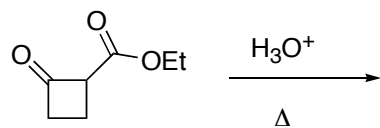


CHEMISTRY 172Q

WORKSHOP 9

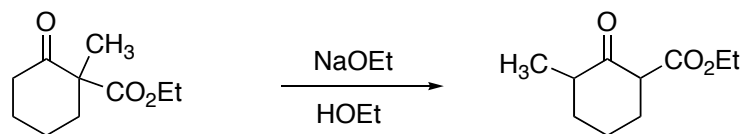
WEEK OF MARCH 26, 2007

1. a. Give three possible products that you might obtain from this reaction, and draw a mechanisms for each reaction.



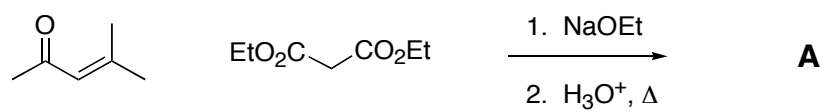
- b. Rank the products from 1 (largest component of the product mixture) to 3 (smallest component of the product mixture), and give reasons for your choices.

2. Give a mechanism for the following reaction. What is the driving force for the process?

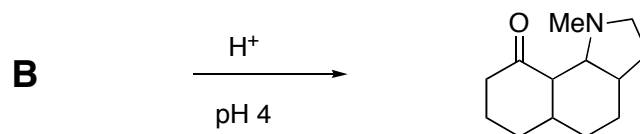


3. Give the structures of compound A-C, below. Draw a mechanism for each transformation.

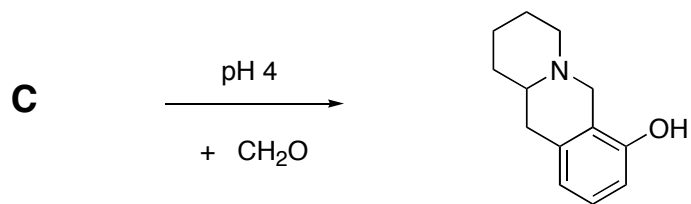
a.



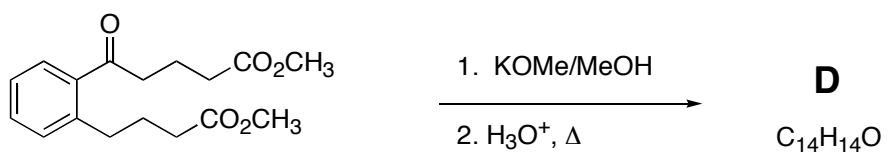
b.



c.



d.



4. The synthesis of sodium pentothal is shown below. Fill in the missing reagents and intermediates, and provide a mechanism for the conversion of **B** into **C**.

