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Course CH 341
Lecturer Casey
Day Wednesday
Date 11/2/05
Notes Taken By Math
Total Number of Pages 2

Ketone

\[ pK_a = 19 \]

Enolate reaction

Enol

Tautomer: structural isomer, fast interconversion, acidic

Similar to:

Why are ketones acidic?

Energy

\[ k_{k} = 10^{-13} \]

\[ k_{e} = 10^{49} \]

\[ k_{p} = 10^{-6} \]

\[ k_{f} = 10^{16} \]

RO^-

ROH
Consequences of Elimination

H₂O exchange

\[
\text{CH₃COCH₃ + H₂O} \rightarrow \text{CH₃COCH₂O}
\]

Racemization

\[
\text{CH₃CH₃COCH₃ \rightarrow \text{CH₃CH₃COCH₃}}
\]

Isomerization

\[
\text{CH₃CH₂CH₃ \rightarrow \text{CH₃CHCH₃}}
\]