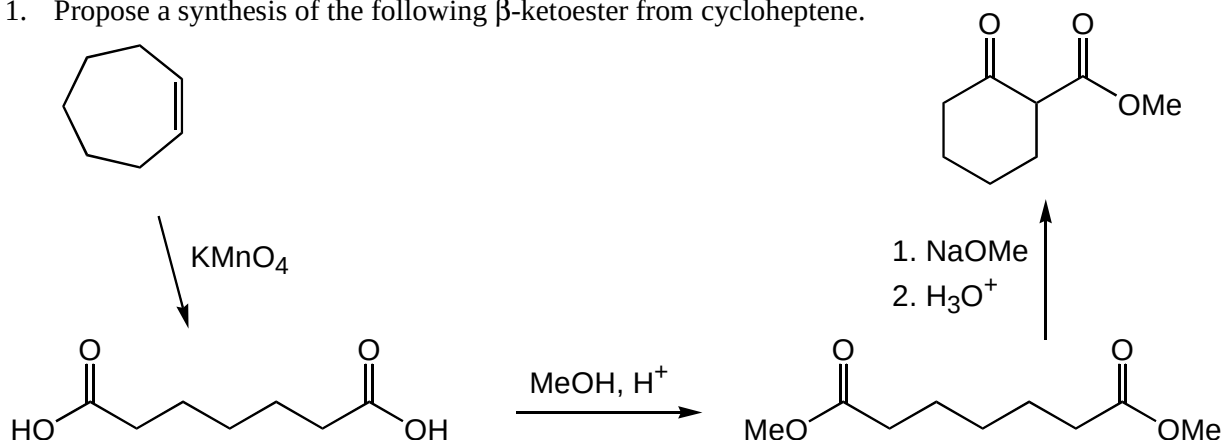


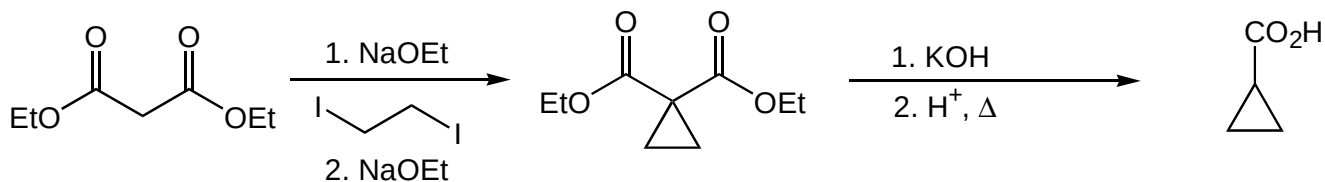
Organic Chemistry c3444y

Problem Set 8 - Answer Key

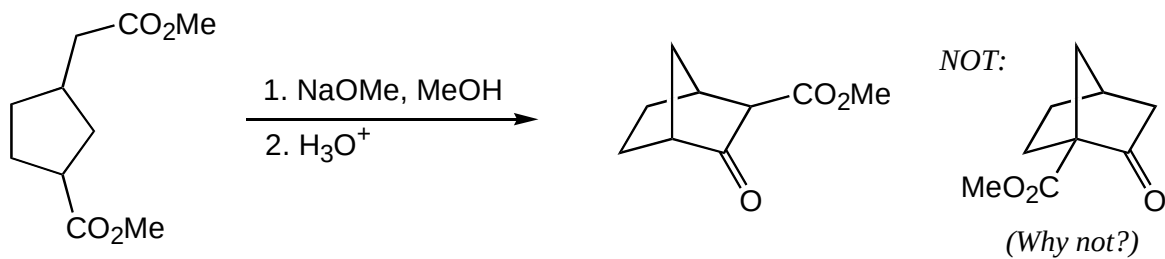
1. Propose a synthesis of the following β -ketoester from cycloheptene.



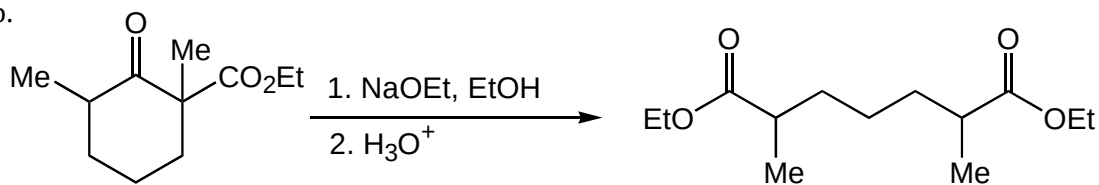
2. Propose a synthesis of the following carboxylic acid from diethyl malonate.



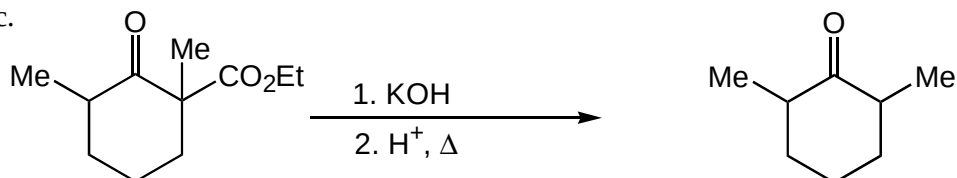
3. a.



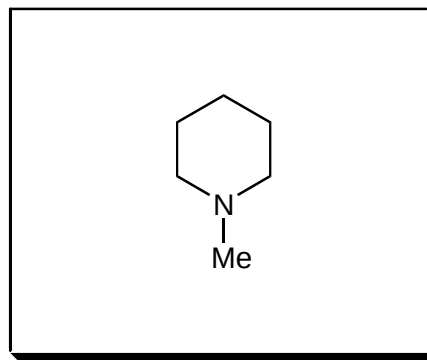
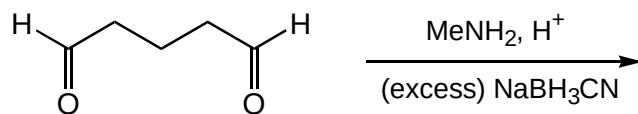
- b.



- c.



4. Provide the product of the following reaction



5. Identify the intermediates in the following synthetic sequence:

