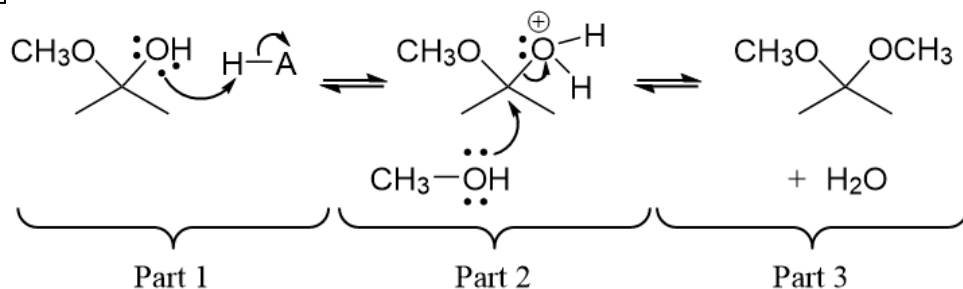


CHM 3150 Organic Chemistry II
 Dr. Laurie S. Starkey, Cal Poly Pomona
 Chapter 19 Aldehydes & Ketones Part 3 – Practice Problems

For clicker question voting, go to:
<https://pollev.com/lauriestarke263>



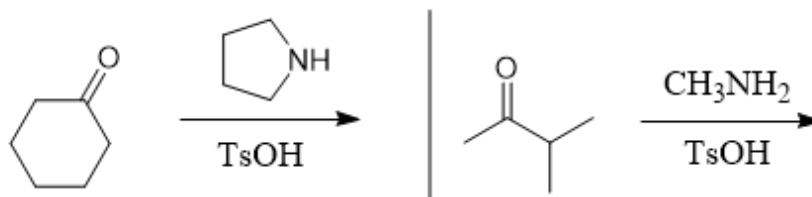
1



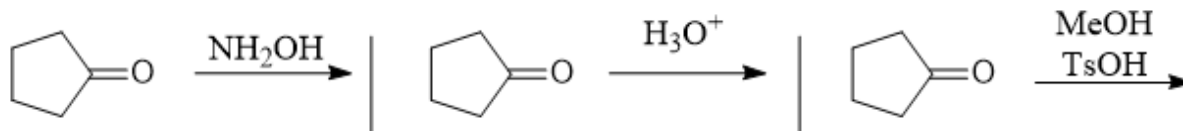
Which mechanism part(s) has an error in it?

2

Predict the major products for the following reactions.

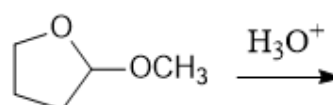
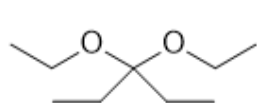
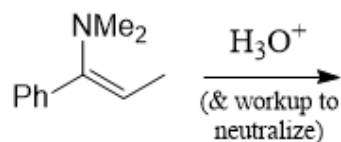


3



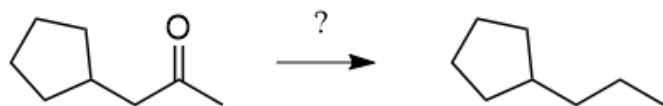
4

Draw ALL products for the following reactions.



5

Which of the following sets of reagents would accomplish the given transformation?



7

One of the following compounds acts like an ether (good solvent, unreactive), another is potentially explosive when heated, and another reacts quickly with aqueous acid. Match each structure to its description.



1,2-dioxane



1,3-dioxane



1,4-dioxane

6

Match the reaction/reagents to the correct names.

Zn(Hg),
HCl, H₂O

1) O=S(CH₃)₂
(COCl)₂
2) Et₃N

H₂, Ni

1) NH₂NH₂
2) KOH, heat

H₂, Pd
CaCO₃
quinoline

8

Which two compounds would combine to produce the following acetal?

