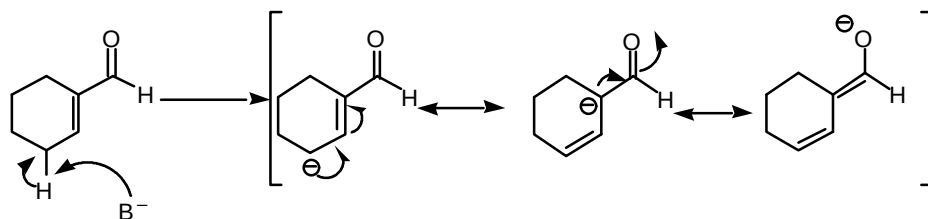
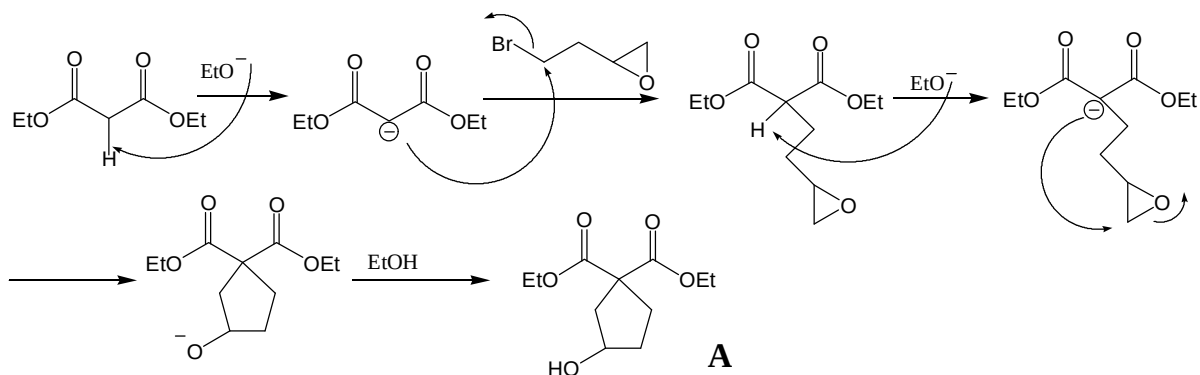


Problem Set #7 Answer Key

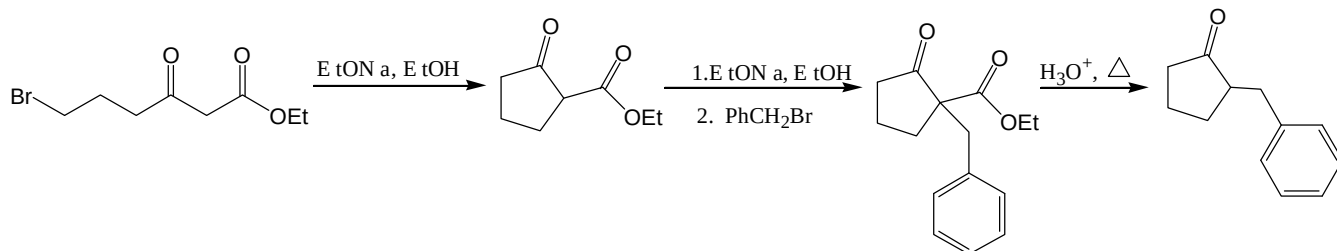
1.



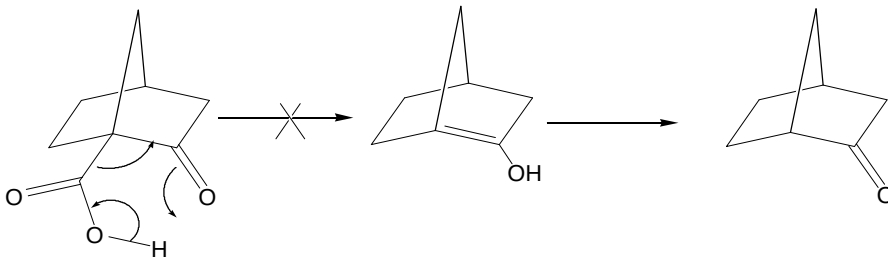
2.



3.

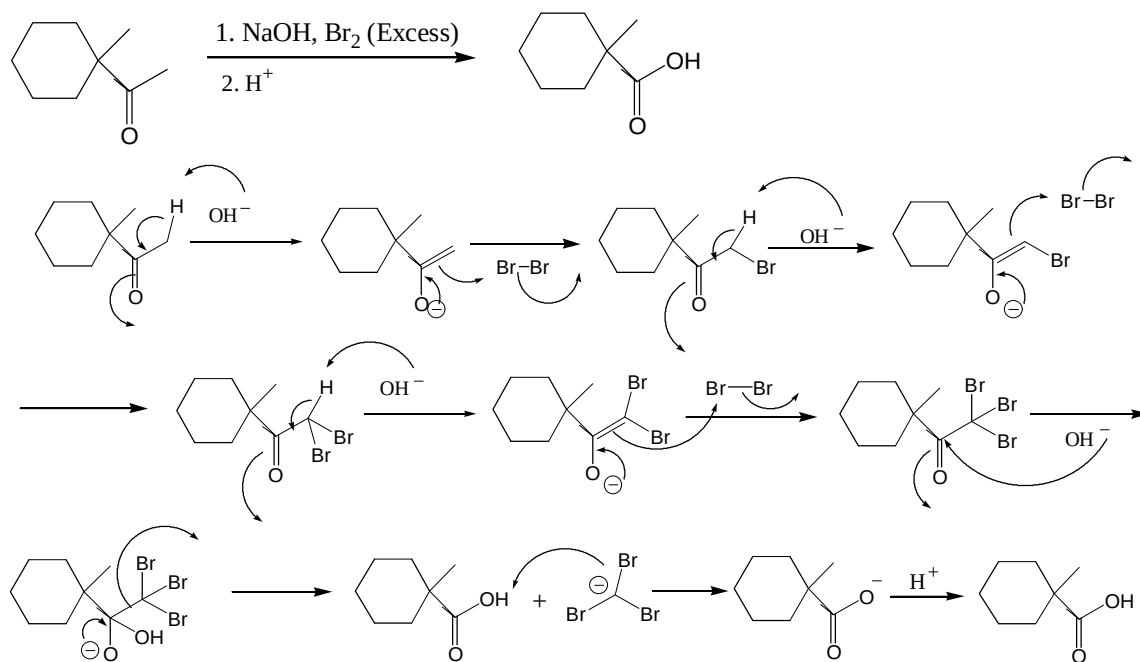


4. Because the intermediate enol has a double bond on the bridgehead carbon, the great strain makes the reaction not occur.

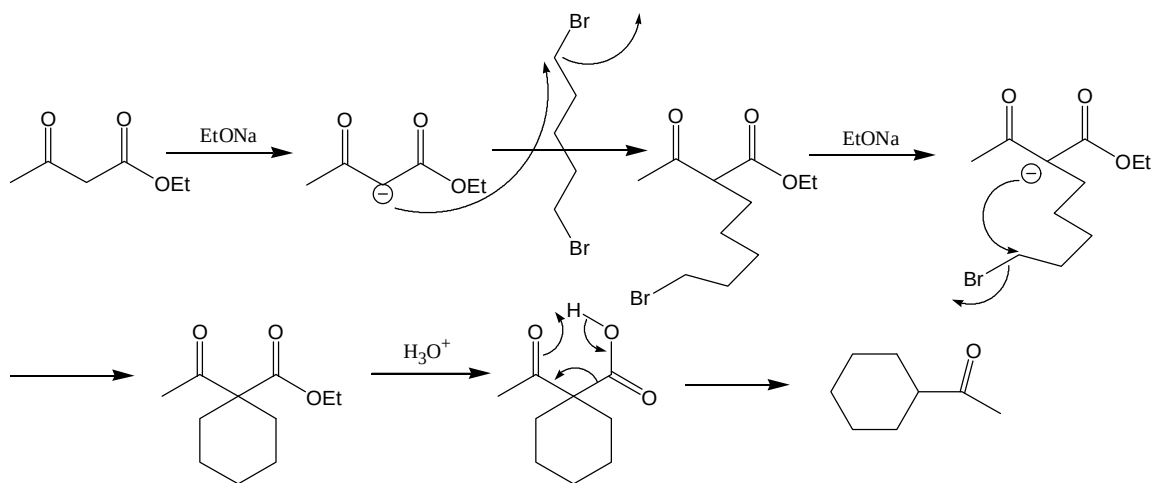


5. The product ratio depends on the ratio of enolates. The kinetic controlled enolate is the major intermediate because LDA is a very strong base with much hindrance.

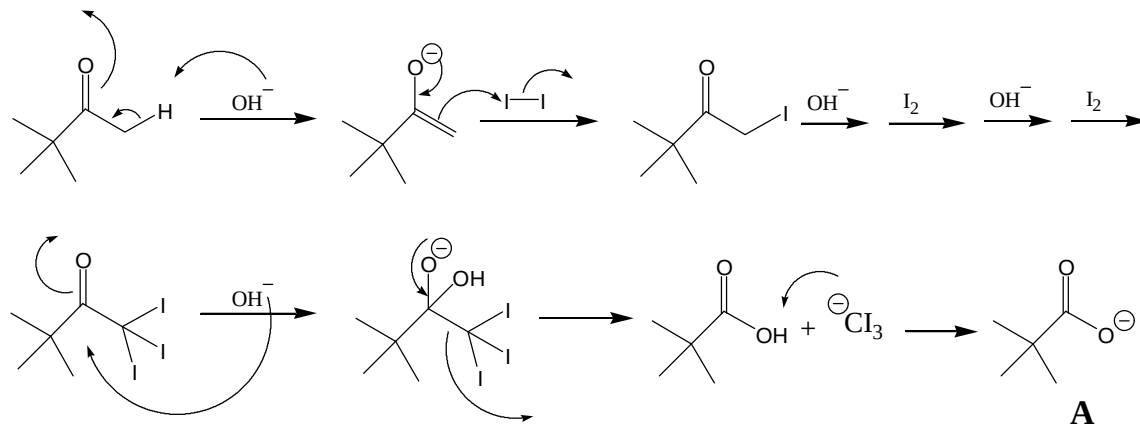
6.



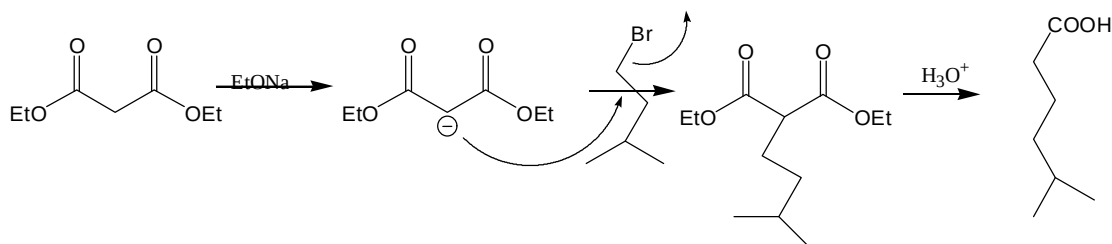
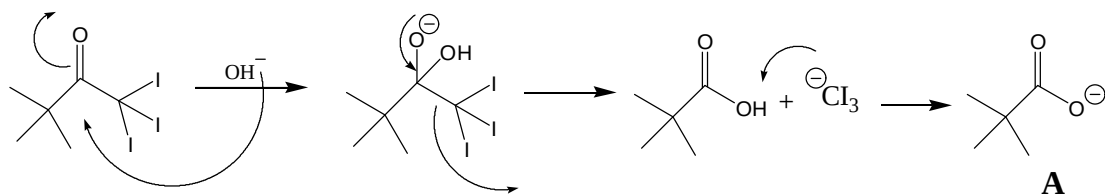
7.



8.



9.



10.

