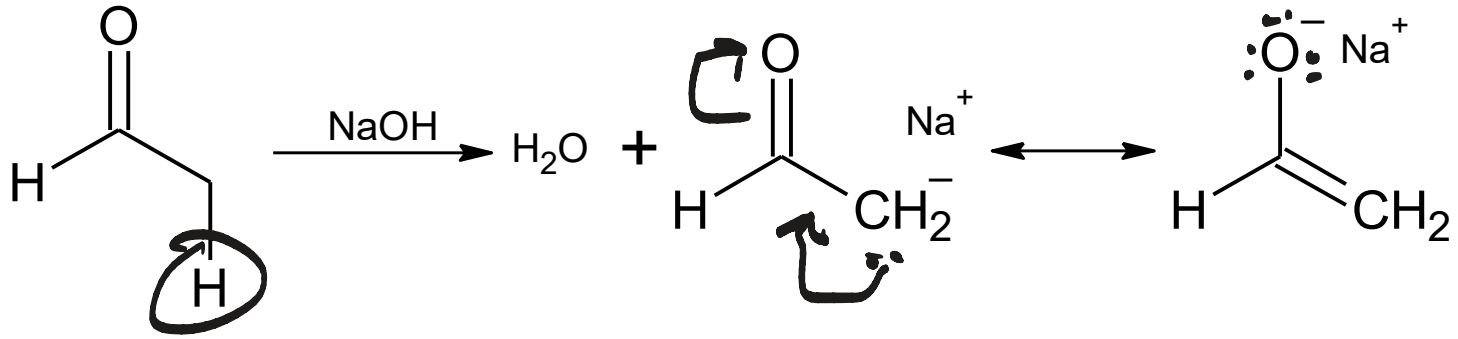
Aldol

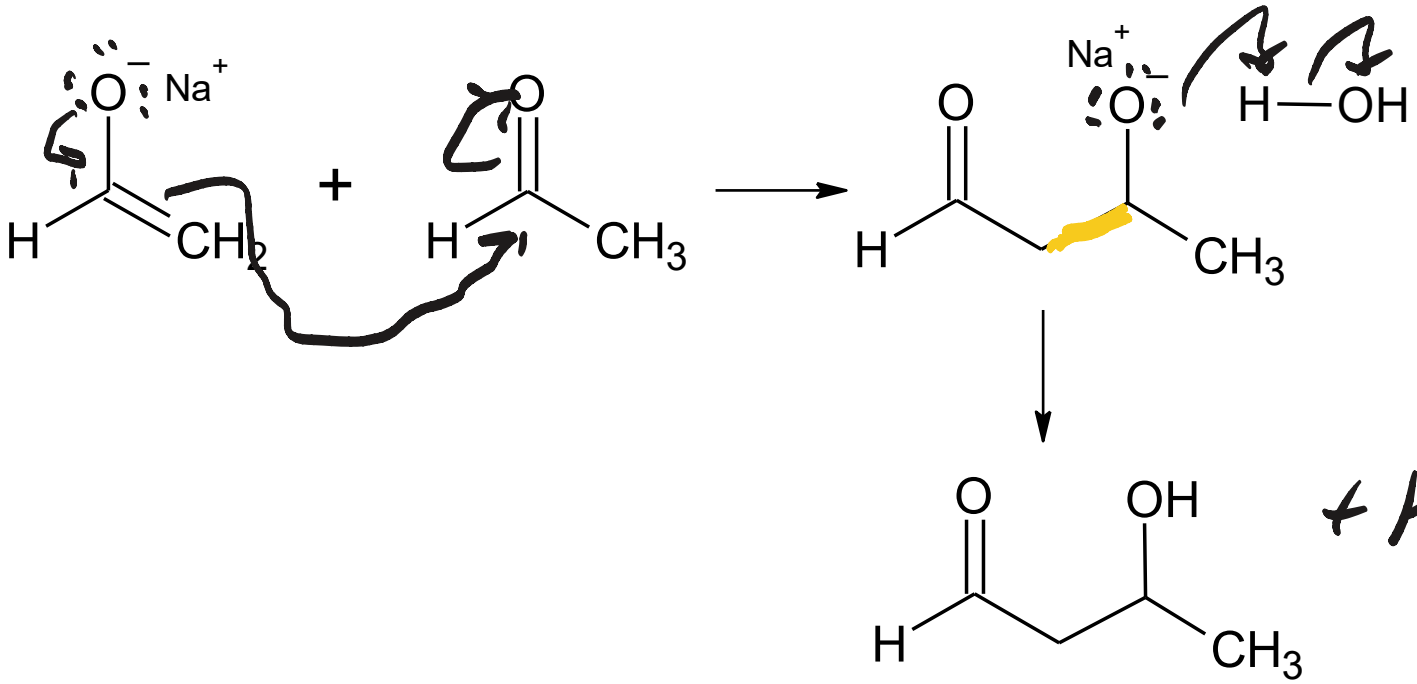
128L

10/1/24

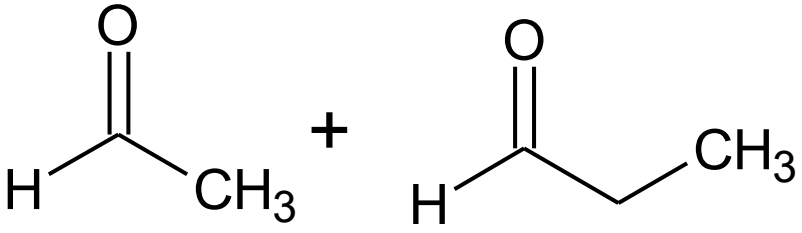
pKa ~ 18-20

enolate

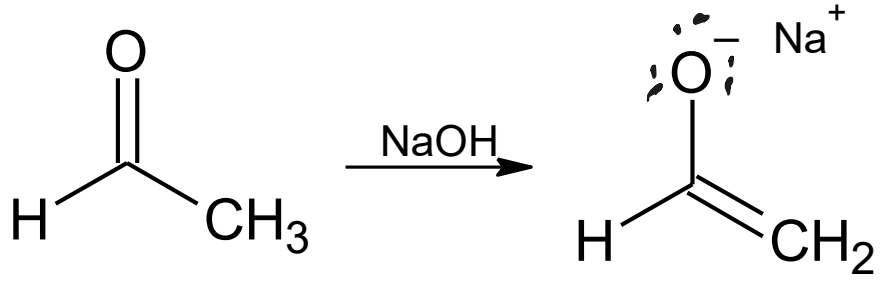




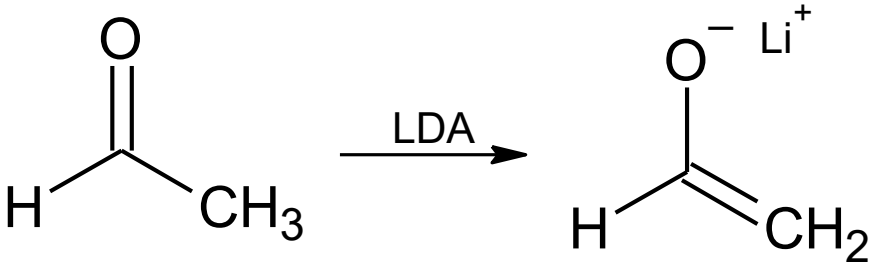
β hydroxy aldehyde



1. multiple enolates
2. multiple electrophiles

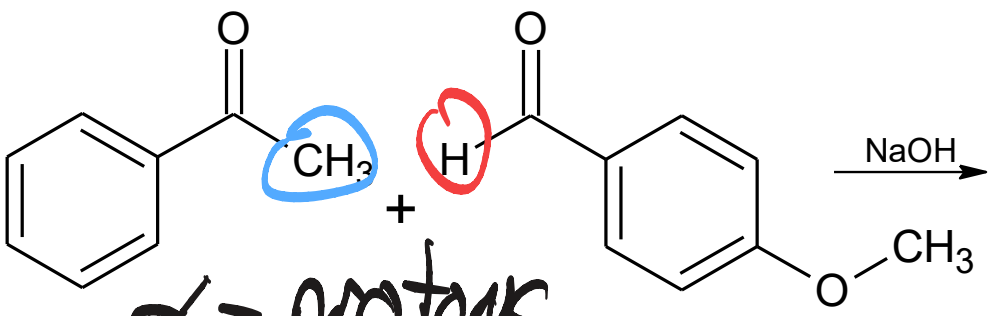


$K_{eq} \approx 10^{-4}$

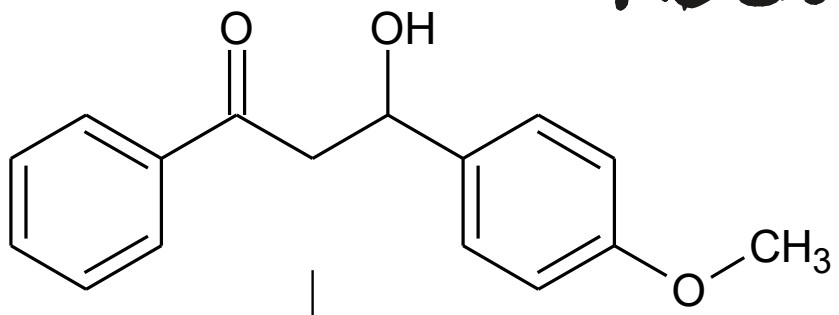


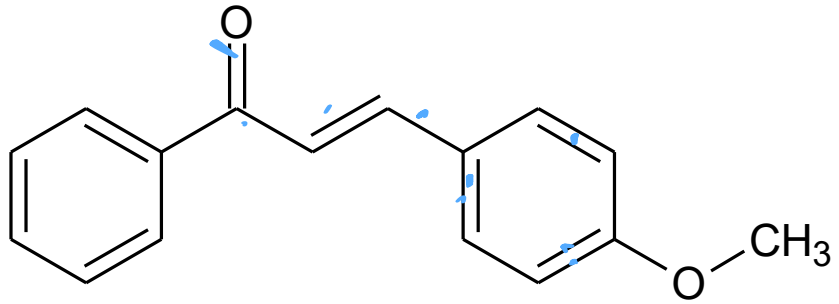
$K_{eq} \approx 10^{17}$

β Hydroxy Ketone



α-protons





H_2O +

trans-p-anisalacetophenone

% yield ≈ 70-80%

30-50%

MP, IR