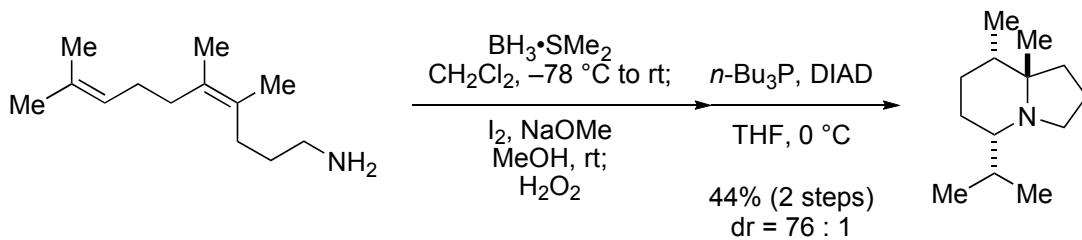


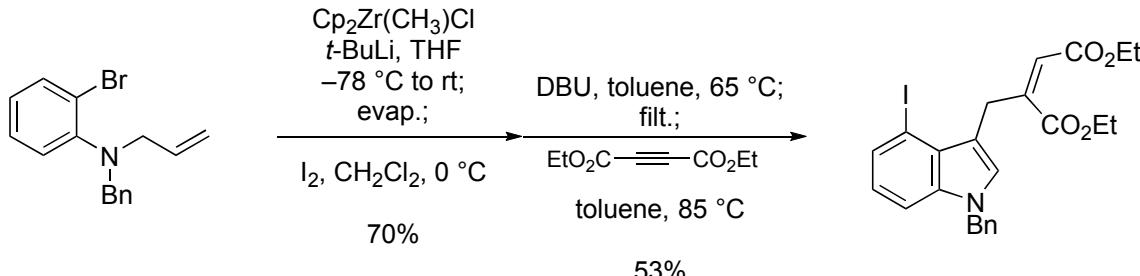
Name _____

1.



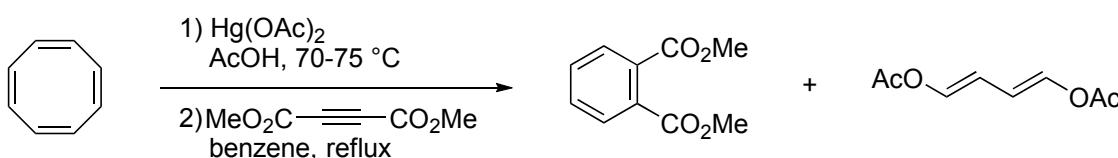
R. A. Shenvi *et al.*, *J. Am. Chem. Soc.*, **134**, 2012 (2012)

2.



S. L. Buchwald *et al.*, *J. Am. Chem. Soc.*, **113**, 4685 (1991)

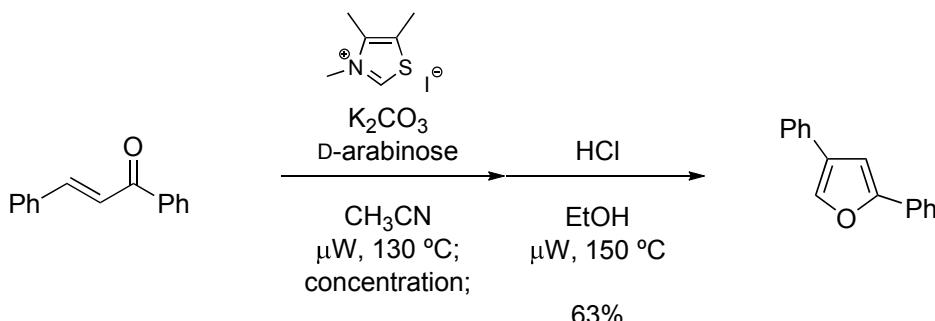
4.



演習で学ぶ有機反応機構 例題C (化学同人)

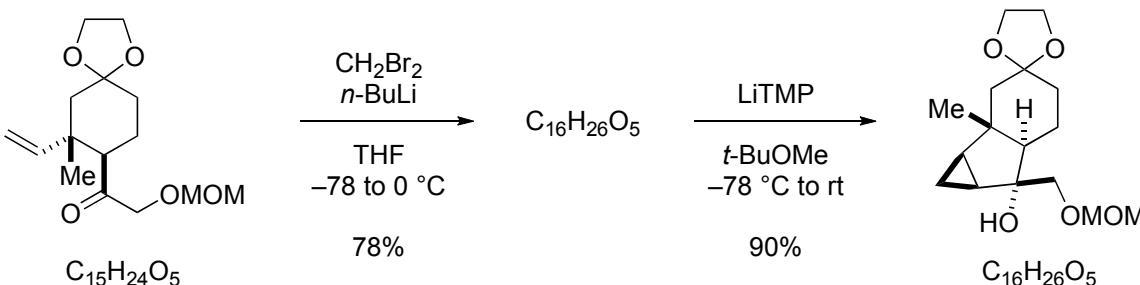
C. R. Noller and R. Dinsmore, *Org. Synth., Coll. Vol. II*, 358 (1943)

5.



Y. R. Chi *et al.*, *J. Am. Chem. Soc.*, **135**, 8113 (2013)

6.



B. Liu *et al.*, *Org. Lett.*, **13**, 5406 (2011)

3. Provide the pKa values of these acids. You may round off the values to the nearest whole number.

