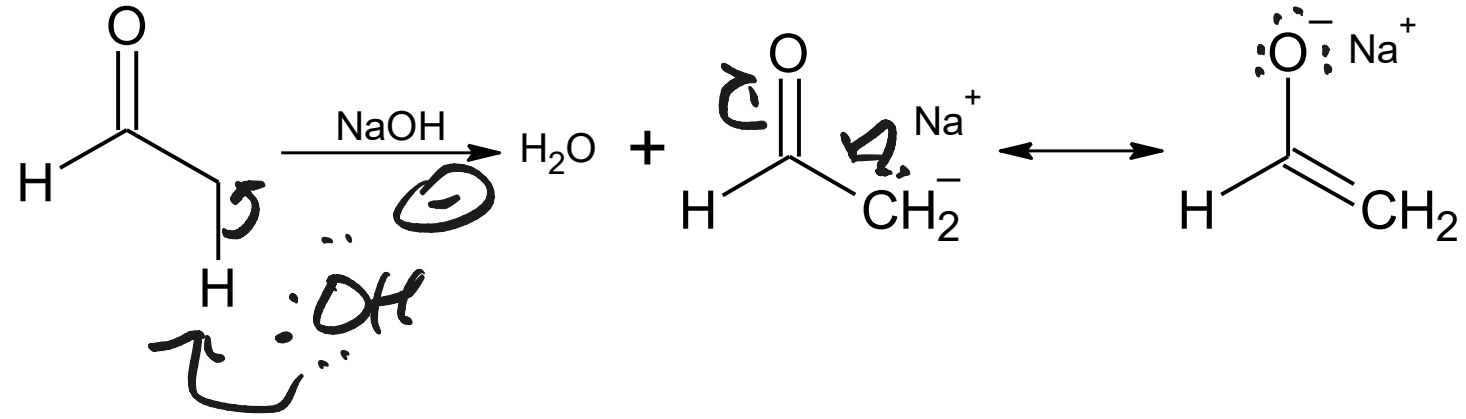
Aldol

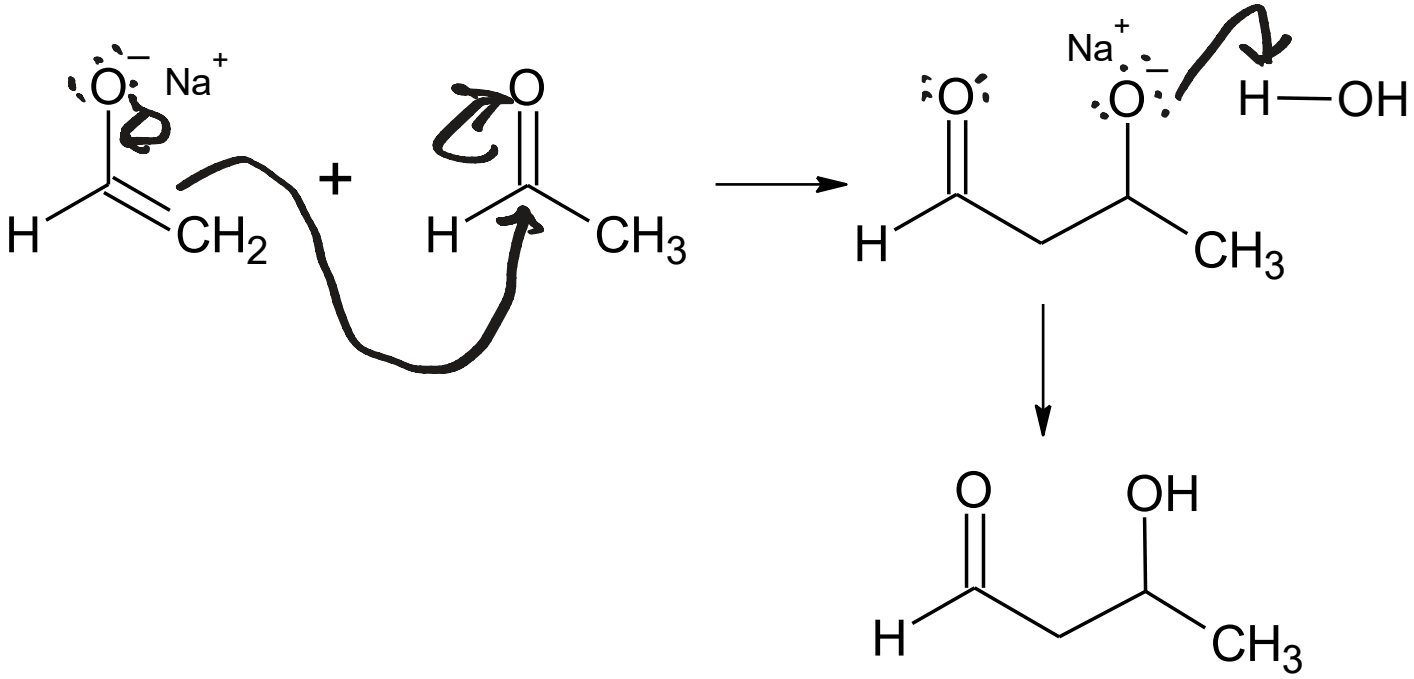
220C

10/22/26

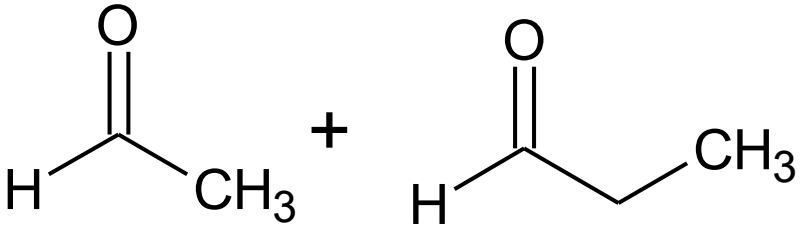
α-proton pKa ≈ 18-20

enolate

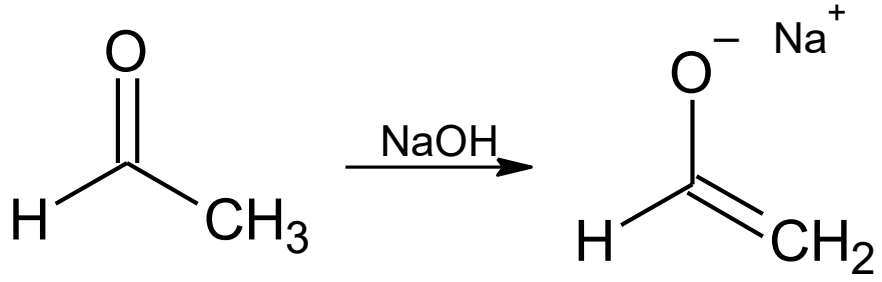




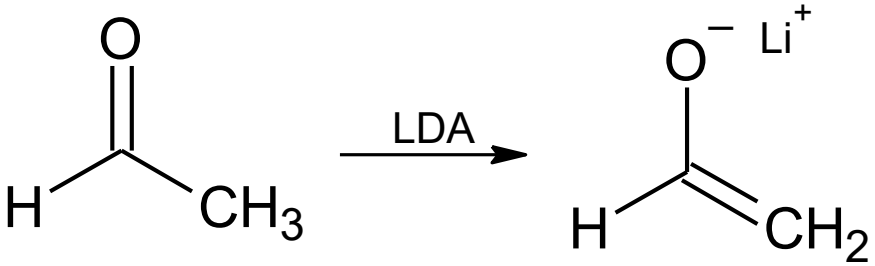
β - Hydroxy aldehyde



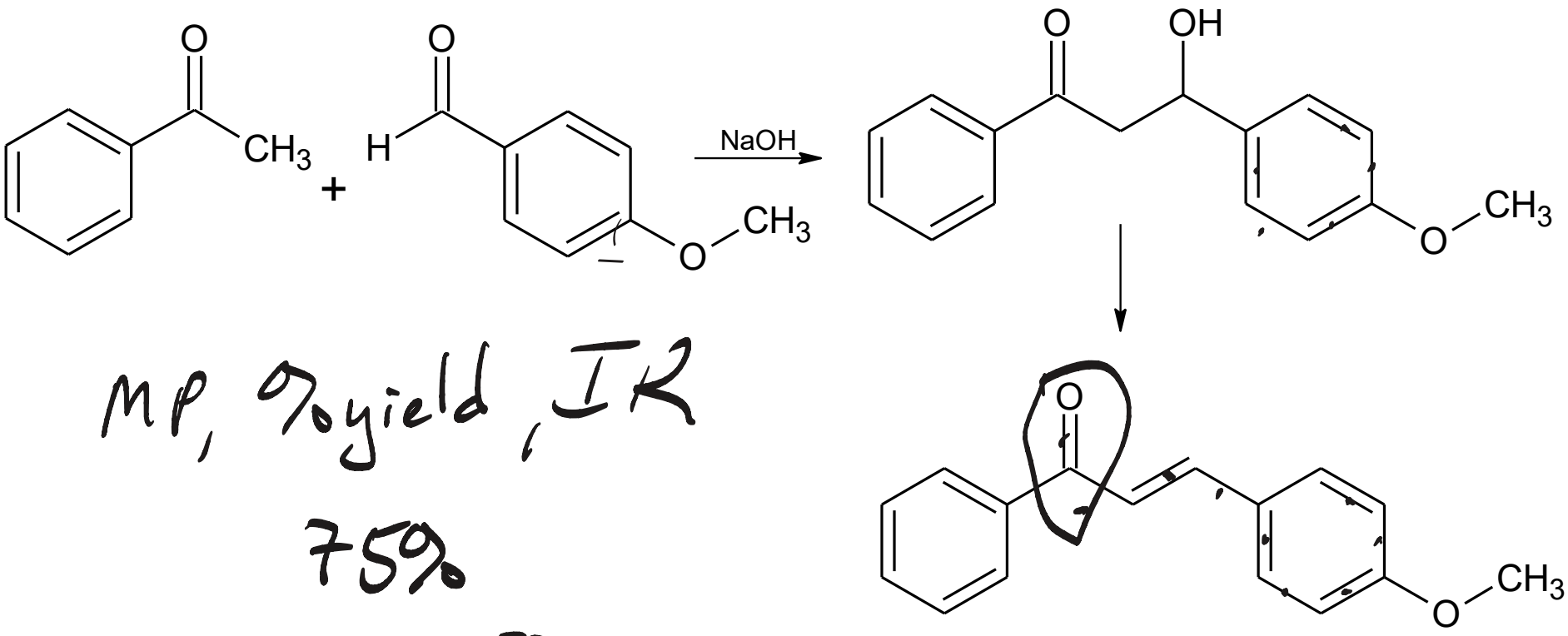
1. multiple α-proton
2. multiple electrophiles



$K_{eq} \approx 10^{-5}$



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



MP, %yield, IR

75%

30-50

+ H_2O

trans-p-anisalacetophenone