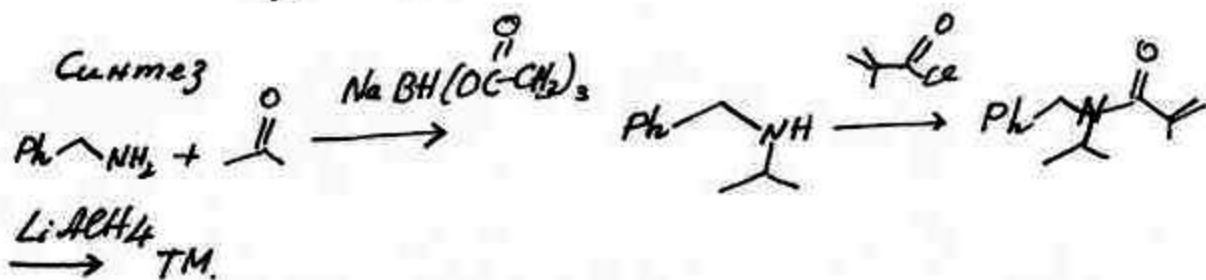
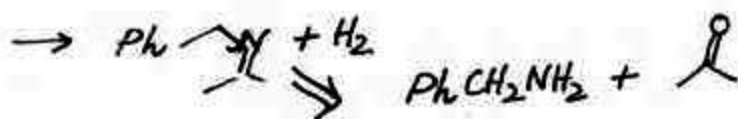
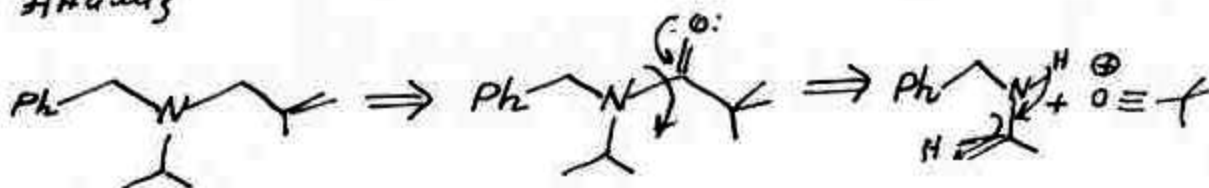
7.



Синтез

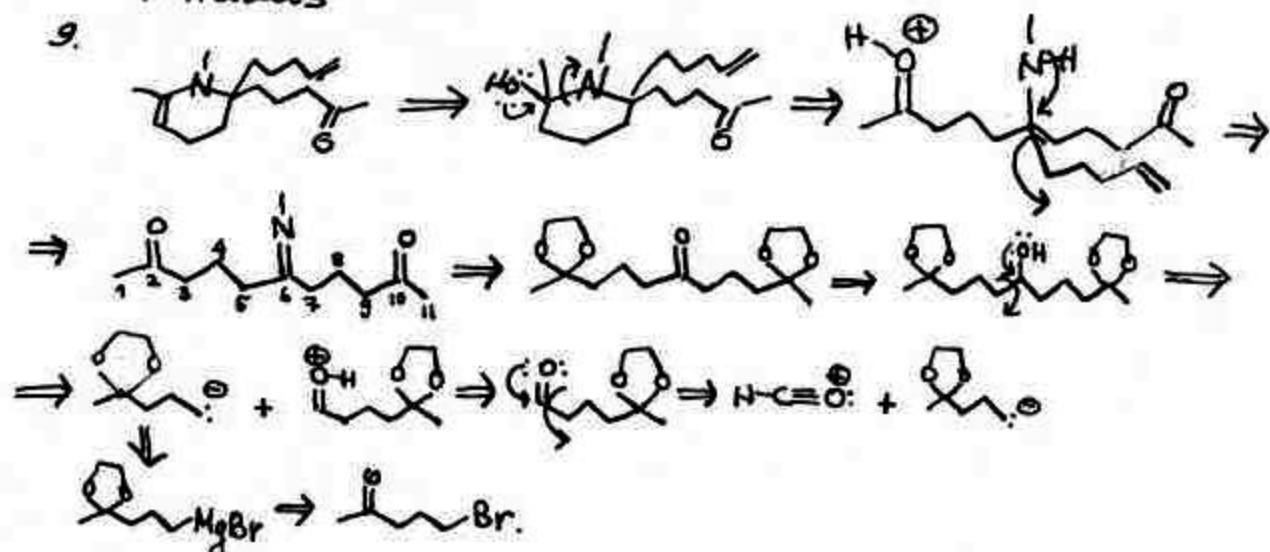


8 Анализ

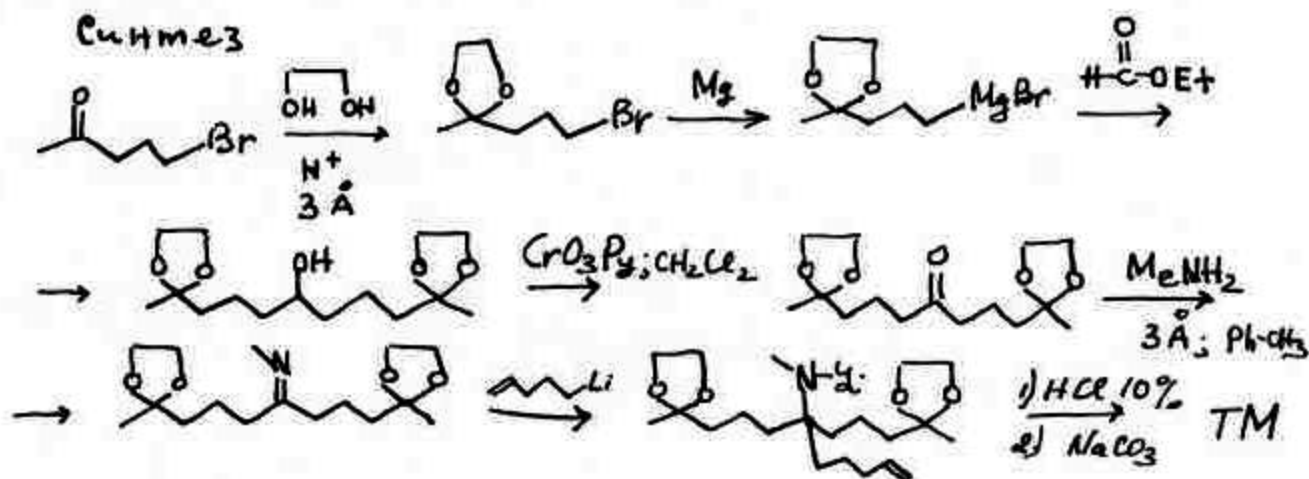


Анализ

9.

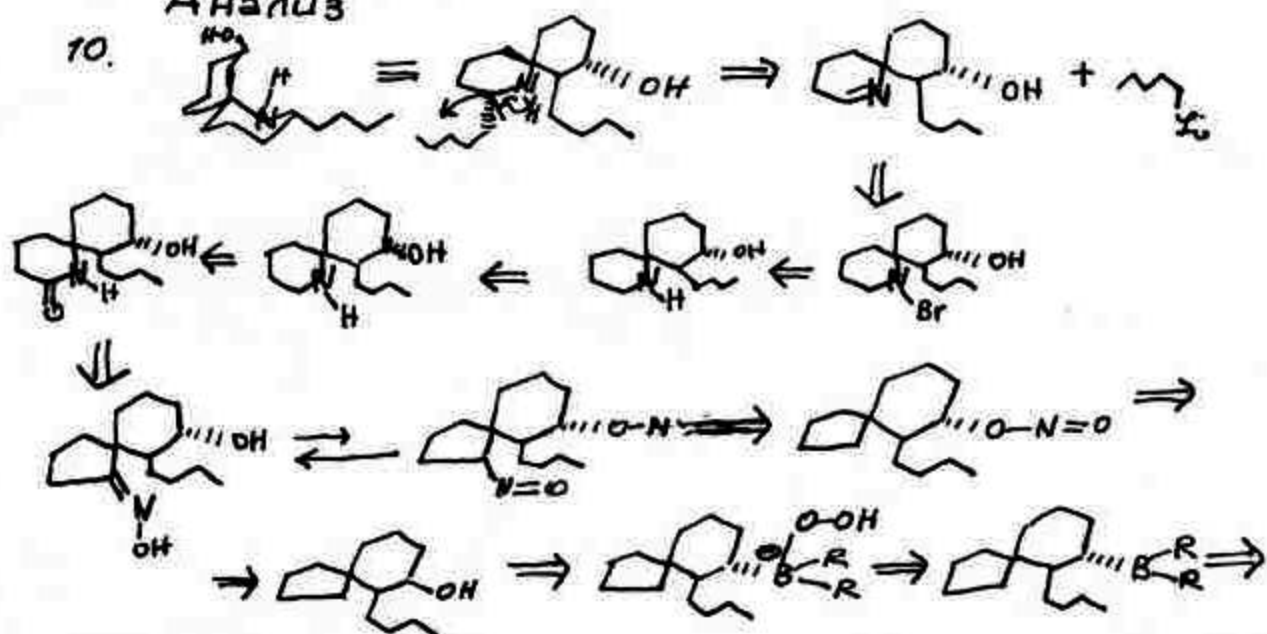


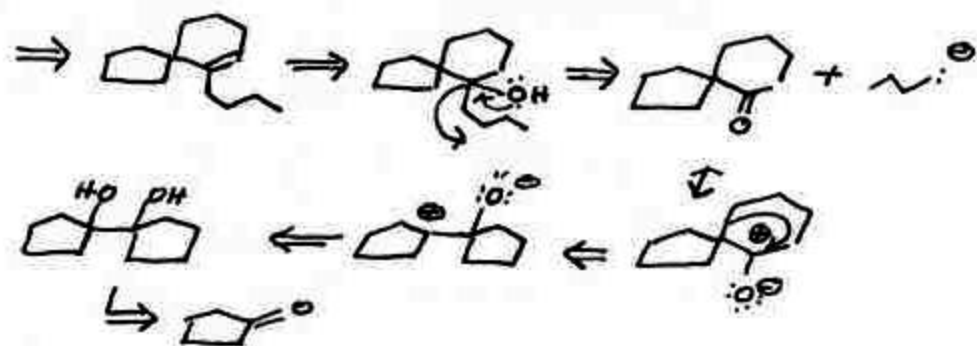
Синтез



Анализ

10.





Синтез

