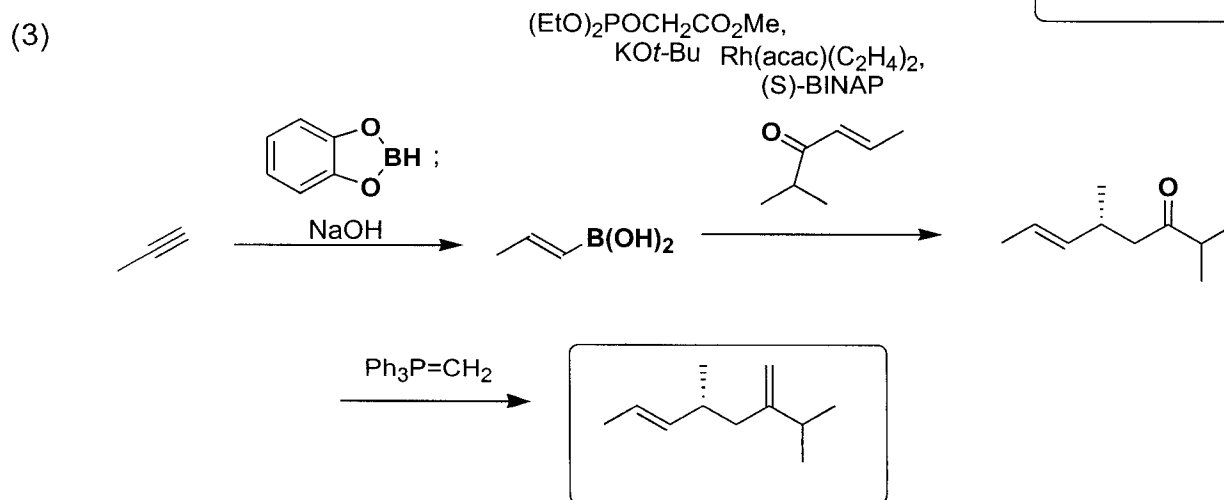
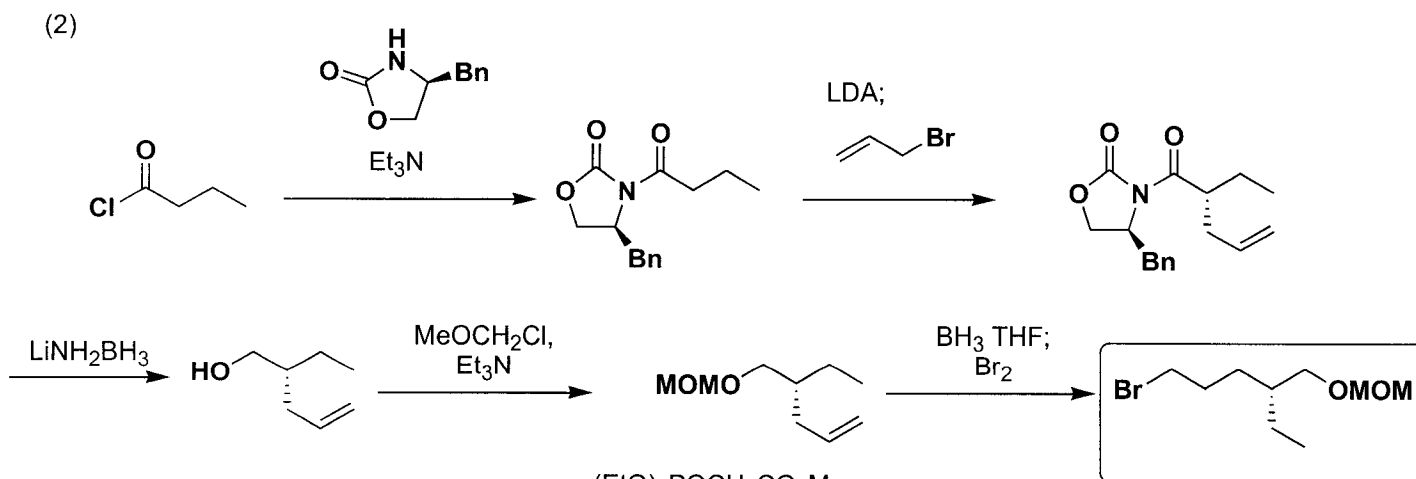
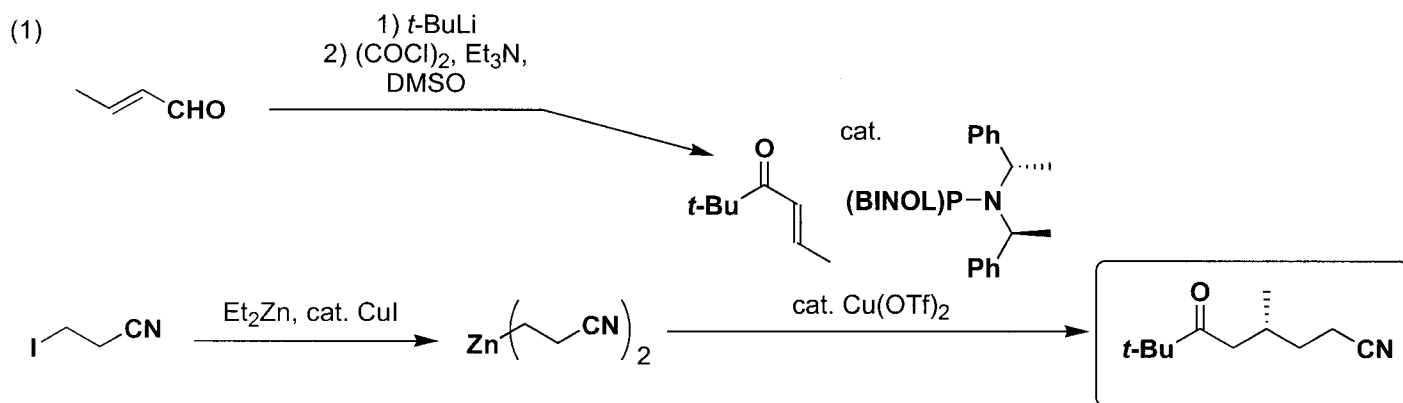


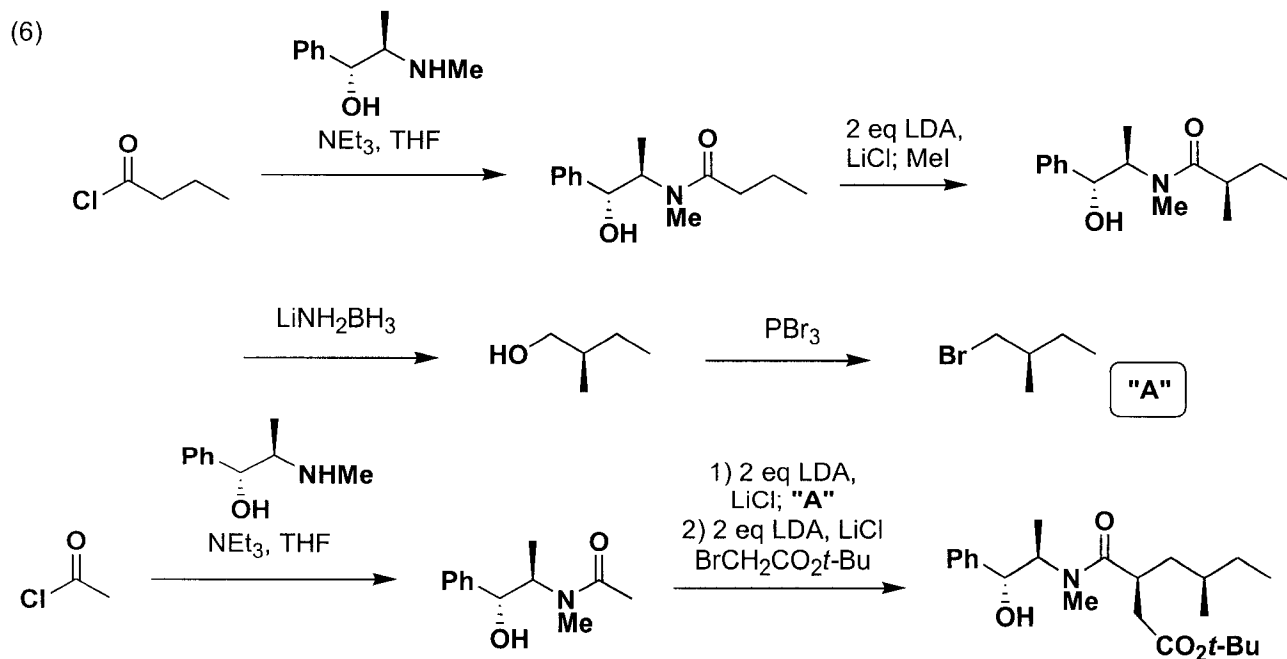
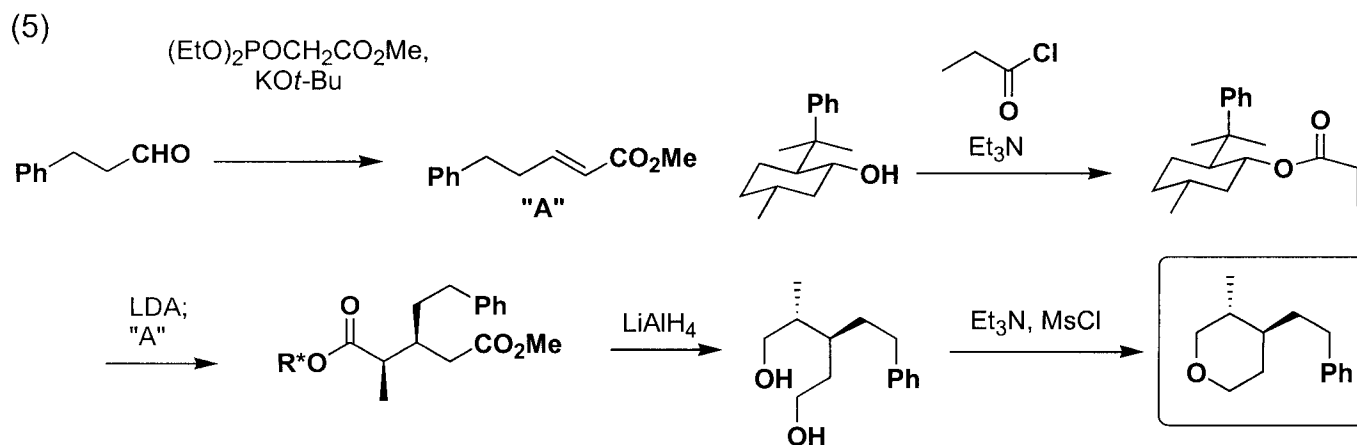
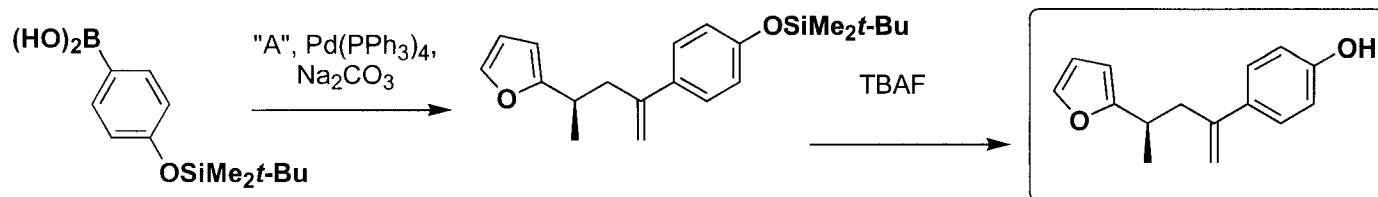
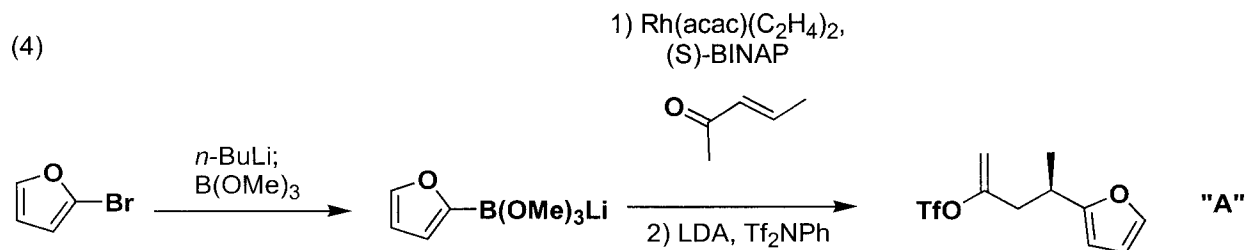
Massachusetts Institute of Technology

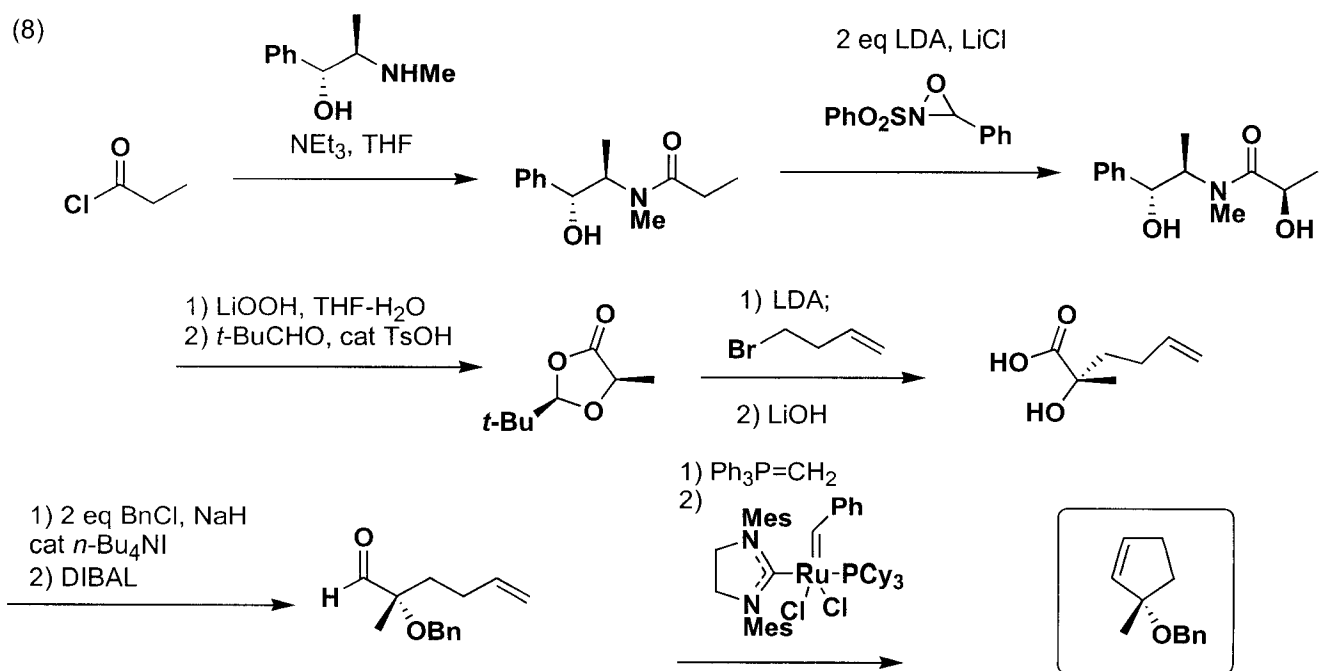
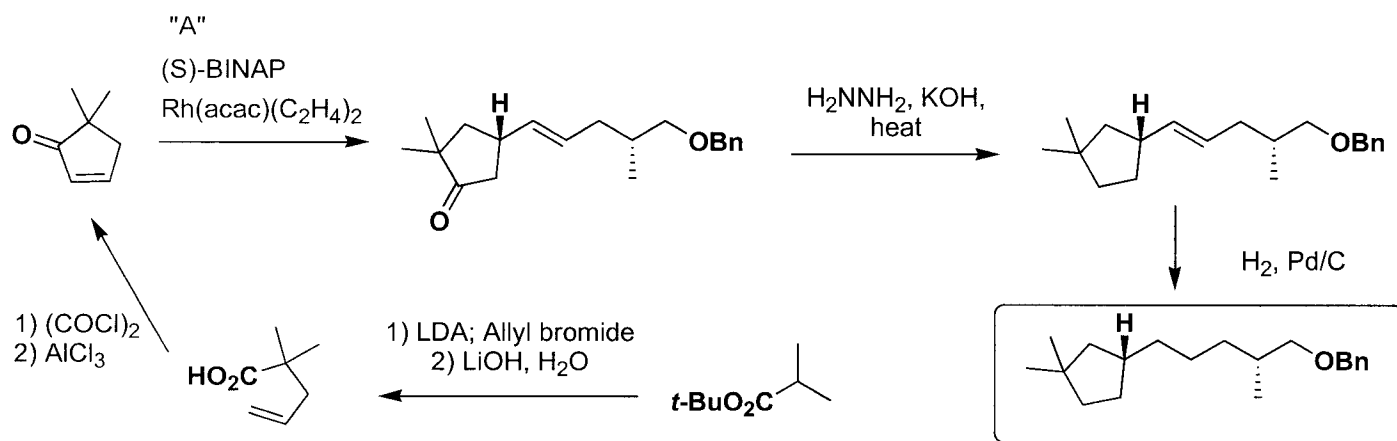
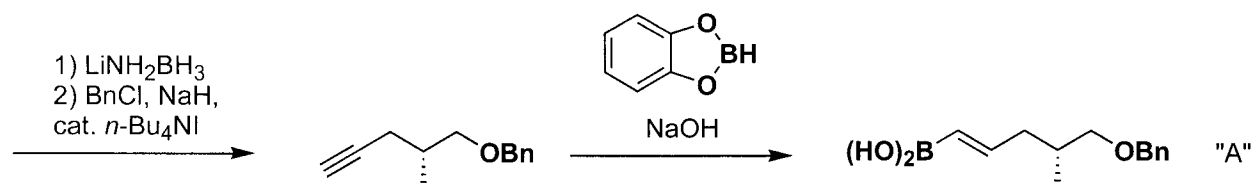
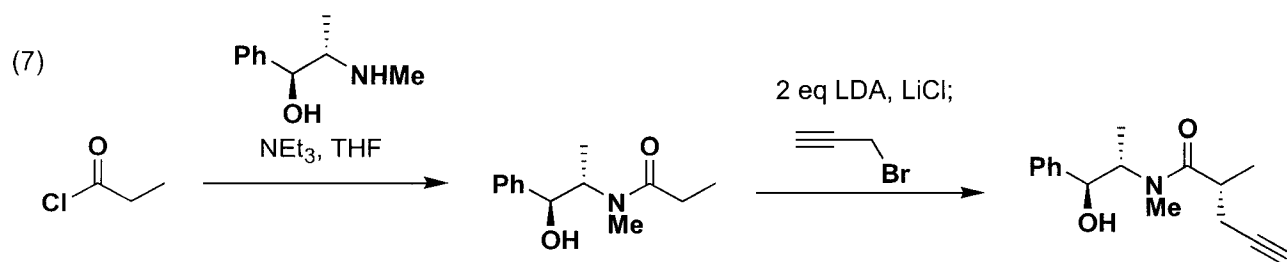
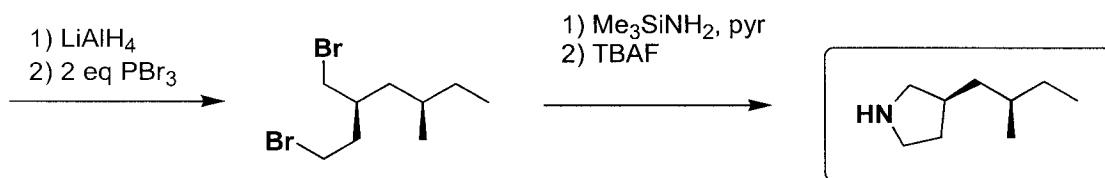
Organic Chemistry 5.512

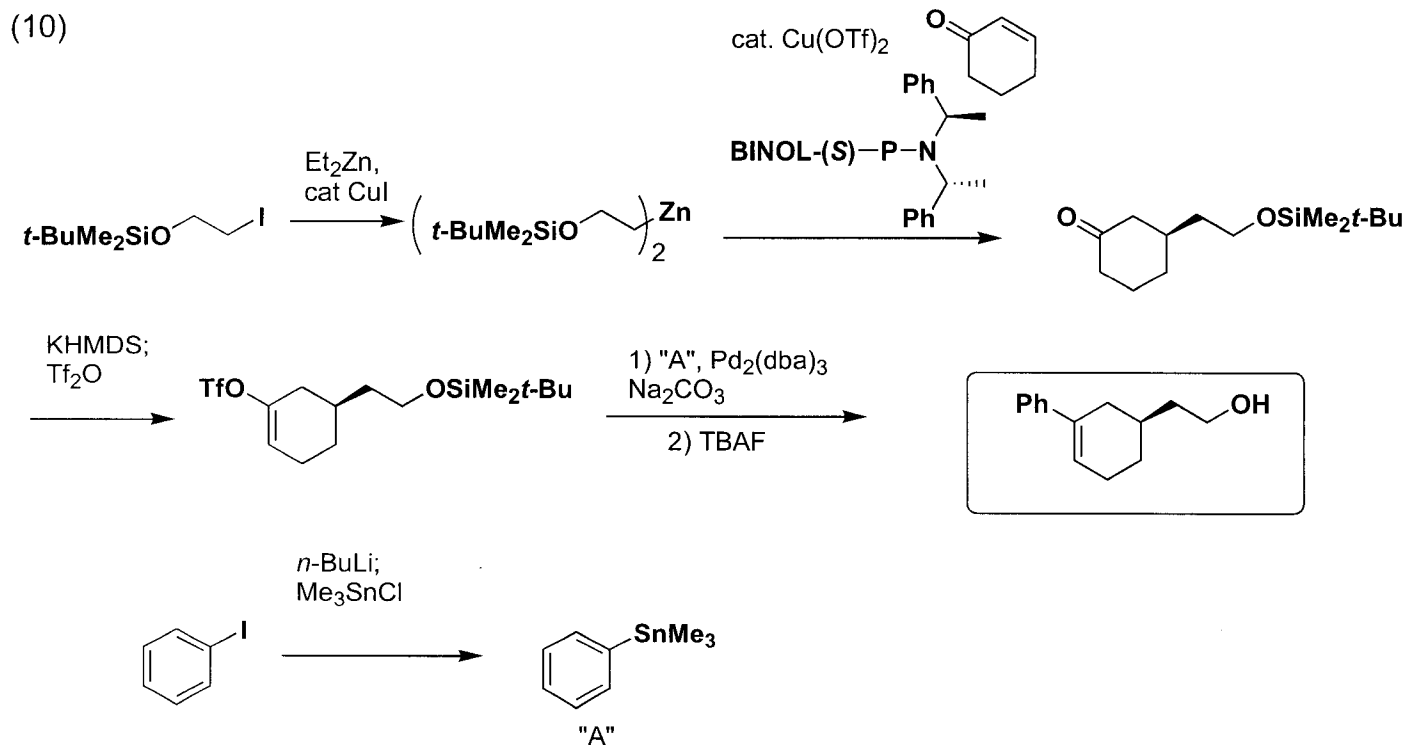
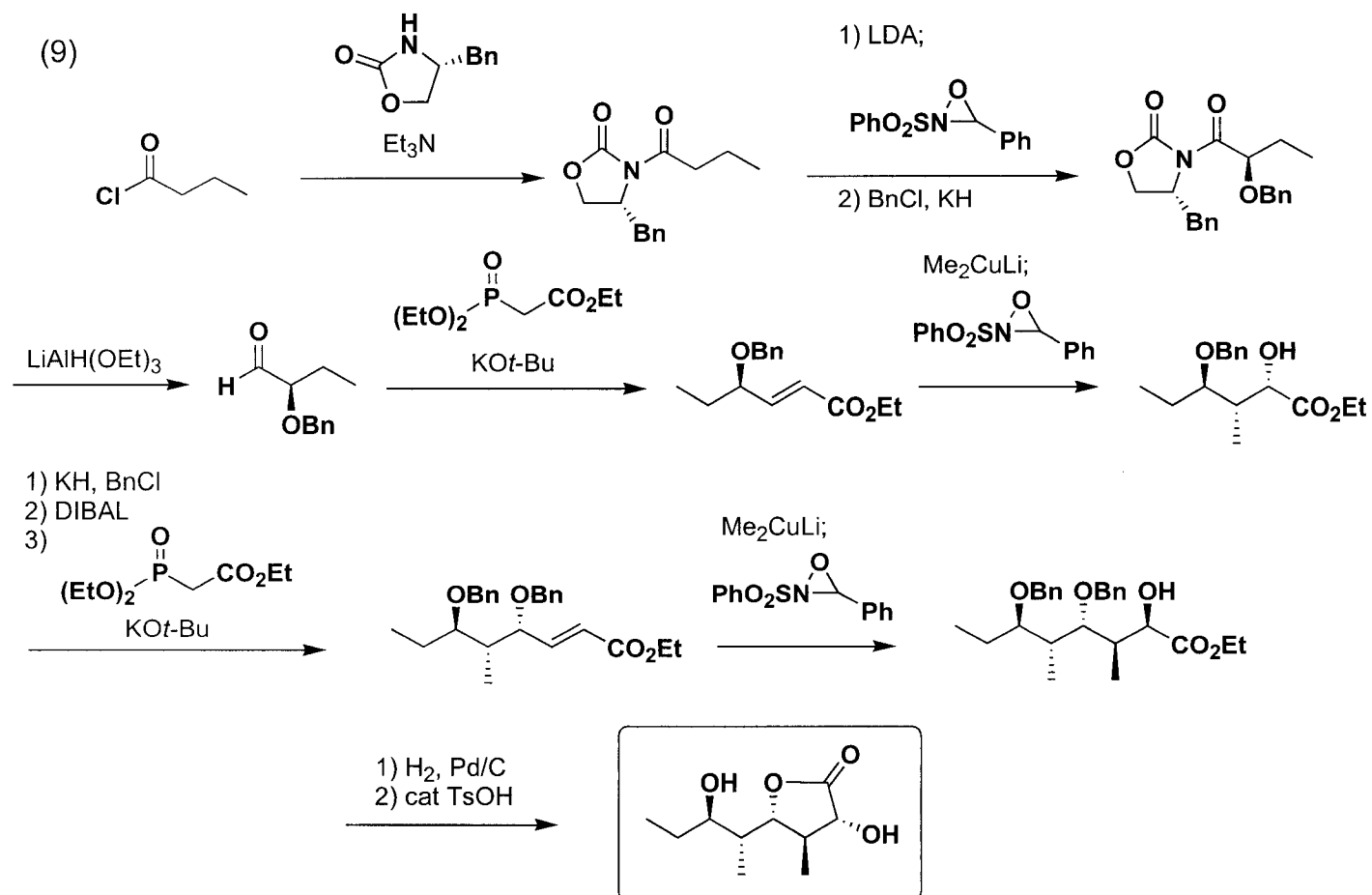
April 6, 2005
Wesley Austin

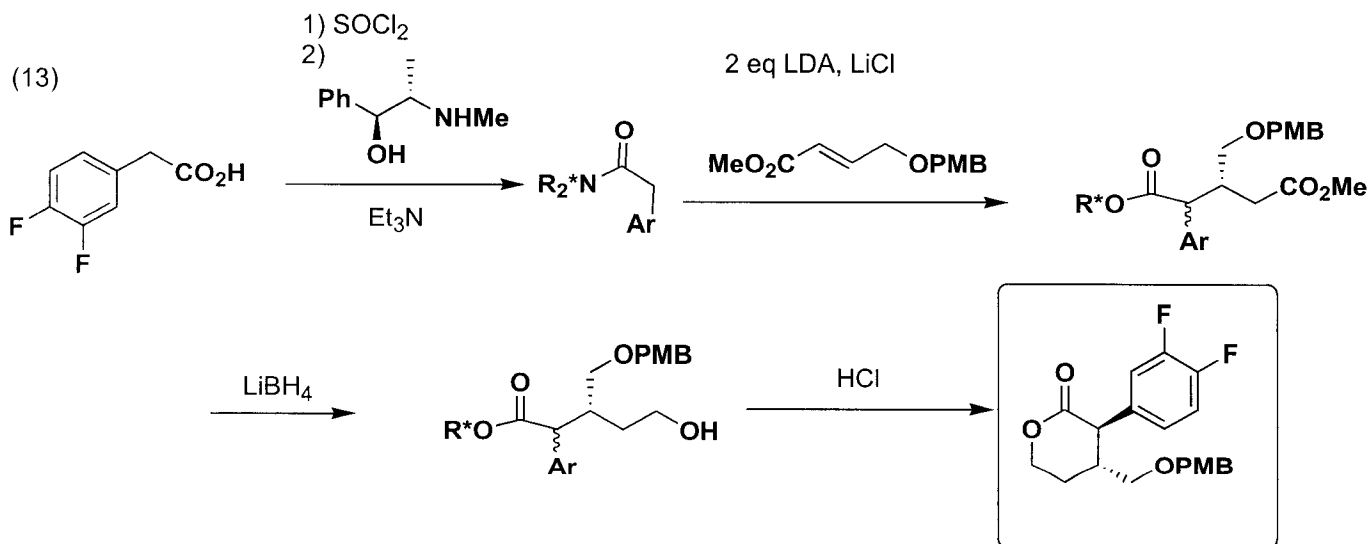
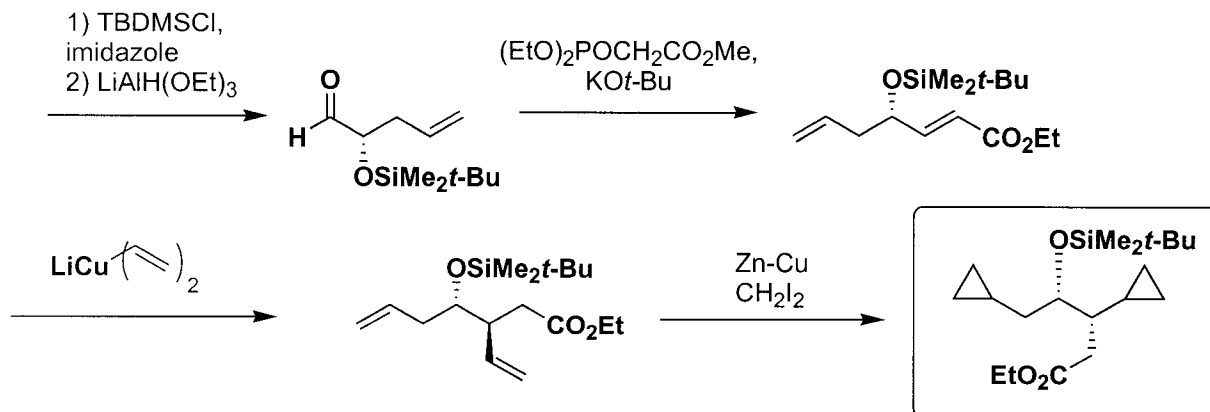
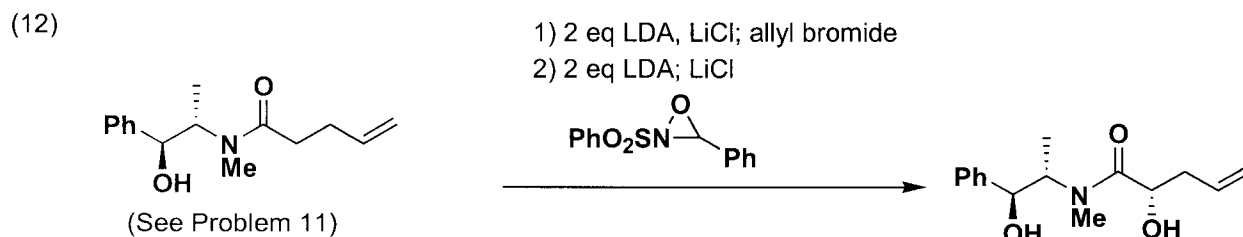
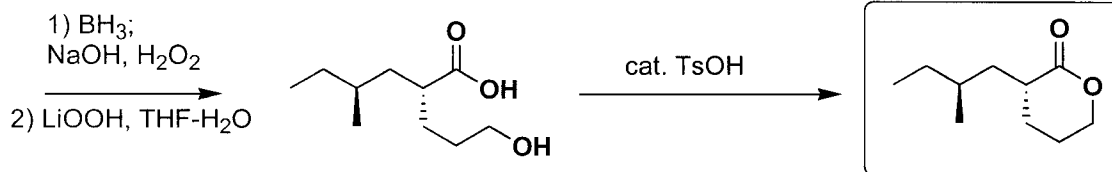
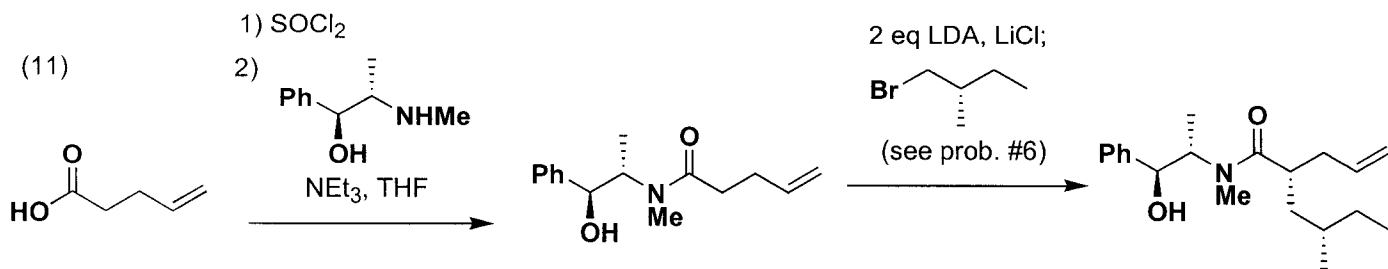
Problem Set 4 Solutions Practice Problems for First Exam



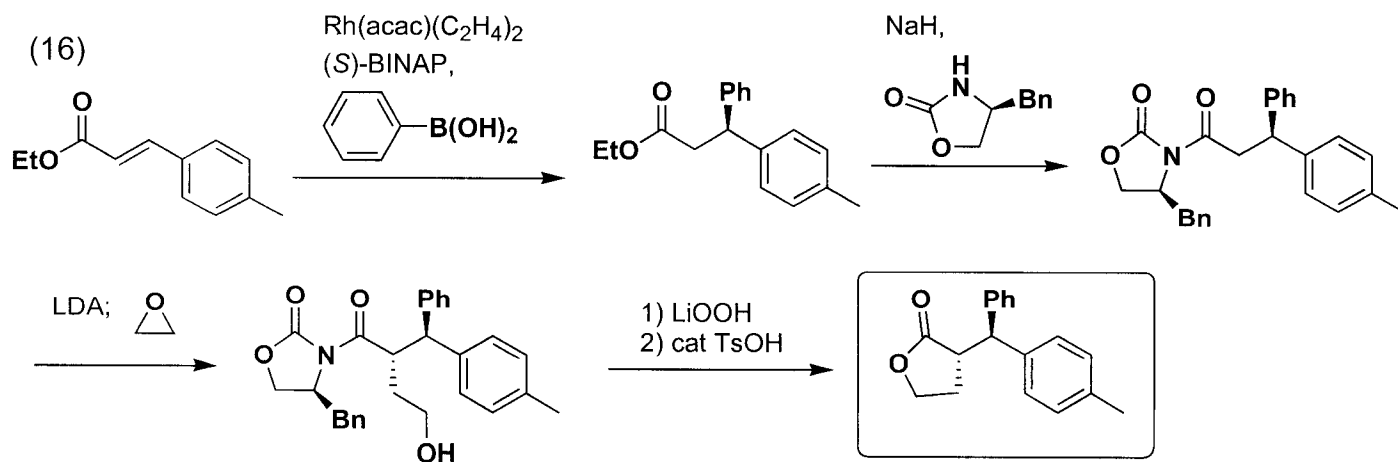
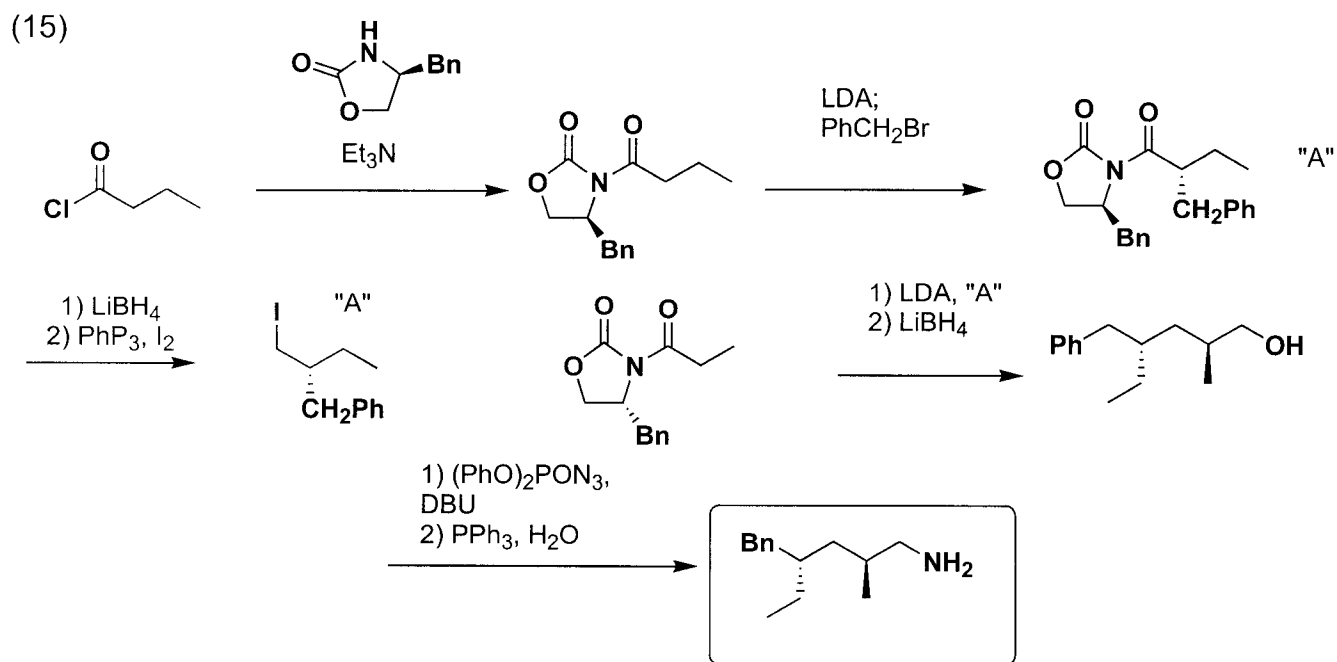
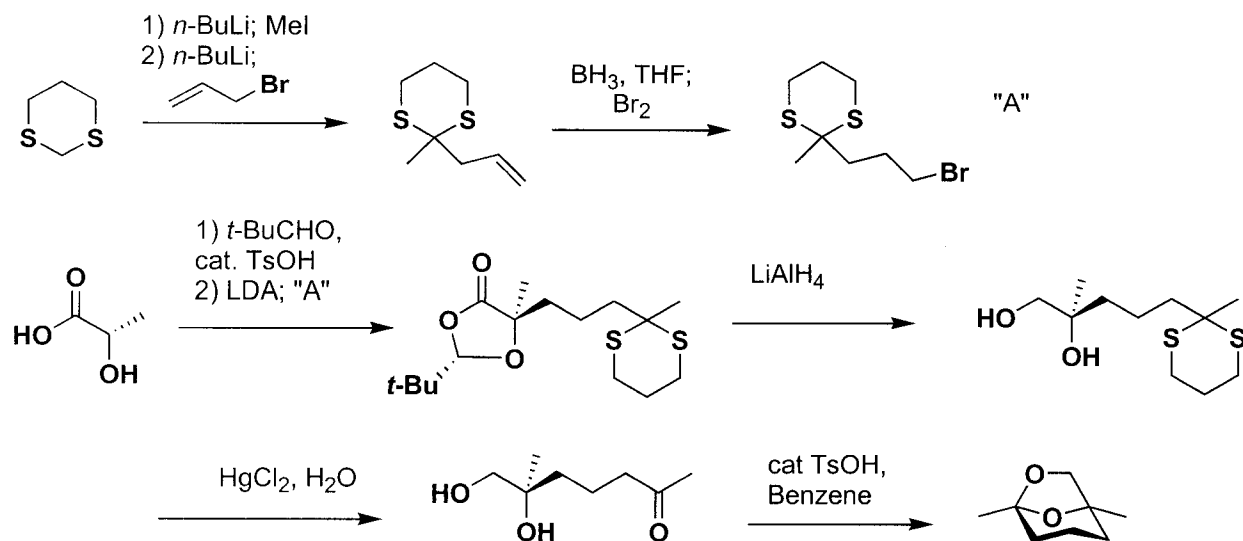




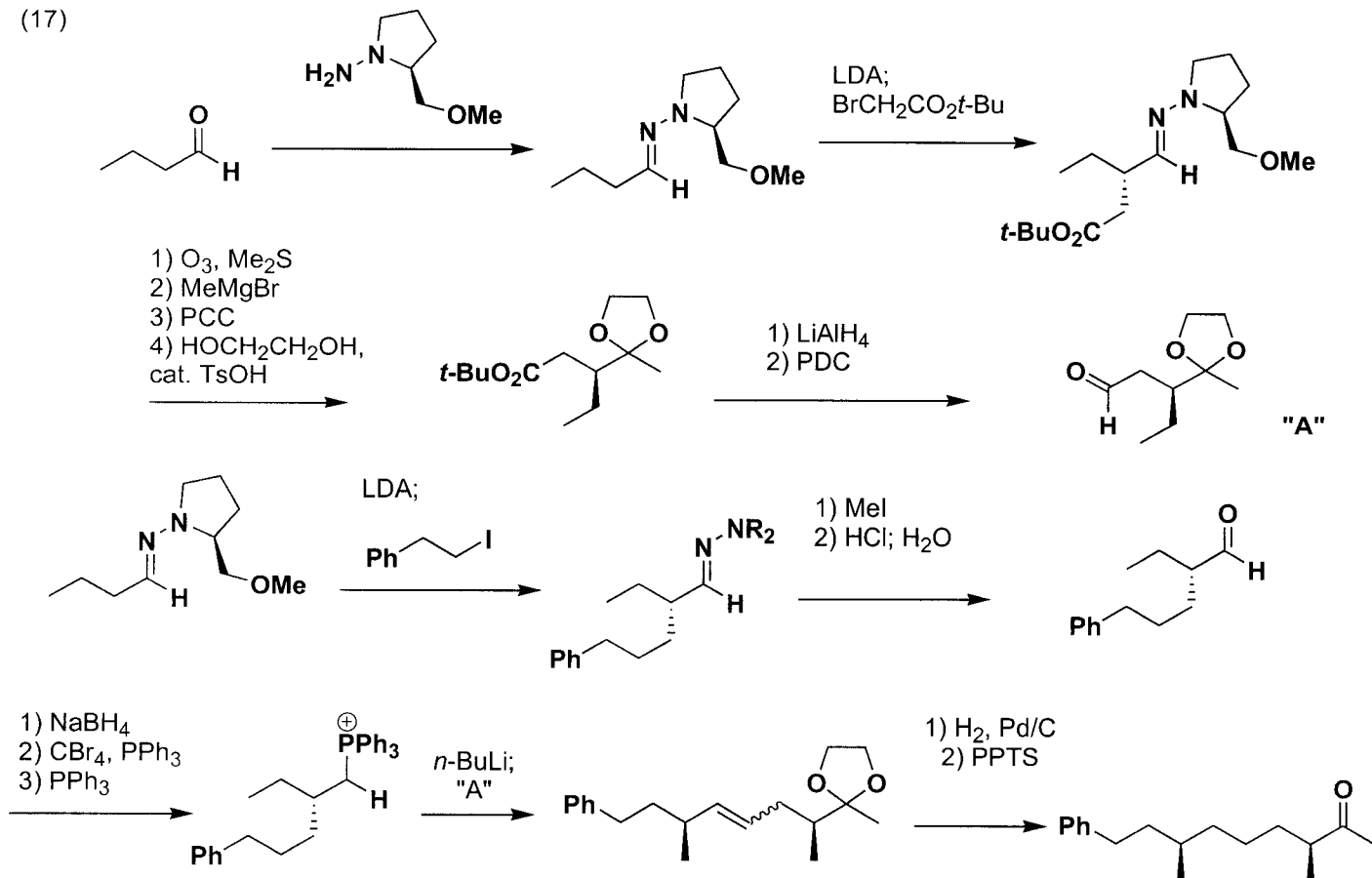




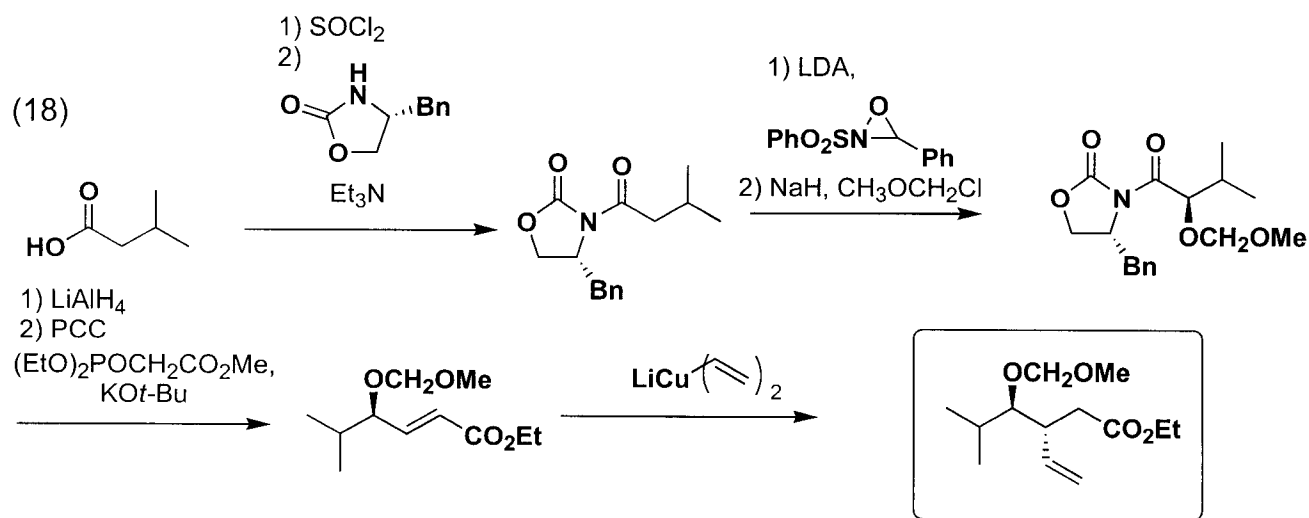
14) (-)-Frontalin. See also Seebach, *Liebigs Ann. Chem.* **1983**, 1930.



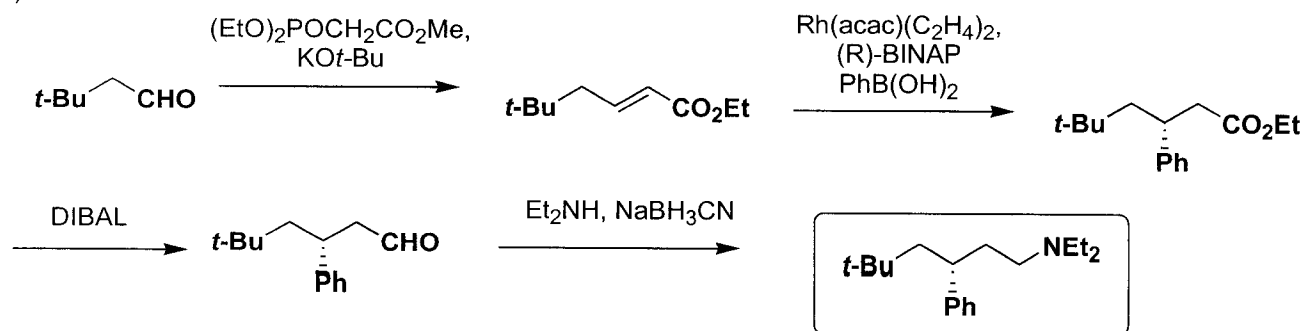
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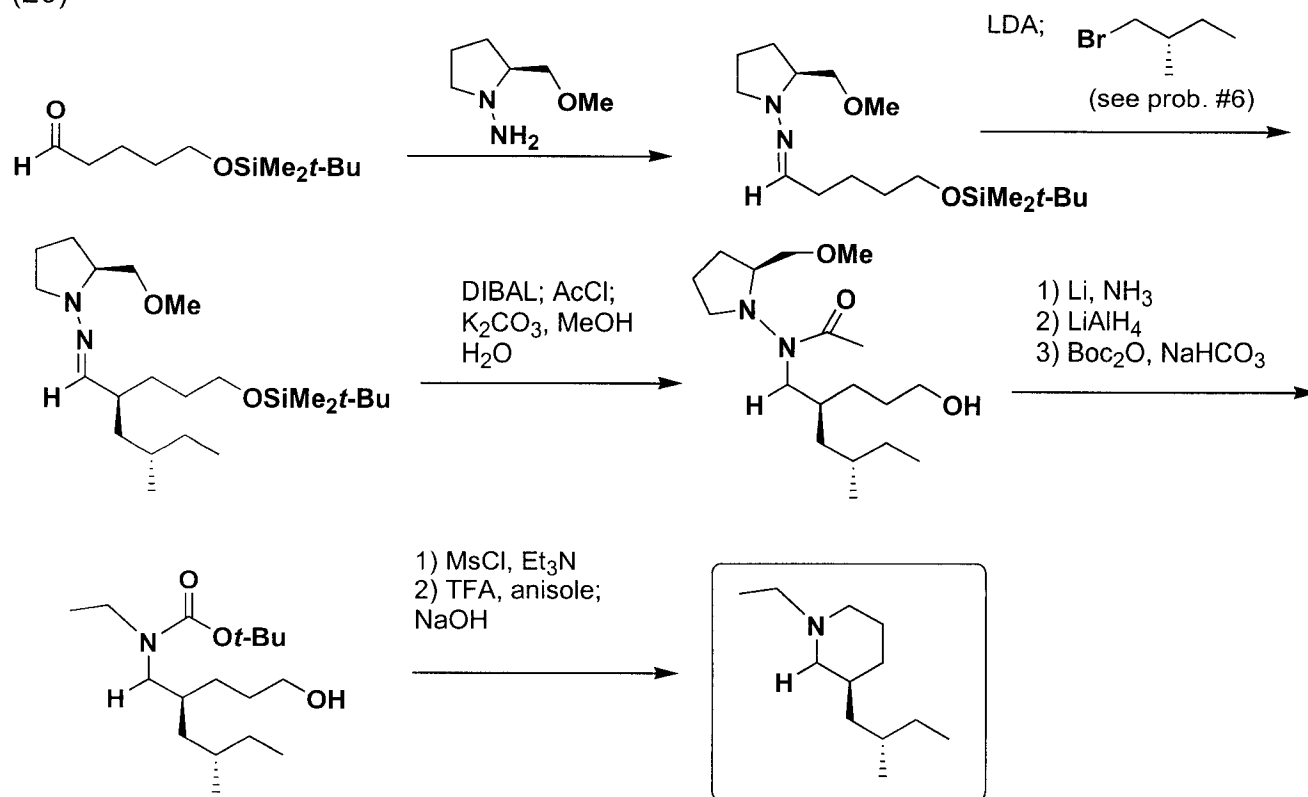
(18)



(19)



(20) (S,S)-Stenusine. See Enders, *J. Org. Chem.* **1993**, 58, 4881.



(21)

