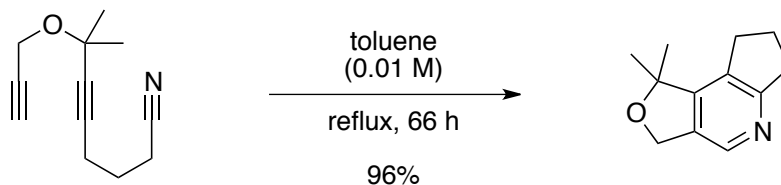


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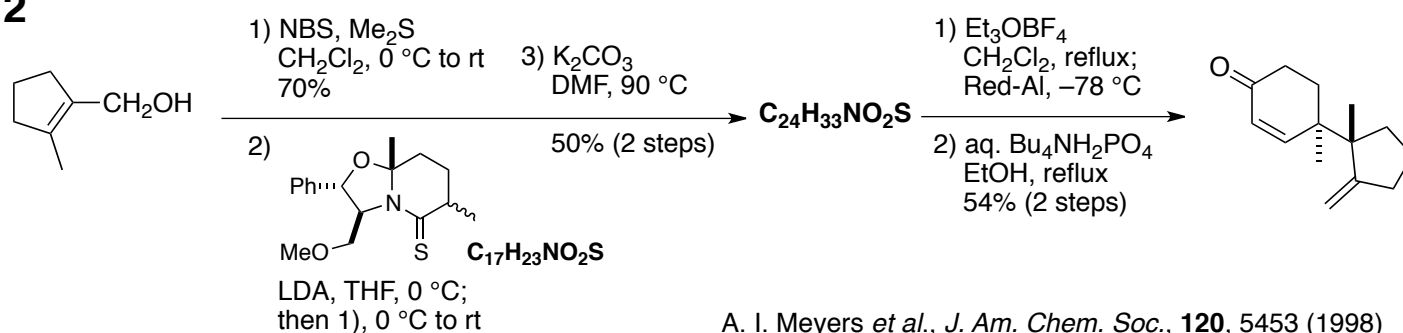
06/08/2011

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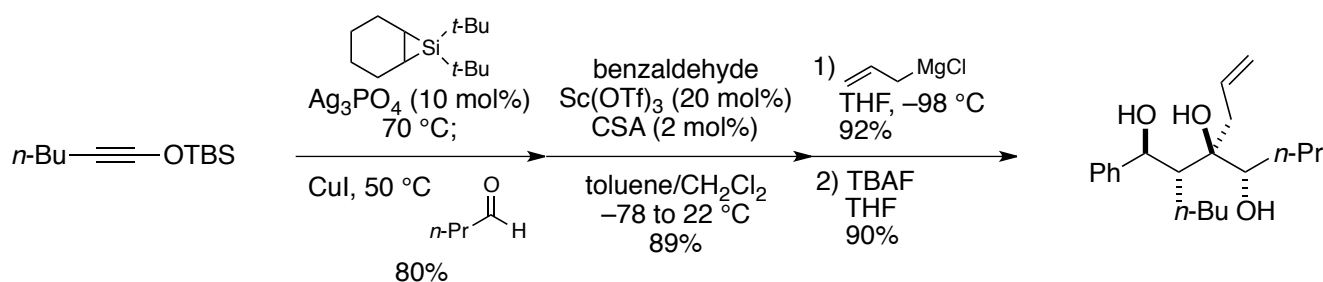
R. L. Danheiser *et al.*, *J. Am. Chem. Soc.*, **132**, 13203 (2010)

2



A. I. Meyers *et al.*, *J. Am. Chem. Soc.*, **120**, 5453 (1998)

3

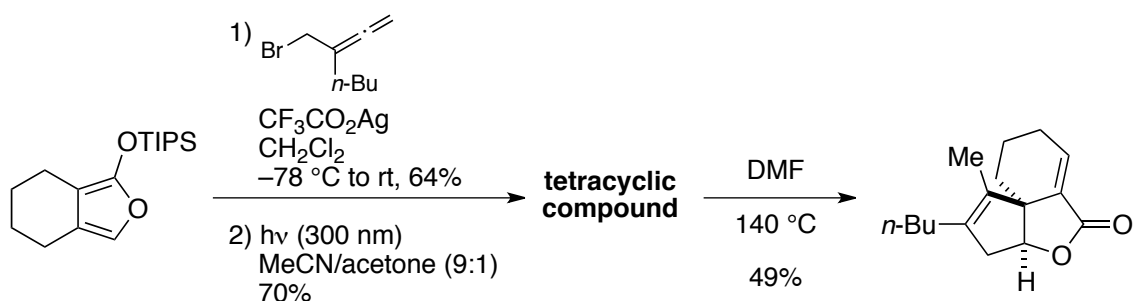


K. A. Woerpel *et al.*, *Org. Lett.*, **8**, 4109 (2006)

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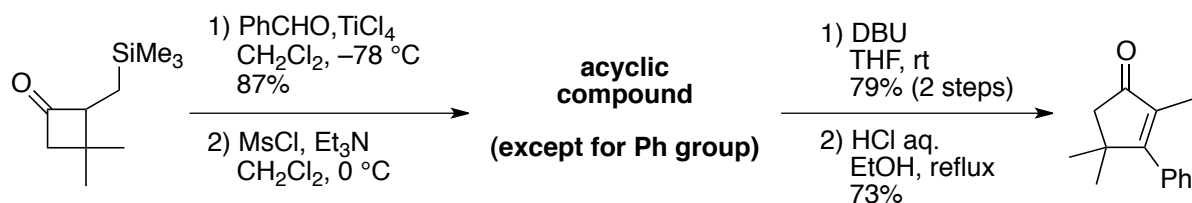
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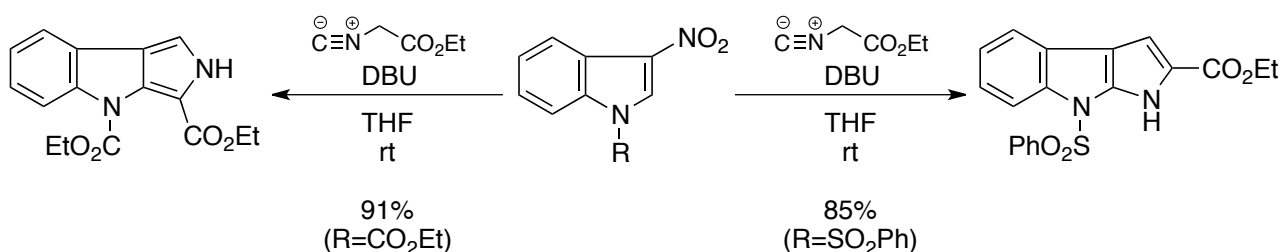
H. Hiemstra *et al.*, *Eur. J. Org. Chem.*, 3146 (2011)

2



J. Matsuo *et al.*, *Org. Lett.*, **12**, 3960 (2010)

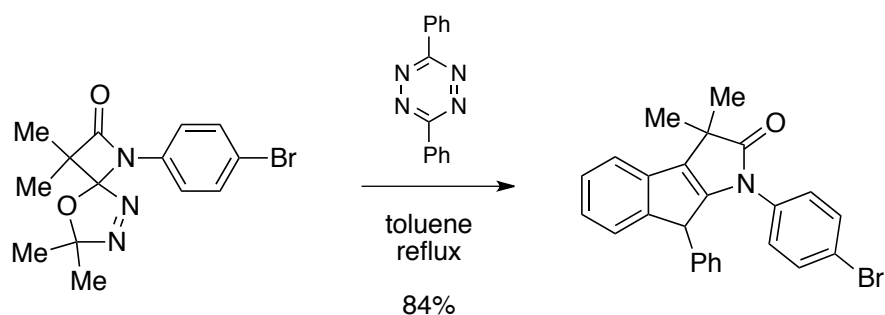
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G. W. Gribble *et al.*, *Chem. Commun.*, 1909 (1996)

G. W. Gribble *et al.*, *Chem. Commun.*, 1873 (1997)

4

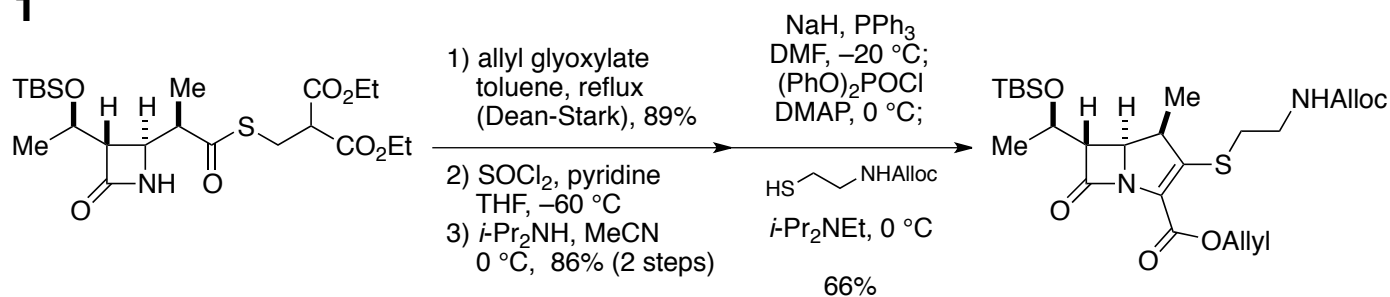


Y. Cheng *et al.*, *J. Org. Chem.*, **76**, 4746 (2011)

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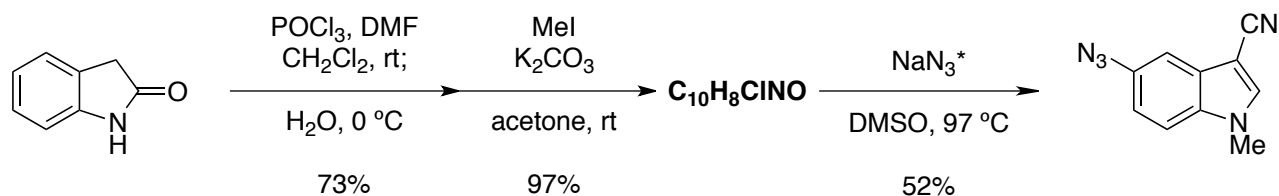
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H. Horikawa *et al.*, *J. Org. Chem.*, **61**, 7889 (1996)

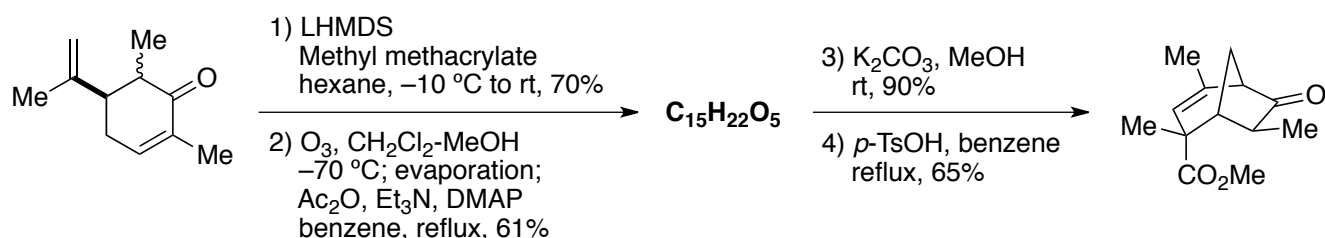
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*theoretically 2 eq.

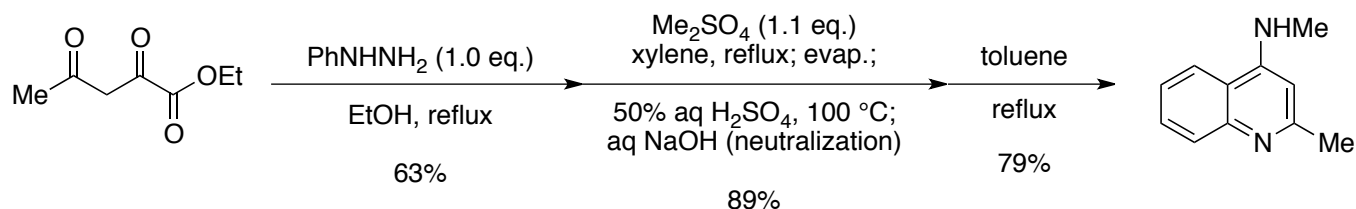
H. D. H. Showalter *et al.*, *J. Med. Chem.*, **40**, 413 (1997)
J. Becher *et al.*, *J. Org. Chem.*, **57**, 2127 (1992)

3



A. Srikrishna *et al.*, *Tetrahedron Lett.*, **47**, 363 (2006)

4



A. Schmidt *et al.*, *Angew. Chem. Int. Ed.*, **49**, 2790 (2010)