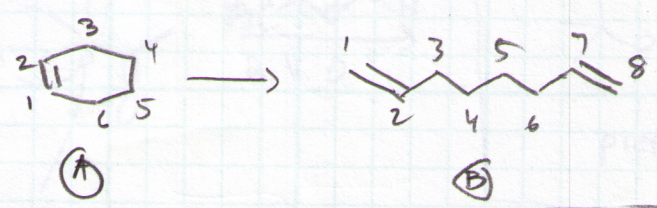


Complete the synthesis



- ① How do you ring-open (A)?
- ② How do you add 1 C to each end while keeping C=C at ends?

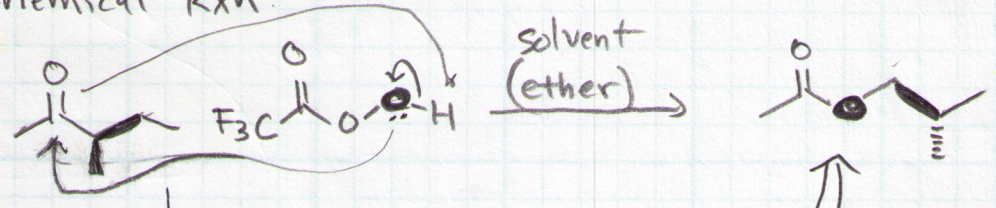
This problem was strategy practice

### Baeyer-Villiger Oxidation

↳ converts ketones to esters and cyclic esters (lactones) that provide a feed stock for synthetic chemists to build biologically active and pharmaceutically relevant compounds in addition to those used in the fragrance sector.

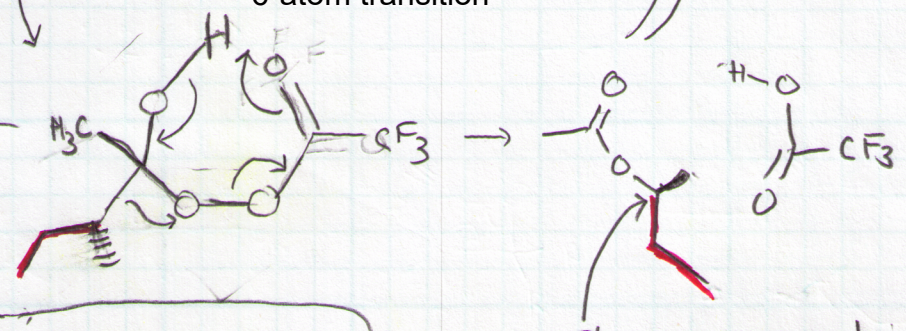
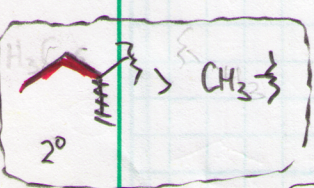
An enzyme called Baeyer-Villiger monooxygenase converts ketones to biodegradable esters.

### Chemical Rxn.

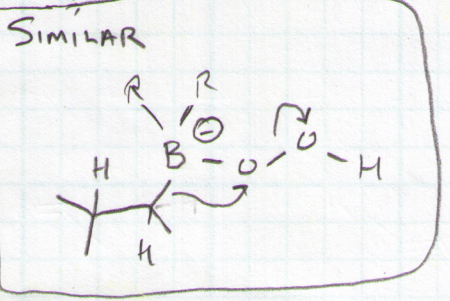


6-atom transition

migration preference



Stereoisomerism retained



Recall that a similar reaction occurred during the oxidative deborylation reaction when converting alkenes and alkynes to alcohols and carbonyl prods.