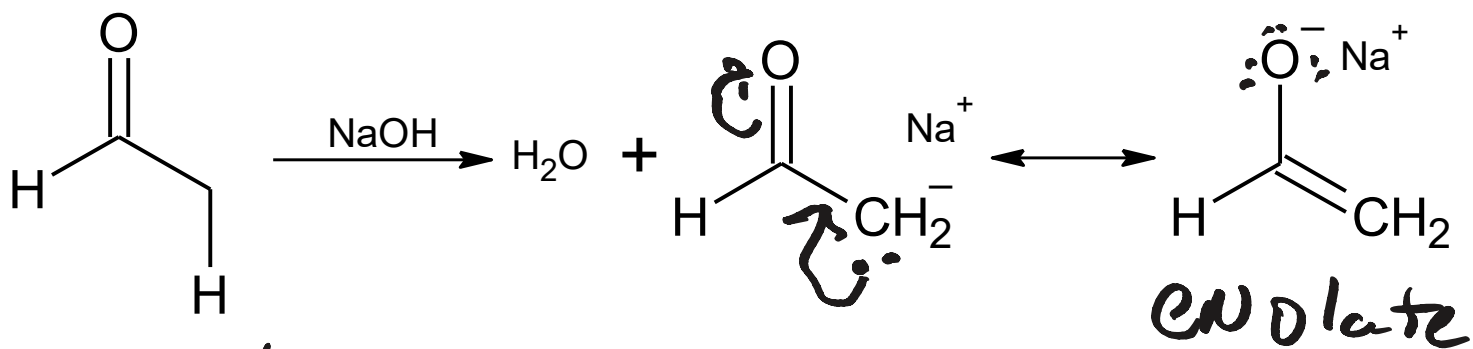


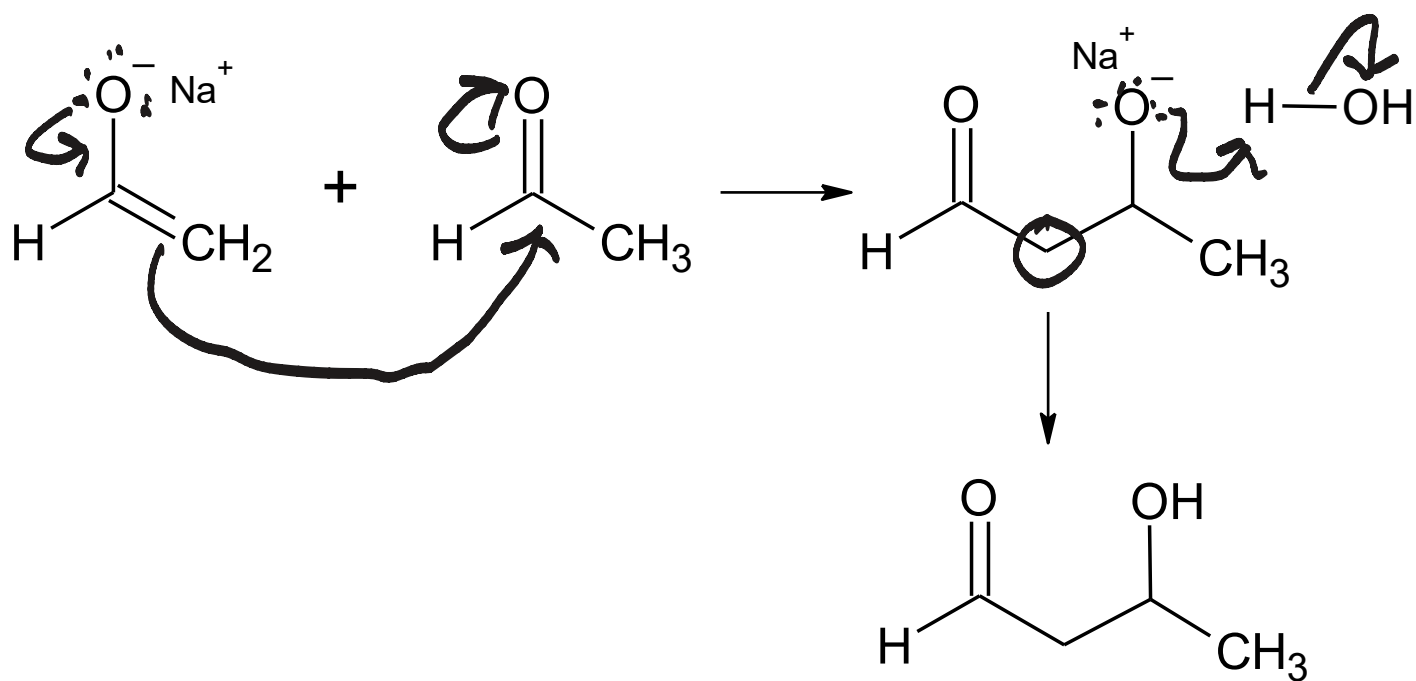
Aldol

220C

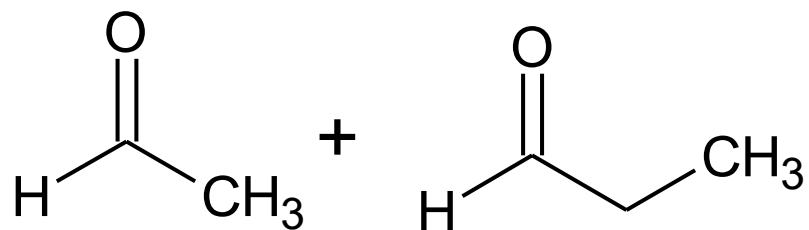
7/20/26



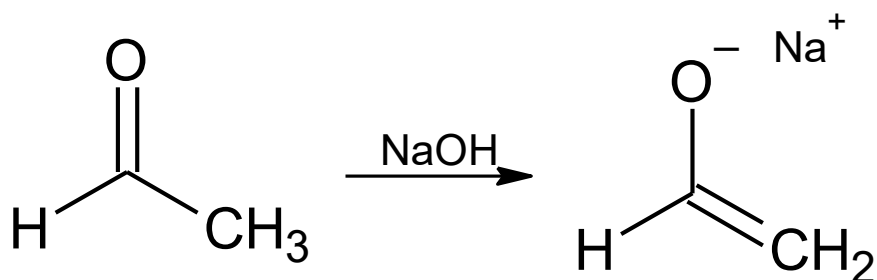
α protons
 $\text{pK}_a \approx 18 - 20$



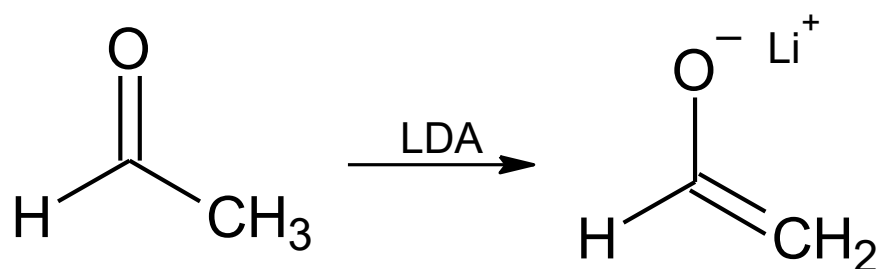
β -hydroxy
 aldehyde



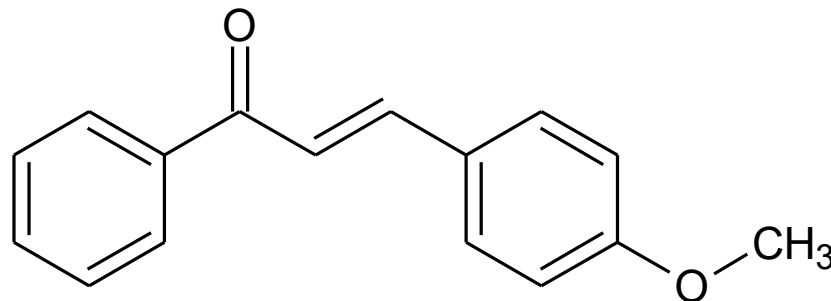
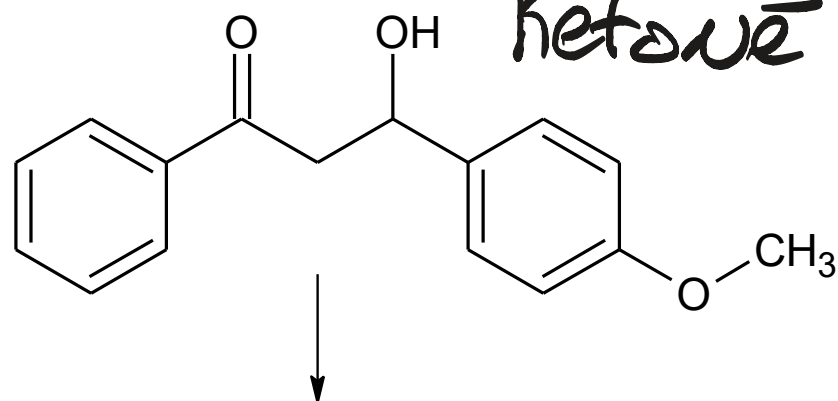
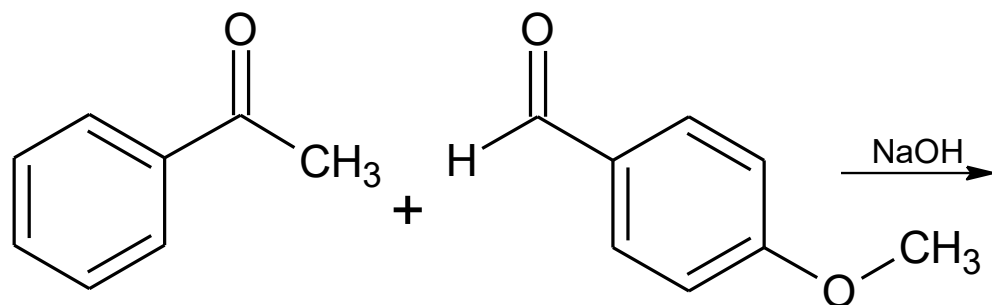
1. multiple enolates
2. multiple electrophiles



$$K_{\text{eq}} \approx 10^{-4}$$



$$K_{\text{eq}} \approx 10^{-7}$$



trans-p-anisal
acetophenone

IR, 20yfield, MP

75%

50-60%

