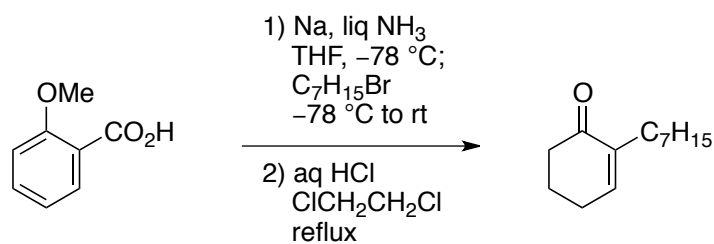


Name _____

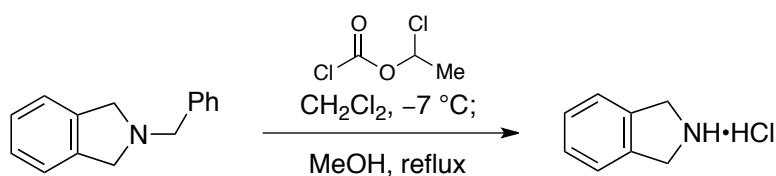
1.



演習で学ぶ有機反応機構 (化学同人) A39

D. F. Taber, B. P. Gunn, I.-C. Chiu, *Org. Synth., Coll. Vol. VII*, 249 (1983)

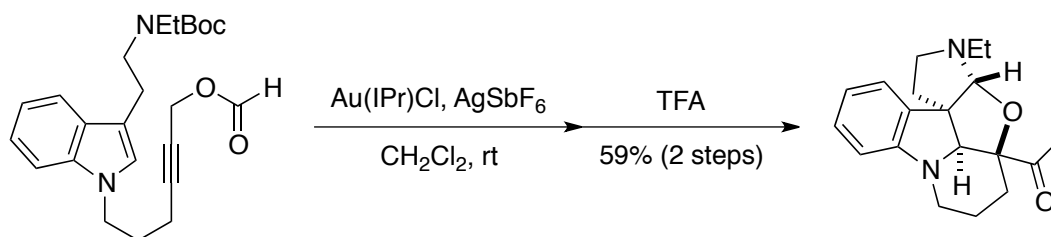
2.



演習で学ぶ有機反応機構 (化学同人) B19

B. V. Yang *et al.*, *Synlett.*, 195 (1993)

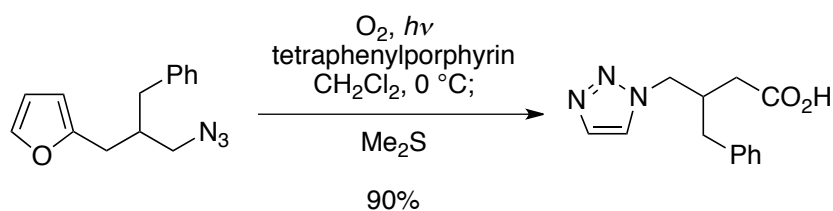
3.



problem 03/09/2019 Q2

H. Zheng *et al.*, *Org. Lett.*, **20**, 4439 (2018)

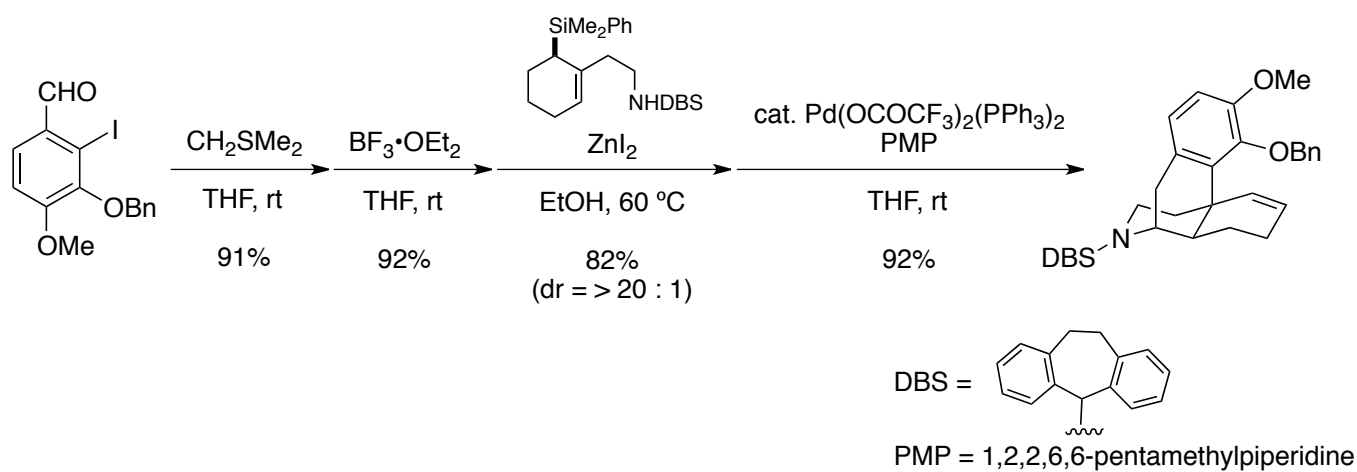
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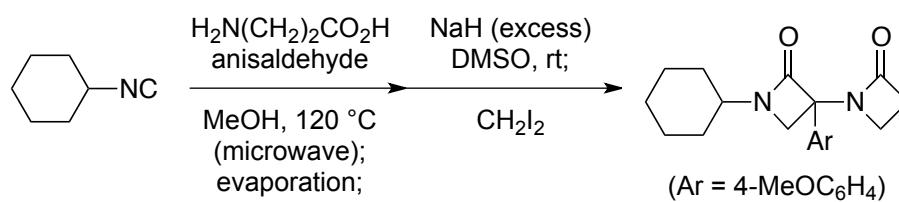
problem 04/06/2019 Q4

R. Altundas *et al.*, *Org. Lett.*, **15**, 4790 (2013)

5.

L. E. Overman *et al.*, *J. Am. Chem. Soc.*, **115**, 11028 (1993)

6.

L. El Kaïm *et al.*, *Eur. J. Org. Chem.*, **Early View**
DOI: 10.1002/ejoc.201900678