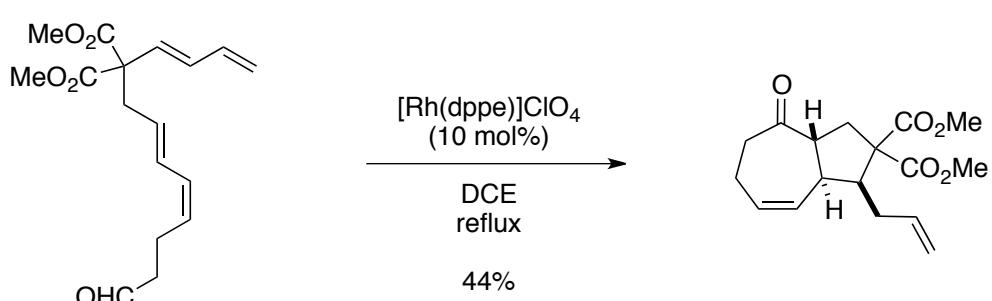


# Fukuyama Group - Group Meeting Problems

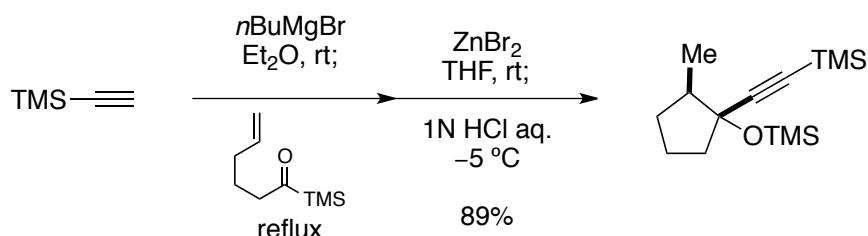
02/06/2016

1



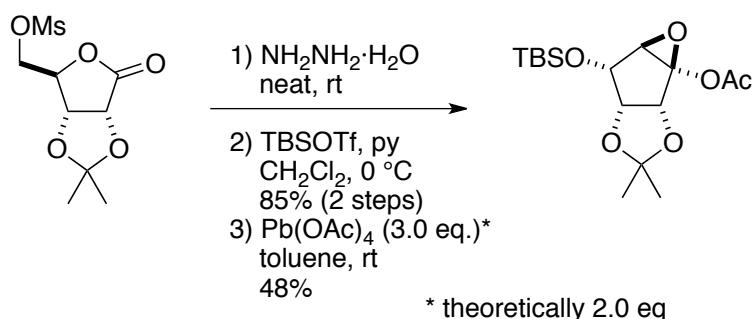
Y. Sato *et al.*, *Tetrahedron Lett.*, **47**, 5617 (2006)

2



I. Marek *et al.*, *Org Lett.*, **7**, 5313 (2005)

3

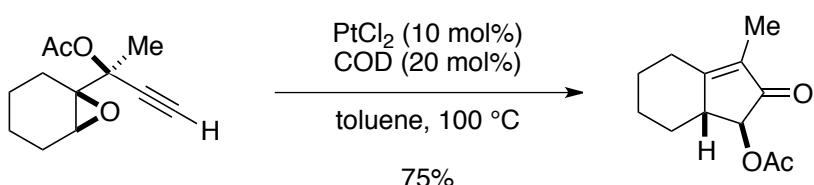


A. Vassella *et al.*, *Helv. Chim. Acta*, **87**, 2405 (2004)

# Fukuyama Group - Group Meeting Problems

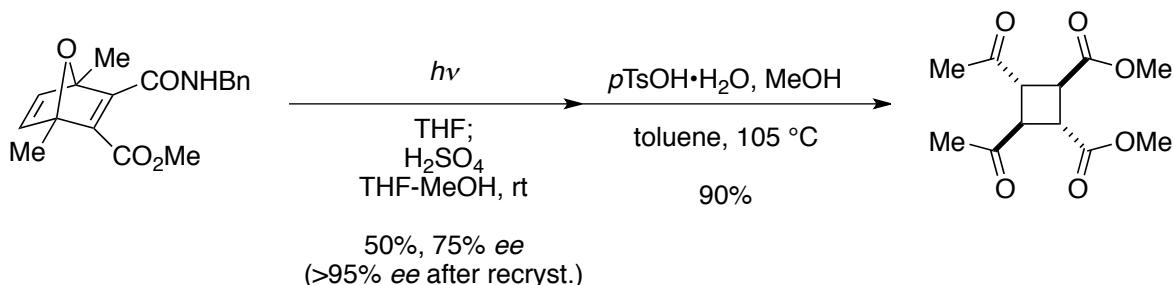
02/24/2016

1



R. Sarpong *et al.*, *J. Am. Chem. Soc.*, **128**, 6787 (2006)

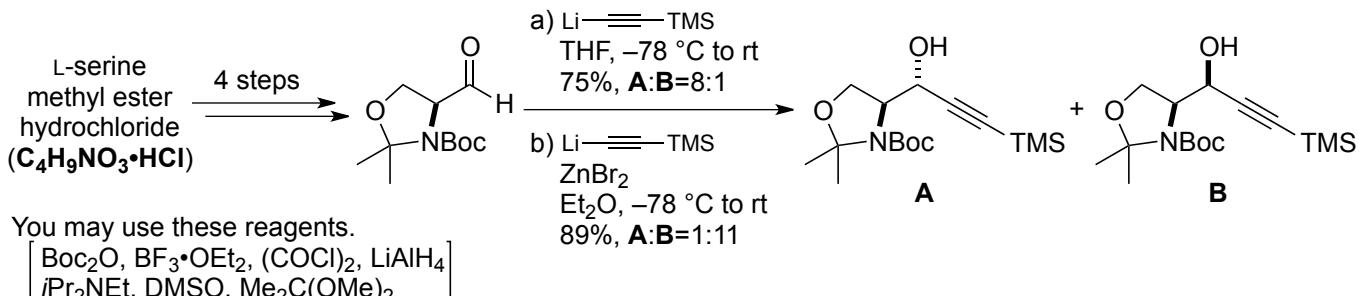
2



P. S. Baran *et al.*, *Angew. Chem. Int. Ed.*, **45**, 249 (2006)

3 1) Propose the synthesis of Garner's aldehyde.

2) Explain the selectivity of carbonyl addition by using Felkin-Anh model.

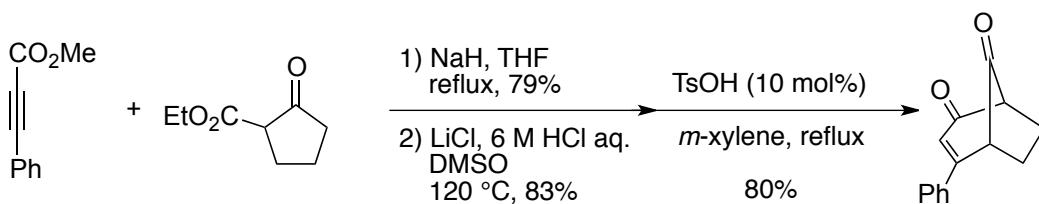


A. Dondoni and D. Perrone, *Org. Synth.*, **77**, 64 (2000)  
P. Herold, *Helv. Chim. Acta*, **71**, 354 (1988)

# Fukuyama Group - Group Meeting Problems

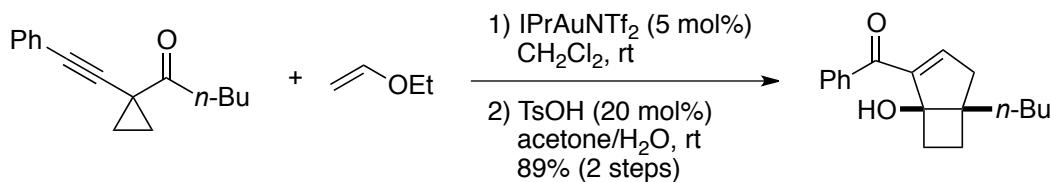
02/27/2016

1



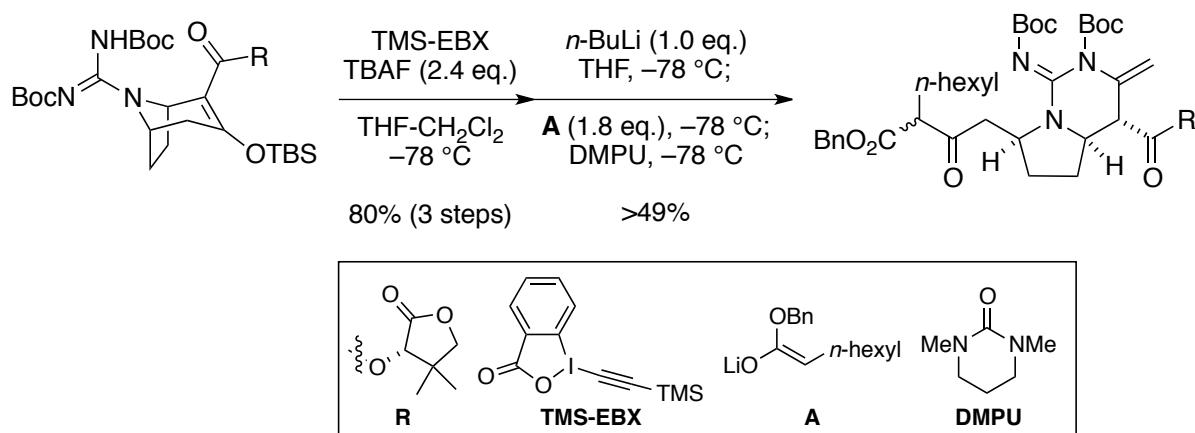
D. J. Dixon *et al.*, *Org. Lett.*, **13**, 664 (2011)

2



L. Zhang *et al.*, *J. Am. Chem. Soc.*, **130**, 6944 (2008)

3



J. Waser *et al.*, *Chem. Eur. J.*, **16**, 9457 (2010)  
S. B. Herzon *et al.*, *Nature*, **525**, 507 (2015)