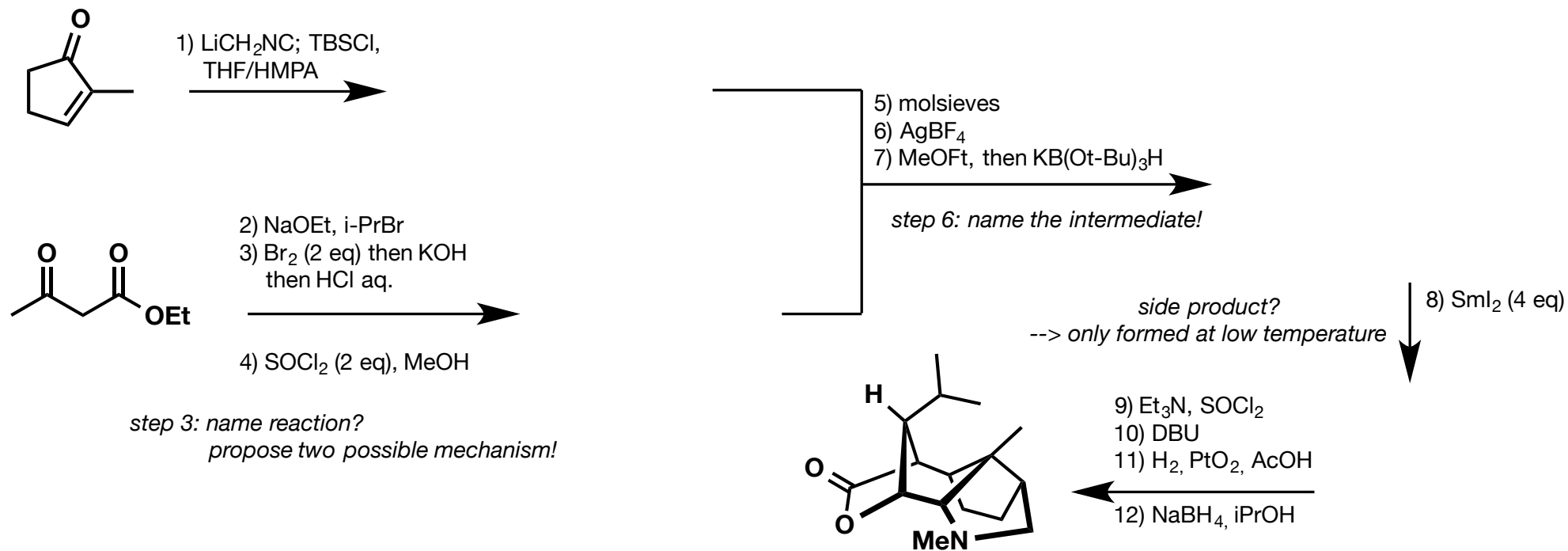
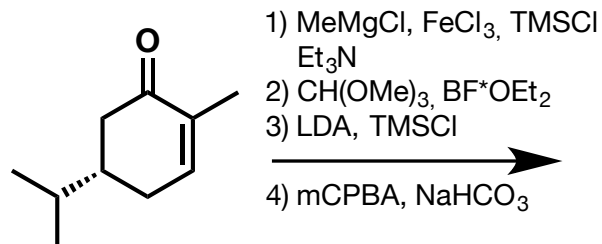


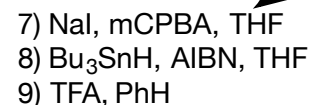
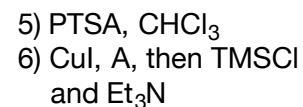
T. Livinghouse *JACS* **1992**, *114*, 4089 Total Synthesis of Dendrobine (racemic)



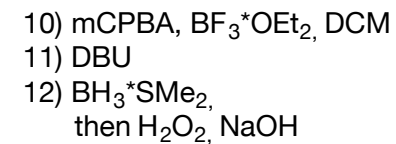
C.-K. Sha *J. Am. Chem. Soc.* **1997**, *119*, 4130 Total Synthesis of (-)-Dendrobine (enantioselective)



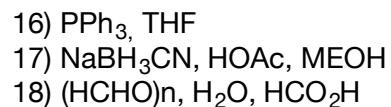
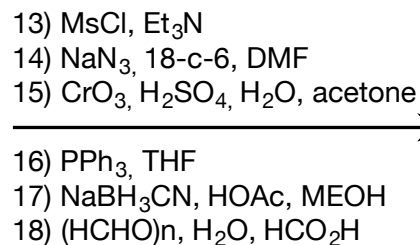
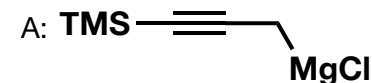
Name reaction step 3 + 4!
Alternatives?



Stereochemistry of step 6?
Explain!



Related reaction of step 10 + 11?



Name reaction of step 18!

