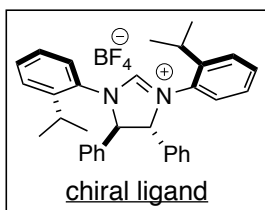
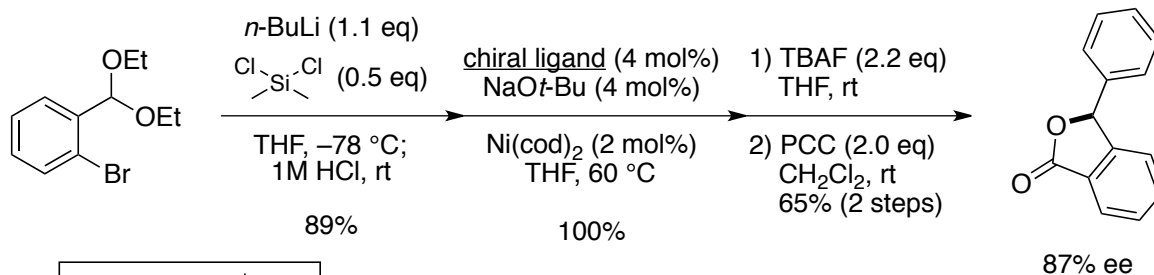


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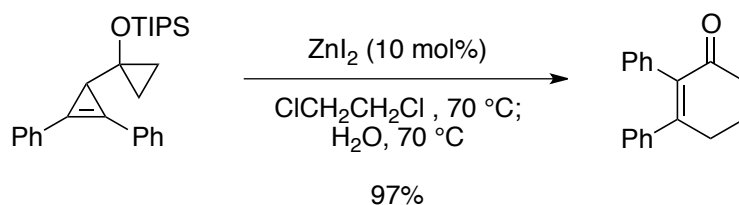
05/07/2016

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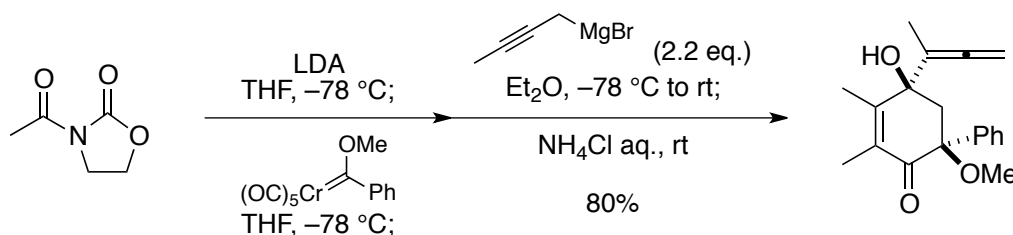
S. Ogoshi *et al.*, *J. Am. Chem. Soc.*, **137**, 11838 (2015)

2



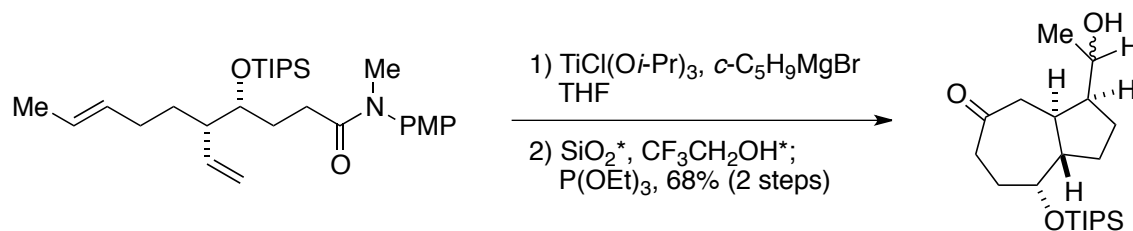
J. Wang *et al.*, *J. Org. Chem.*, **79**, 6286 (2014)

3



J. Barluenga *et al.*, *Angew. Chem. Int. Ed.*, **49**, 9720 (2010)

4



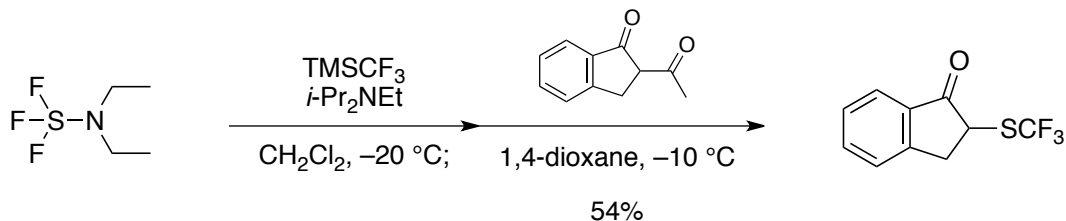
* SiO_2 and fluorocarbon solvents possess high solubility of oxygen

J. K. Cha *et al.*, *J. Am. Chem. Soc.*, **123**, 11322 (2001)

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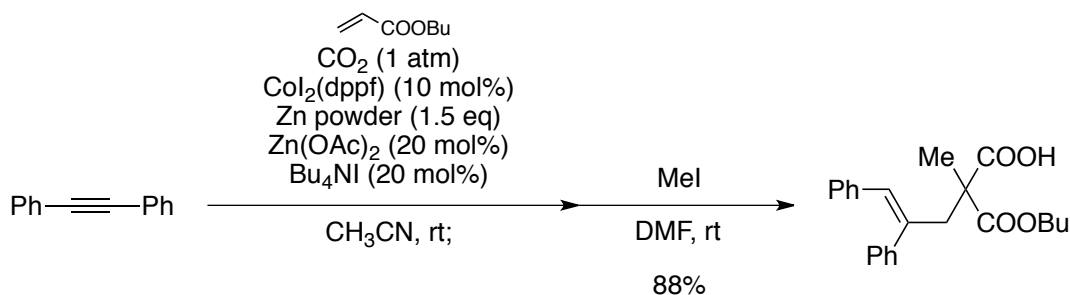
05/14/2016

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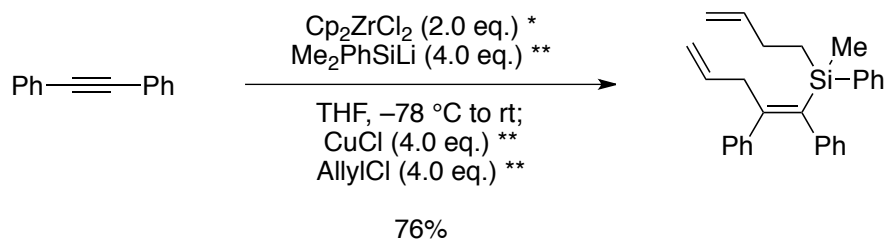
N. Shibata *et al.*, *Chem. Sci.*, **7**, 2106 (2016)

2



Y. Tsuji *et al.*, *J. Am. Chem. Soc.*, **138**, 5547 (2016)

3



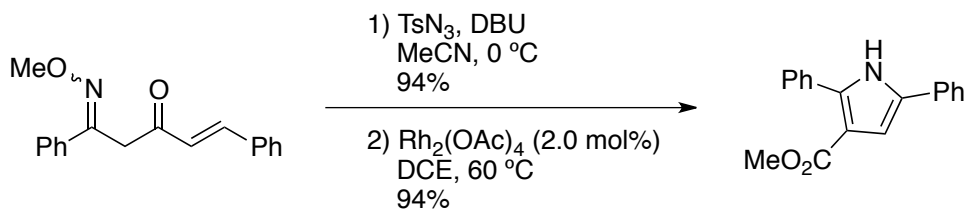
* theoretically 1.0 eq.
** theoretically 2.0 eq.

M. Mori *et al.*, *J. Am. Chem. Soc.*, **123**, 4139 (2001)

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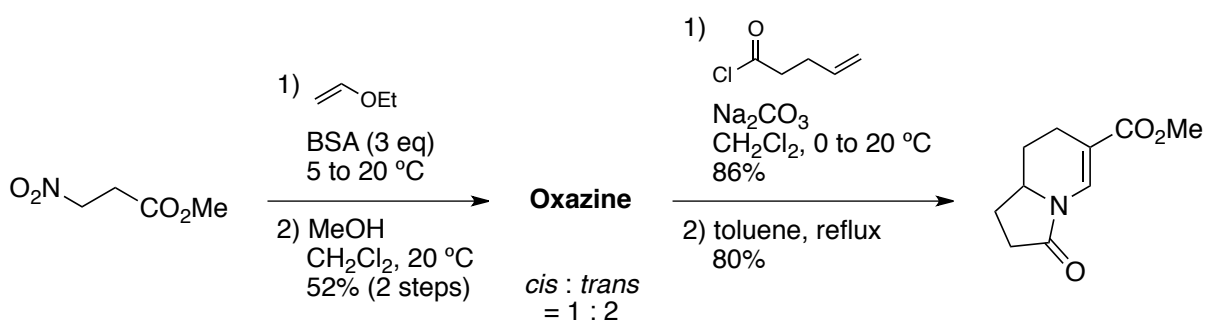
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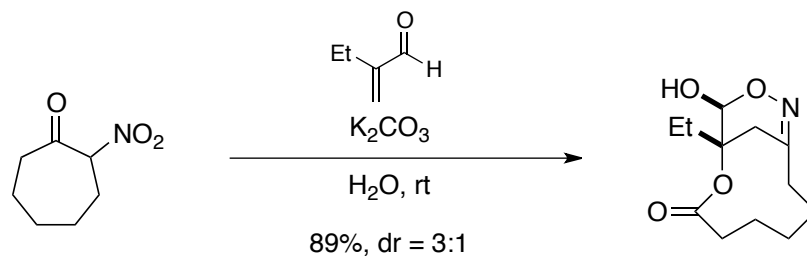
C. Park *et al.*, *J. Am. Chem. Soc.*, **134**, 4104 (2012)

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H.-U. Reissig *et al.*, *Synlett*, **6**, 863 (2002)

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J. C. Menéndez *et al.*, *Org. Lett.*, **7**, 2197 (2005)