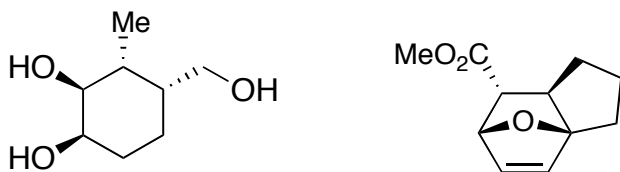


WORMS Problem Set

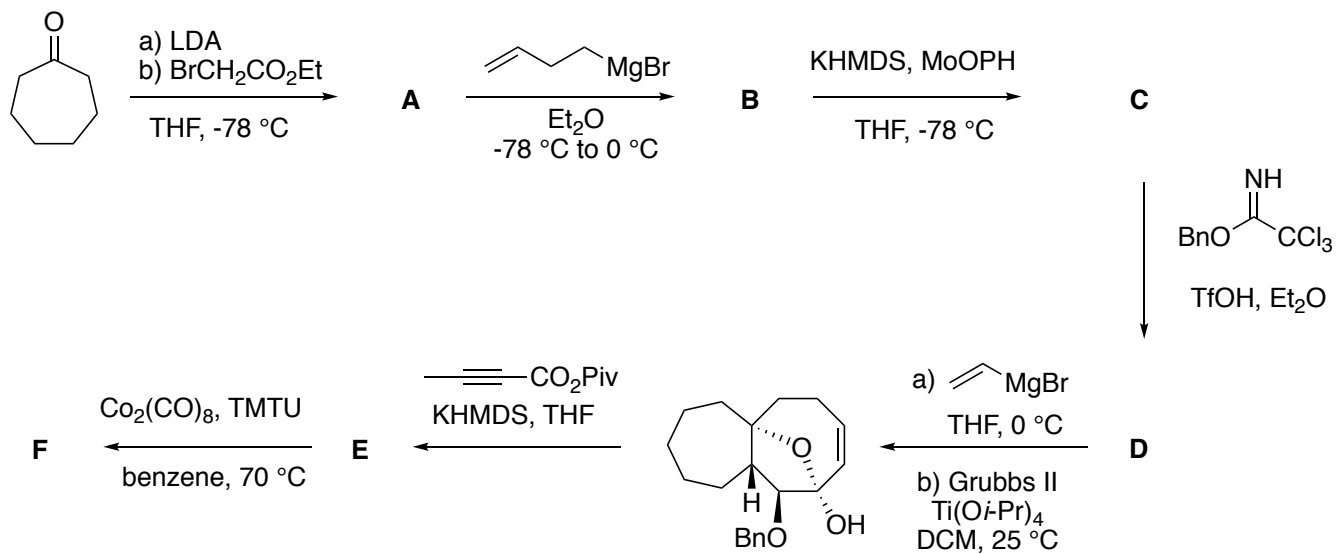
4-11-2018

Cook

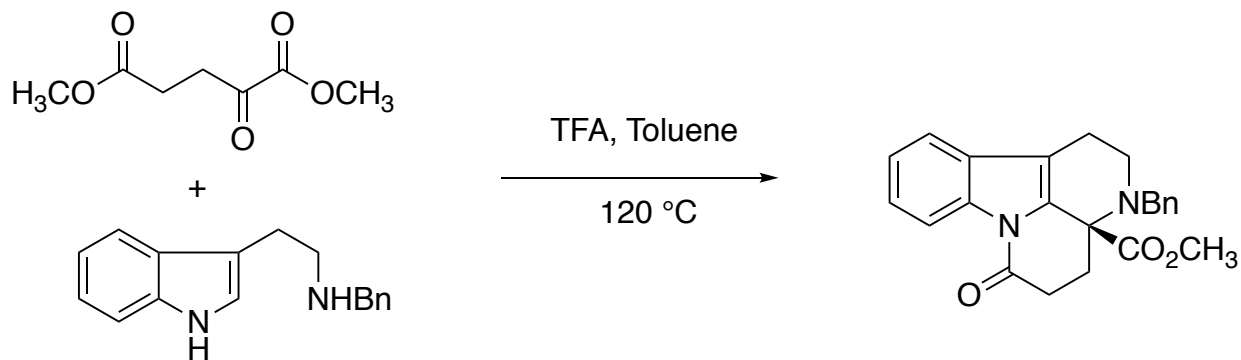
1. Provide a retrosynthetic analysis for the stereoselective synthesis of the following two compounds.



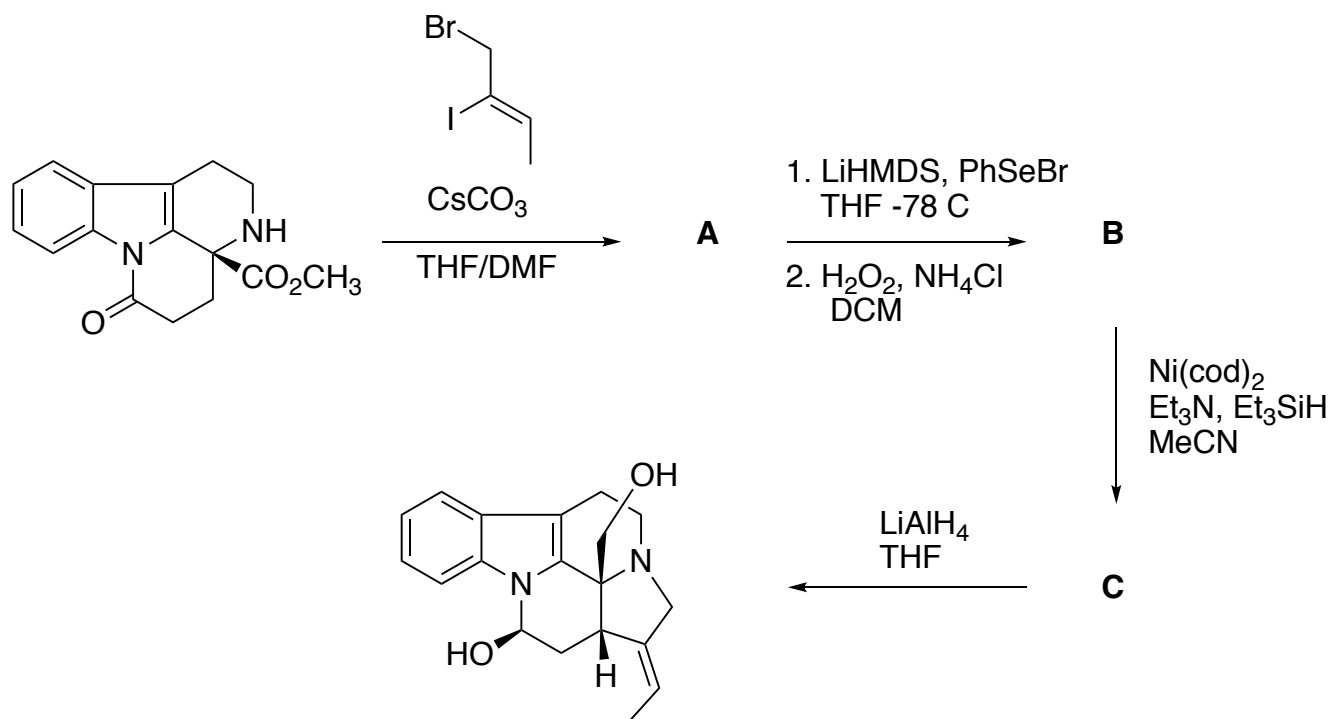
2. Provide the missing structures and describe how the following reactions are proceeding.



3. Provide a detailed mechanism for the following transformation.



5. Provide the missing structures and describe how the following reactions are proceeding.



6. Provide the conditions necessary to carry out the following selective reductions.

