

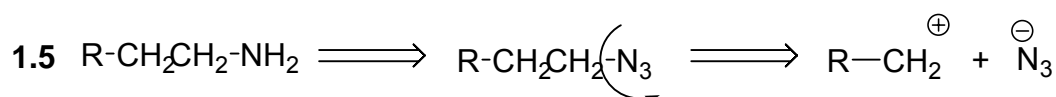
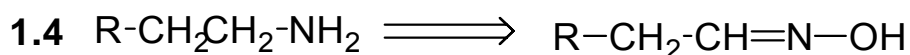
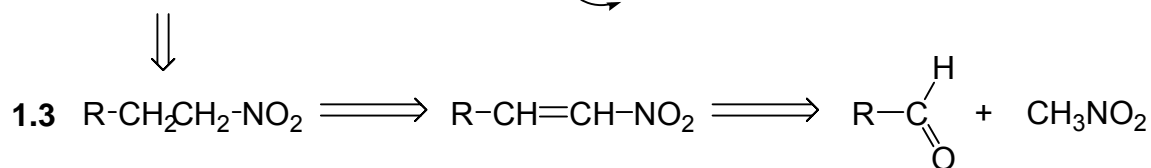
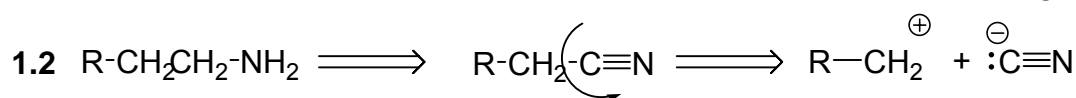
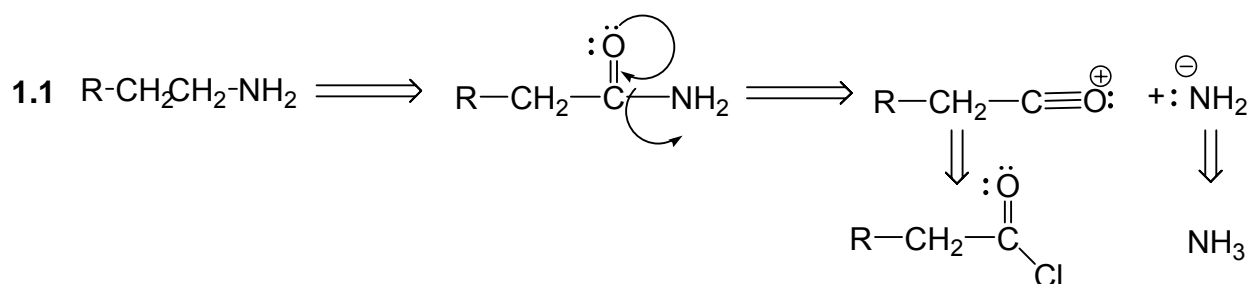
Лекция №5

Ретрон

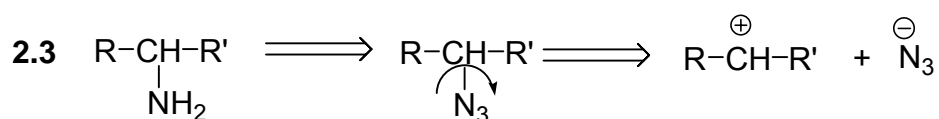
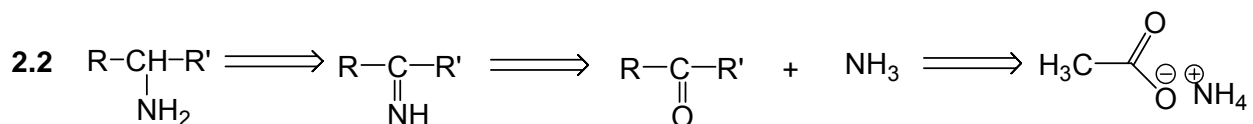
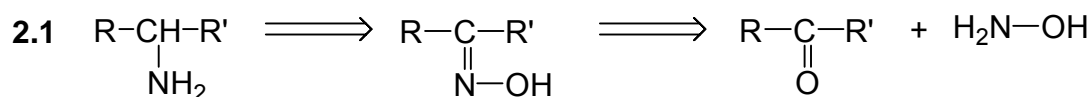


1. Трансформ гидрирования

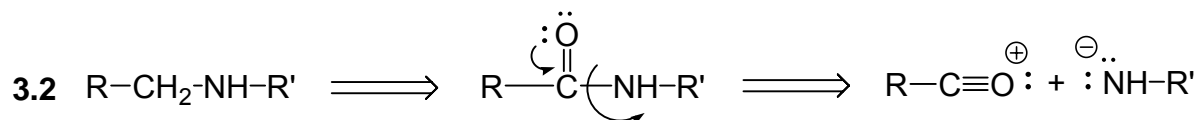
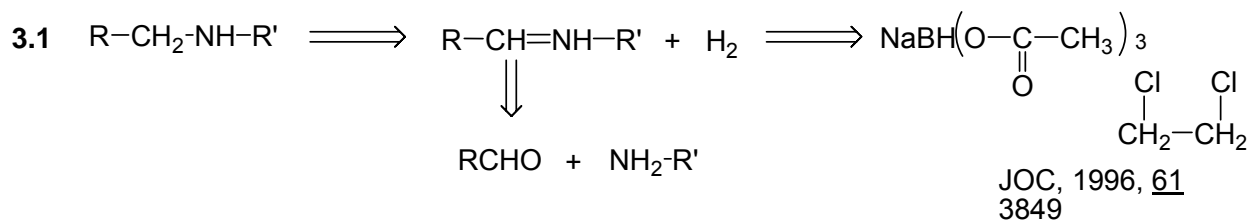
Первичные амины (NH₂ у первичного атома C)



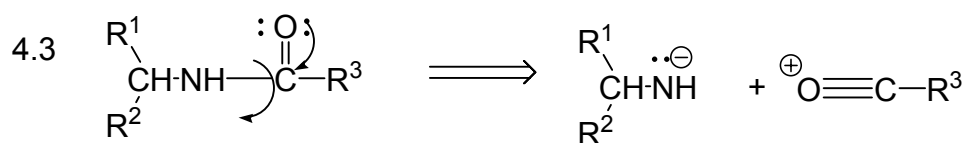
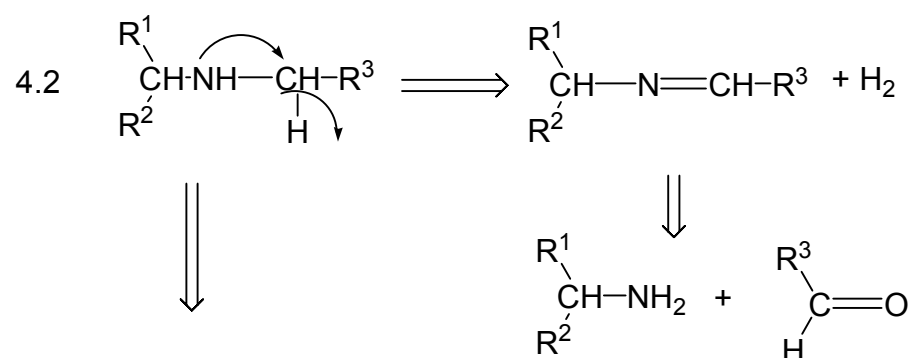
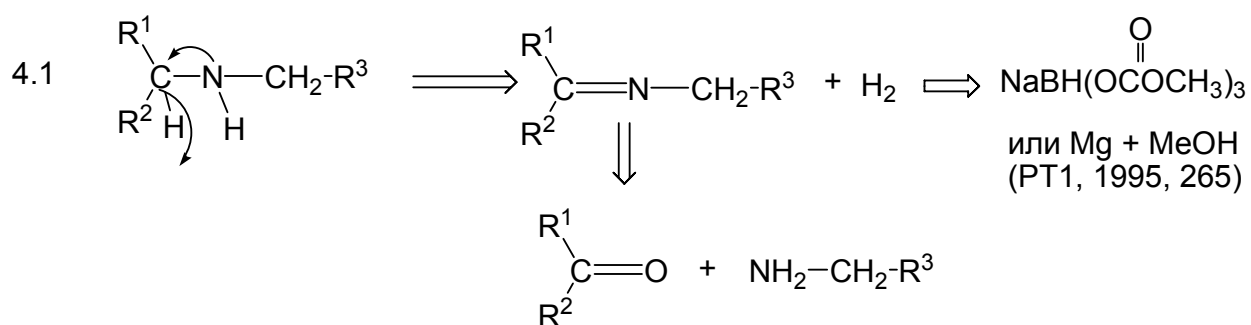
Первичные амины (NH₂ у вторичного атома C)



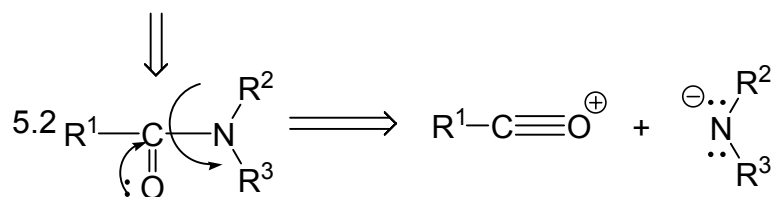
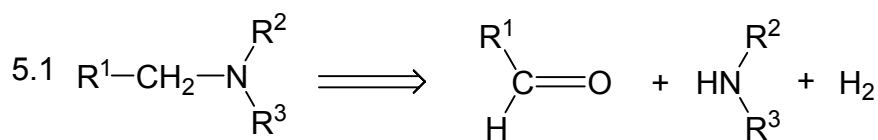
Вторичные амины (NH у первичного атома C)



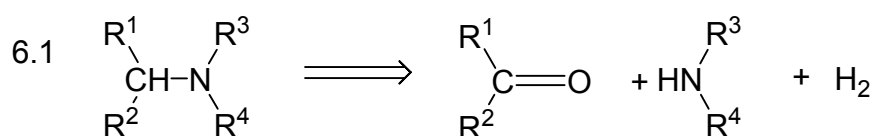
Вторичные амины (NH у вторичного атома C)



Третичные амины (N у первичного C)

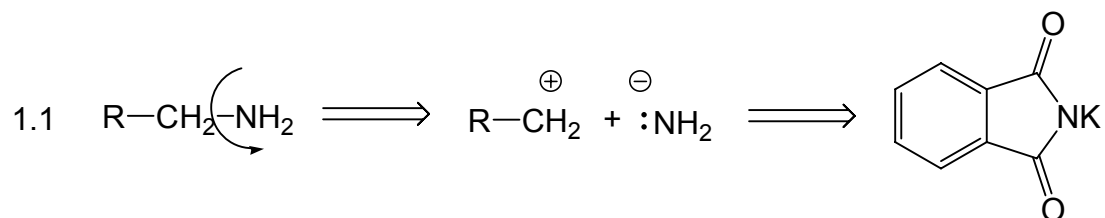


Третичные амины (N у вторичного C)

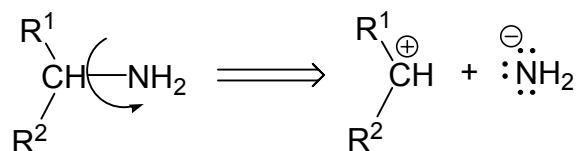


2. Трансформ алкилирования

Первичные амины (NH₂ у первичного C)

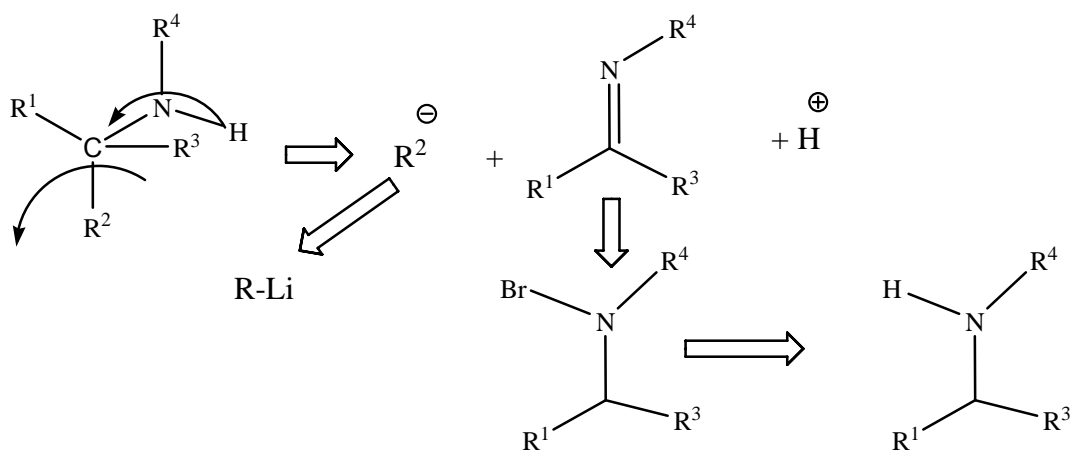


Первичные амины (NH₂ у вторичного C)



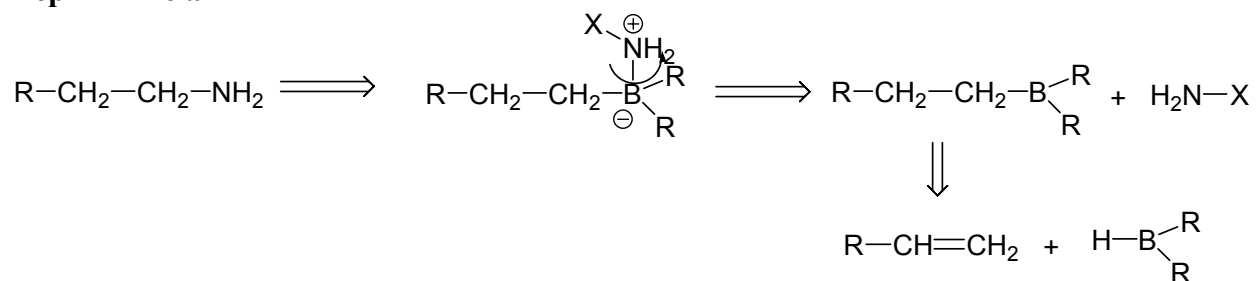
Первичные амины (NH₂ у третичного C)

Трансформ Риттера

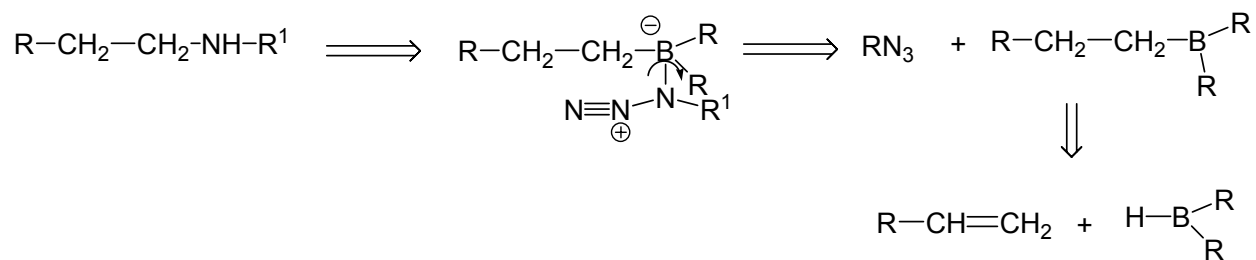


6 Трансформ Брауна

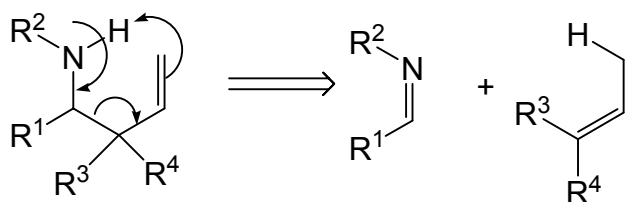
Первичные амины



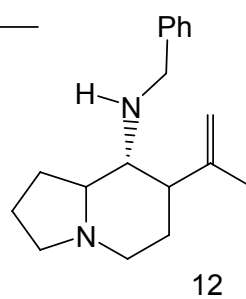
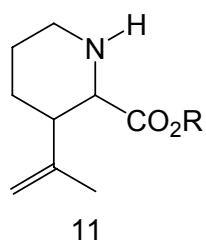
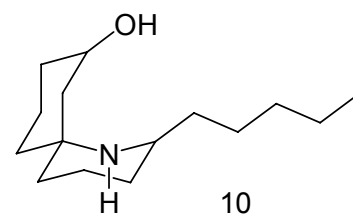
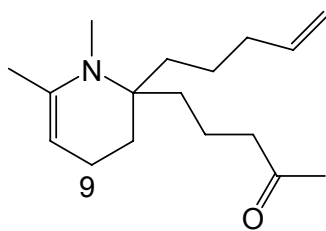
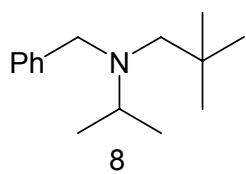
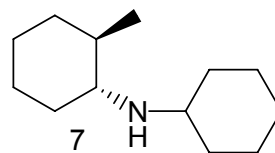
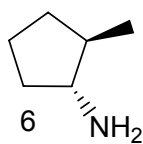
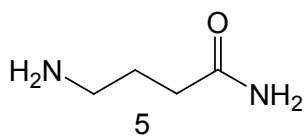
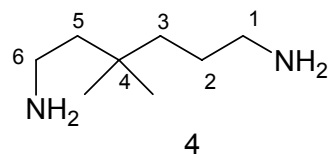
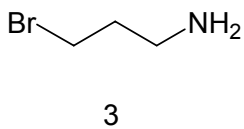
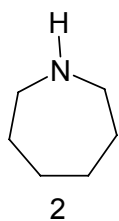
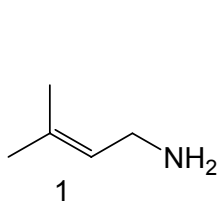
Вторичные амины



7 Трансформ еновая реакция Альдера

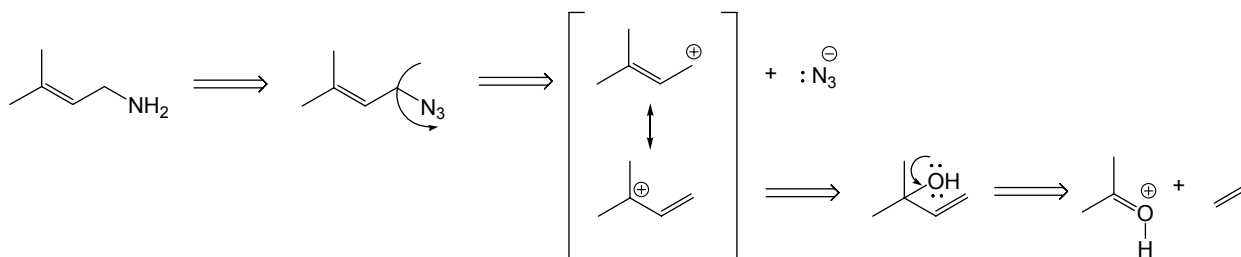


ЗАДАЧИ

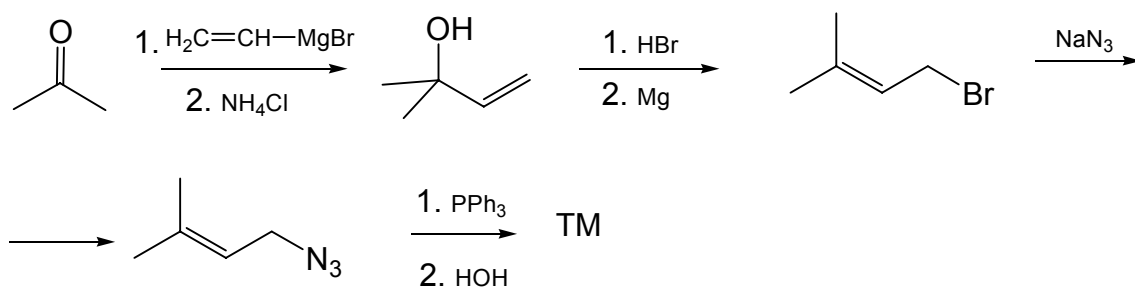


ОТВЕТЫ

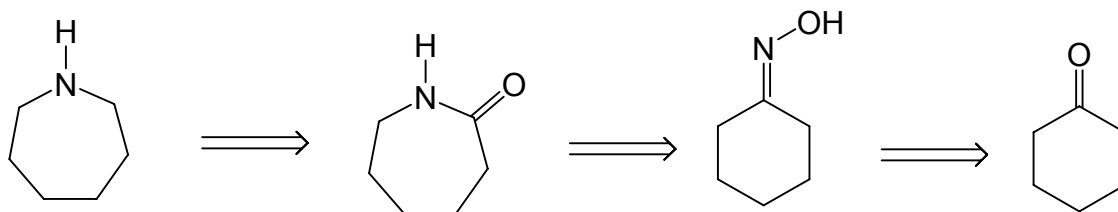
1. Анализ



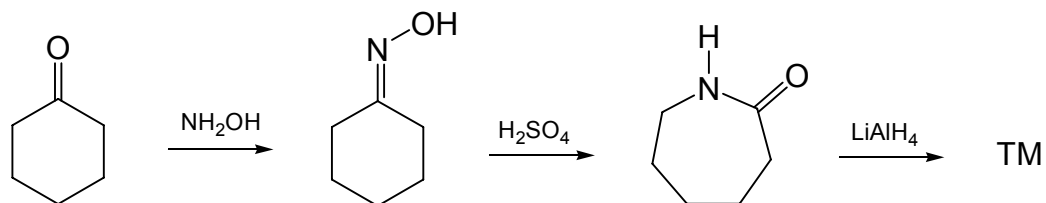
Синтез



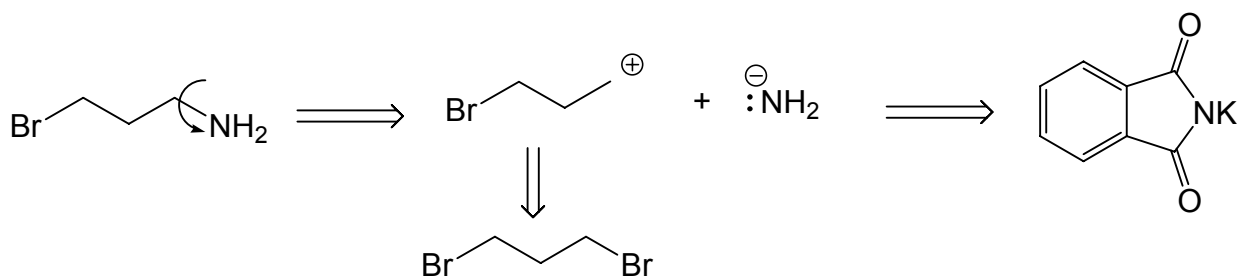
2. Анализ



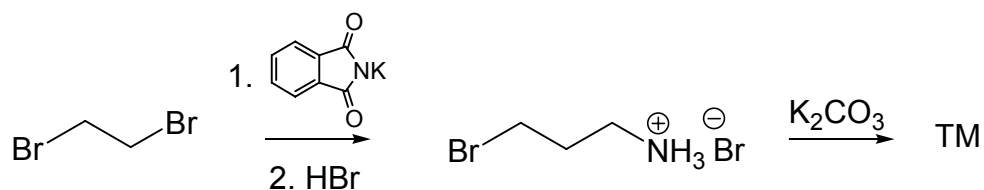
Синтез



3. Анализ

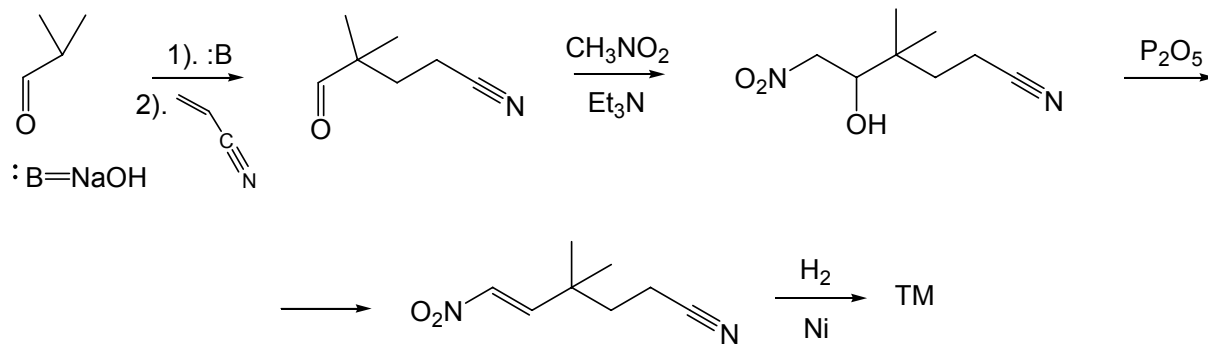


Синтез



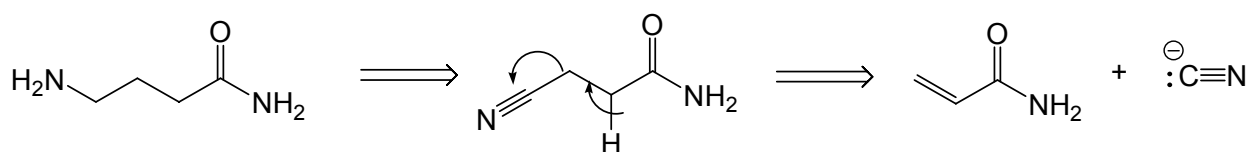
4. Анализ

Синтез

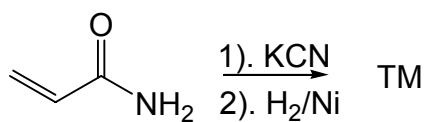


W.181

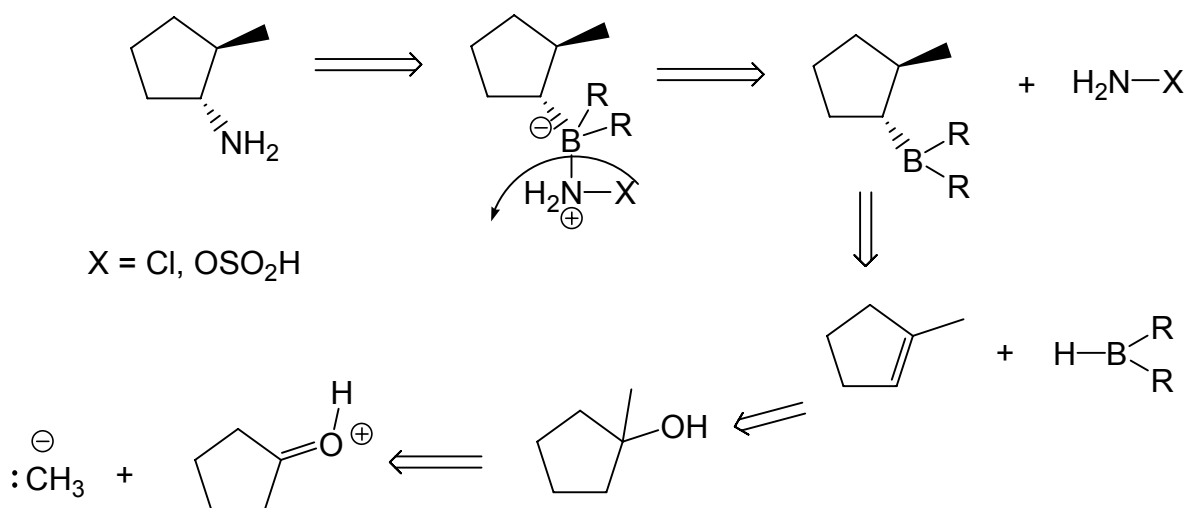
5. Анализ



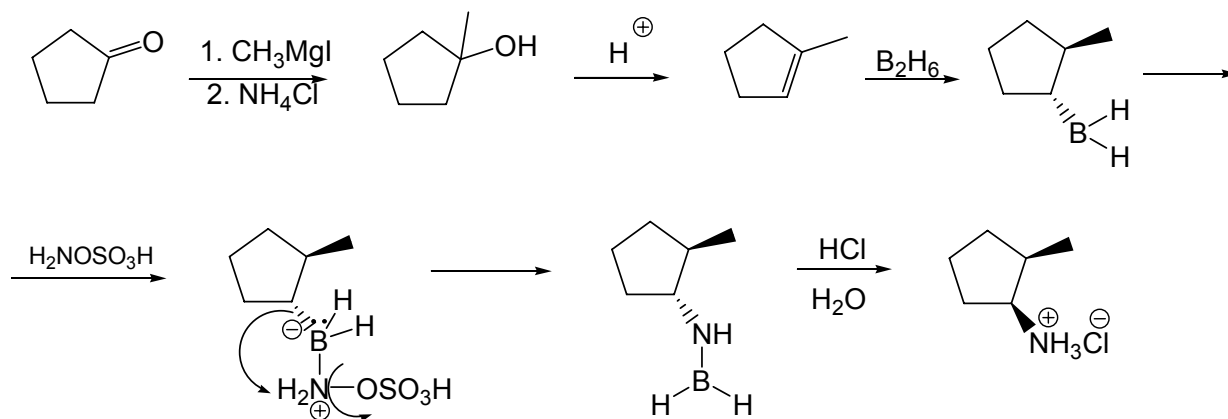
Синтез



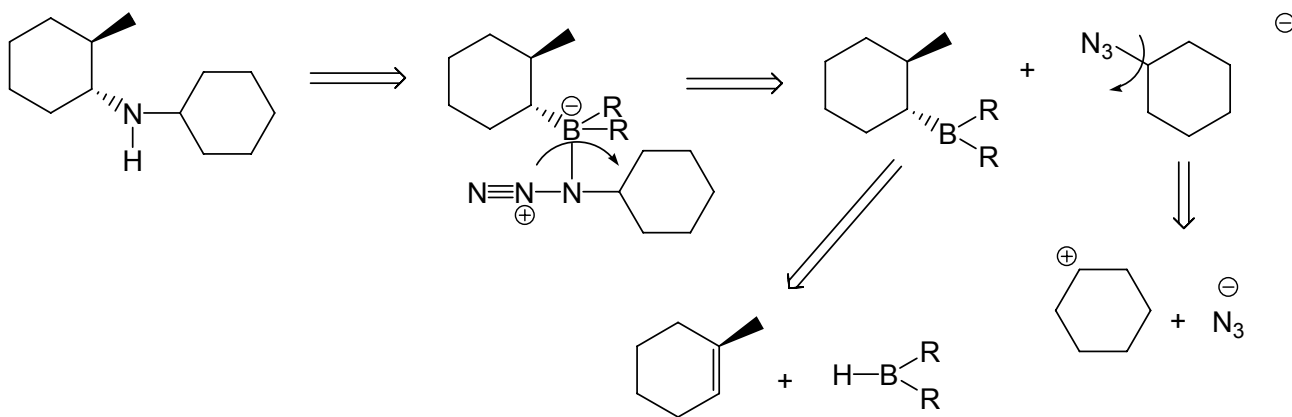
6. Анализ



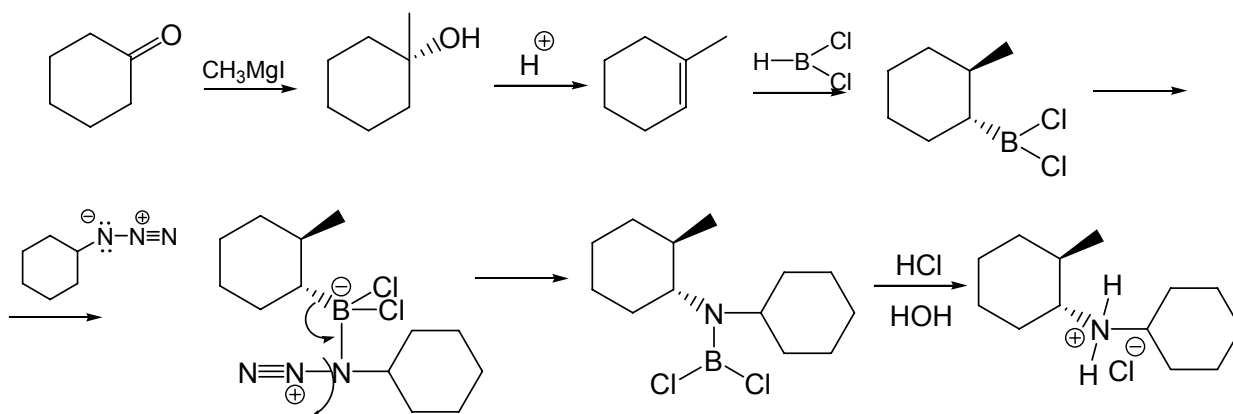
Синтез



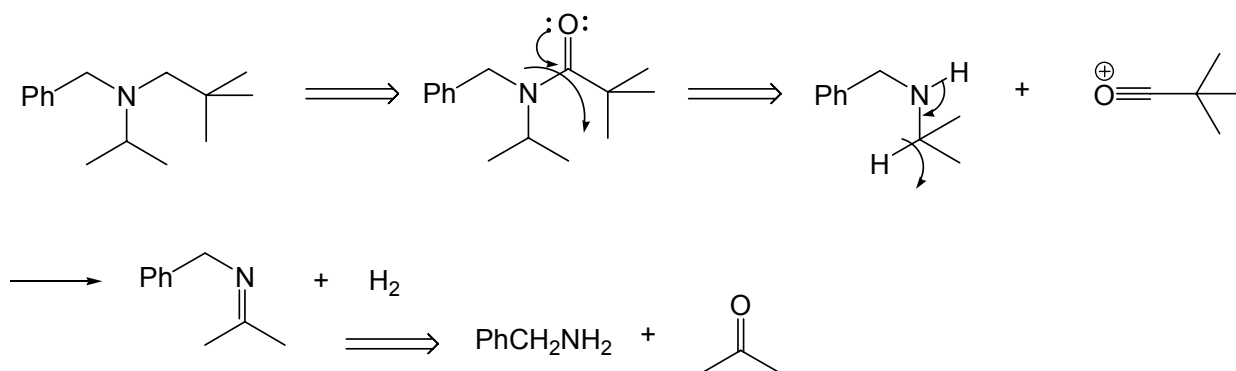
7. Анализ



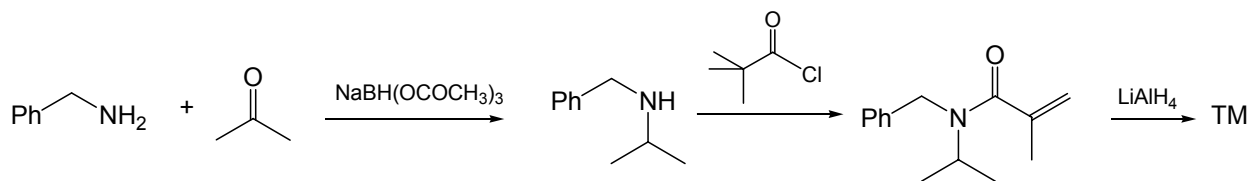
Синтез



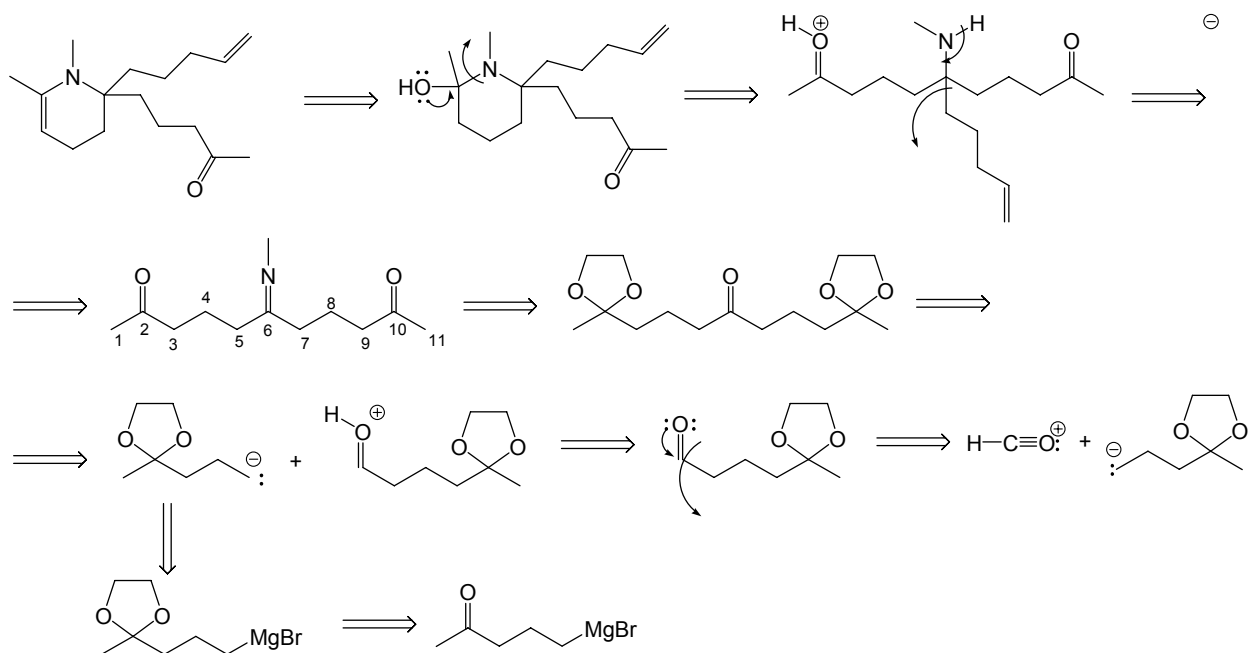
8. Анализ



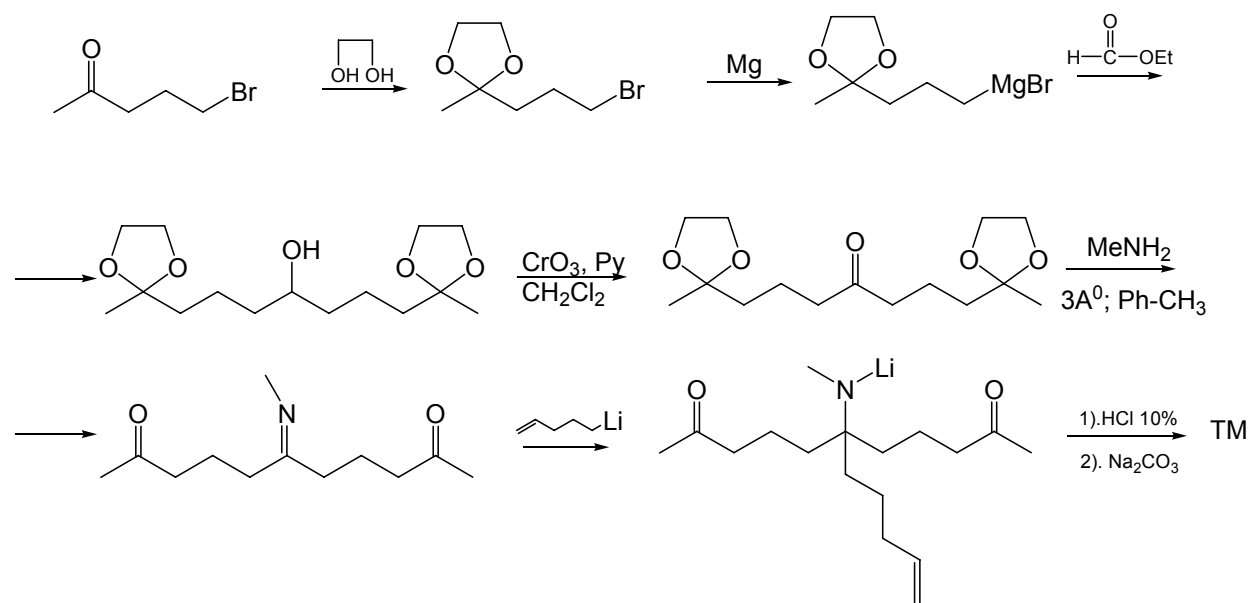
Синтез



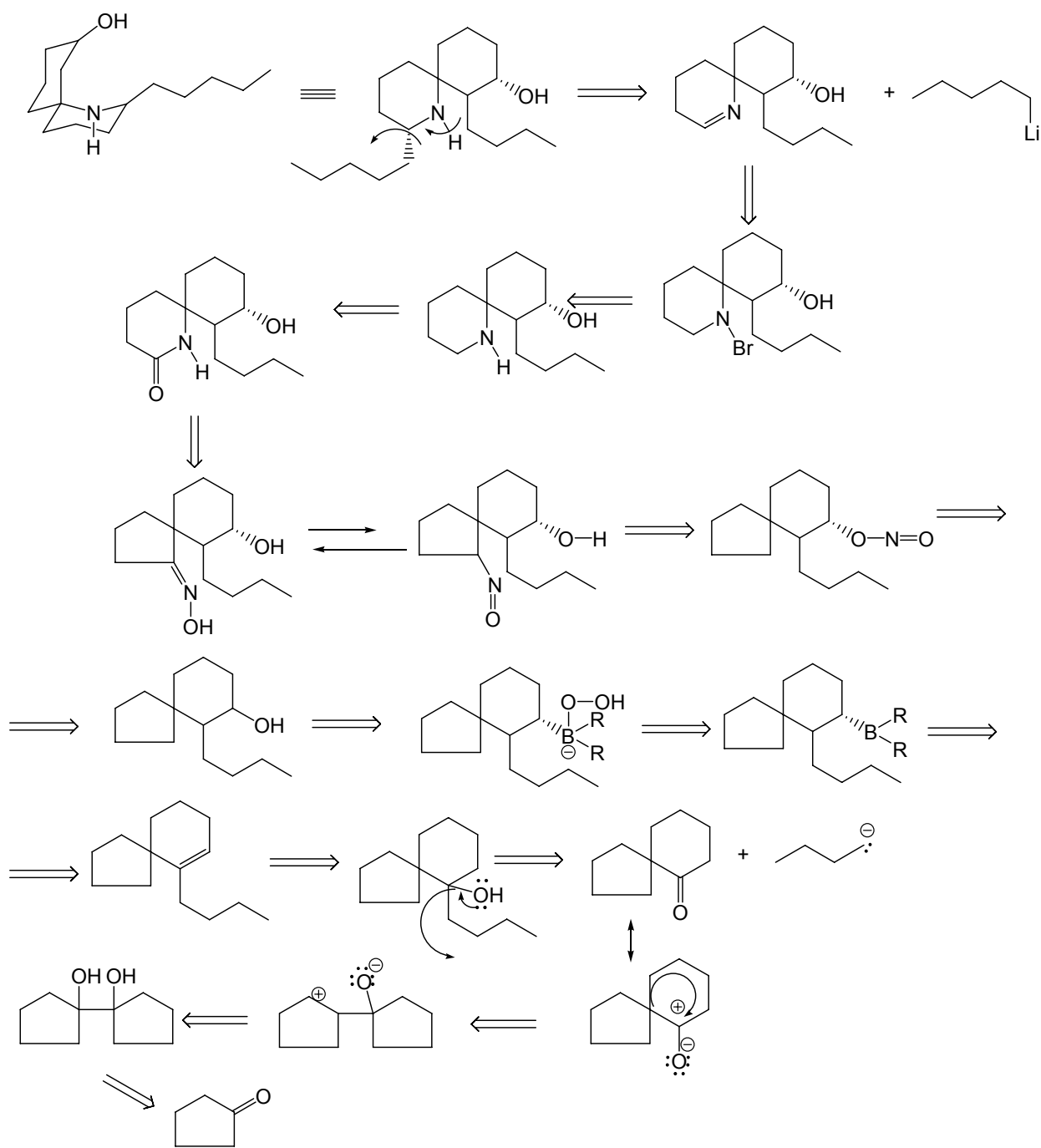
9. Анализ



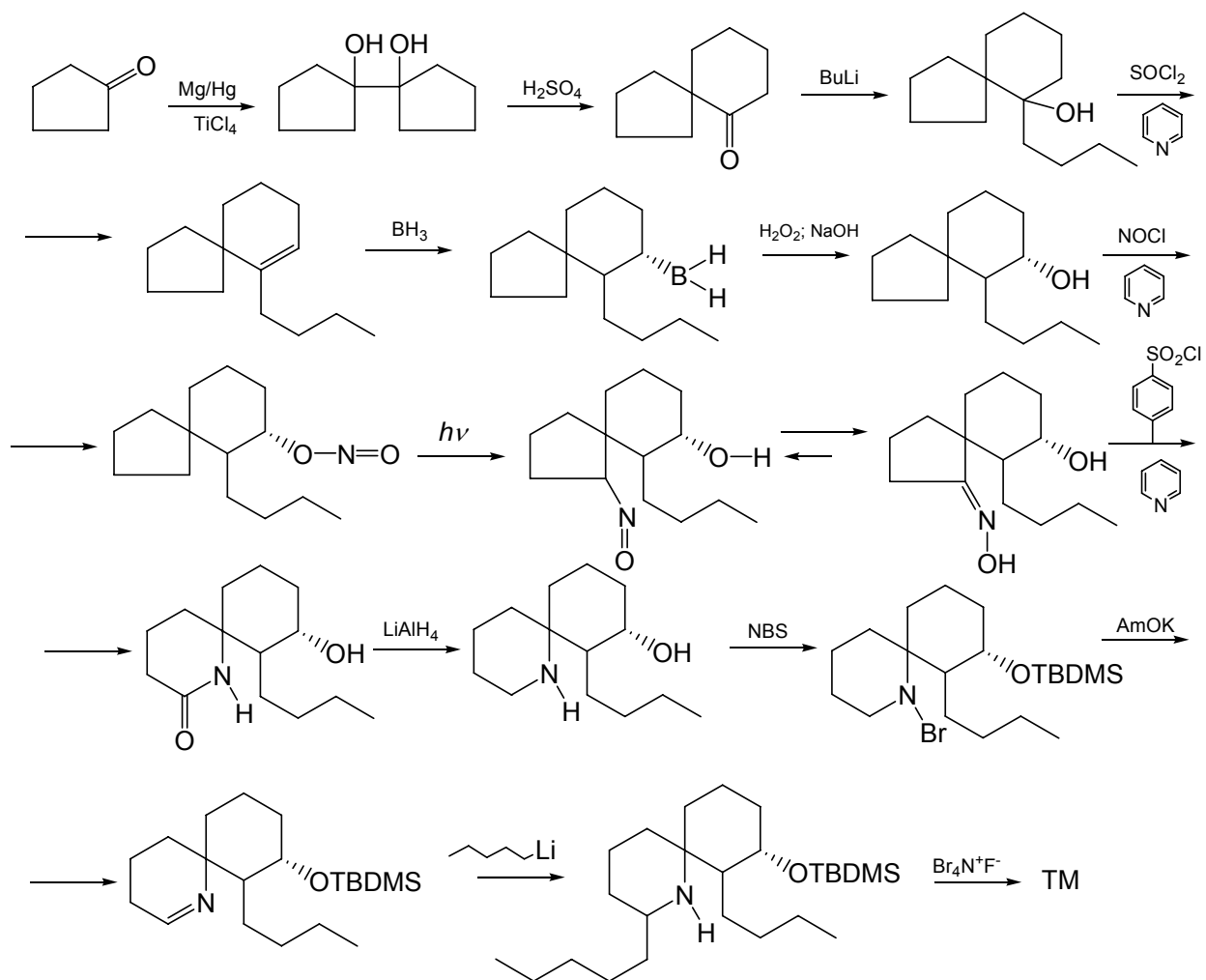
Синтез



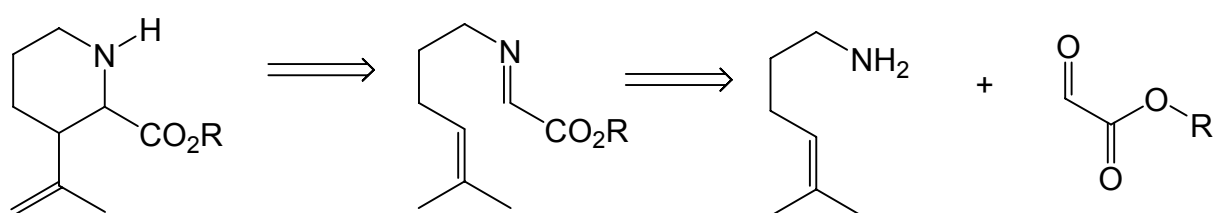
10. Анализ



Синтез



11.



12.

