

### Keto-enol tautomerism



- “Tautomers” are isomers that cannot be separated because they interconvert too rapidly.
- “Keto” form favored over “enol” form.

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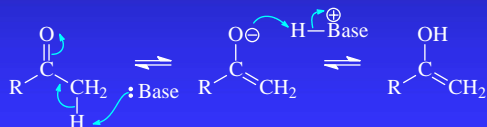
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### Keto-enol tautomerism

- Keto-enol tautomers interconvert under any condensed-phase conditions.
- Mechanism under basic conditions:



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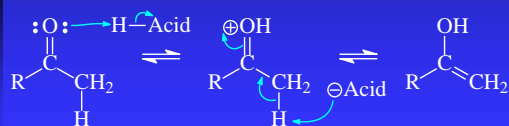
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### Keto-enol tautomerism

- Keto-enol tautomers interconvert under any condensed-phase conditions.
- Mechanism under acidic conditions:



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