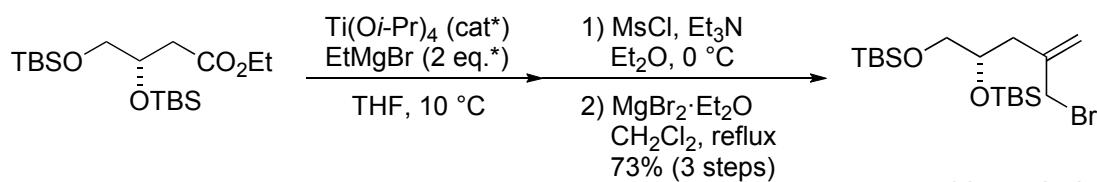


Name \_\_\_\_\_

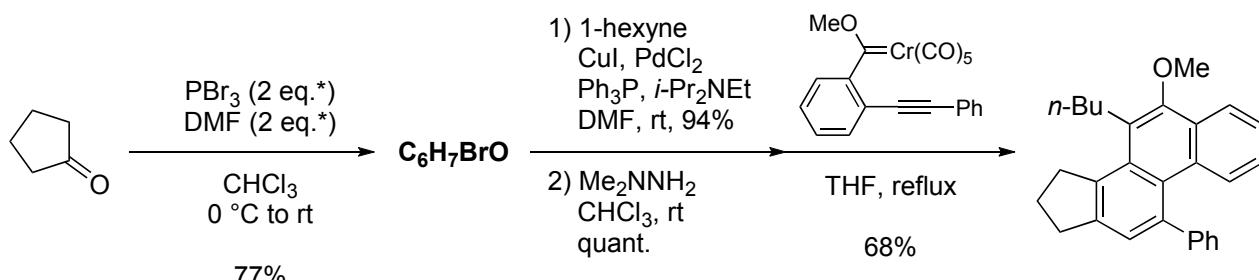
1.



\*theoretical amount

J. Mulzer *et al.*, *Org. Lett.*, **10**, 4701 (2008)

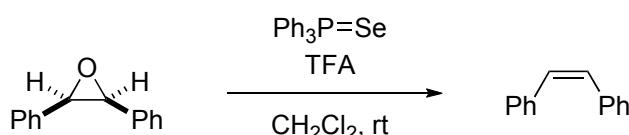
2.



\* theoretical amount

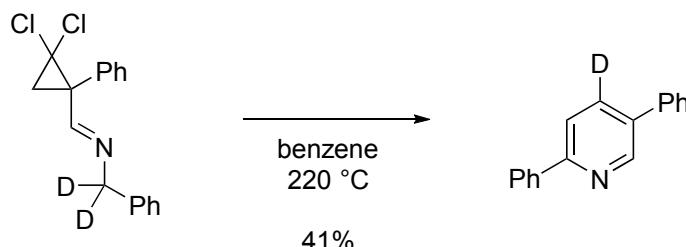
Y. Zhang and J. W. Herndon, *Org. Lett.*, **5**, 2043 (2003)  
 J. W. Herndon and H. Wang, *J. Org. Chem.*, **63**, 4564 (1998)

4.



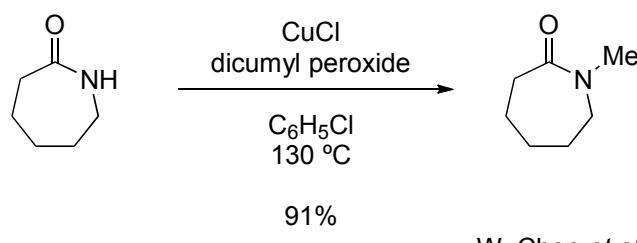
演習で学ぶ有機反応機構B102 (化学同人)  
 D. L. J. Clive and C. V. Denyer, *J. Chem. Soc., Chem. Commun.*, 253 (1973)

5.



S. Kagabu *et al.*, *J. Chem. Soc., Perkin Trans. 1*, 739 (1994)

6.



W. Chen *et al.*, *Org. Lett.*, **15**, 3326 (2013)

3. (a) Draw the structures of the reagents below.

AIBN

Meldrum's acid

CSI

TosMIC

DABCO

(b) Provide the names in the full lengths.

CSA

DBU

EDCI

NBS

NMO