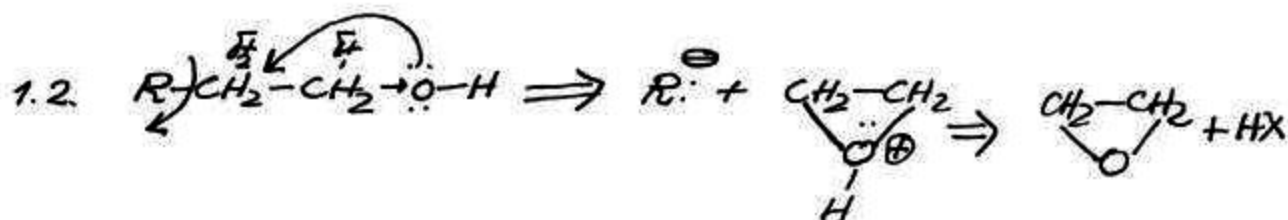
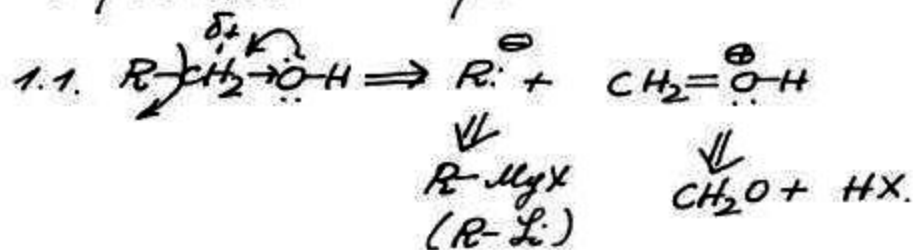


Лекция 4.

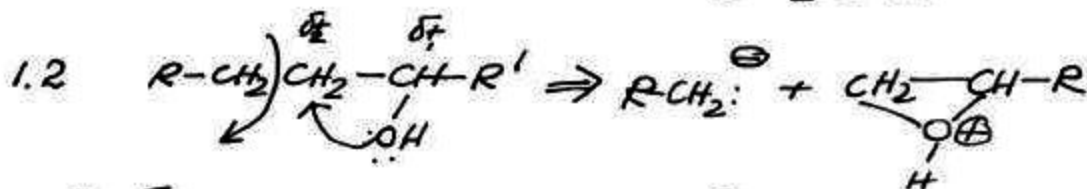
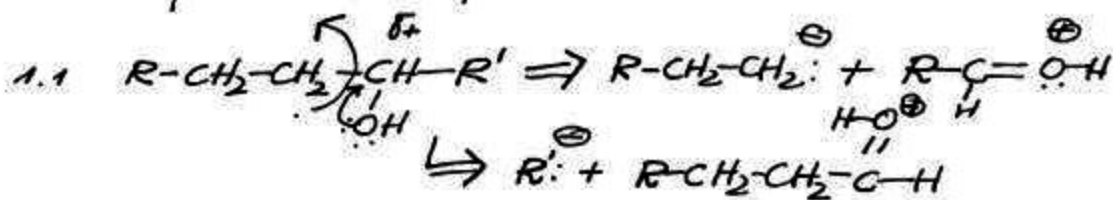
Ретрон 

1. Трансформы Гриньеера.

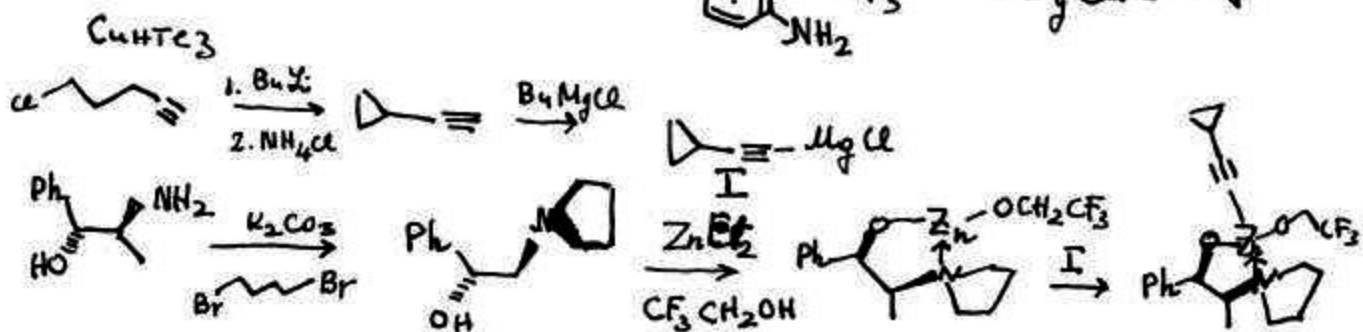
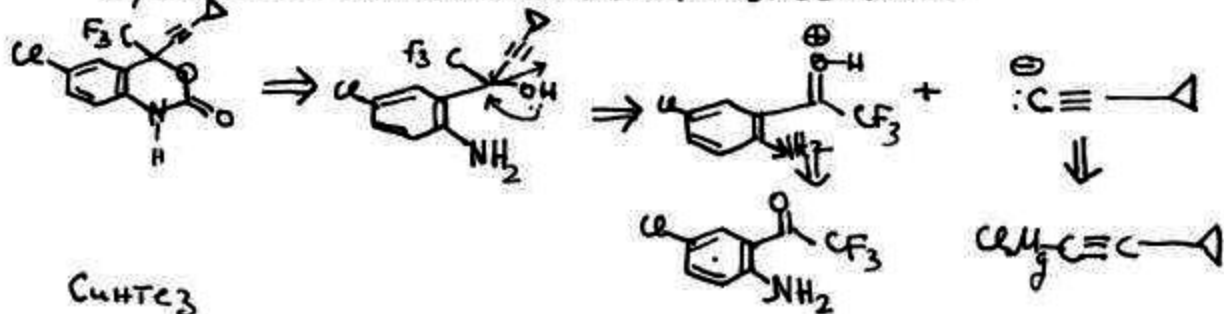
Первичные спирты.



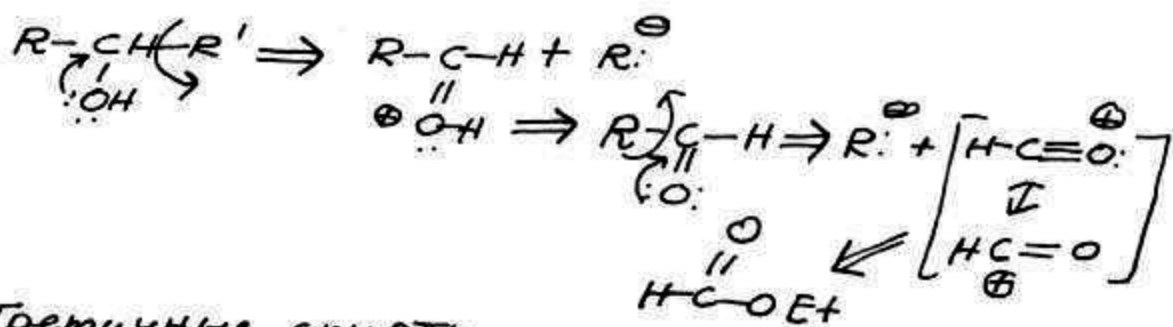
Вторичные спирты.



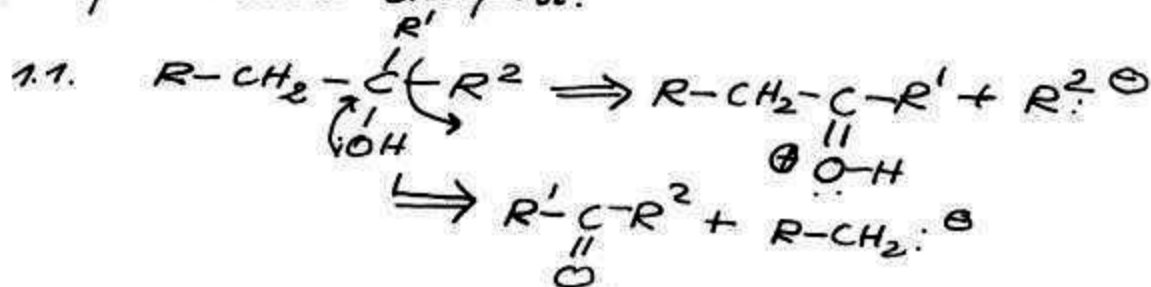
Проблема энантиоселективности.



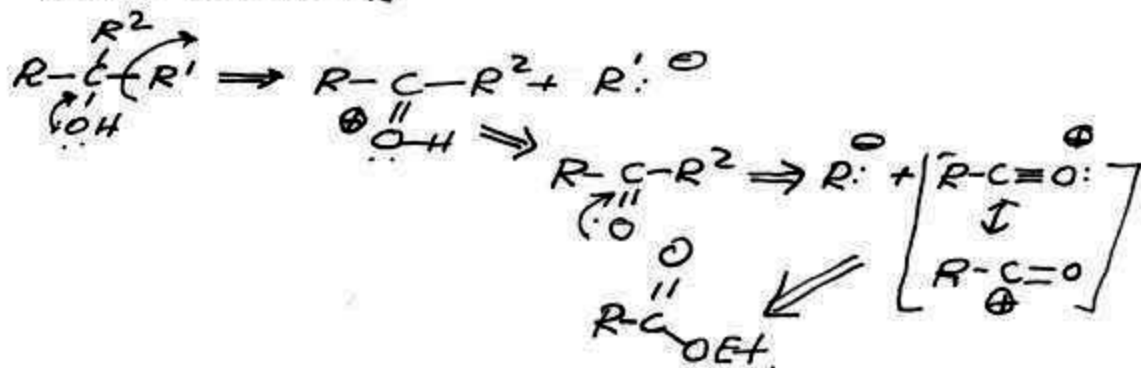
1.3. Если $R = R'$



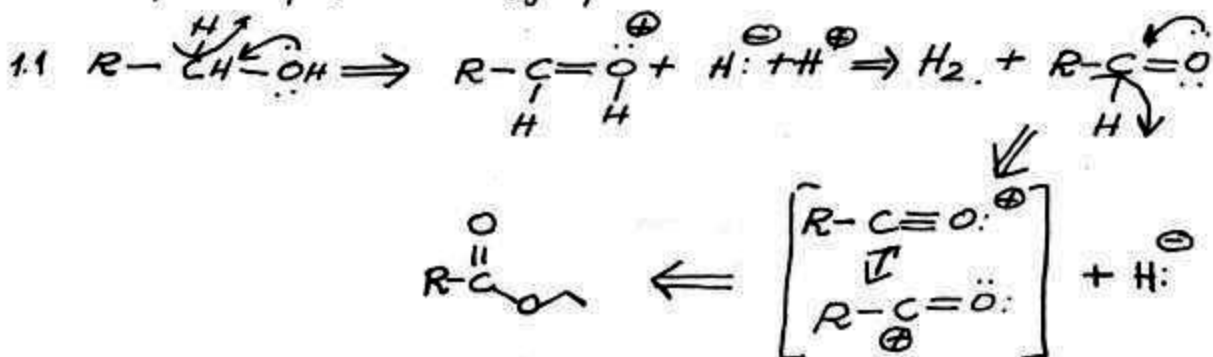
Третиичные спирты.



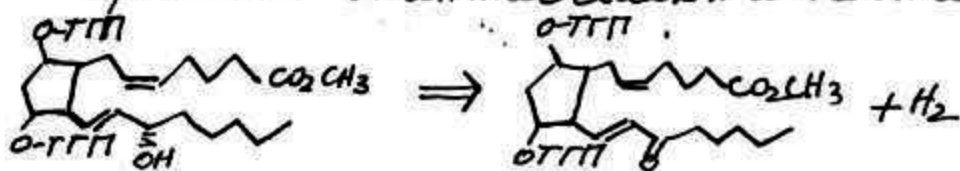
1.2. $E_{\text{см}} R = R' = R^2$

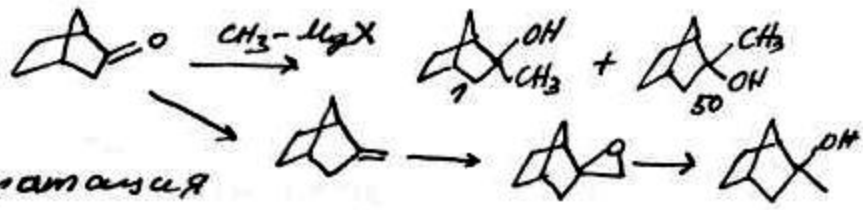
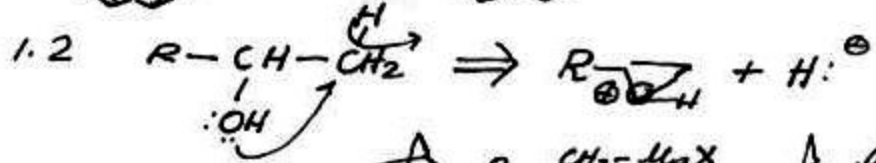


2. Трансформирование.



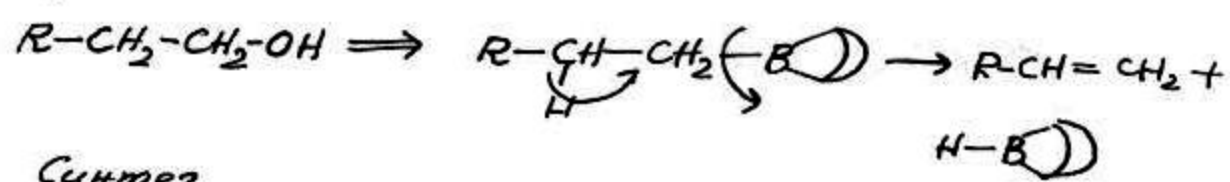
Проблема энантиоселективности



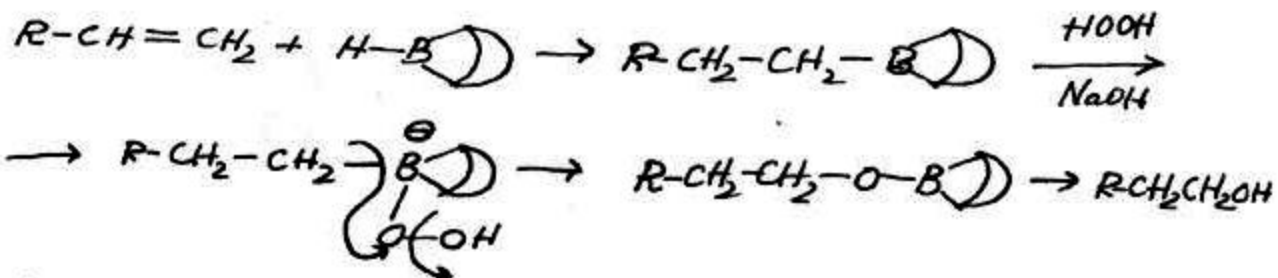


3. Трансформации гидратации

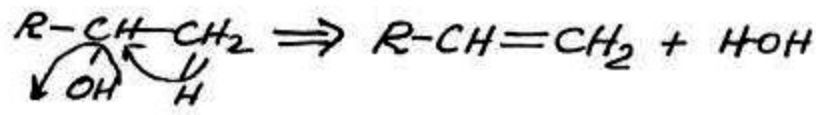
Первичные спирты



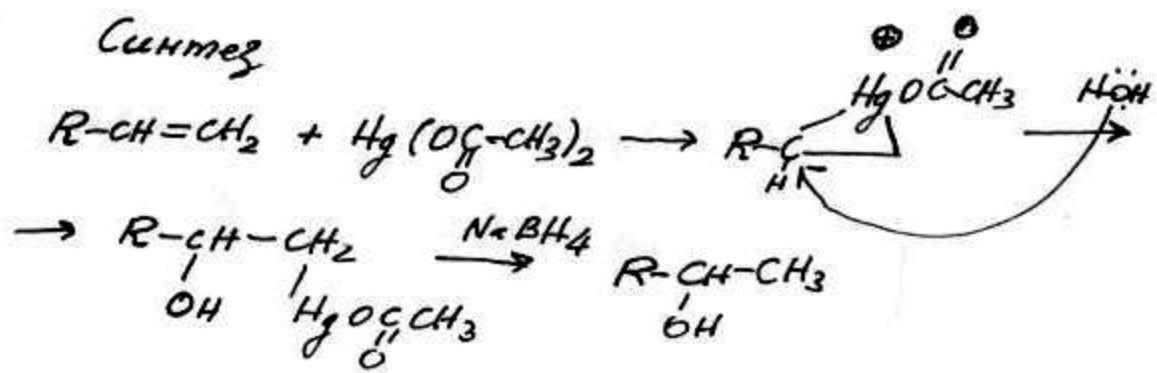
Синтез



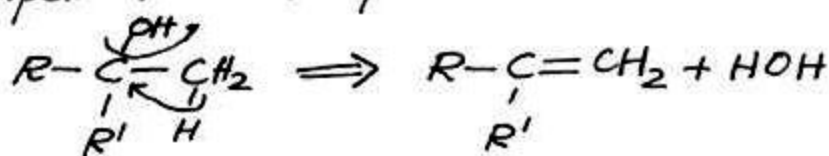
Вторичные спирты



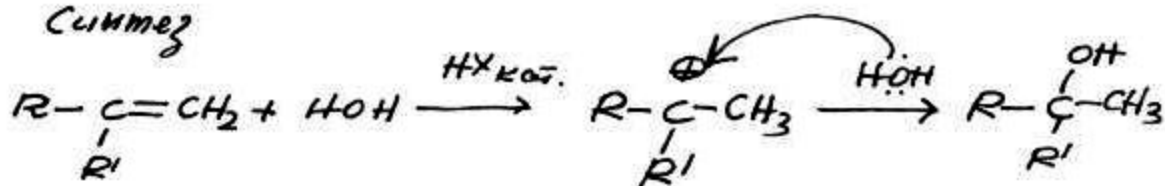
Синтез



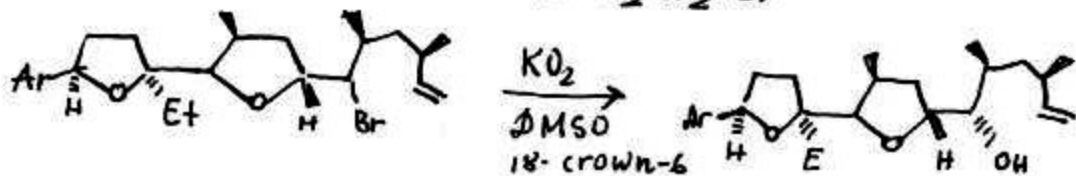
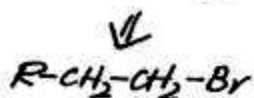
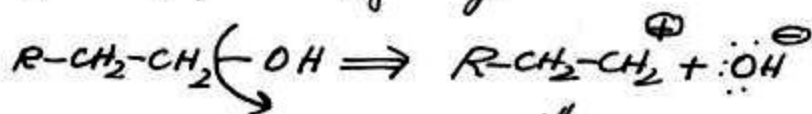
Третиичные спирты



Синтез

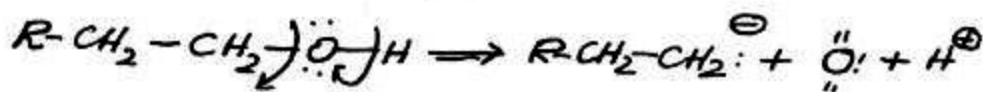


4. Трансформы гидролиз

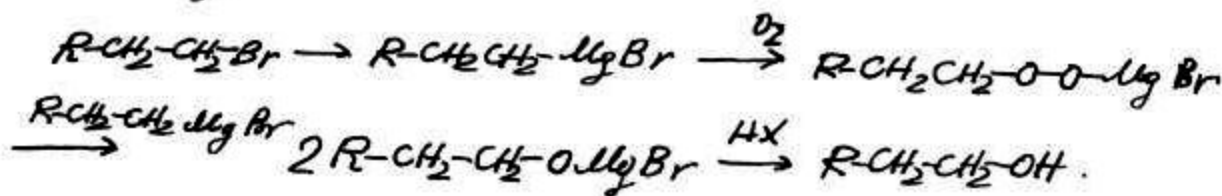


CTS, 203.

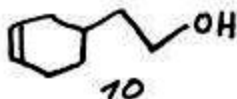
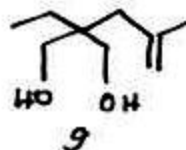
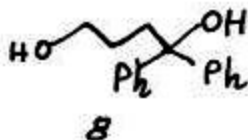
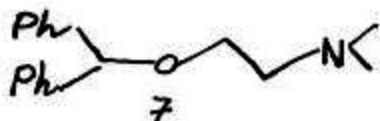
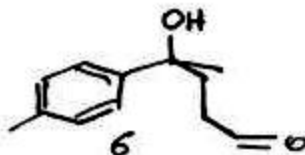
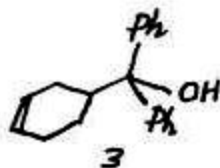
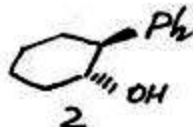
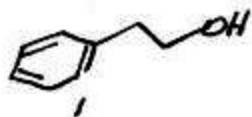
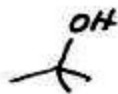
5. Трансформы Гриньяра



Синтез



Задачи по теме

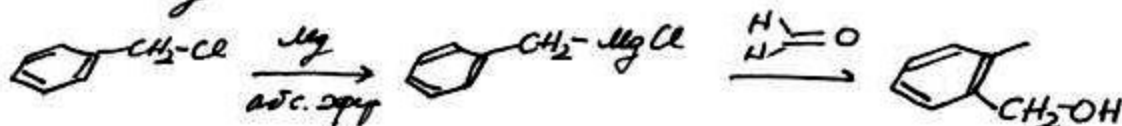


Ответы:

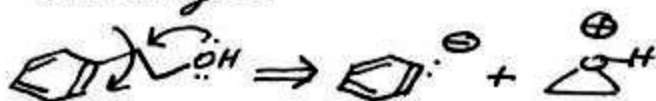
1. Анализ 1



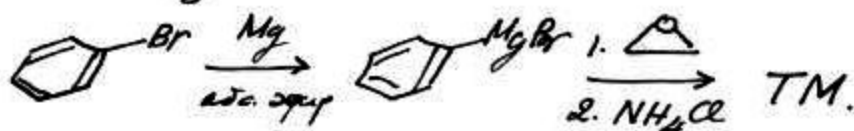
Синтез



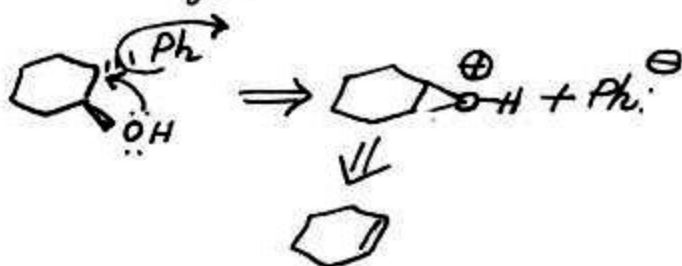
Анализ 2.



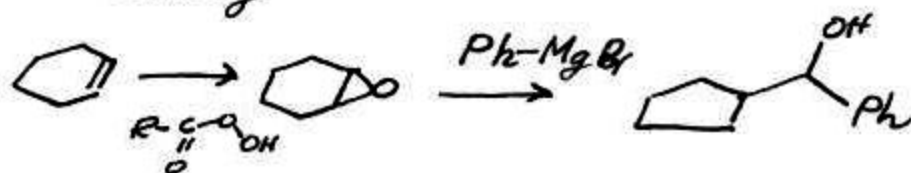
Синтез



2. Анализ 1

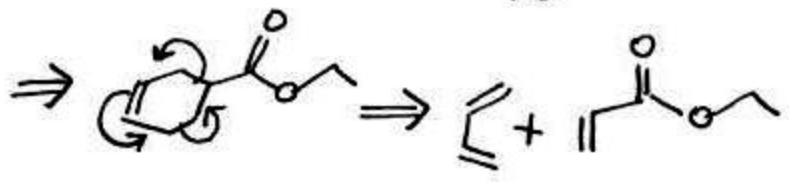
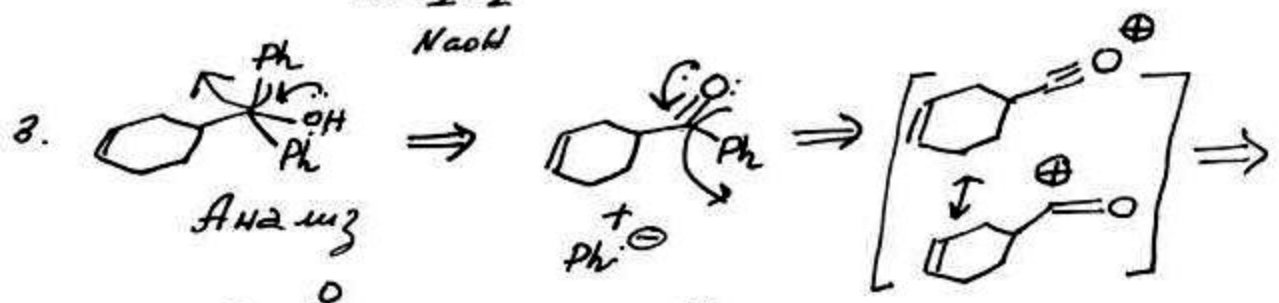
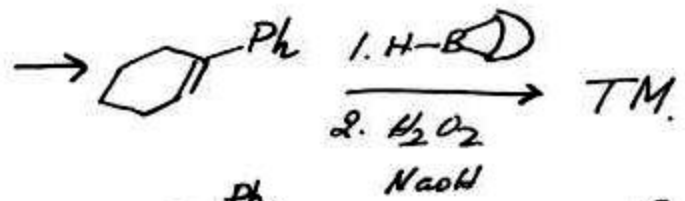
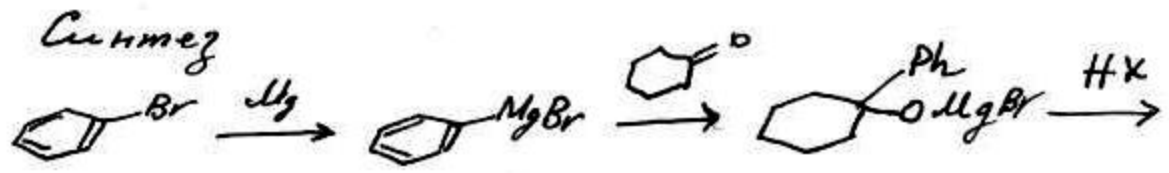
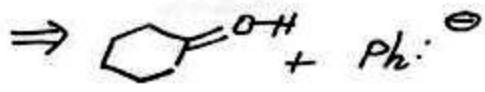


Синтез

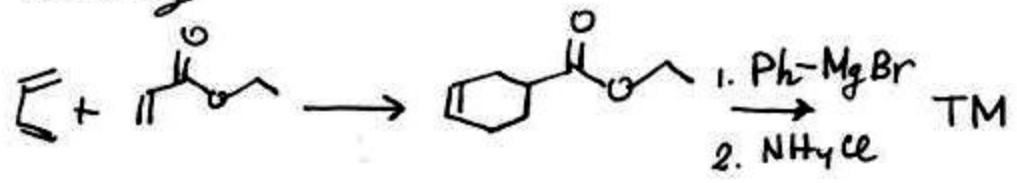


Анализ 2

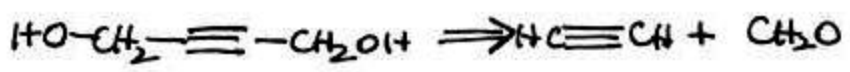
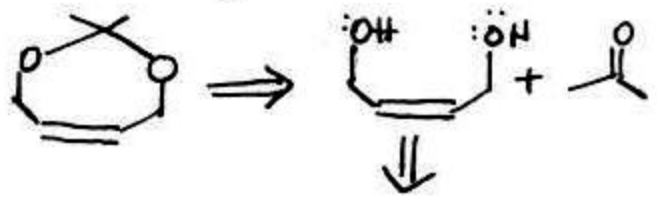




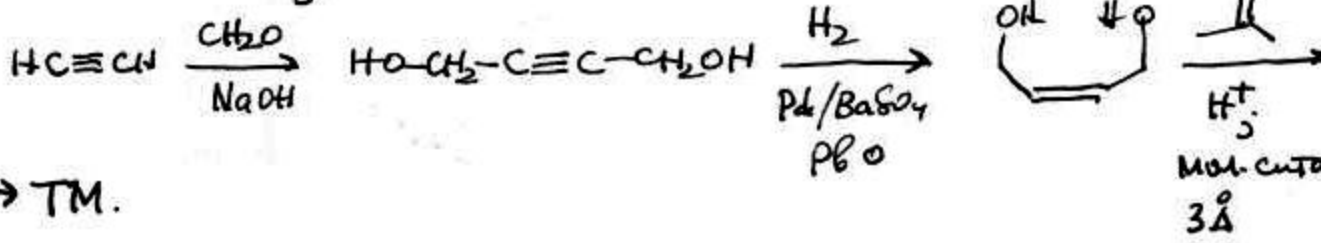
Синтез



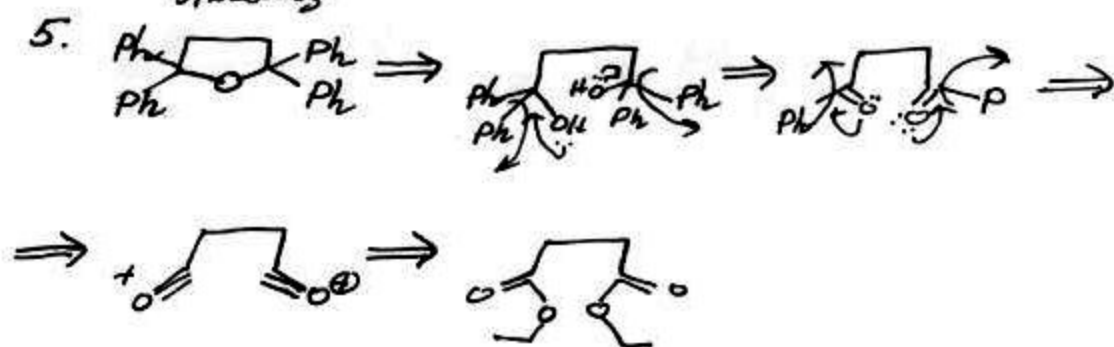
4. Анализ



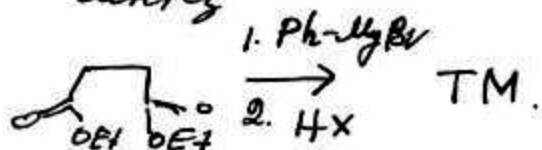
Синтез



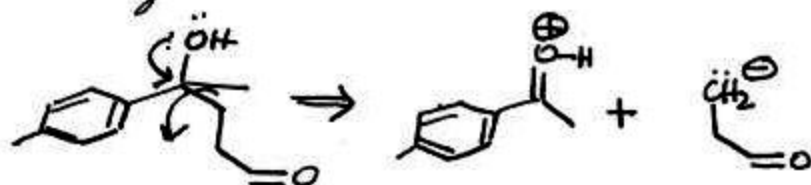
Анализ



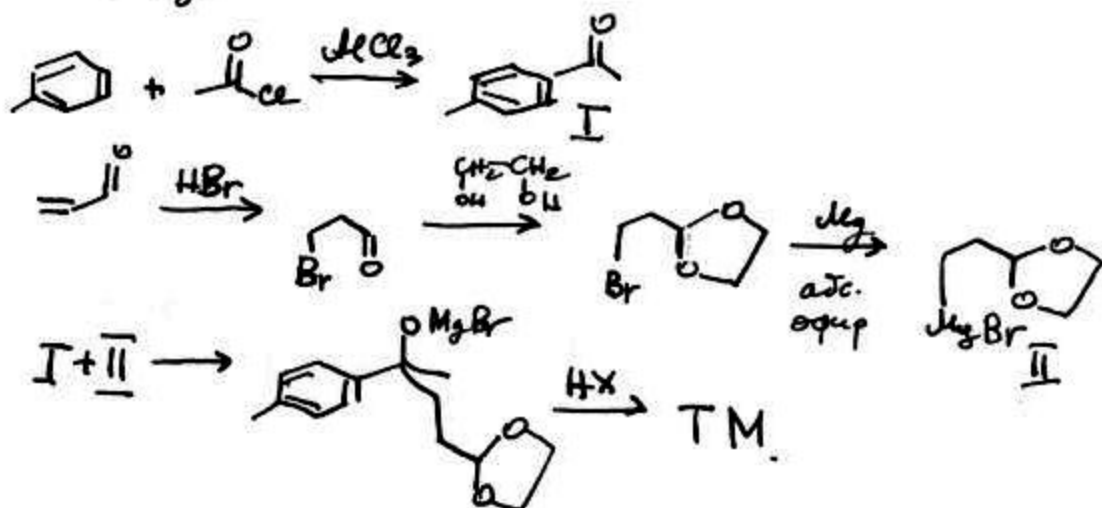
Синтез



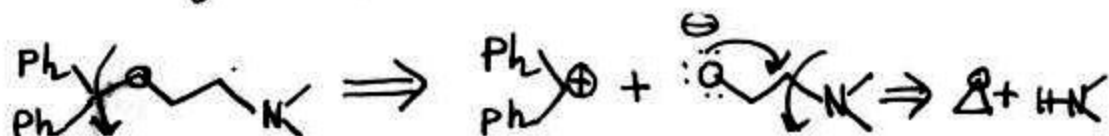
6. Анализ



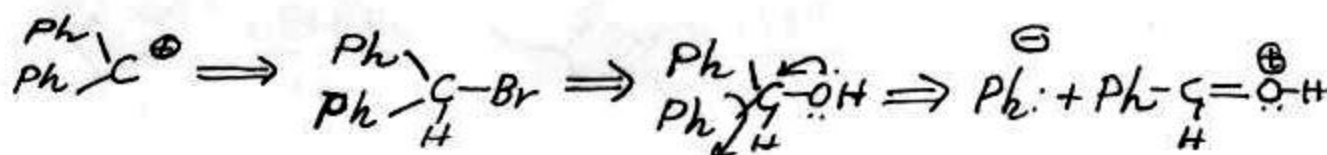
Синтез



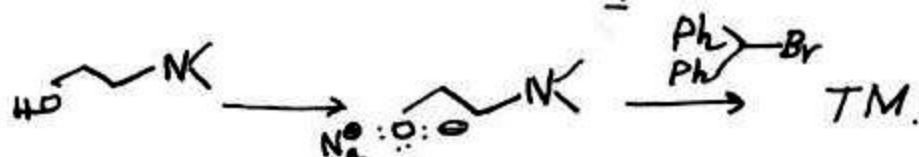
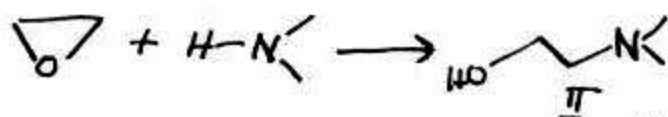
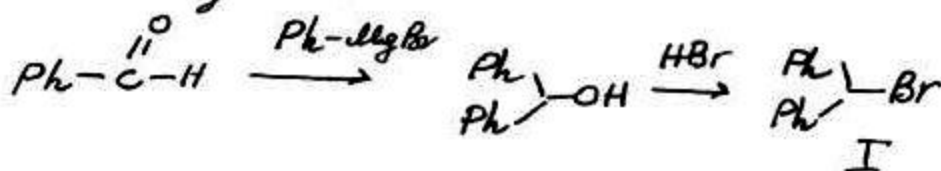
7. Анализ



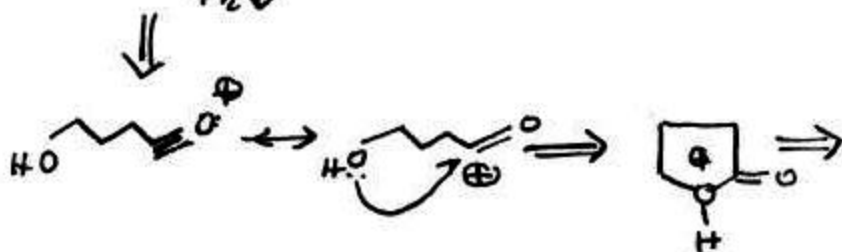
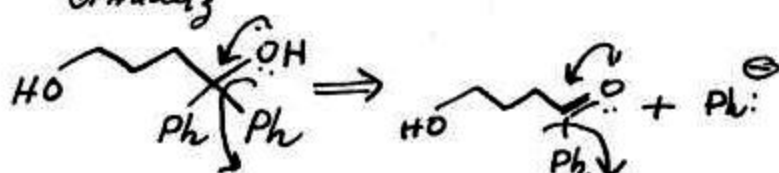
9.



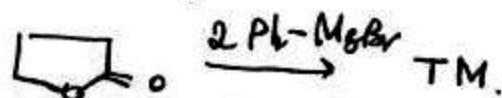
Синтез



в. Анализ

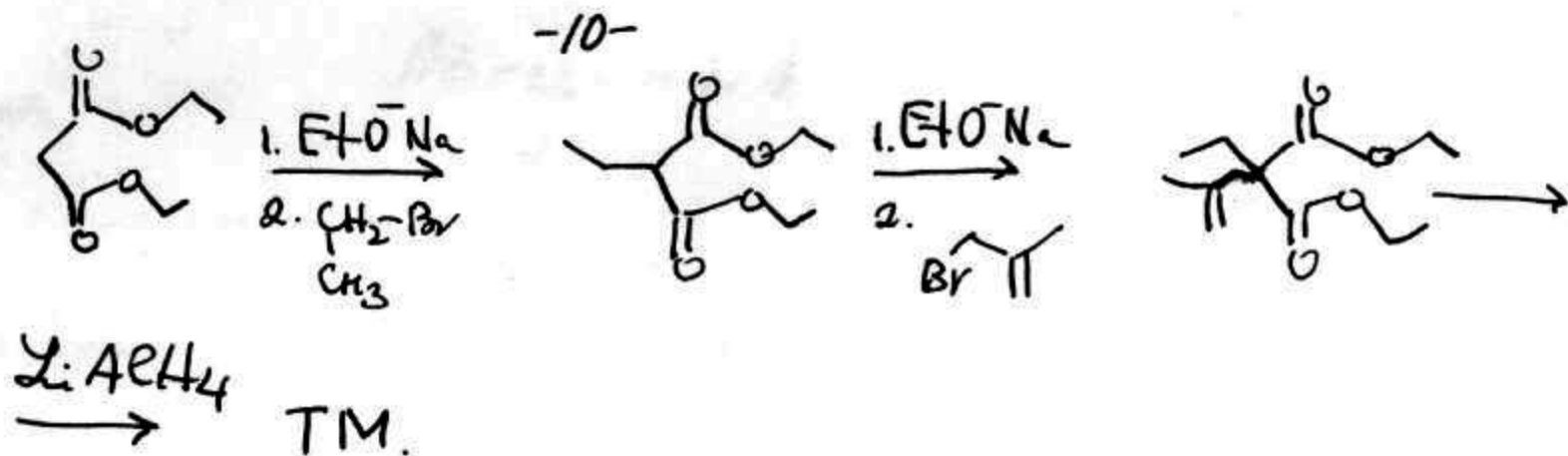


Синтез

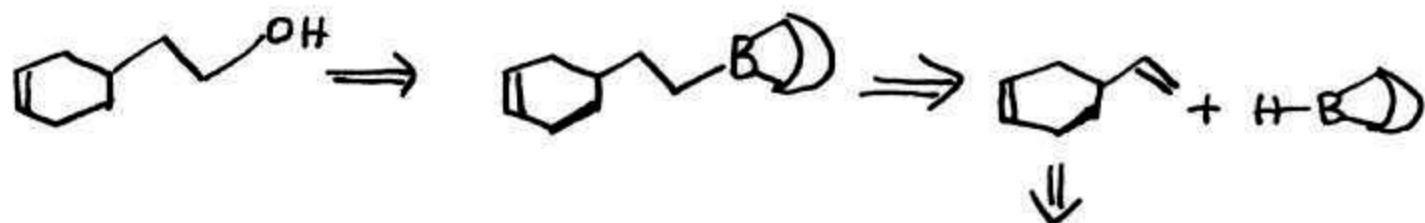


9. Анализ





10. Анализ



Синтез

