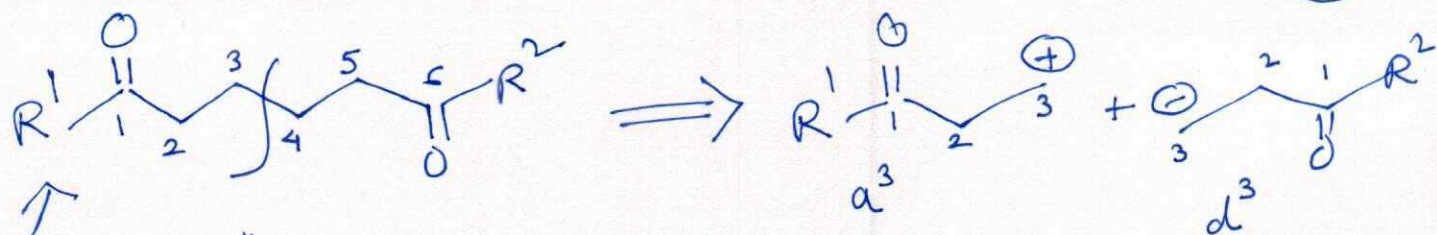
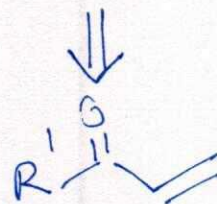
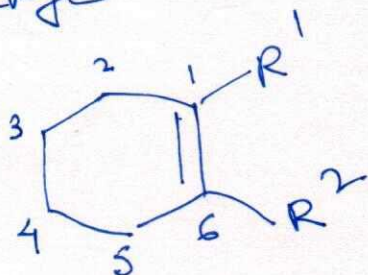


# 1,6-Di functionalized compounds:

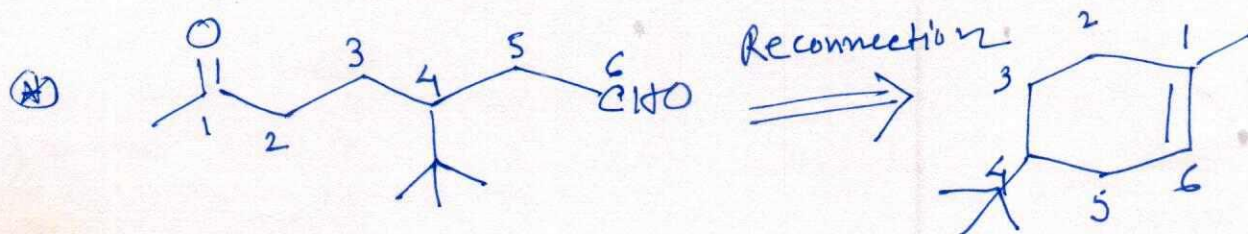
(64)



oxidative cleavage  $\downarrow$  Reconnection

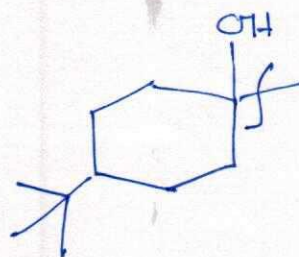
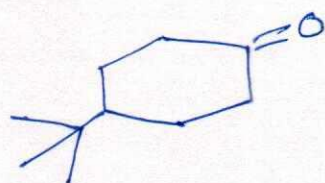


No readily available SE

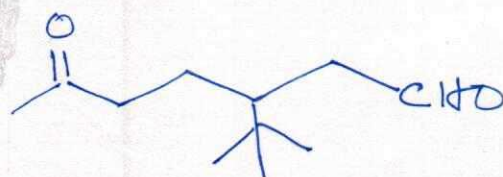
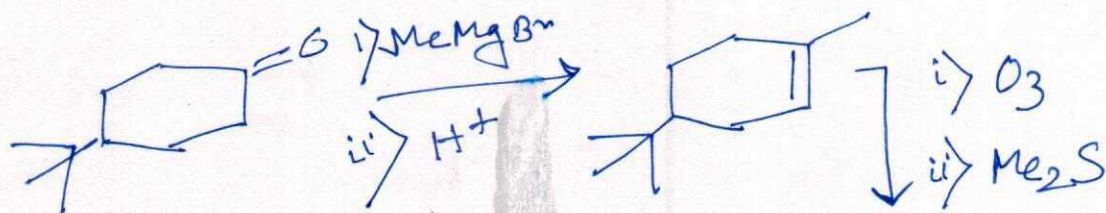


$\downarrow$  FGI

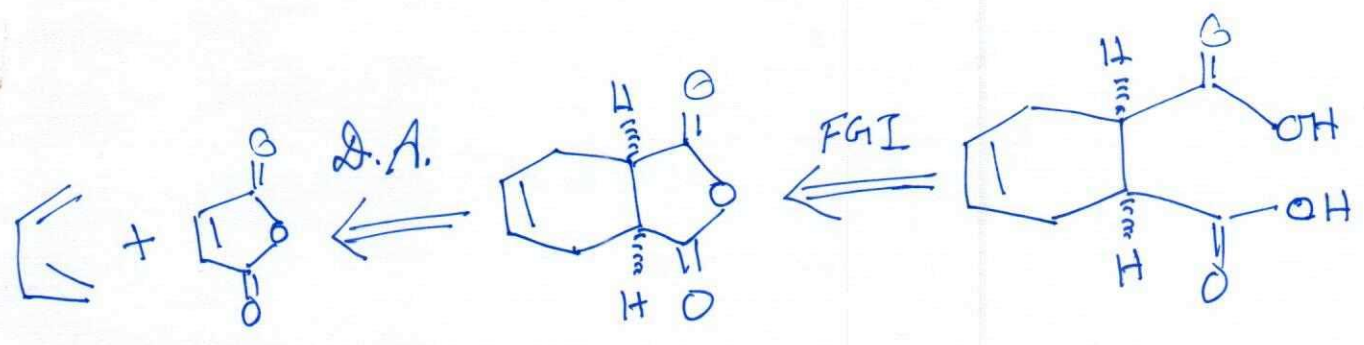
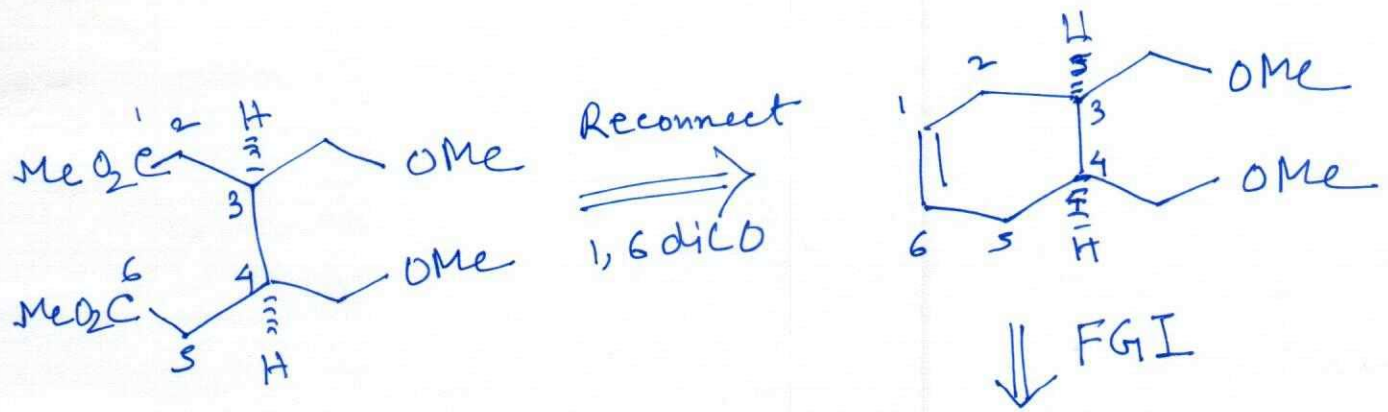
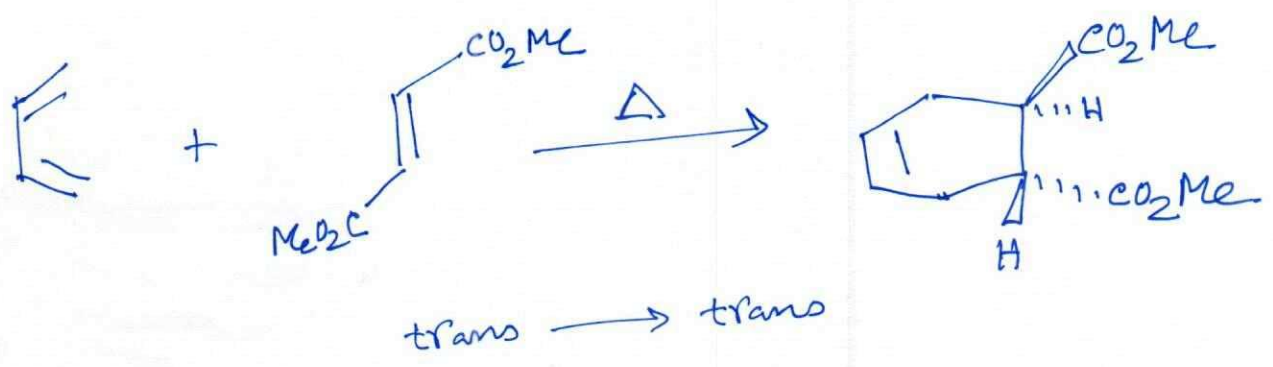
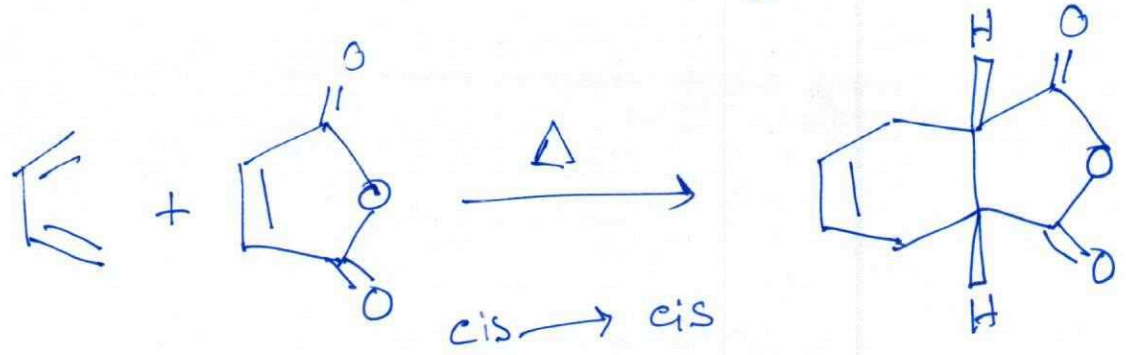
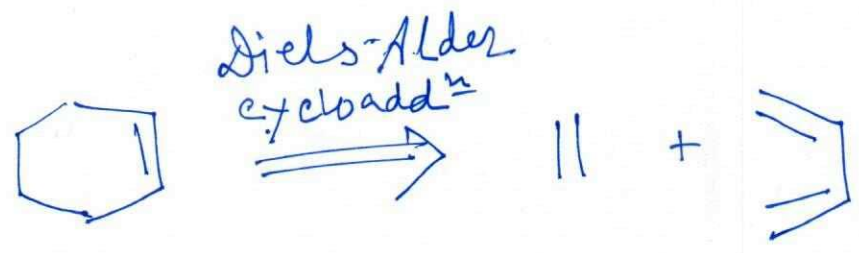
MeMgBr +



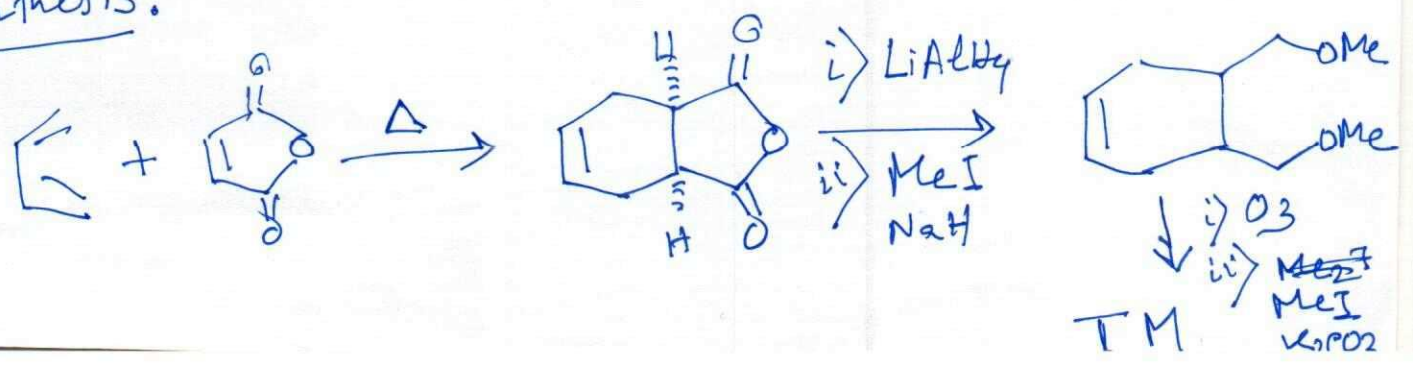
Synthesis:



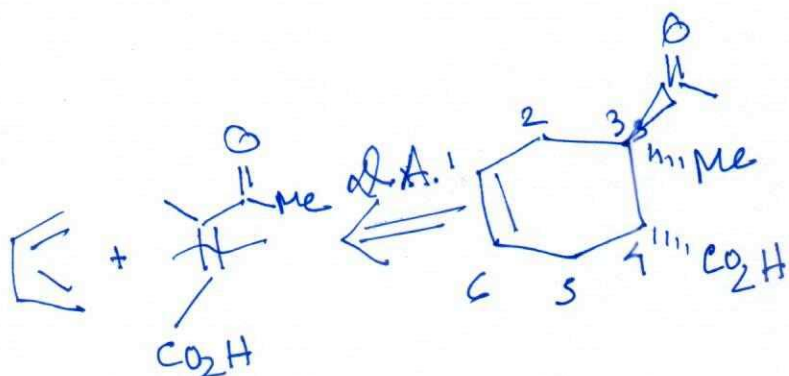
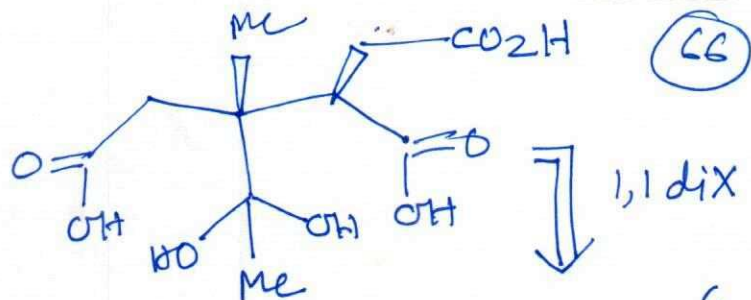
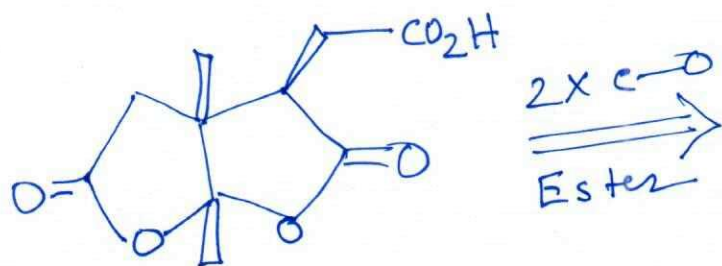
TM



Synthesis:

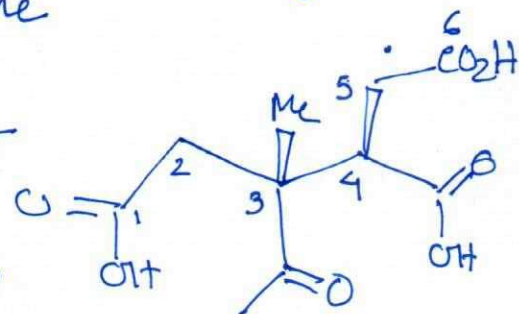




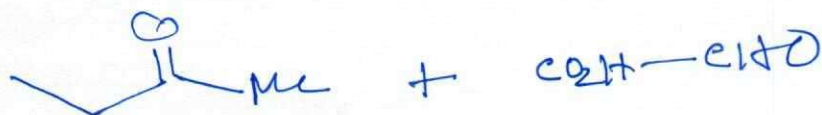


Reconnect

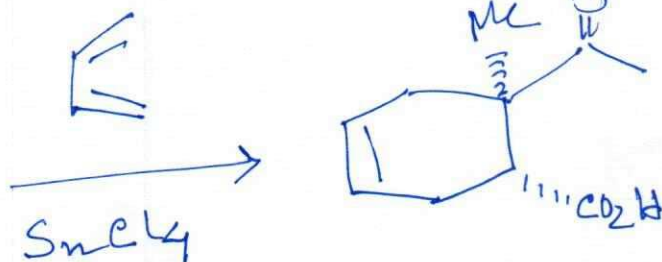
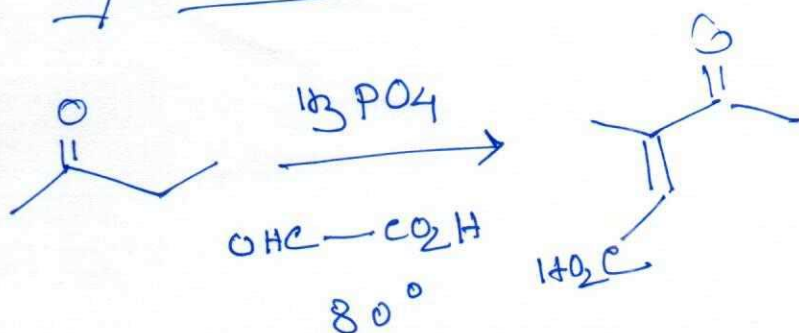
1,6 dico



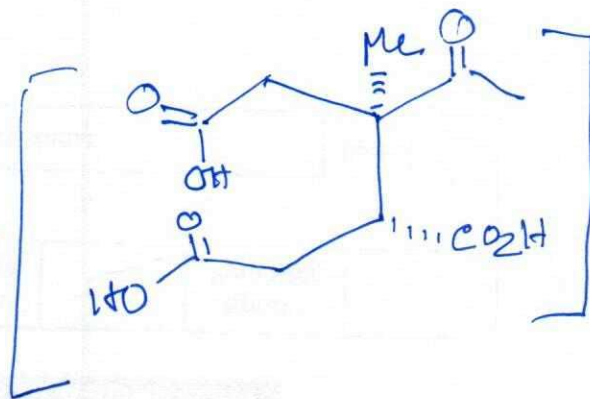
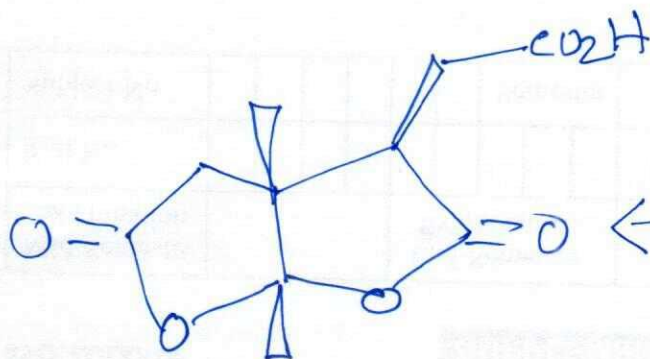
$\alpha, \beta$



Synthesis:



$\text{CrO}_3$   
 $\text{H}^+$

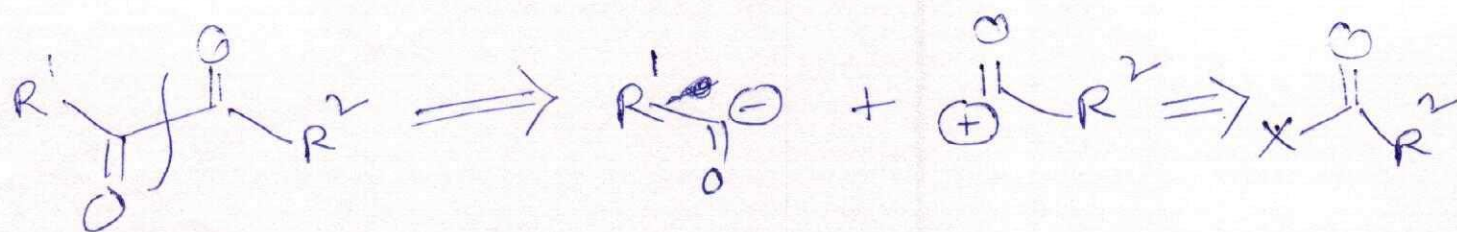




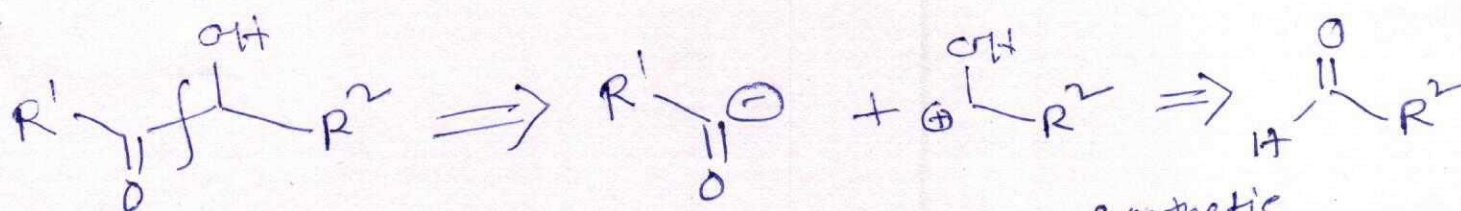


# 1,2-Difunctionalized Compounds:

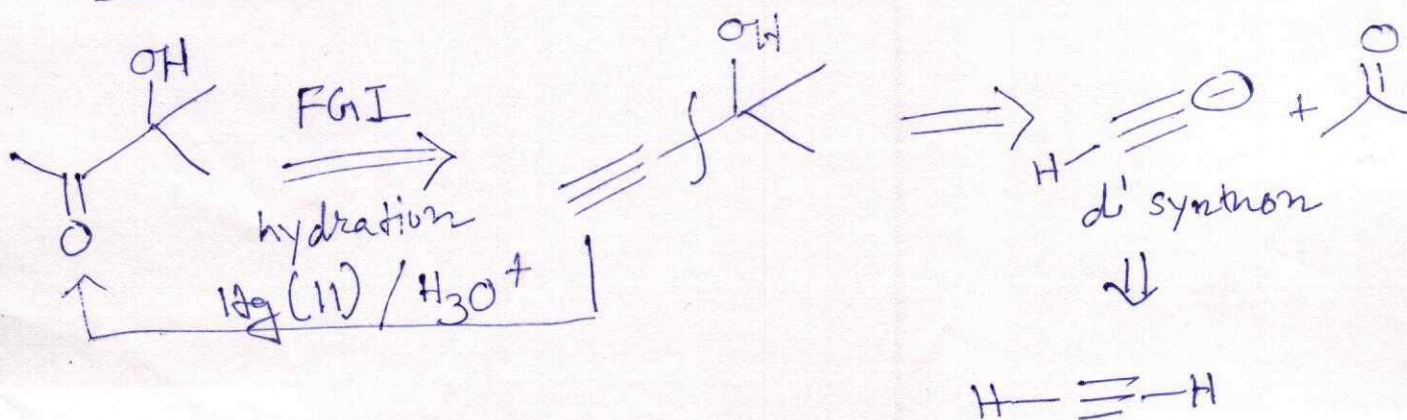
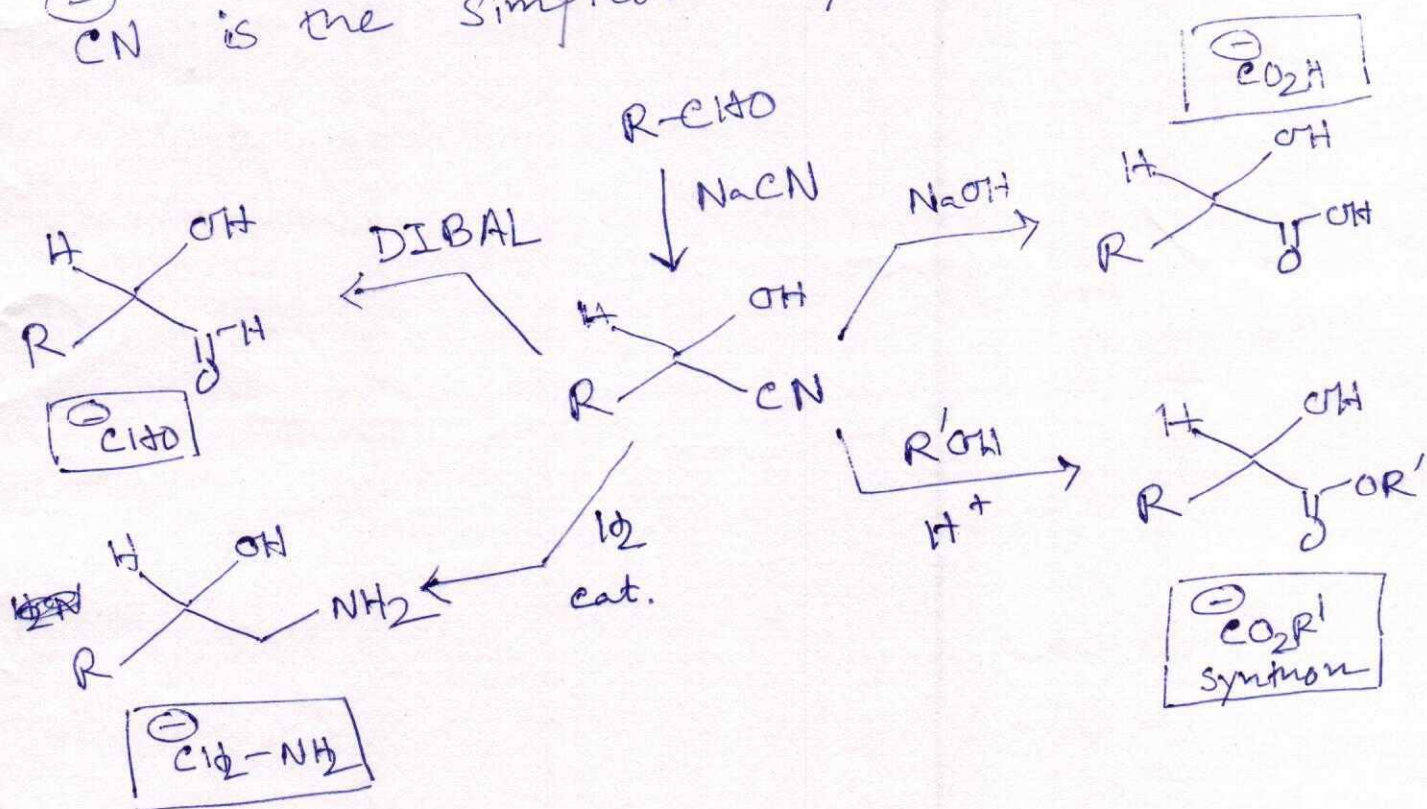
(68)



Acyl anion synthon



$^-CN$  is the simplest acyl anion, synthetic equivalent



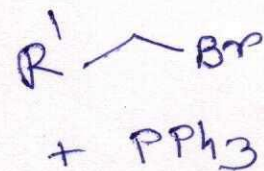
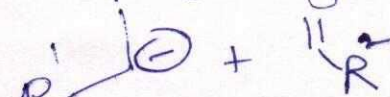
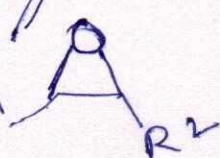
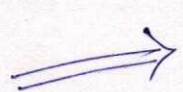
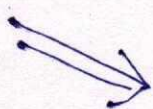
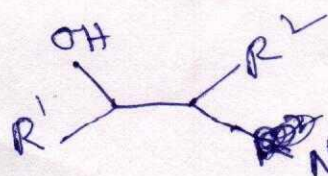
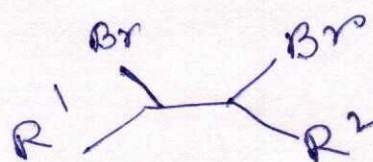
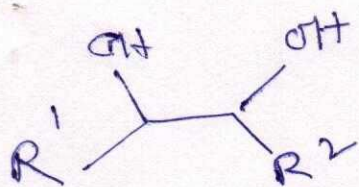
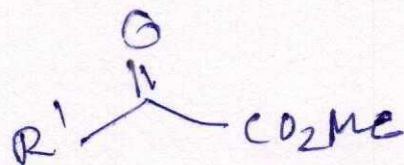
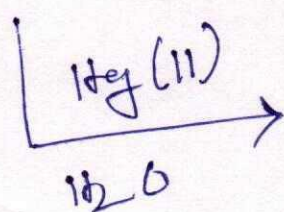
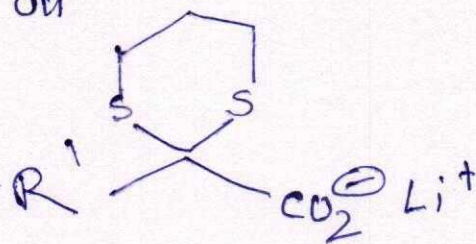
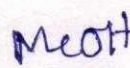
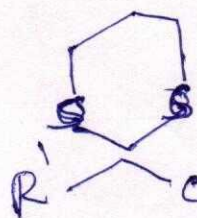
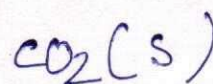
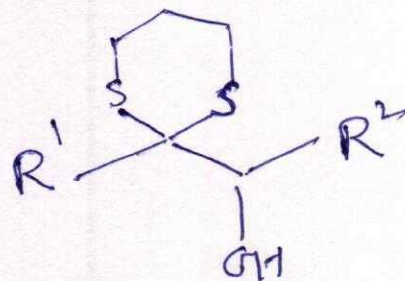
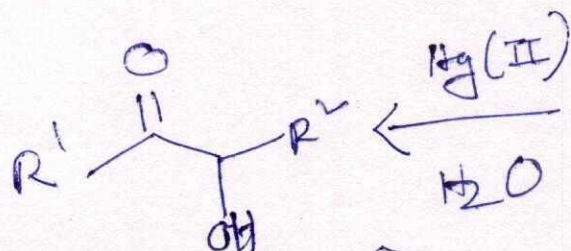
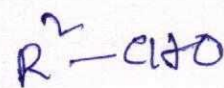
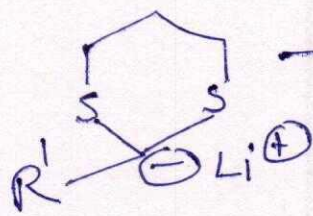
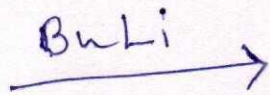
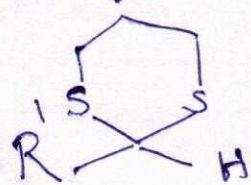
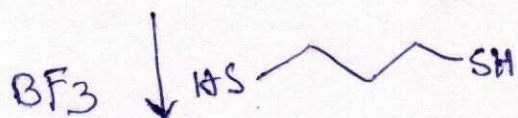
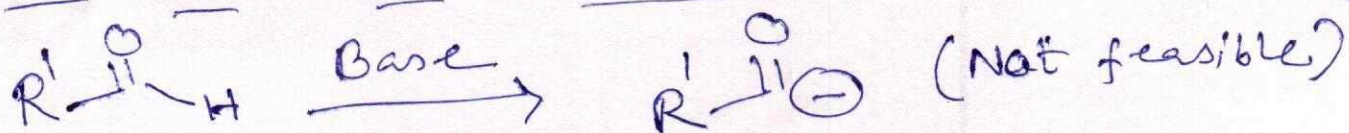






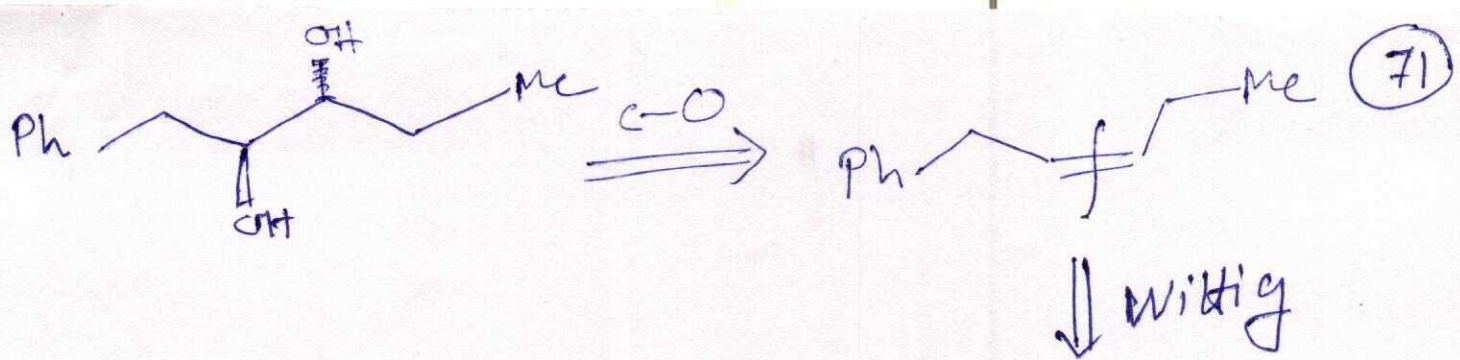
Other Acyl anion equivalent:

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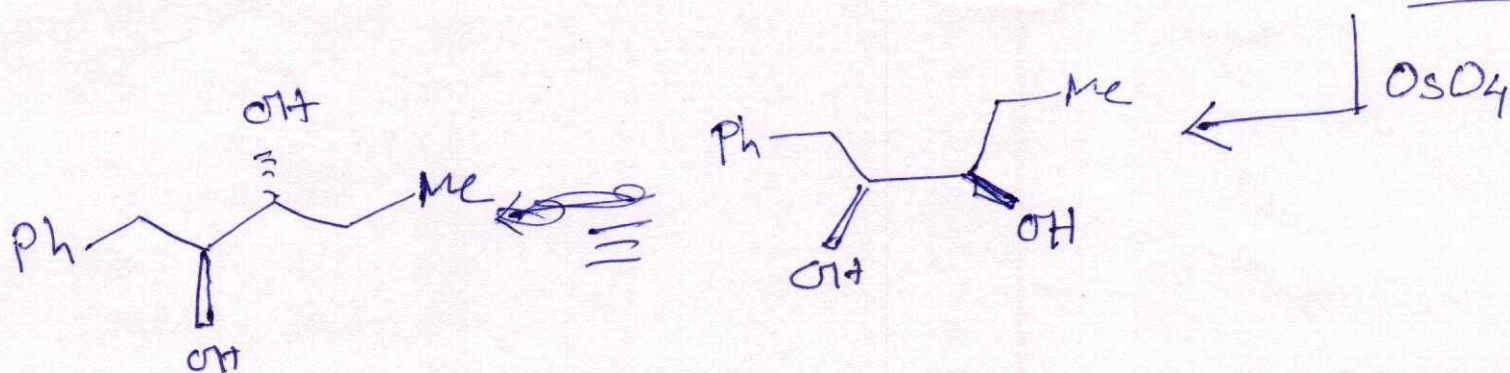
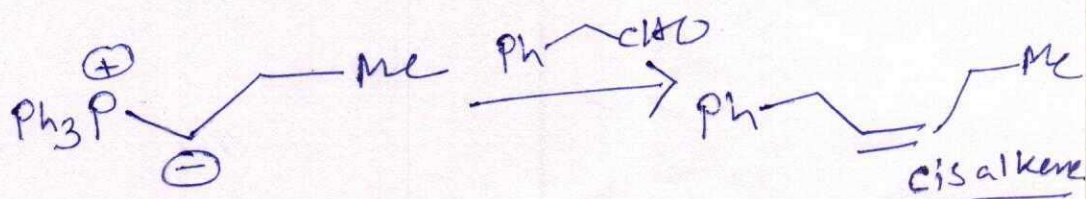
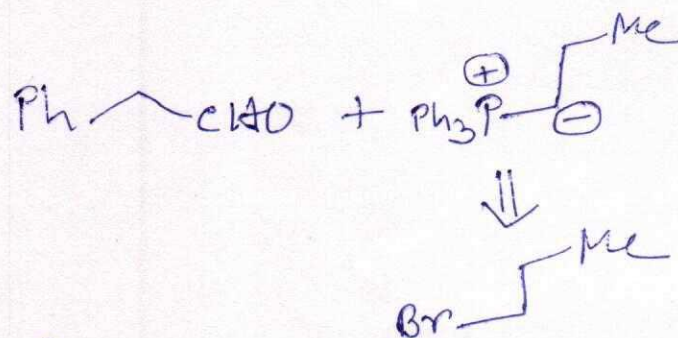
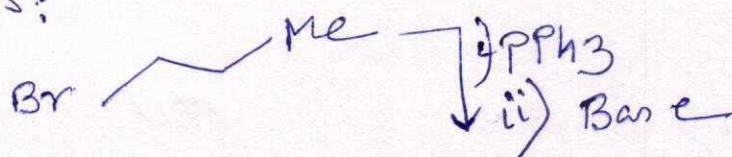


Wittig Reaction





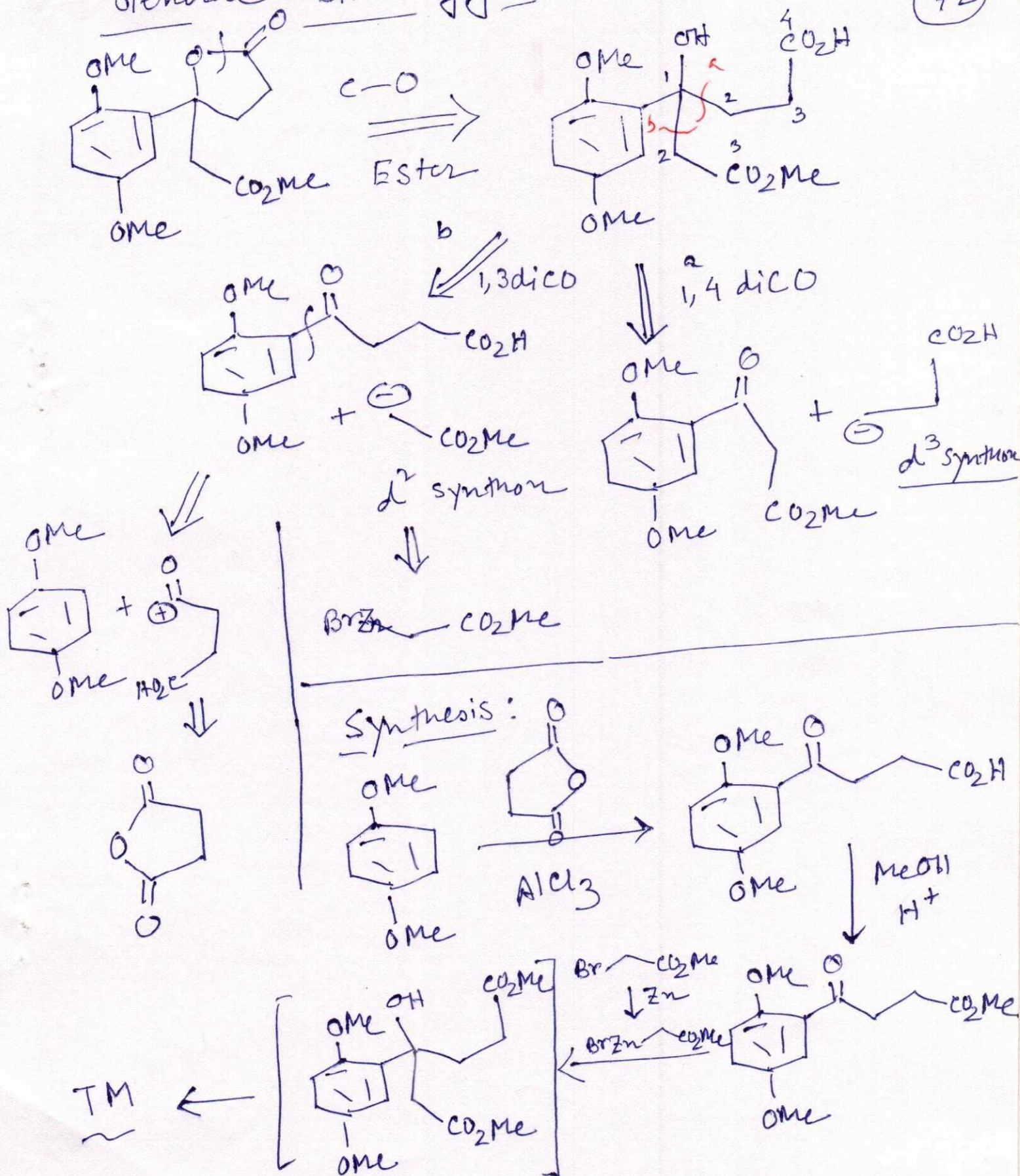
Synthesis:



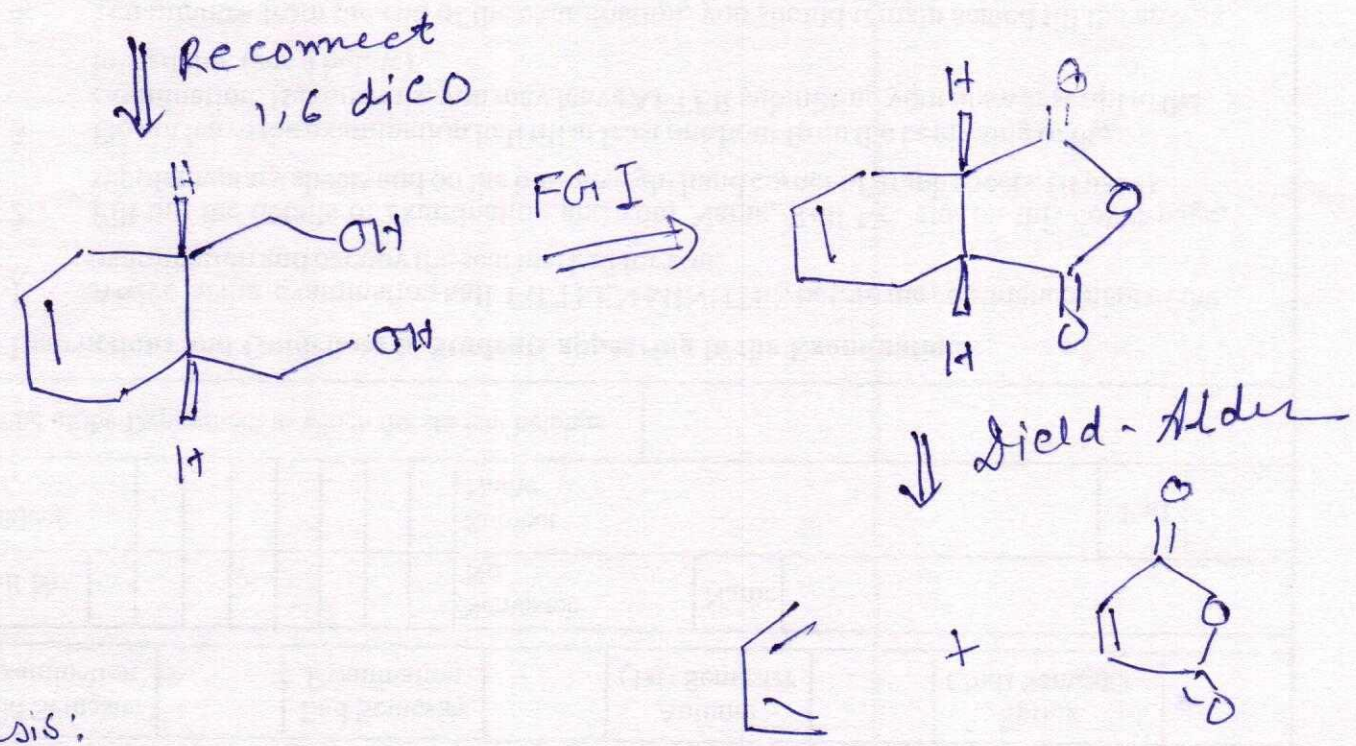
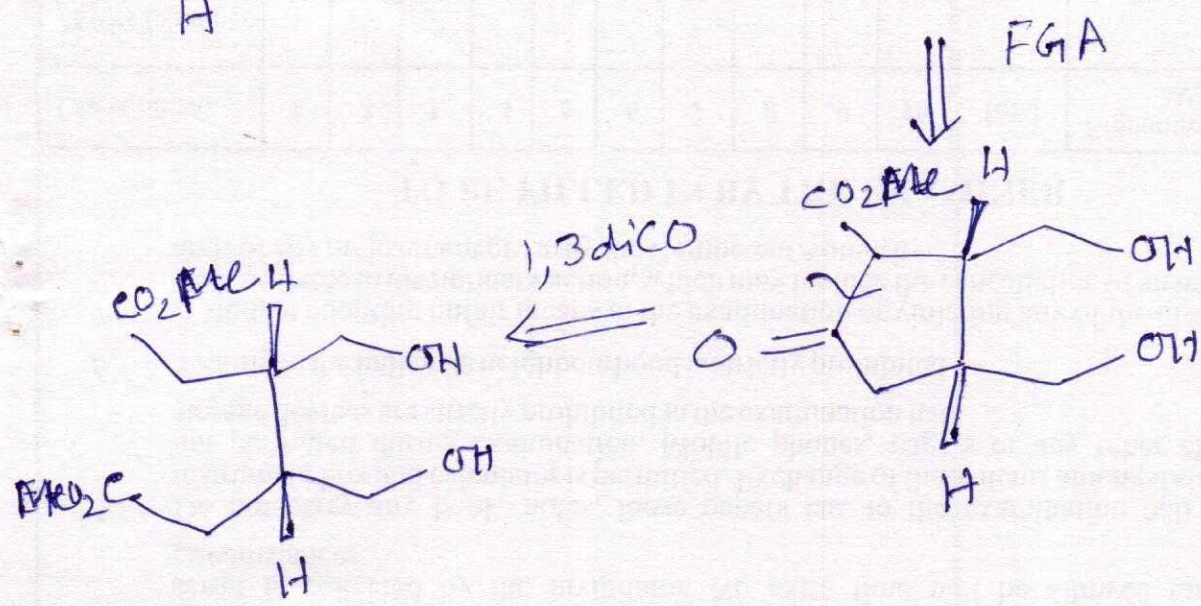
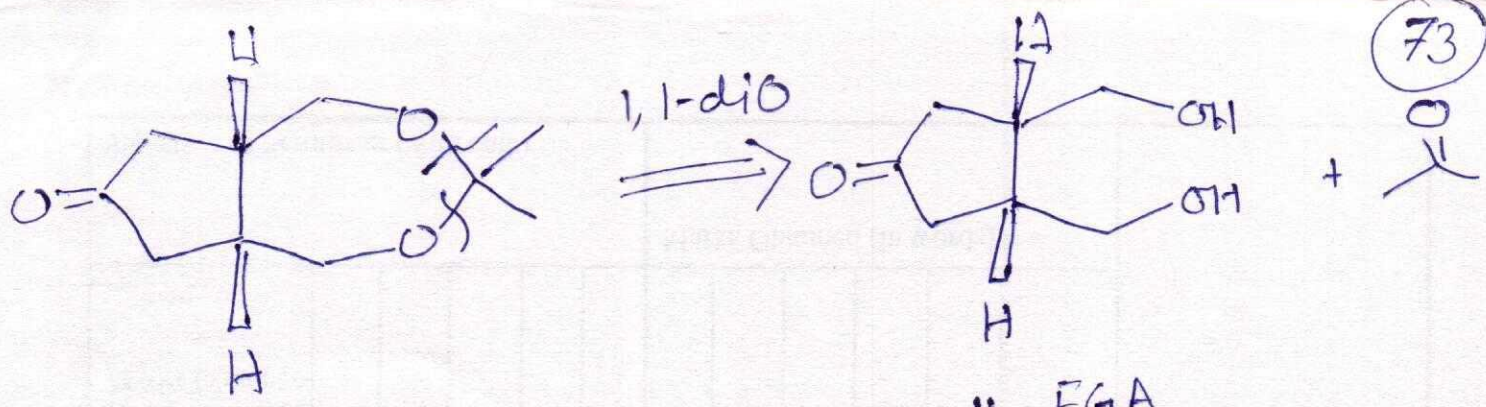


# General Strategy

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Synthesis:

