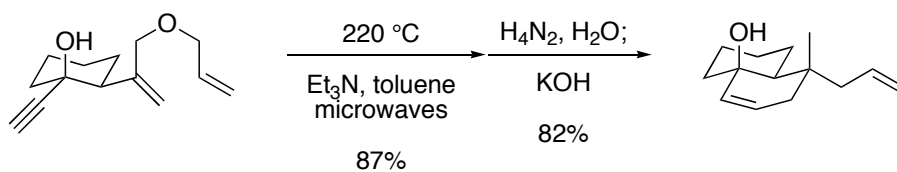


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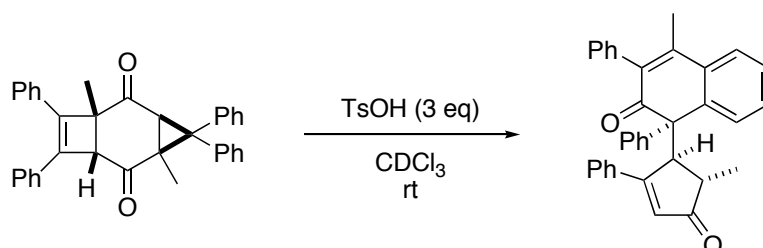
12/14/2005

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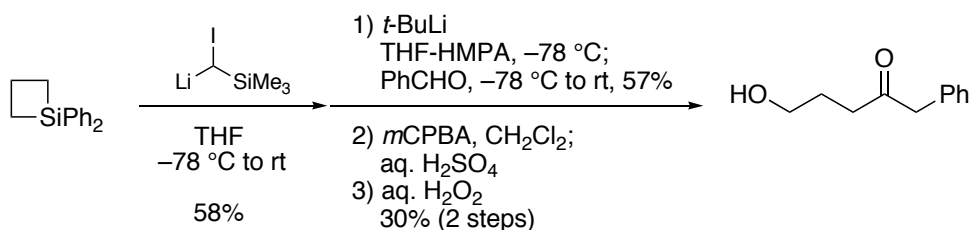
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2



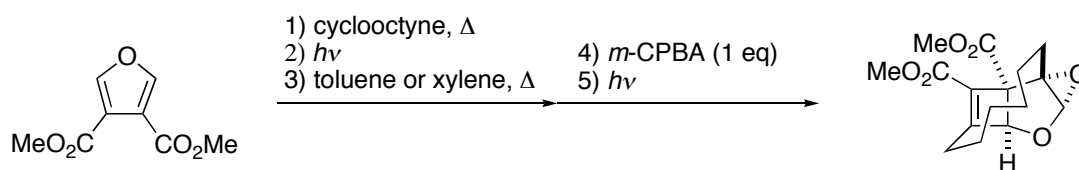
T. Oshima *et al.*, *J. Org. Chem.*, **70**, 8364 (2005)

3



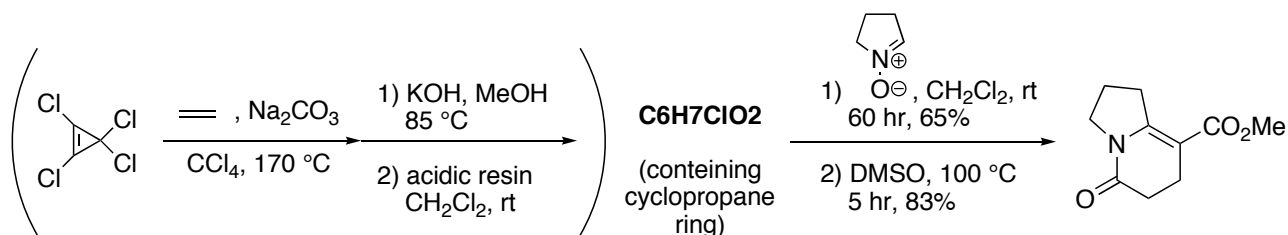
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4



W. Tochtermann *et al.*, *Eur. J. Org. Chem.*, 4231 (2005)

5

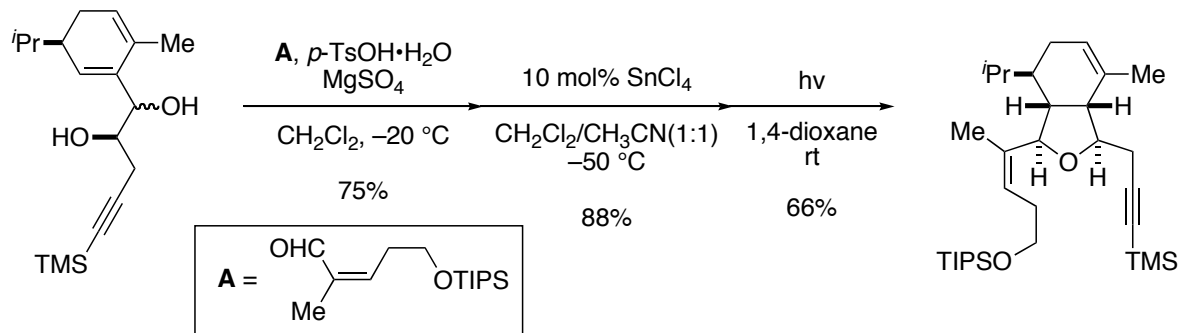


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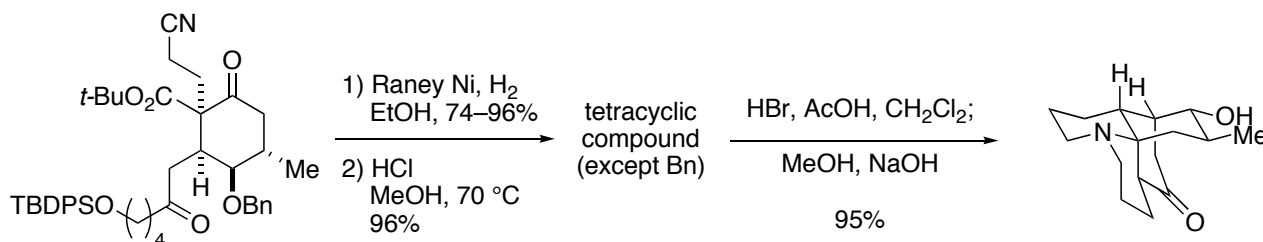
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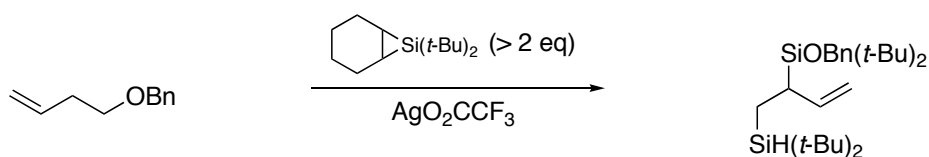
L. E. Overman *et al.*, *Org. Lett.*, **2**, 2683 (2000)

2



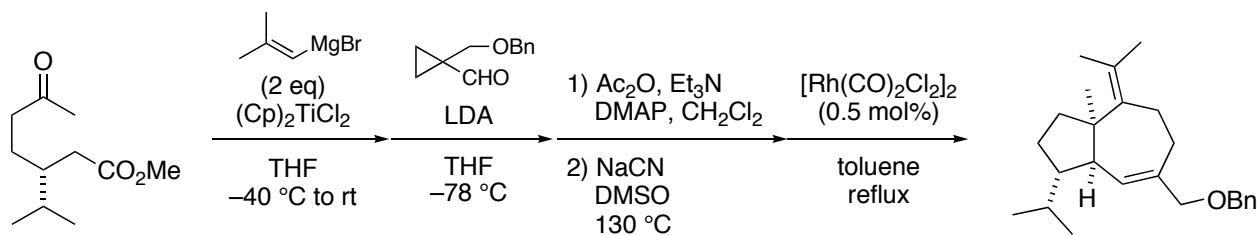
D. A. Evans *et al.*, *Angew. Chem. Int. Ed.*, **44**, 6038 (2005)

3



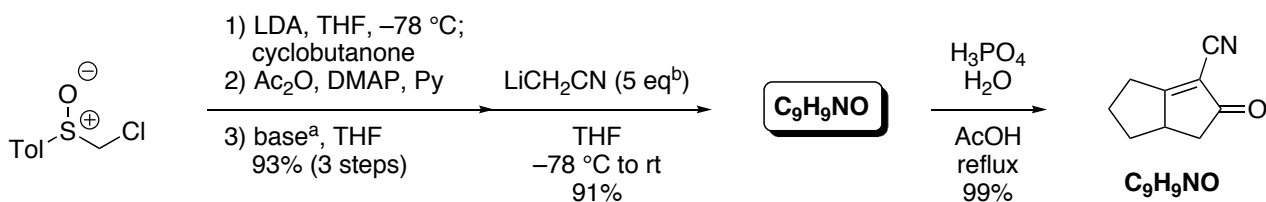
K. A. Woerpel *et al.*, *Org. Lett.*, **7**, 5531 (2005)

4



P. A. Wender *et al.*, *Org. Lett.*, **2**, 2323 (2000)

5



a: *N*-lithio-2-piperidone or lithium diphenyl amide
b: theoretical amount: 3 eq

T. Satoh *et al.*, *Tetrahedron Lett.*, **46**, 3767 (2005)