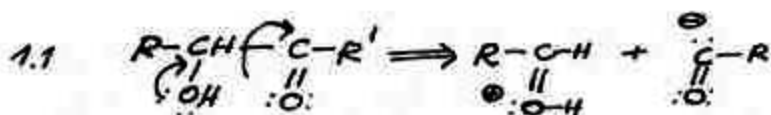
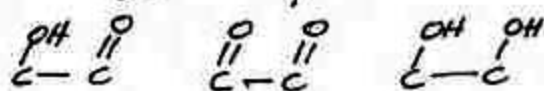
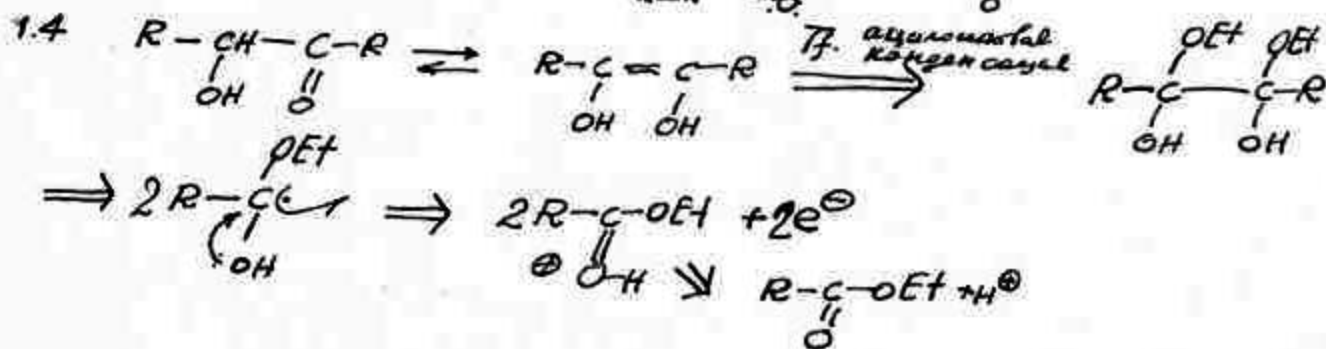
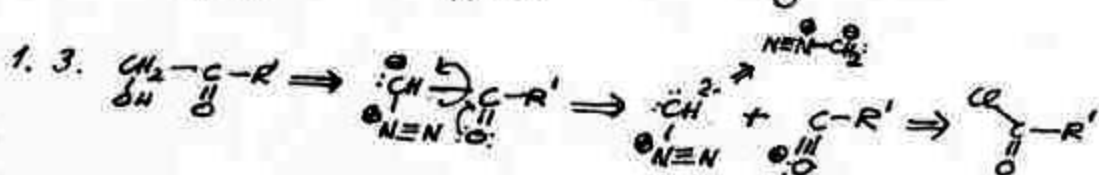
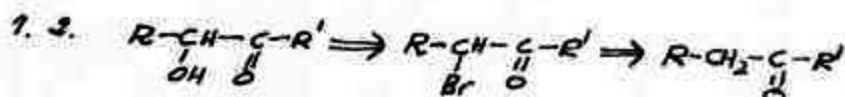
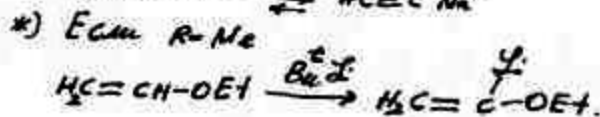
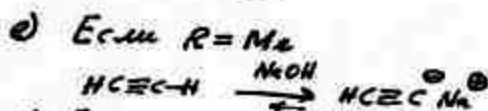
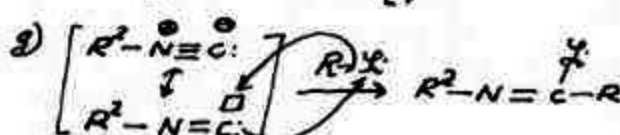
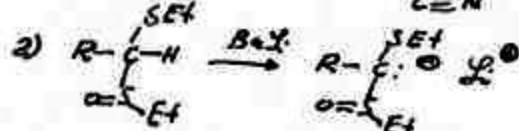
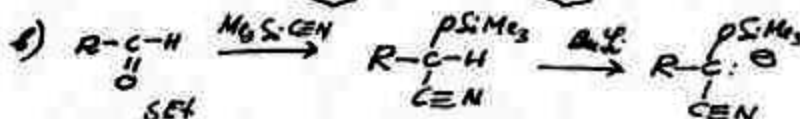
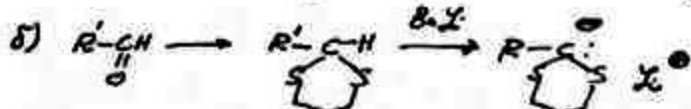
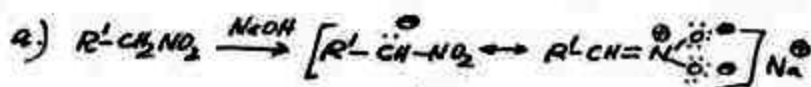


# Лекция №7.

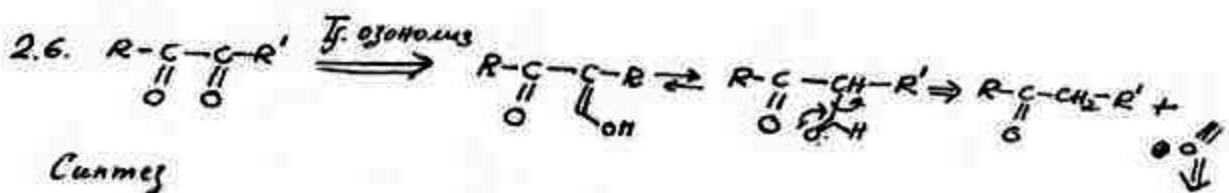
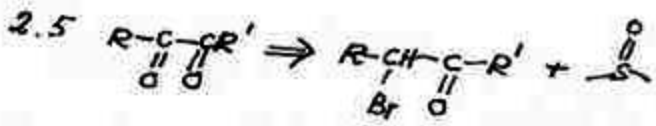
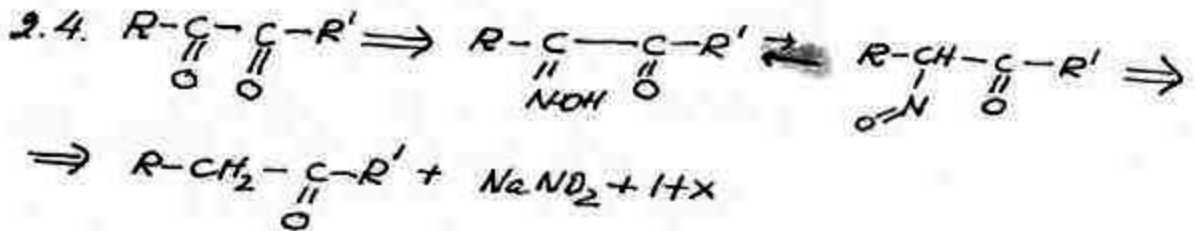
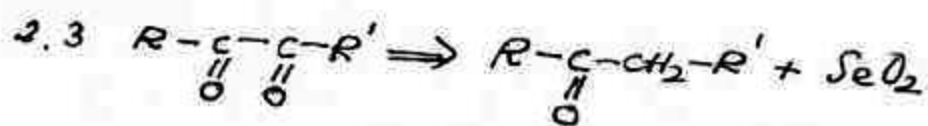
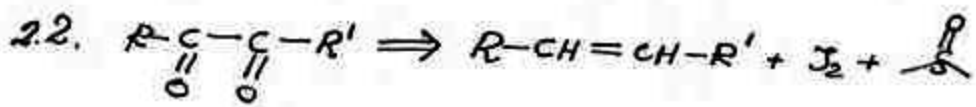
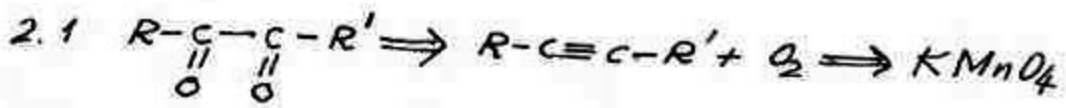
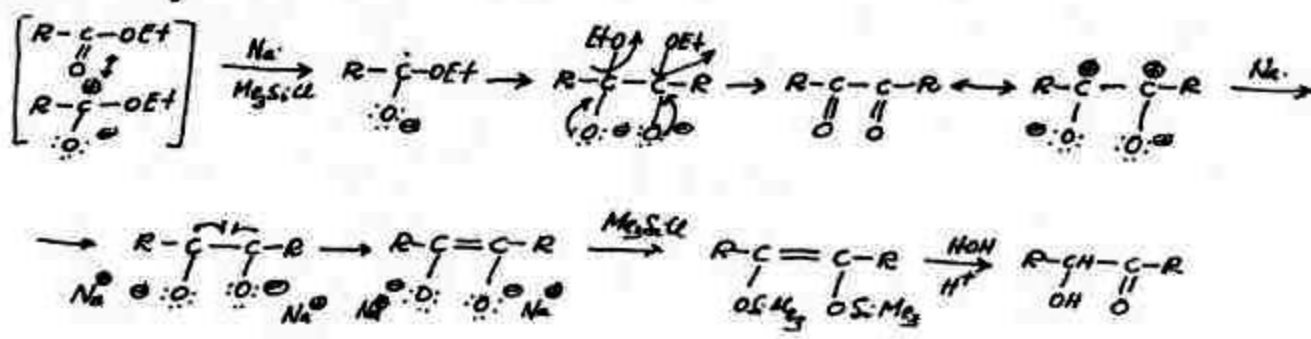
## 1,2-Ретроны



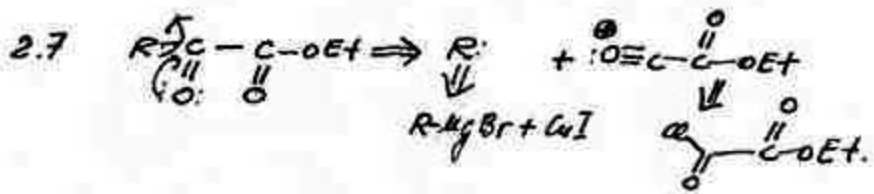
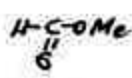
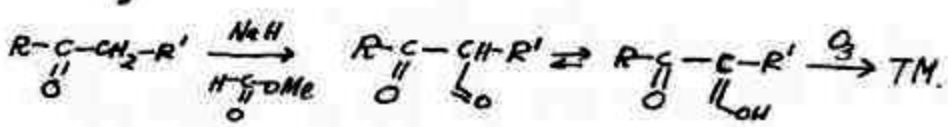
Синтетические эквиваленты сиктона



Cumme

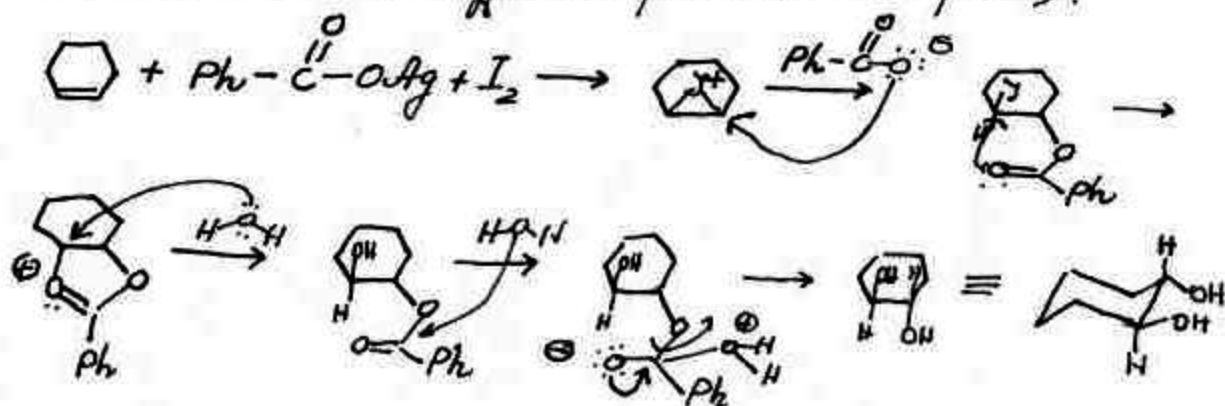


Cumme

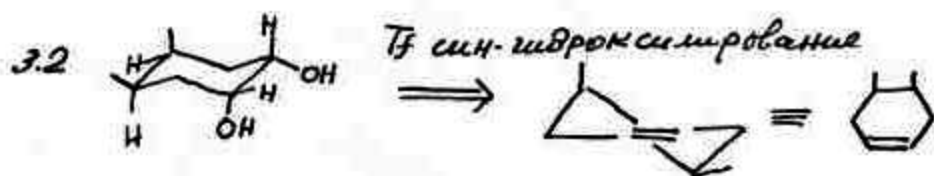
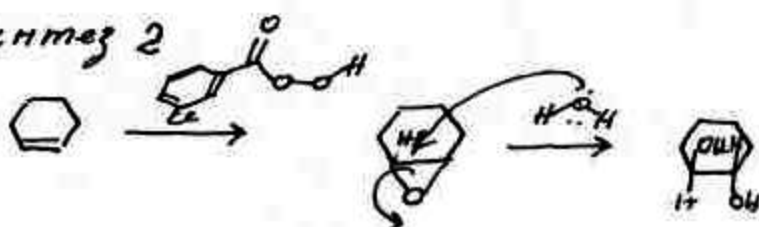




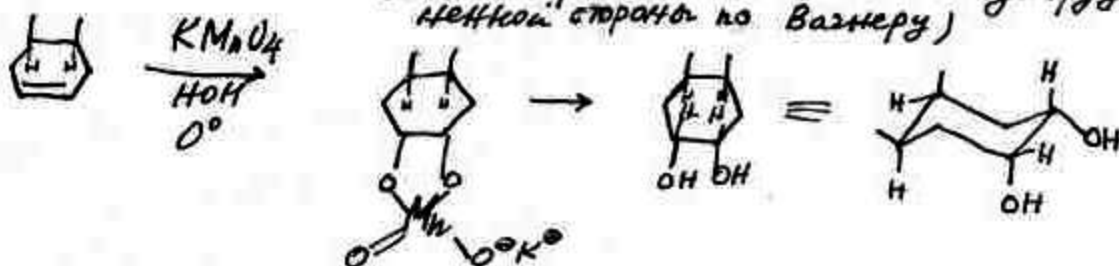
Синтез 1 (анти-гидроксилирование по Прево).



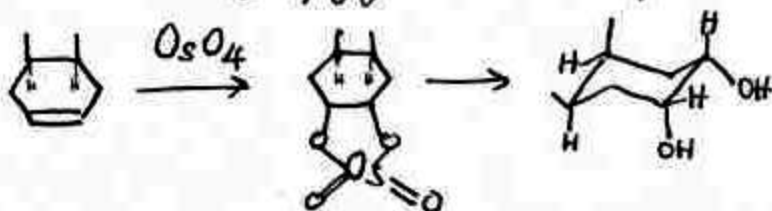
Синтез 2

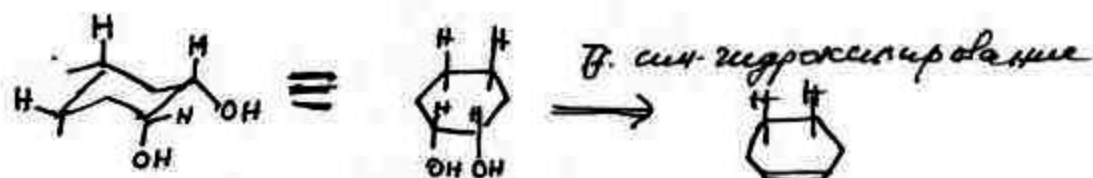


Синтез 1 (син-гидроксилирование с наименее затрудненной стороны по Вагнеру)

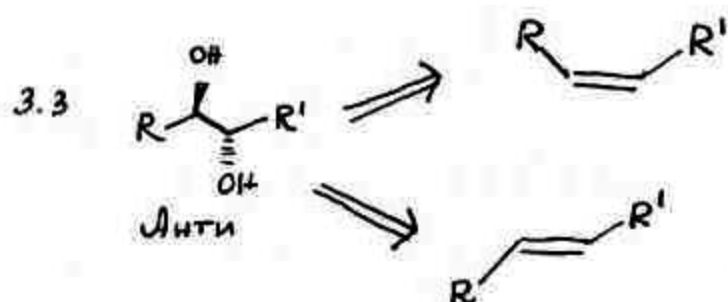
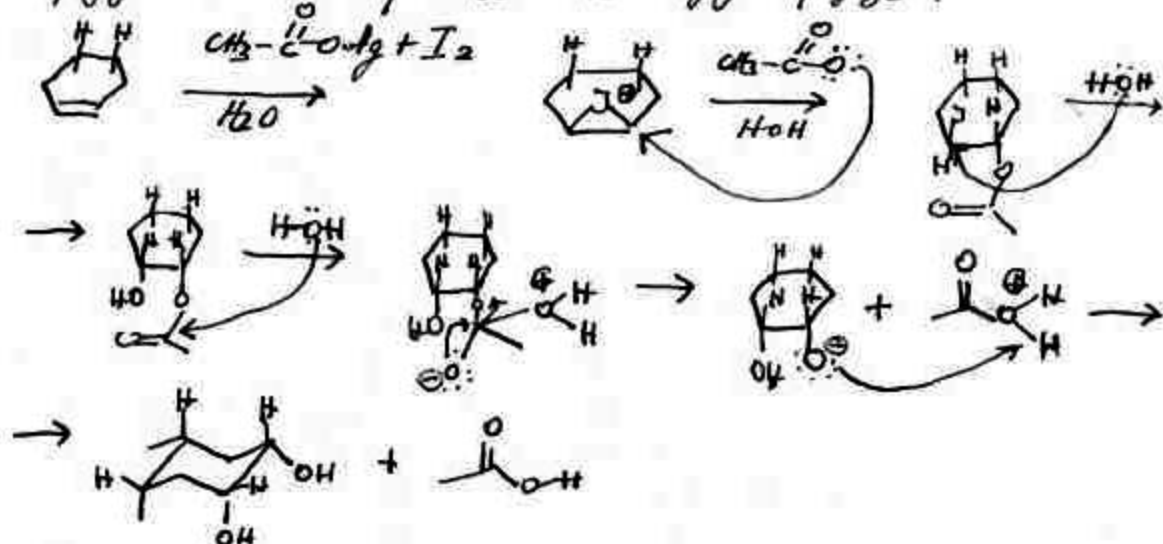


Синтез 2 (син-гидроксилирование с наименее затрудненной стороны по Криге)

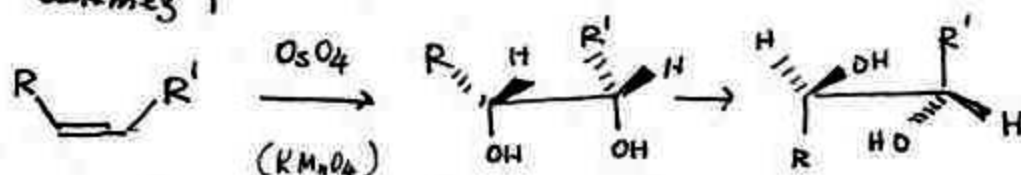




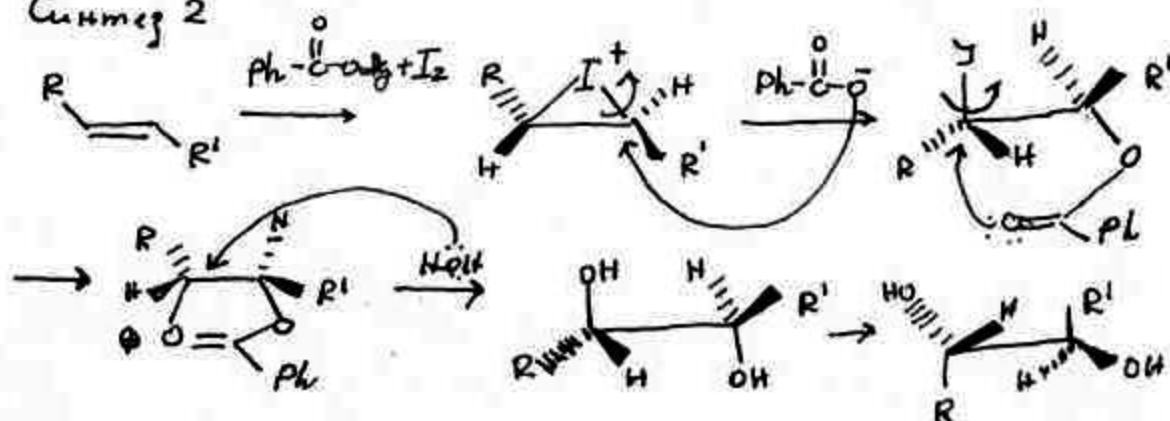
Синтез (син-гидроксилирование с наименее затрудненной стороны по Вудварду).

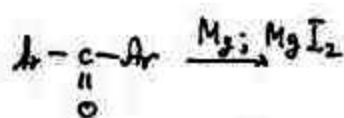
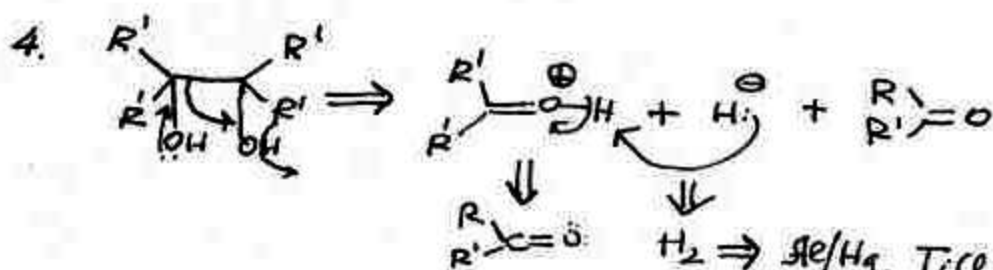
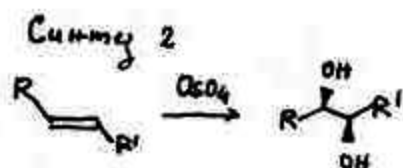
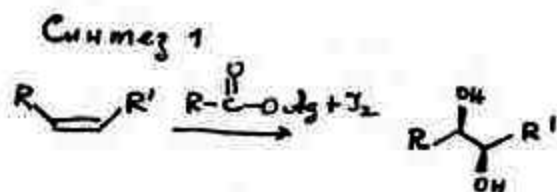
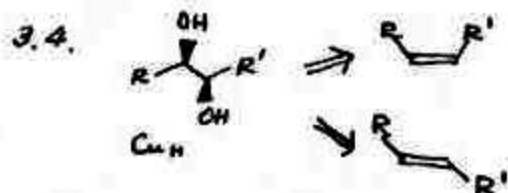


Синтез 1



Синтез 2

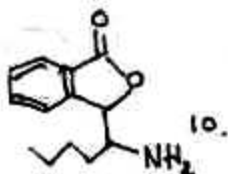
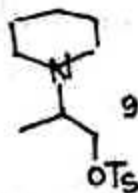
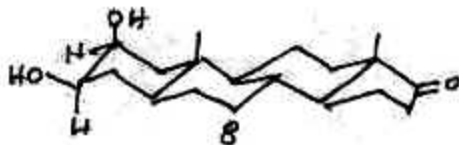
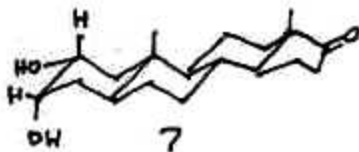
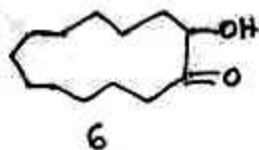
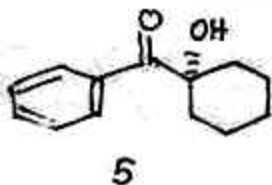
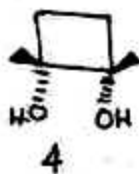
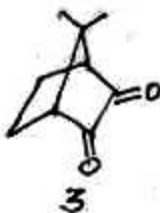
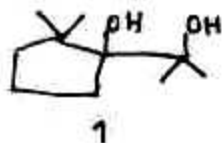


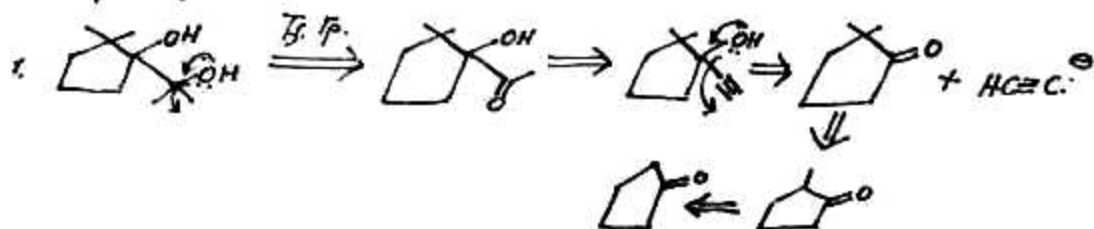


Гаттерман-Бауманн.

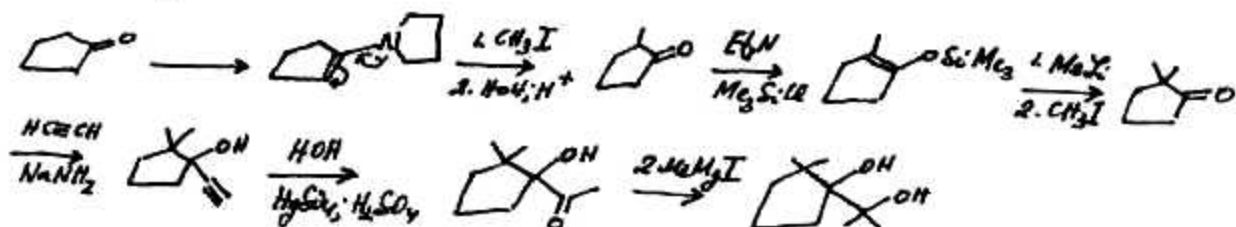
$\text{H}_2 \Rightarrow \text{Ar/H}_2, \text{TiCl}_2 (\text{TiCl}_4 + \text{Mg/H}_2, 0^\circ; \text{ТГФ}).$

Задачи

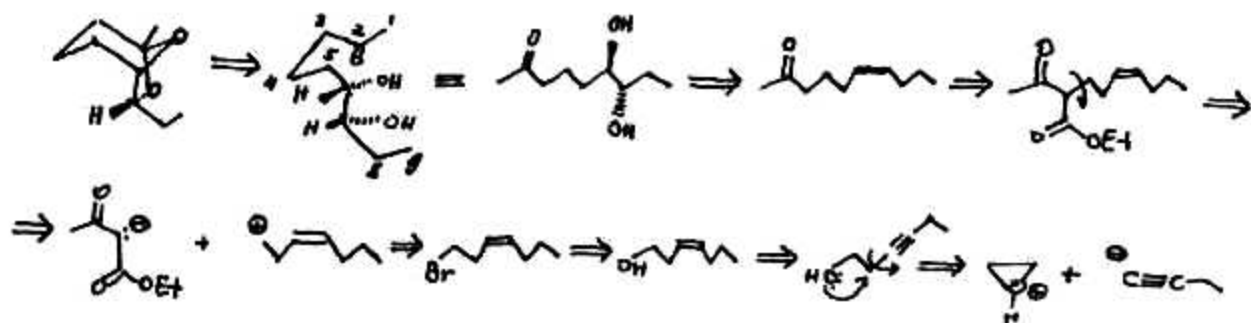




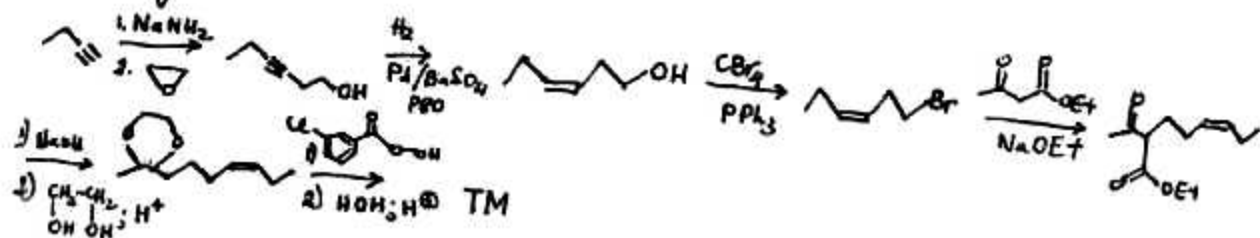
## Синтез



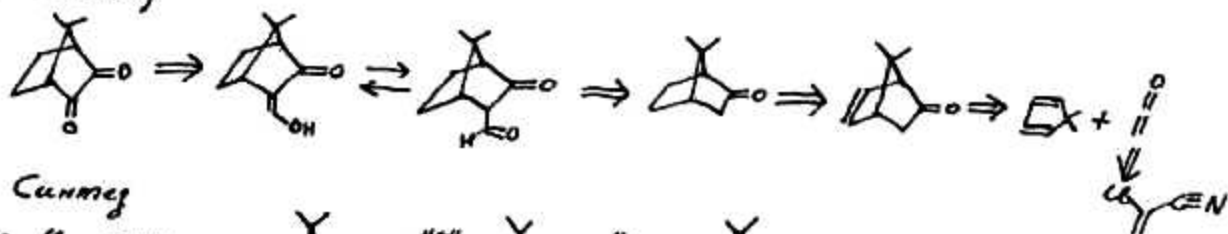
## 2. Анализ



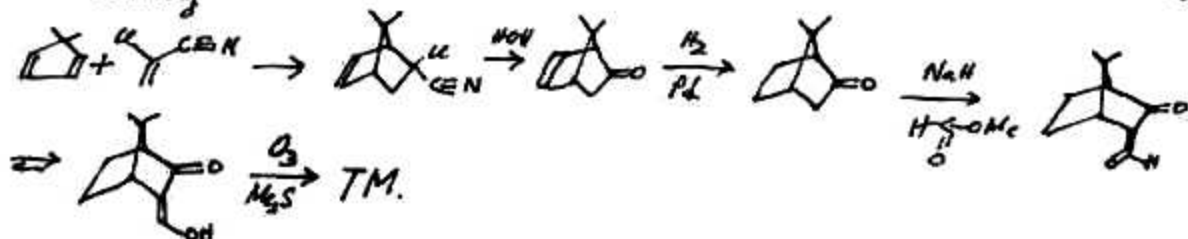
### Синтез

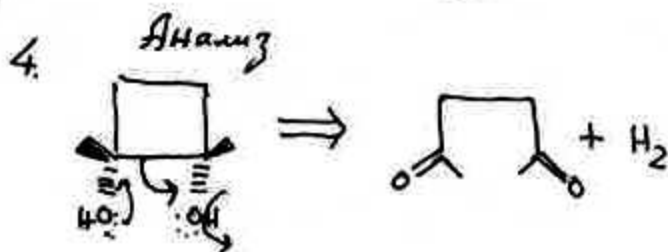


### в. Анализ

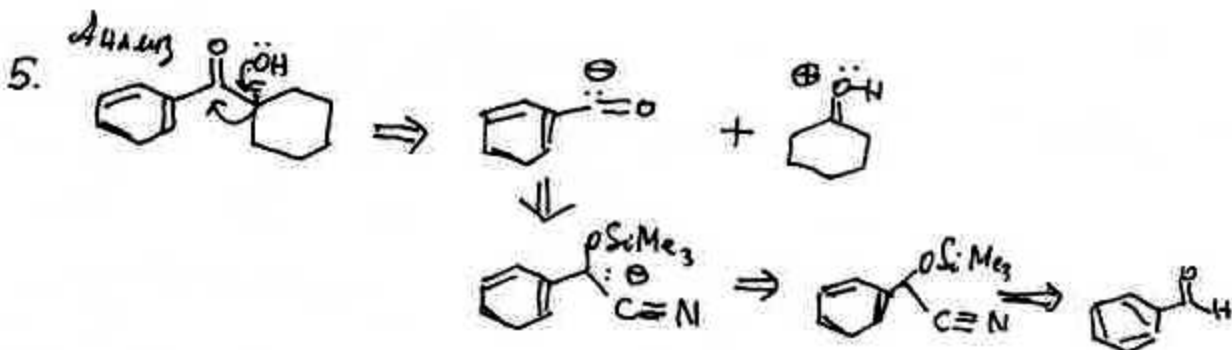
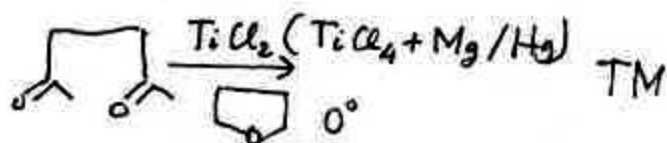


Синтез





Синтез



6. Анализ

