Problem set 5, Chem 128/228
(based upon lectures 4 & 5)

Propose detailed mechanisms for the following reactions.
Rationalize the differing behaviour of the enol ether isomers.

\[ \text{KHMDS} \quad \text{THF, 20 °C} \]

88%

KHMD = K(SiMe)_2

Paquette et al. JACS, 1989, 111, 2331-2332

Show how to affect following conversion.

Show how an anion accelerated Cope rearrangement could be used to synthesize cyclooctene.

\[ \text{Wolf-Kishner} \quad \text{(Heating - reduction)} \]

\[ \text{KH, THF} \]

18- (n = 6)