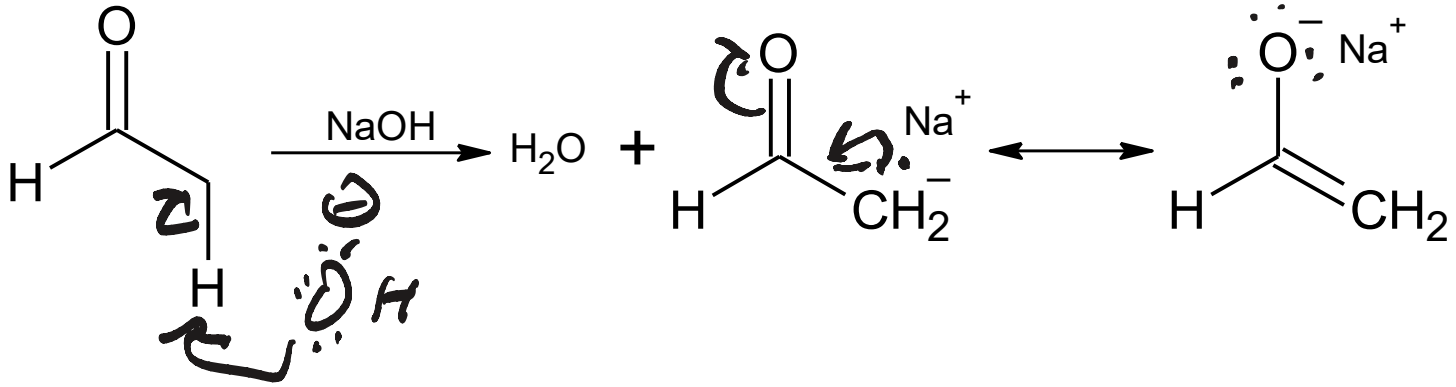
# Aldol

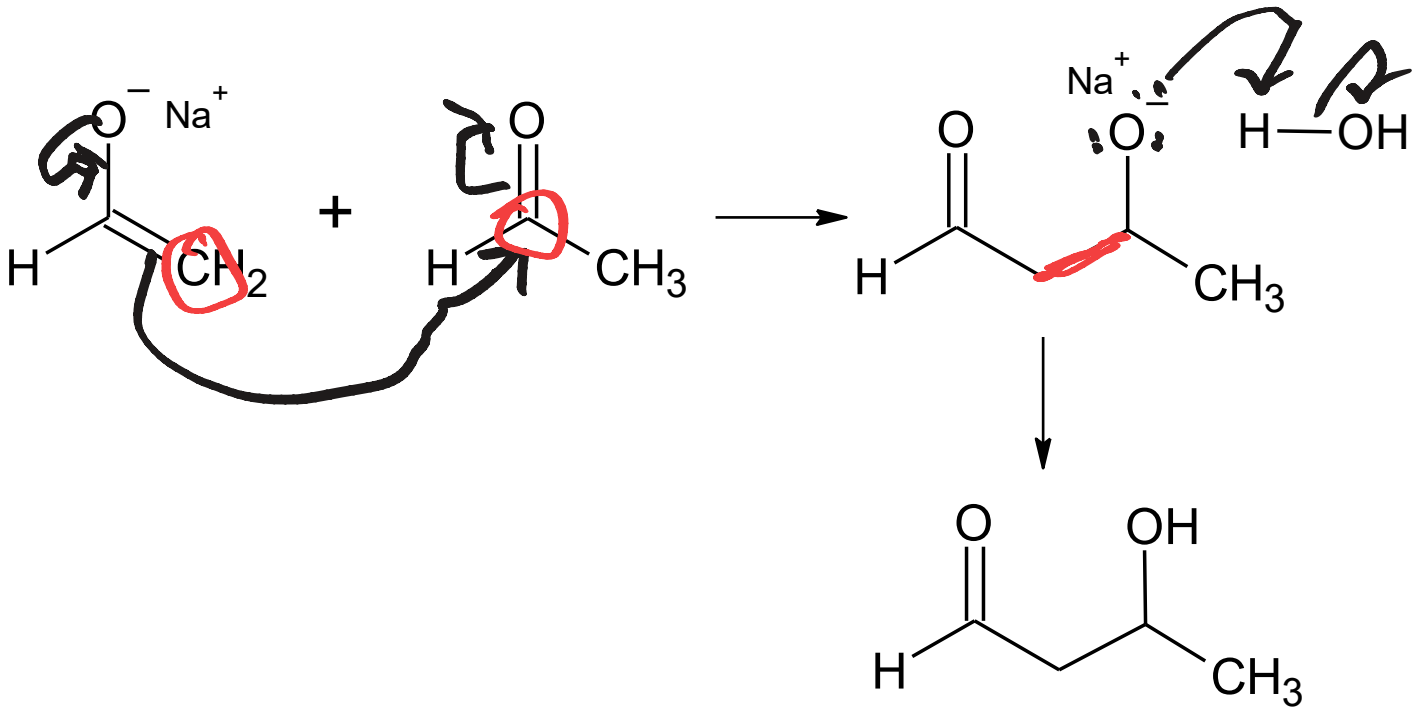
220C

10/26/26

α-proton pka ≈ 18-20

enolate



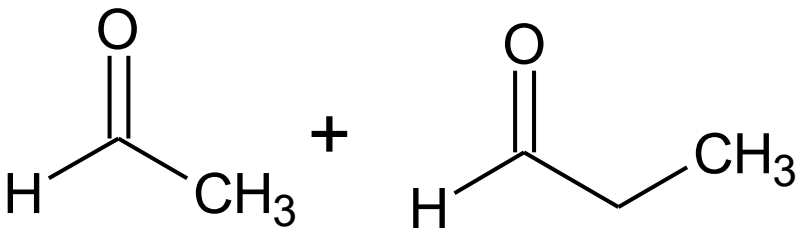





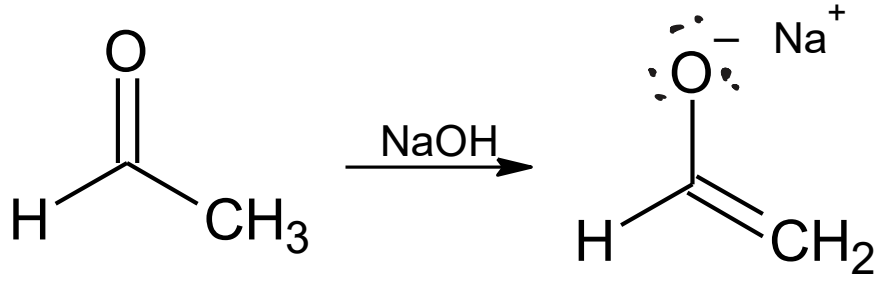


β-hydroxy aldehyde

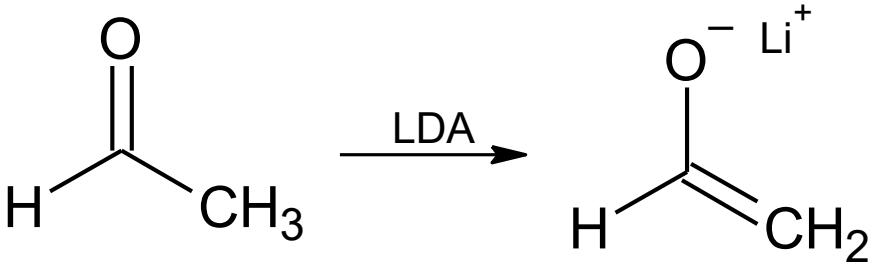
# mixed aldol



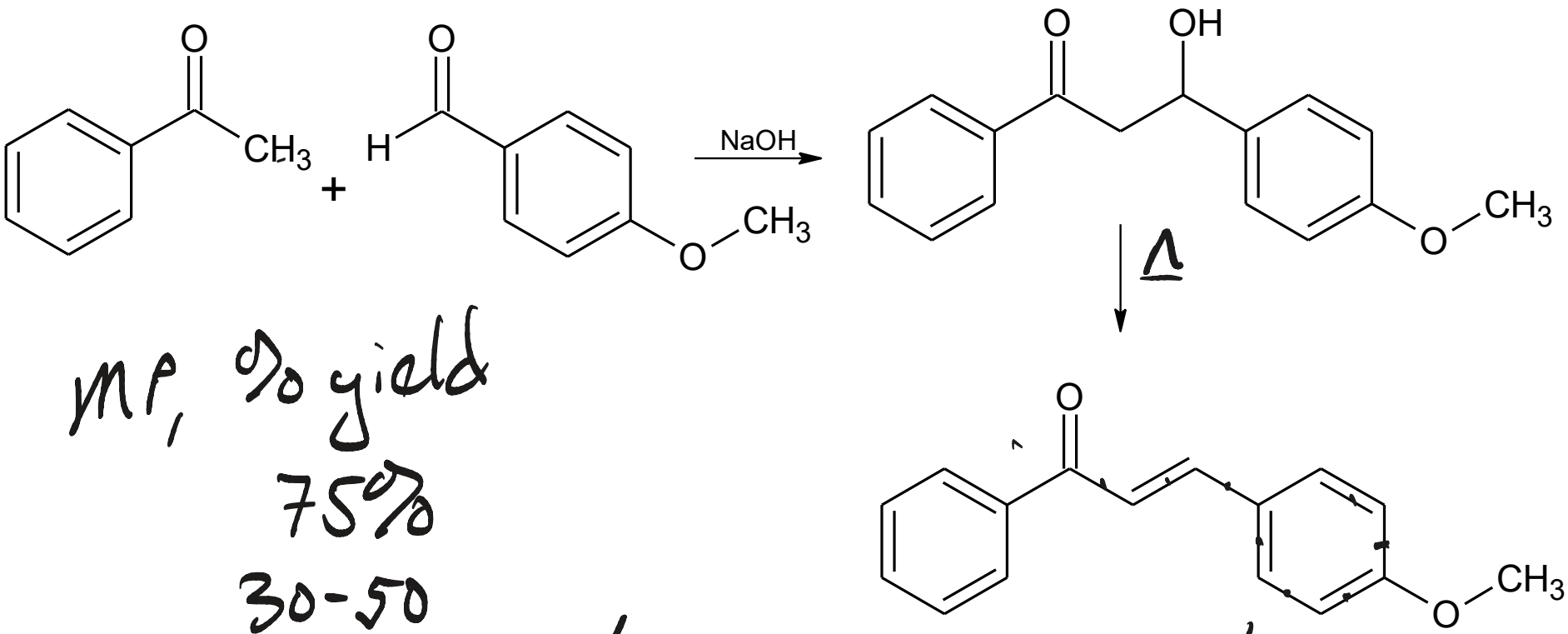
1. multiple enolates
2. multiple electrophiles




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




$K_{eq} \approx 10^{17}$




MP, % yield

75%

30-50

trans - p-anisalacetophenone

IR

C=O

C-H