

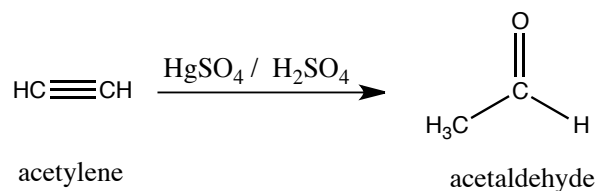
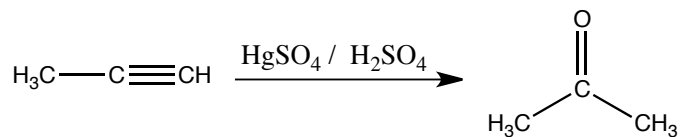
Chem 343 – Organic Reactions

Chapter 14

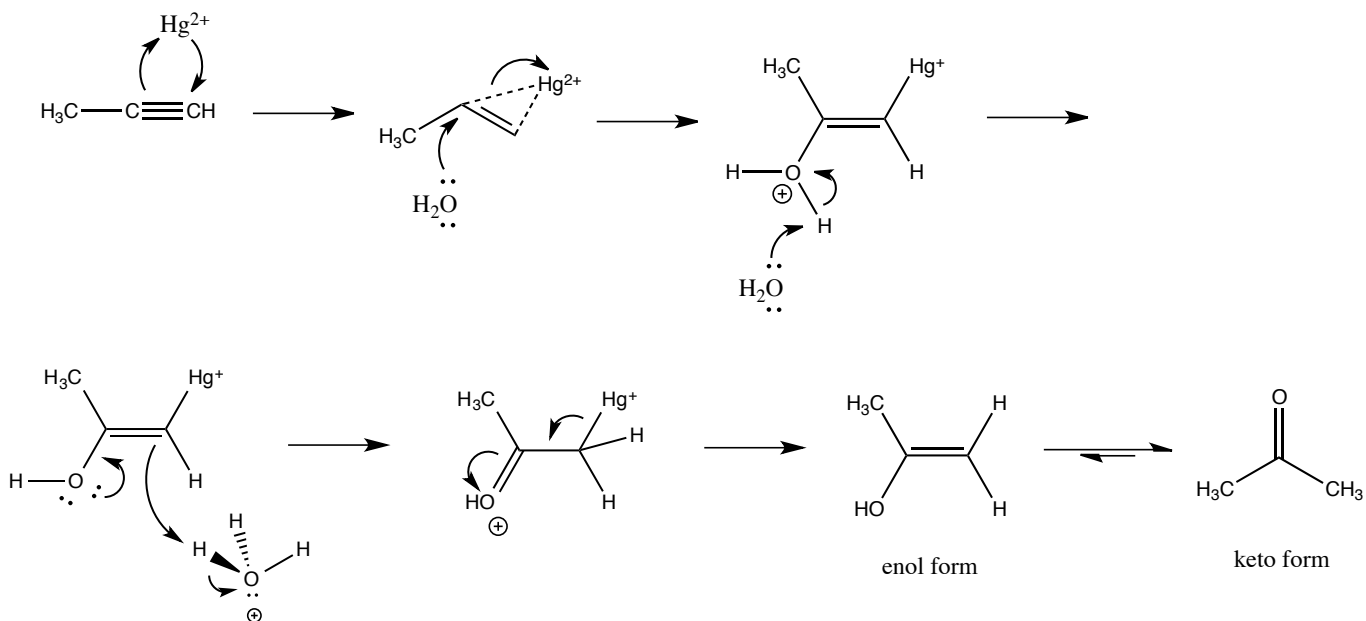
Prepared by José Laboy, MS

<http://www.chem.wisc.edu/areas/clc> (Resource page)

Synthesis and Reactions of Alkynes #7: Hydration of alkynes



Mechanism



A terminal alkyne will form a methyl ketone with this process. An internal alkyne can potentially form 2 isomeric ketones. In the case of acetylene the product of hydration is acetaldehyde.