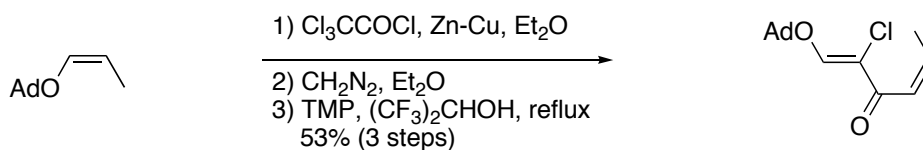


Fukuyama Group - Group Meeting Problems

05/11/2005

Solution: Hoshino

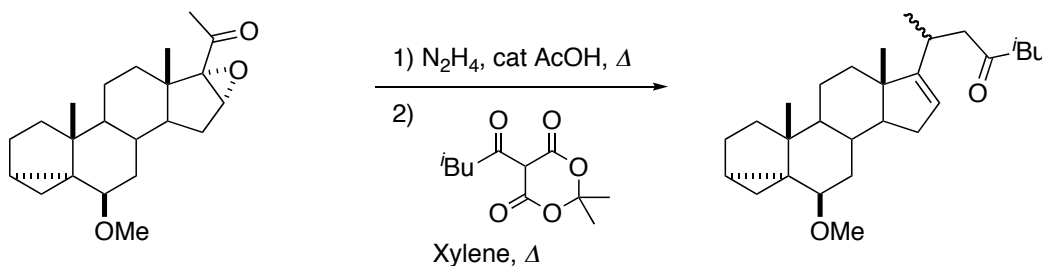
1



Ad: 1-Adamantyl
 TMP: 2,2,6,6-tetramethylpiperidine

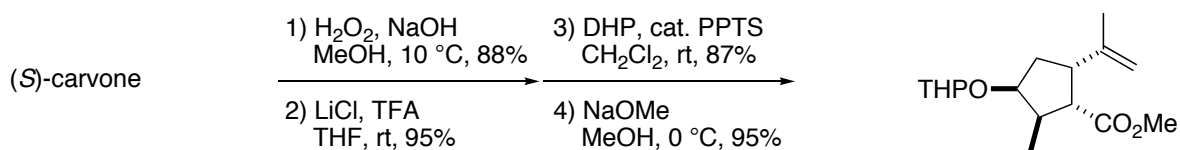
M. Harmata *et al.*, *Org. Lett.*, **7**, 1881 (2005)

2



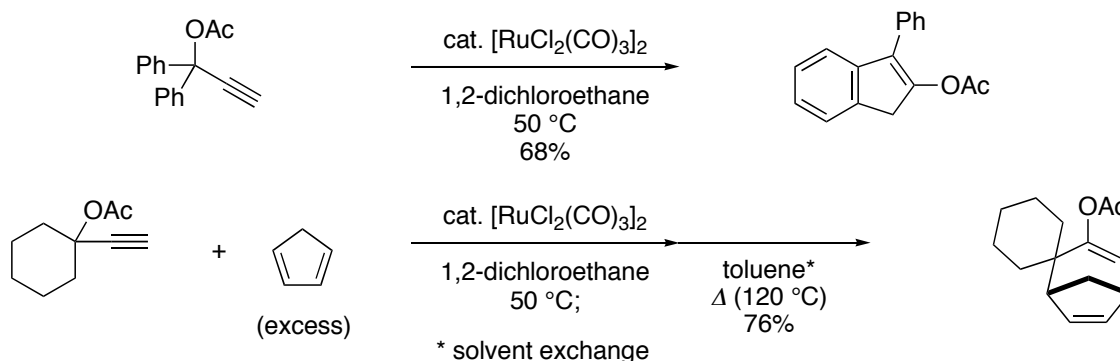
M. Tanabe *et al.*, *J. Am. Chem. Soc.*, **102**, 862 (1980)

3



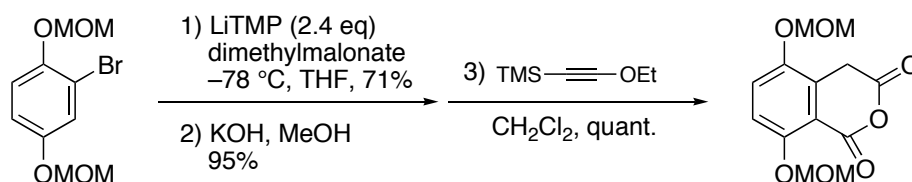
Steven V. Ley *et al.*, *Angew. Chem. Int. Ed.*, **42**, 5996 (2003)

4



K. Ohe, S. Uemura *et al.*, *J. Org. Chem.*, **68**, 8505 (2003)

5



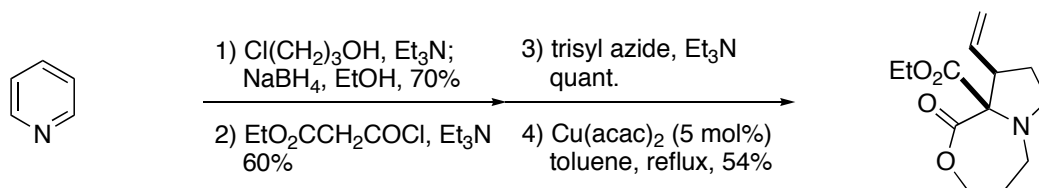
S. J. Danishefsky *et al.*, *J. Am. Chem. Soc.*, **118**, 9509 (1996)

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05/18/2005

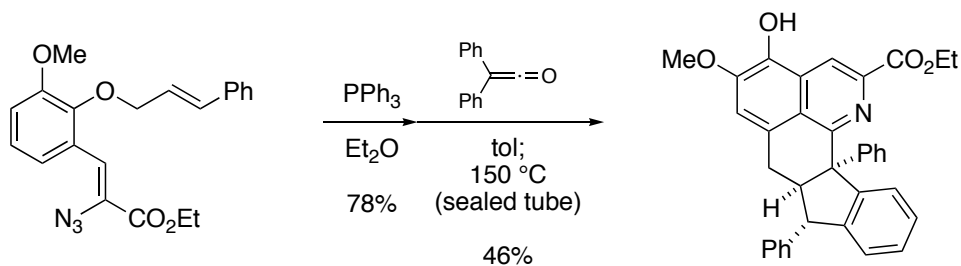
Solution: Furuya

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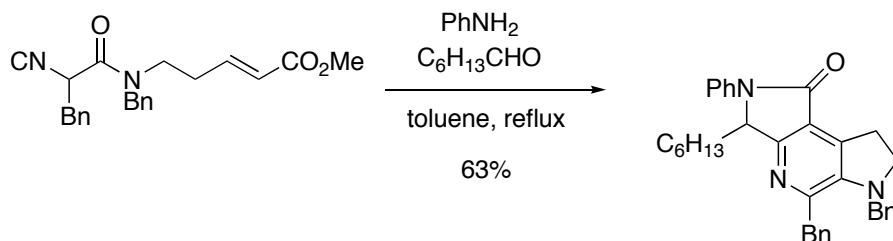
J. B. Sweeney *et al.*, *Org. Lett.*, **7**, 2075 (2005)

2



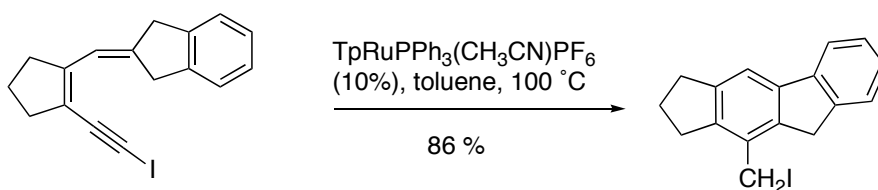
P. Molina *et al.*, *J. Org. Chem.*, **56**, 4008 (1991)

3



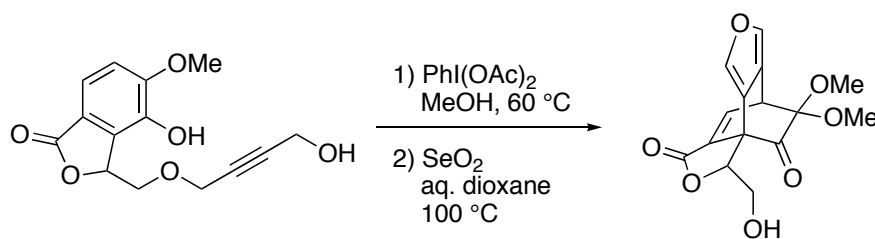
J. Zhu *et al.*, *Org. Lett.*, **7**, 239 (2005)

4



Lian J. J. *et al.*, *J. Am. Chem. Soc.*, **127**, 4186 (2005)

5



MI05146 (05/04/01)