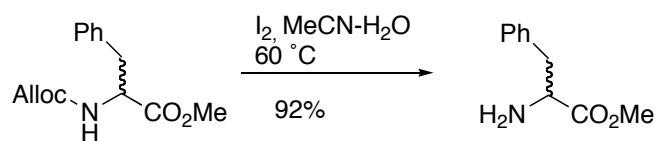


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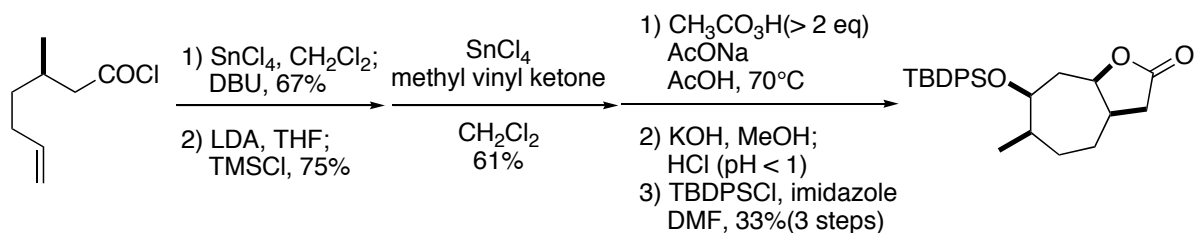
07/06/2005

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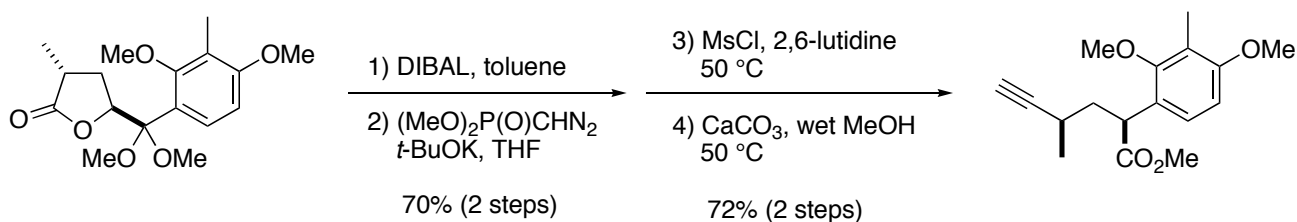
R. H. Szumigala et al, *Tetrahedron Lett.*, **46**, 4403(2005)

2



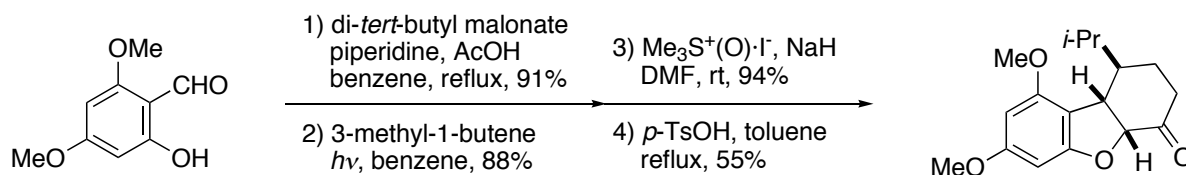
J. Clardy et al., *J. Am. Chem. Soc.*, **116**, 8378 (1994)

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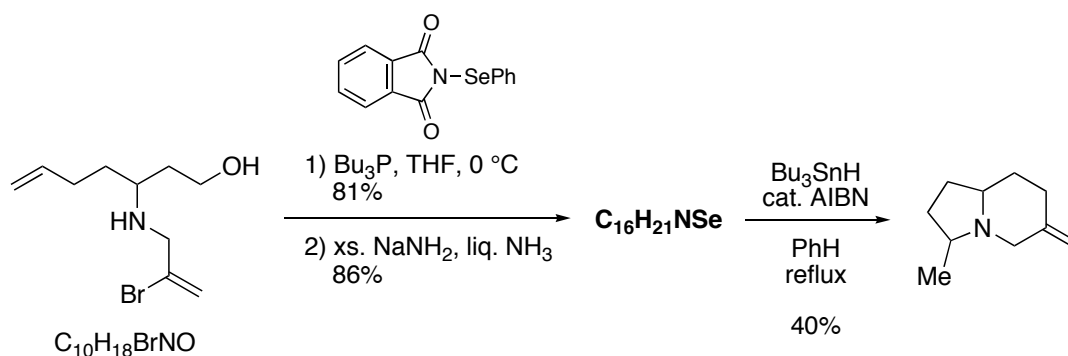
V. H. Rawal et al., *J. Am. Chem. Soc.*, **125**, 13022 (2003)

4



S. Ohta et al., *Heterocycles*, **65**, 1099 (2005)

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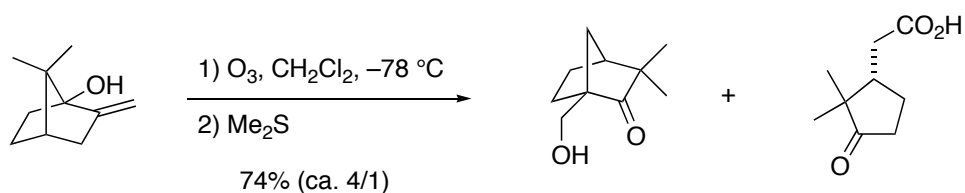


Shipman, M. et al., *Tetrahedron* **58**, 7165 (2002)

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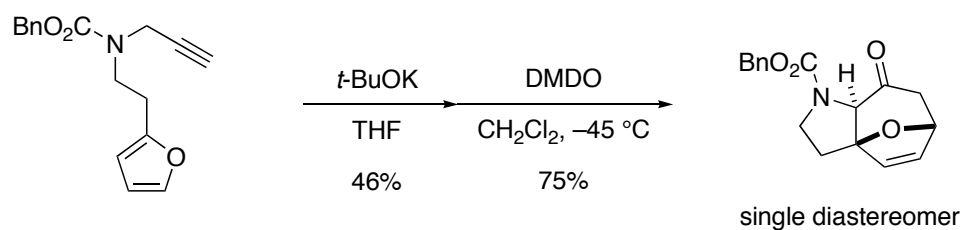
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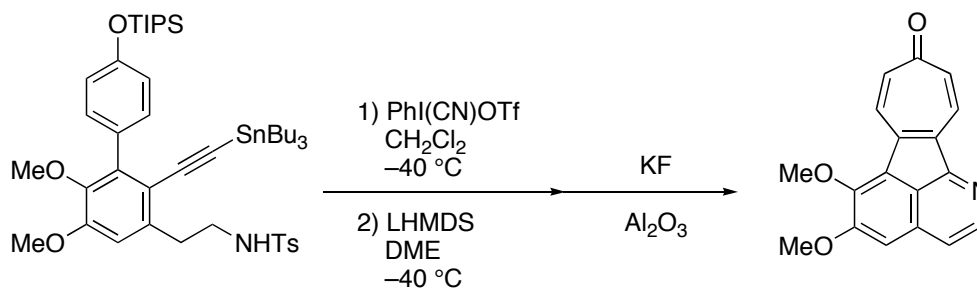
A. G. Martinez *et al.*, *Tetrahedron Lett.*, **46**, 5157 (2005)

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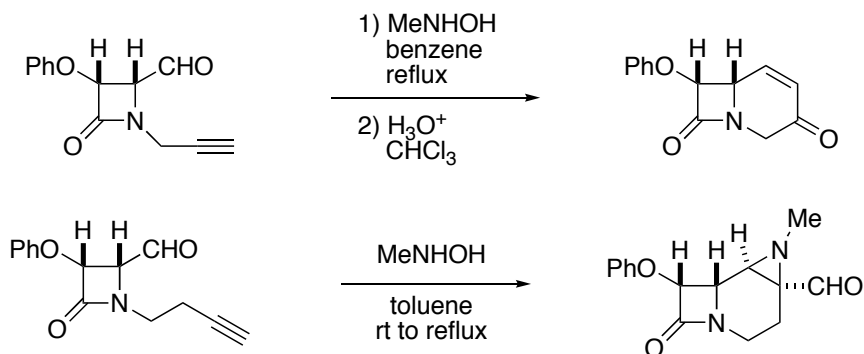
R. P. Hsung *et al.*, *J. Am. Chem. Soc.*, **125**, 12694 (2003)

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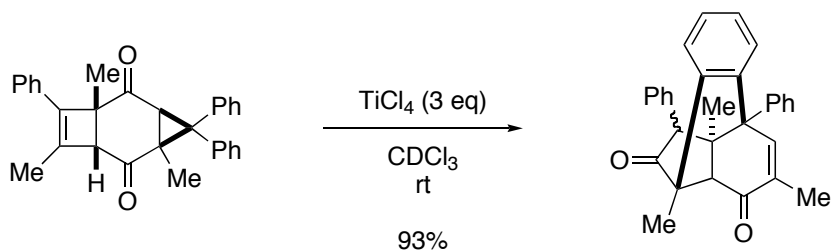
K. S. Feldman *et al.*, *J. Am. Chem. Soc.*, **124**, 11600 (2002)

4



B. Alcaide *et al.*, *Tetrahedron Lett.*, **41**, 1647 (2000)

5



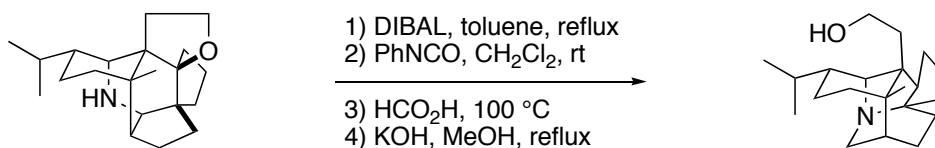
T. Oshima *et al.*, *J. Org. Chem.*, **69**, 4577 (2004)

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07/27/2005

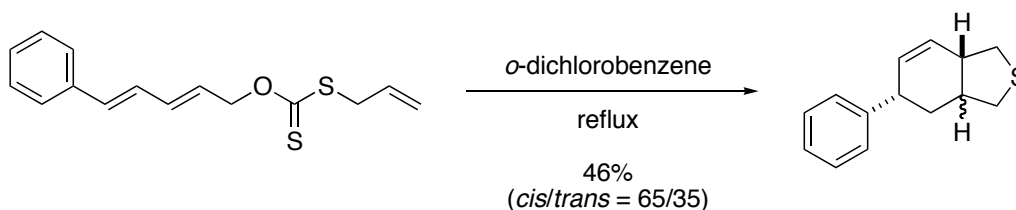
Solution: Uchida

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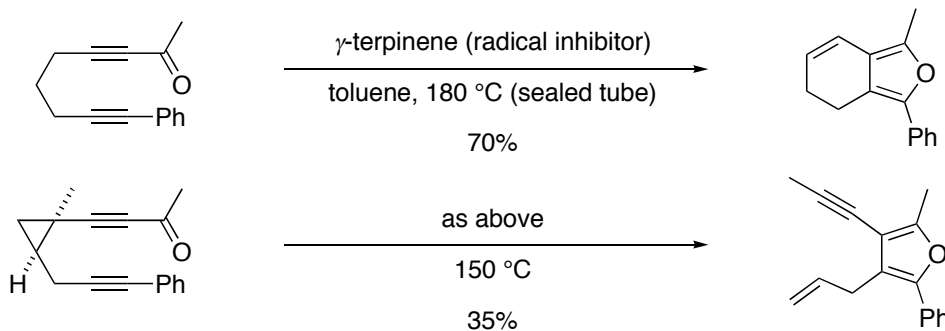
C. H. Heathcock *et al.*, *J. Org. Chem.*, **60**, 1120 (1995)

2



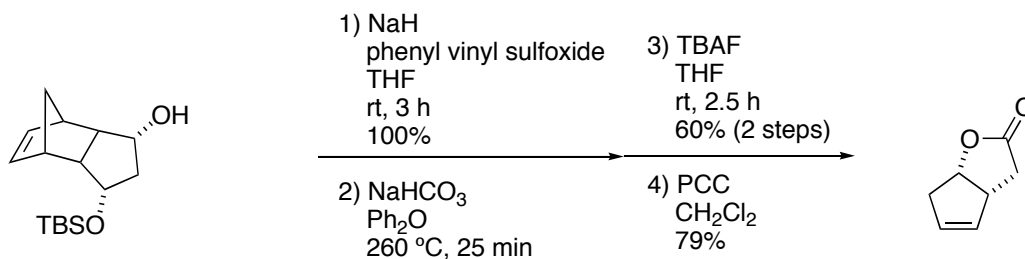
K. Harano *et al.*, *Tetrahedron*, **52**, 13909 (1996)

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R. L. Danheiser *et al.*, *J. Am. Chem. Soc.* **120**, 9378 (1998)

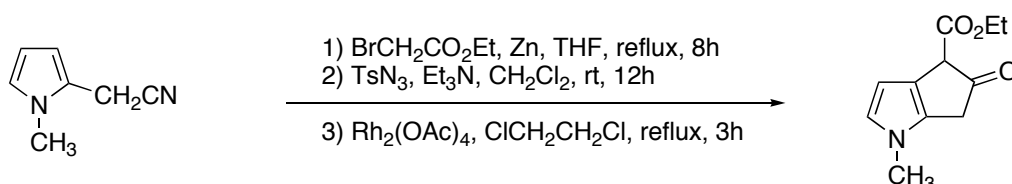
4



K. Ogasawara *et al.*, *Synlett* 319 (1996)

T. Mandai *et al.*, *Tetrahedron Lett.* 4041 (1990)

5



Erick Cuevas-Yanez *et al.*, *Tetrahedron.*, **60**, 1505 (2004)