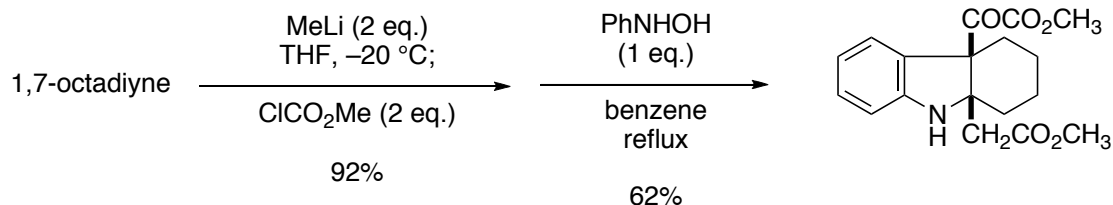


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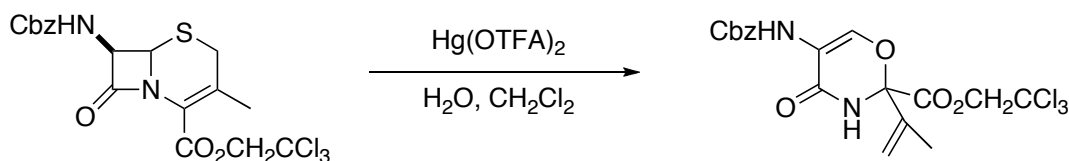
11/07/2007

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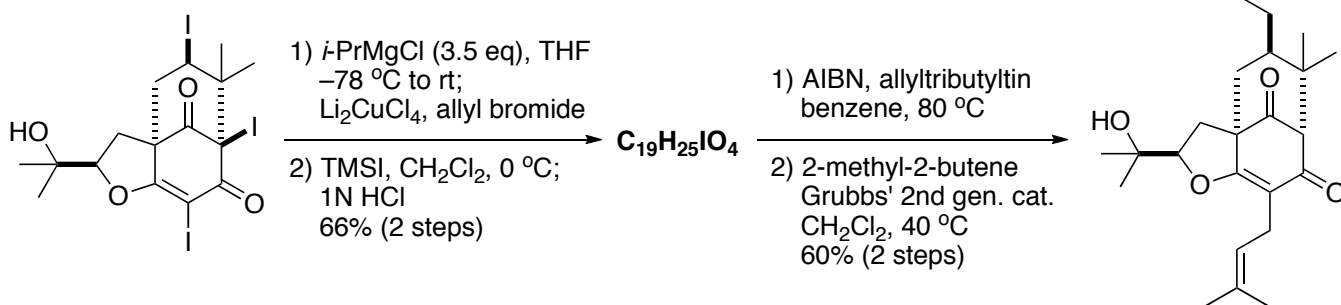
A. Padwa *et al.*, *J. Org. Chem.*, **51**, 3125 (1986)

2



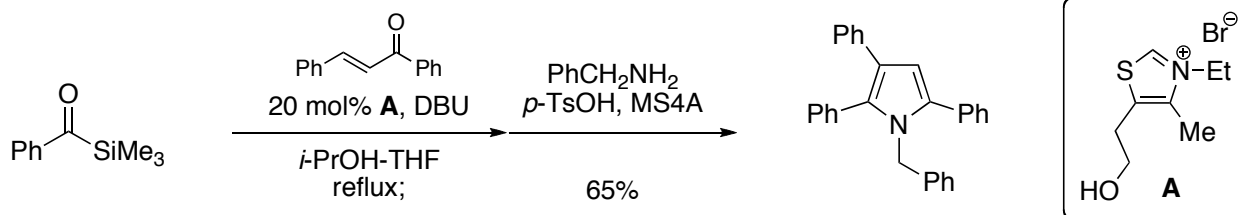
T. E. Gunda *et al.*, *Org. Lett.*, **2**, 103 (2000)

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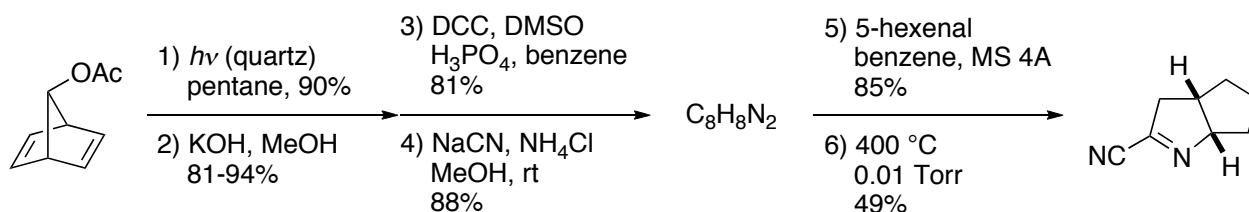
S. J. Danishefsky *et al.*, *J. Am. Chem. Soc.*, **128**, 1048 (2005)

4



K. A. Scheidt *et al.*, *Org. Lett.*, **6**, 2465 (2004)

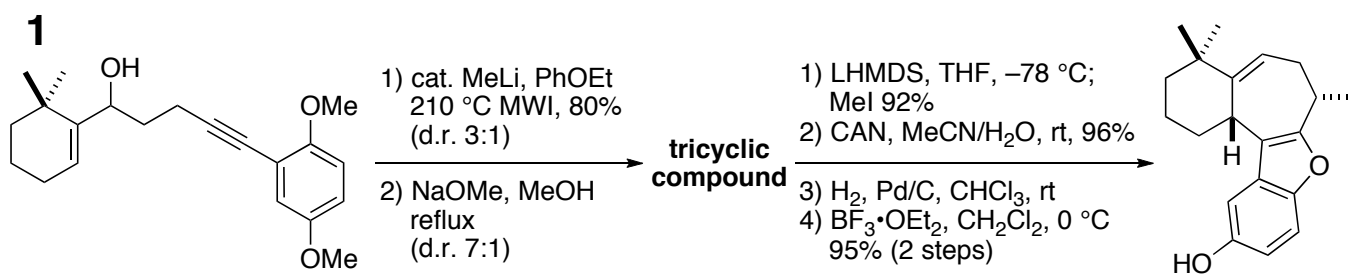
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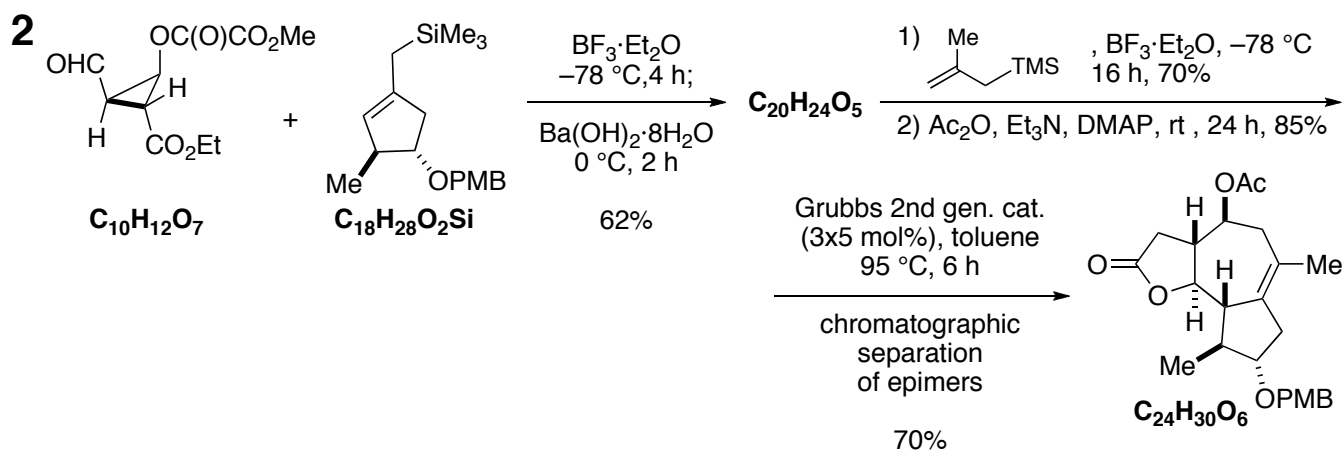
R. W. Hoffmann *et al.*, *Chem. Ber.*, **118**, 634 (1985)

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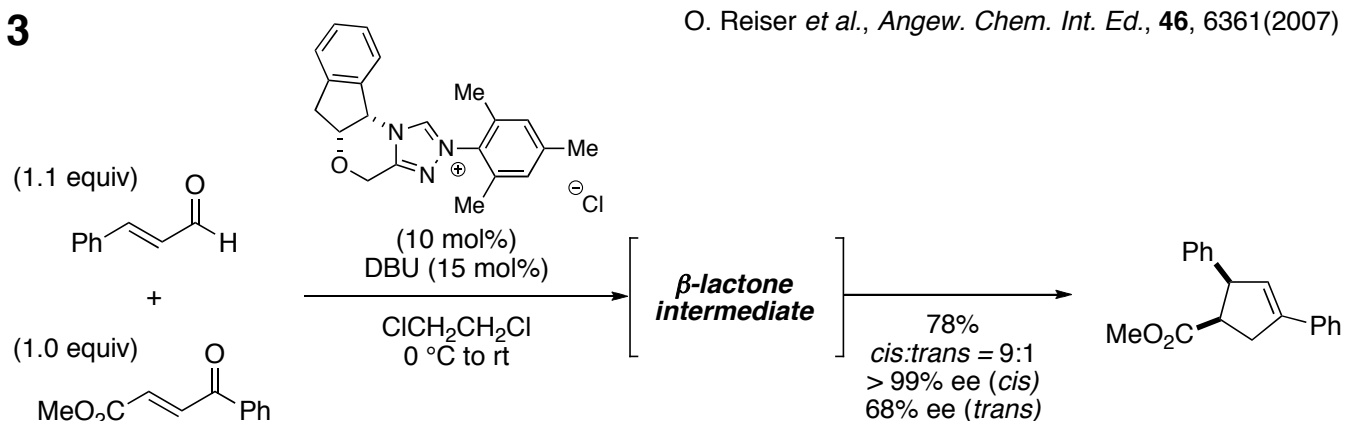
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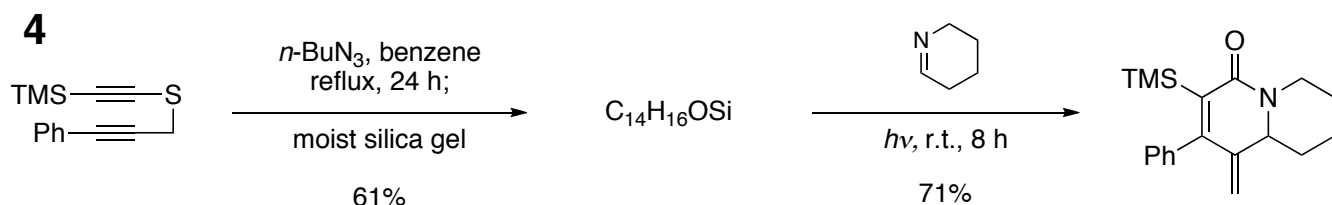
T. V. Ovaska *et al.*, *Org. Lett.*, **9**, 3837 (2007)



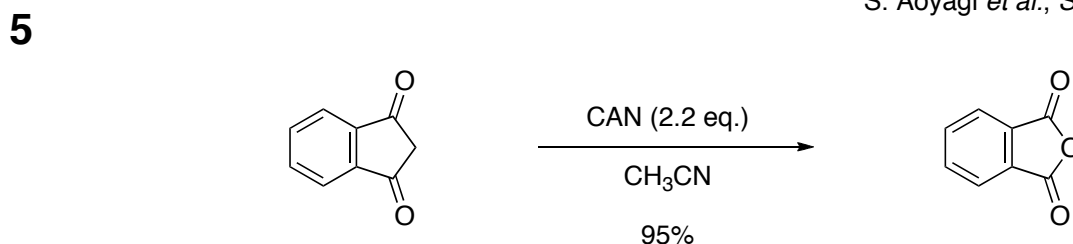
O. Reiser *et al.*, *Angew. Chem. Int. Ed.*, **46**, 6361 (2007)



J. W. Bode *et al.*, *J. Am. Chem. Soc.*, **129**, 3520 (2007)



S. Aoyagi *et al.*, *Synlett*, **16**, 2553 (2007)

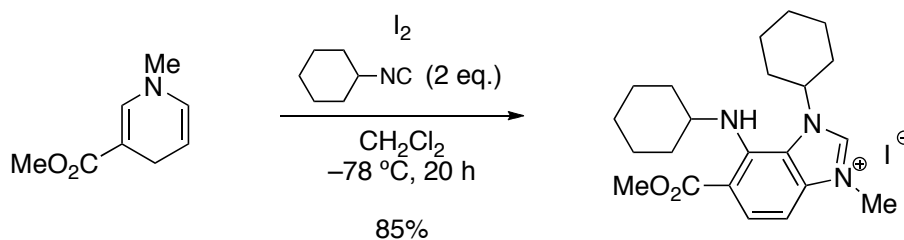


R. A. Flowers, II *et al.*, *J. Org. Chem.*, **71**, 4516 (2006)

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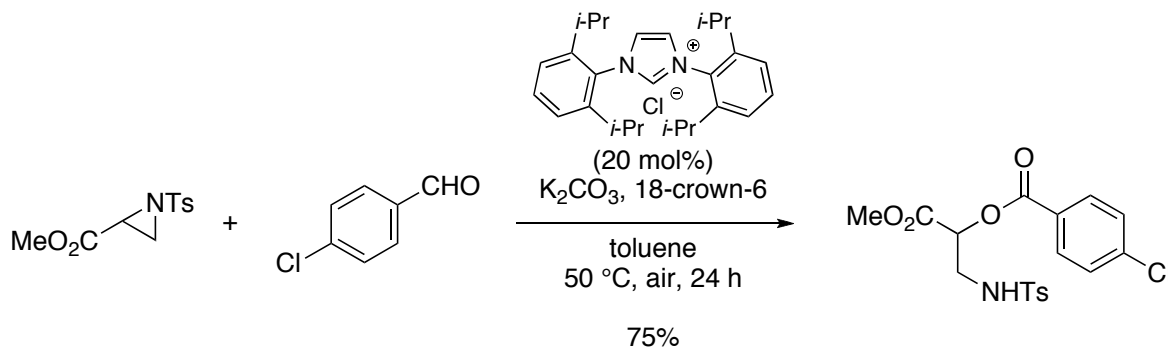
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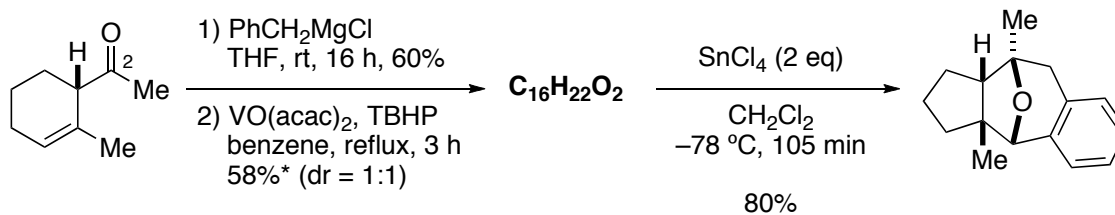
R. Lavilla *et al.*, *Angew. Chem. Int. Ed.*, **46**, 3043 (2007)

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Chen, Y.-C. *et al.*, *Org. Lett.*, **8**, 1521 (2006)

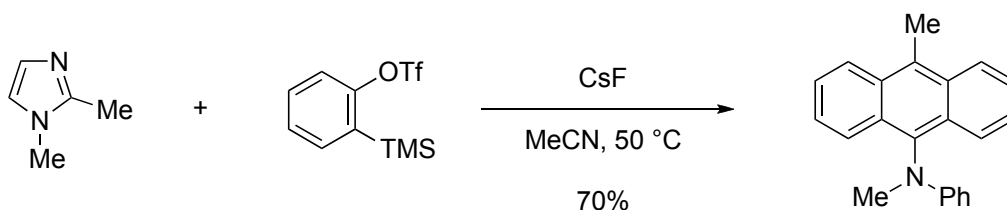
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\* The C2-S isomer was used in the next step.

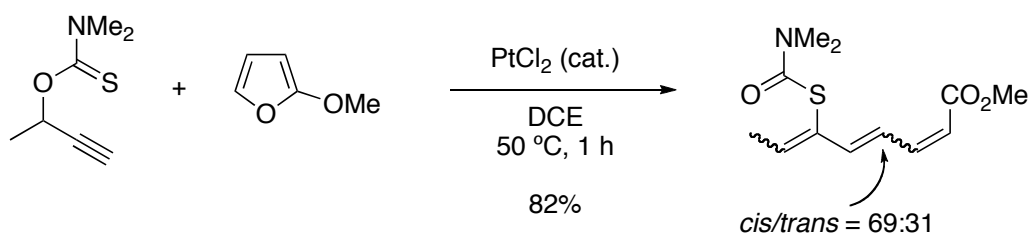
Marson, C. M. *et al.*, *Angew. Chem. Int. Ed.*, **37**, 1122 (1998)

4



Y. Zhang *et al.*, *Org. Lett.*, **9**, 781 (2007)

5

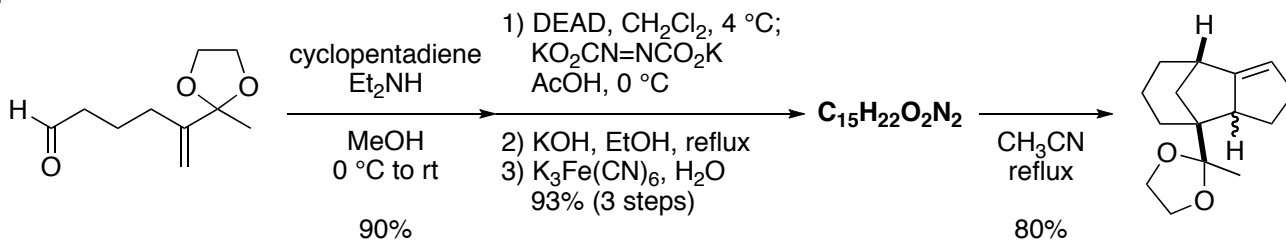


K. Ohe *et al.*, *Tetrahedron. Lett.*, **48**, 6651 (2007)

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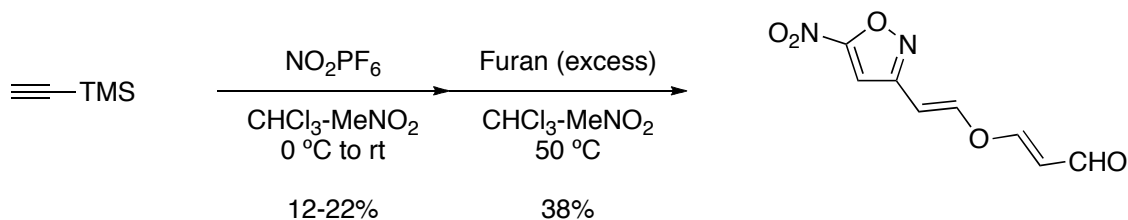
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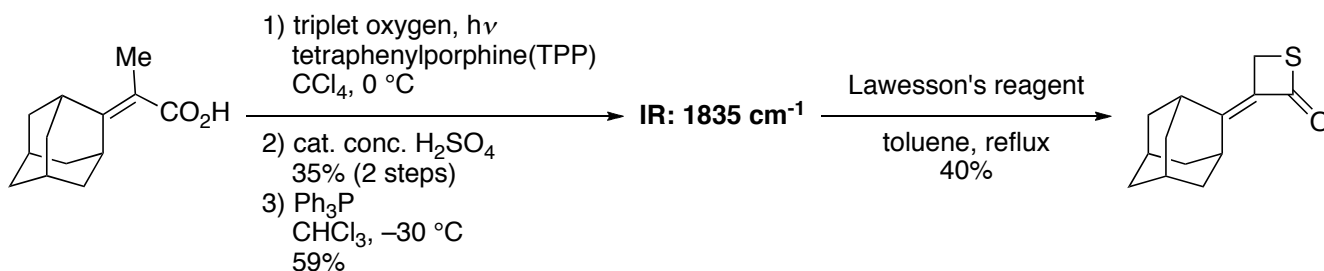
R. D. Little. *et al.*, *J. Org. Chem.*, **62**, 1610 (1997)

2



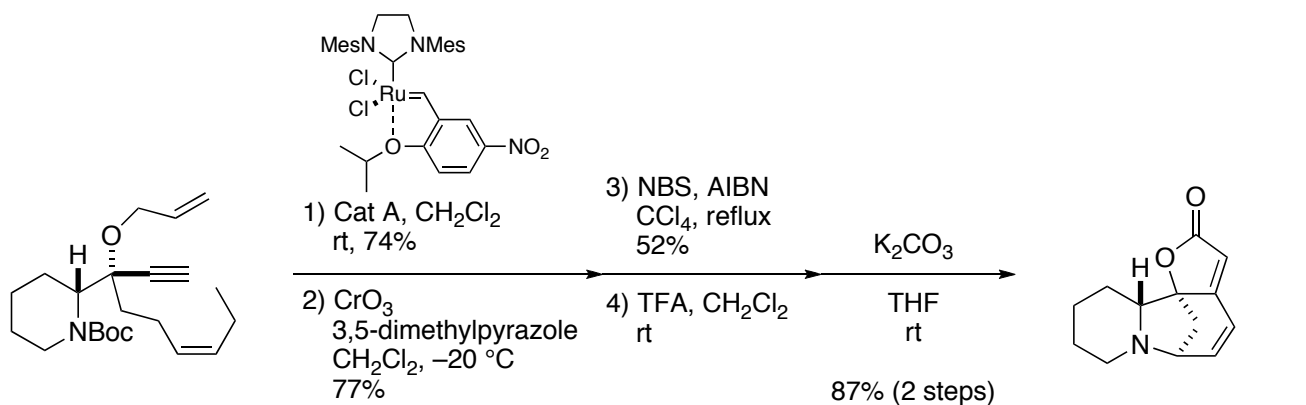
Phillip. E. Eaton *et al.*, *Synthesis*, 2013 (2002)

3



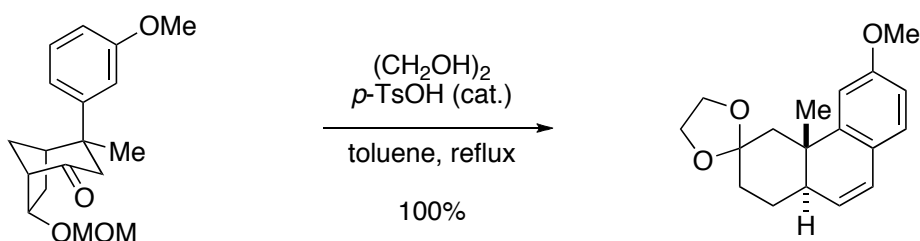
W. Adam, L. Hasemann, *Chem. Ber.*, **123**, 1449 (1990)

4



T. Honda *et al.*, *Org. Lett.*, **6**, 87 (2004)

5



K. Ogasawara *et al.*, *Org. Lett.*, **3**, 1737 (2001)