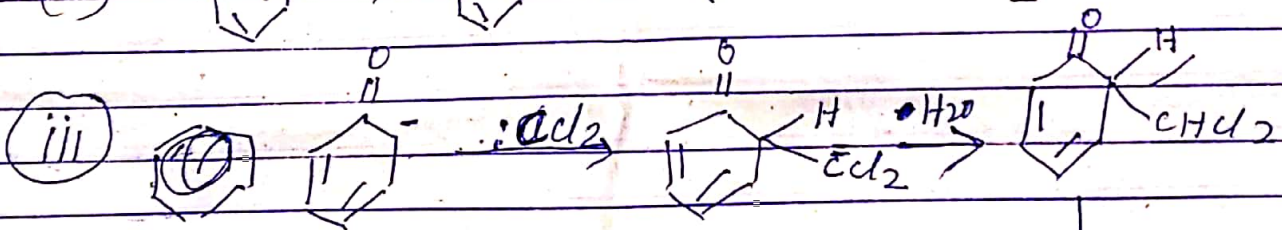
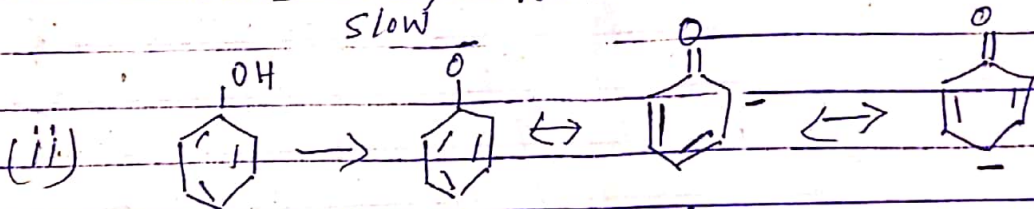
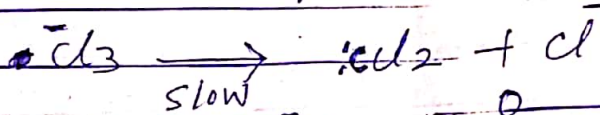
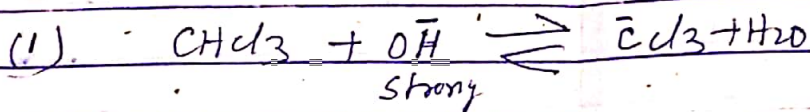
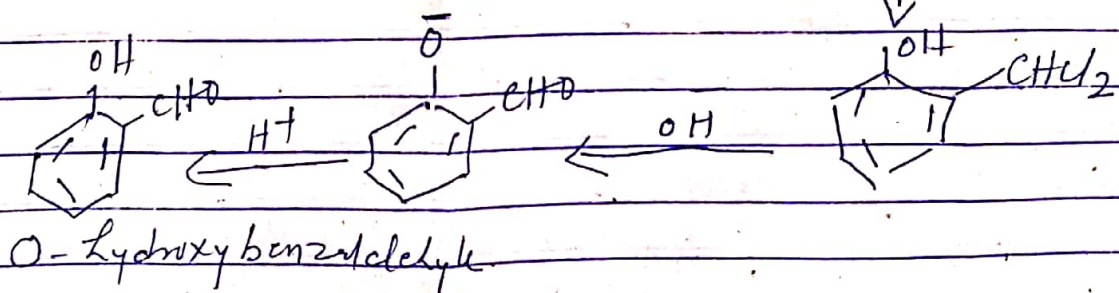


Mechanism →

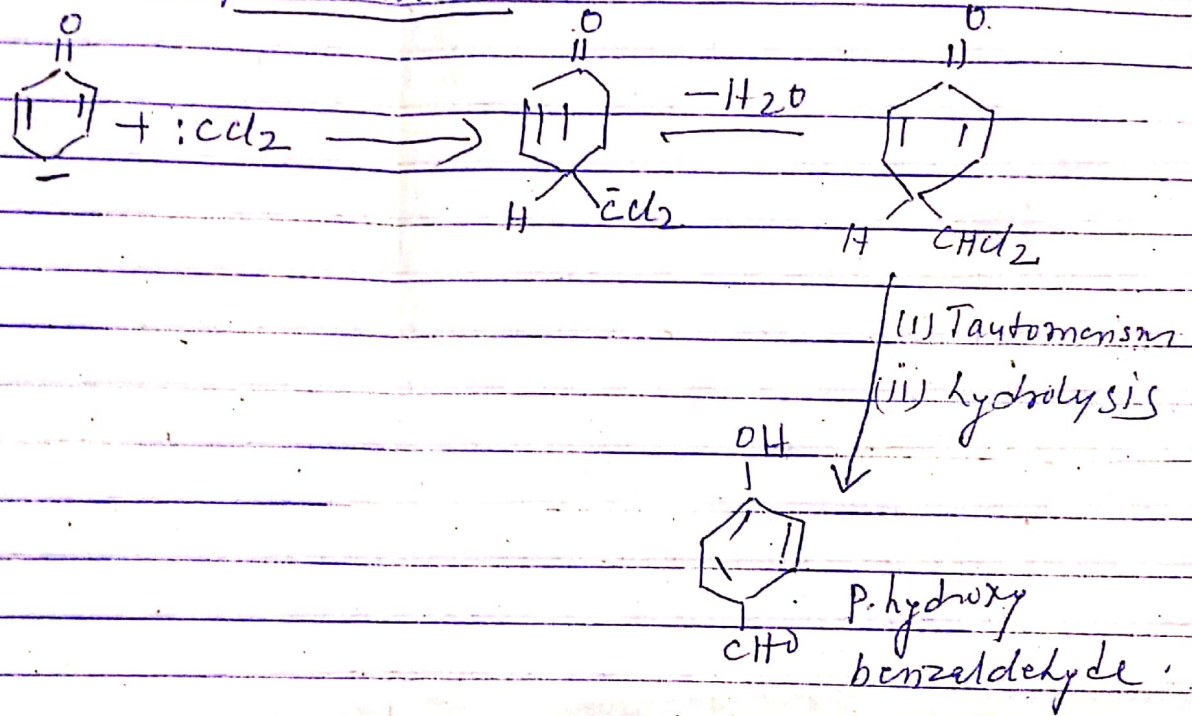
The reaction mechanism involves an aryl carbanion and $\bar{C}Cl_3$. $\bar{C}Cl_3$ formed by the action of strong base on $CHCl_3$. This decomposes to dichloro-carbene $:CCl_2$ which a strong electron deficient electrophile that attack the aromatic ring.



Tautomerization



Reaction for para derivative



It must be noted that the presence of -I group such as NO_2 , CN , COOH , SO_3H inhibits the reaction.

