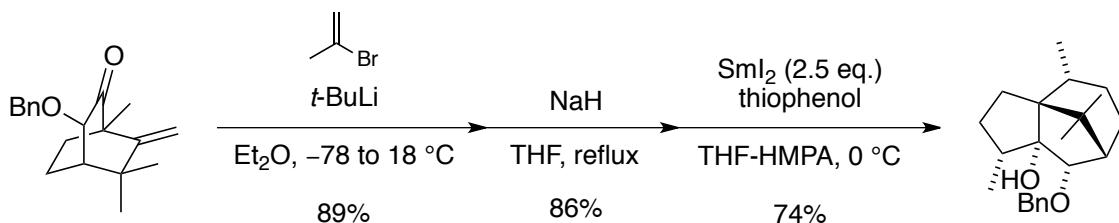


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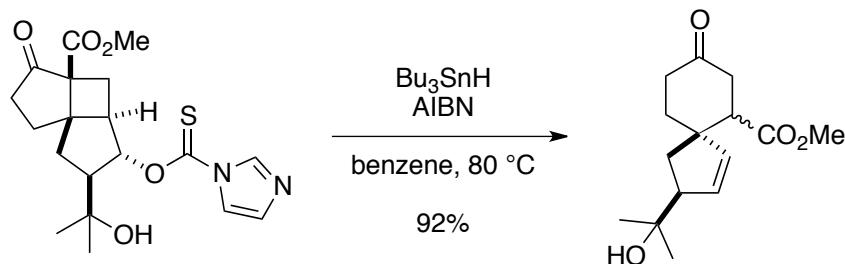
11/10/2018

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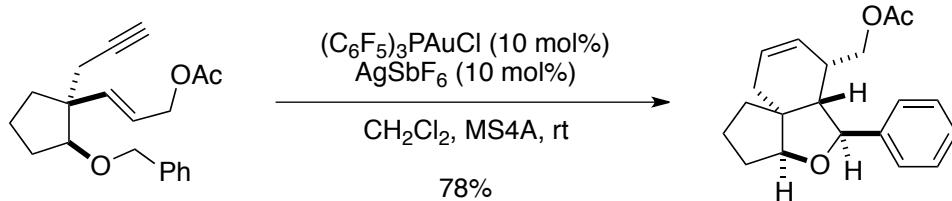
M. G. Banwell *et al.*, *New J. Chem.*, **27**, 50 (2003)

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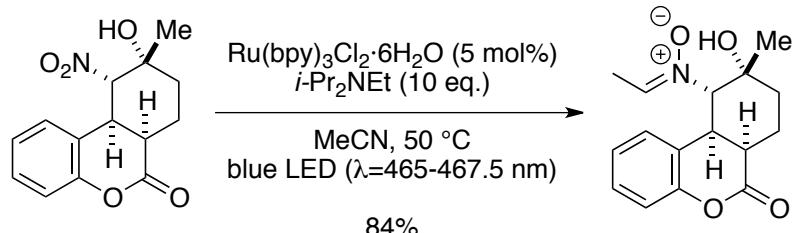
M. T. Crimmins *et al.*, *J. Am. Chem. Soc.*, **120**, 1747 (1998)

3



H. N. C. Wong and X. S. Peng *et al.*, *Angew. Chem. Int. Ed.*, **57**, 11365 (2018)

4



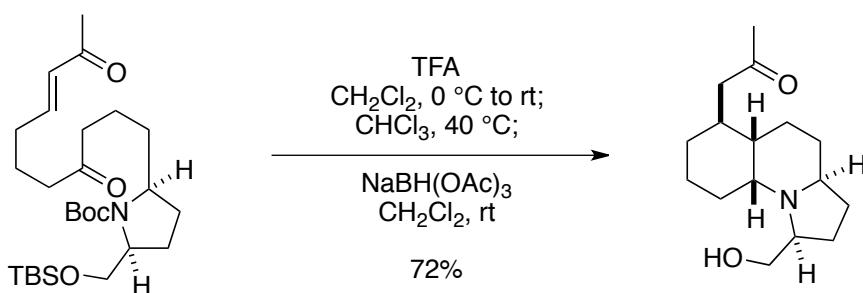
Mechanistic studies suggested the hydroxyamine was formed as the reaction intermediate.

B.-C. Hong *et al.*, *Org. Lett.*, **17**, 2314 (2015)

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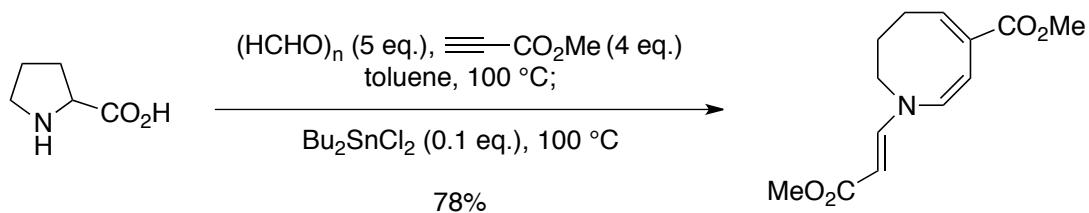
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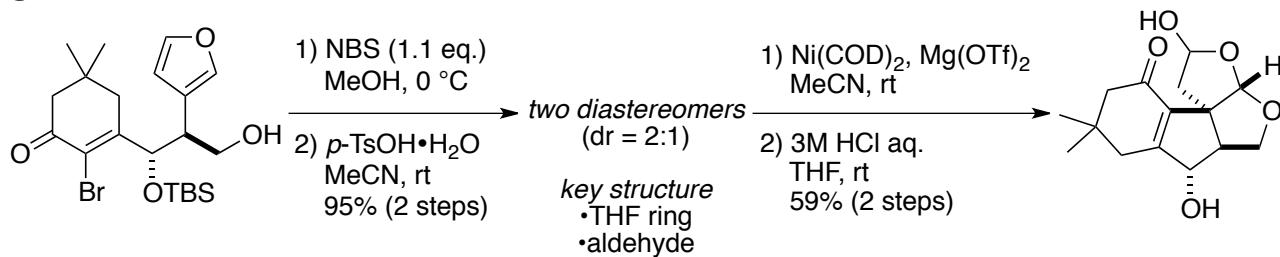
M. D. Smith *et al.*, *Angew. Chem. Int. Ed.*, **53**, 13826 (2014)

2



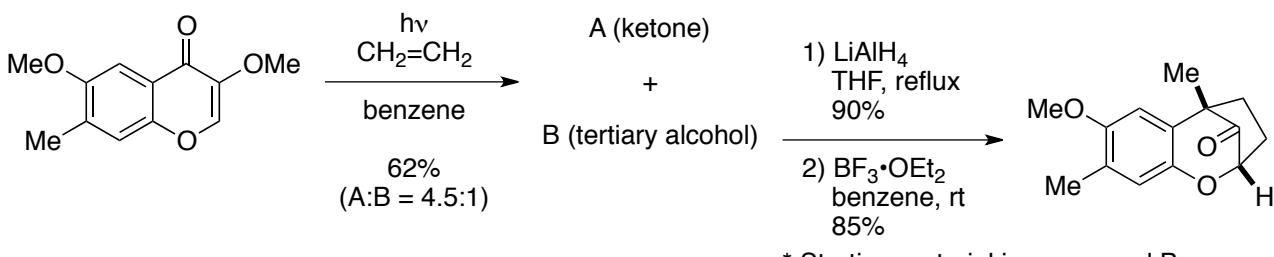
H. Ardill *et al.*, *Tetrahedron*, **50**, 5067 (1994)

3



H. Takikawa *et al.*, *Tetrahedron Lett.*, **59**, 4397 (2018)

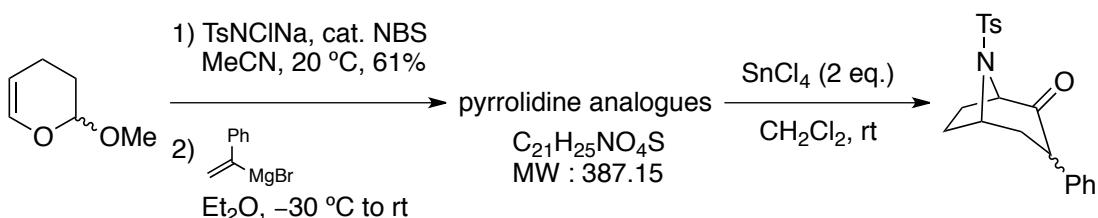
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* Starting material is compound B.

S. K. Sabui and R. V. Venkateswaran, *Tetrahedron Lett.*, **45**, 983 (2004)

5

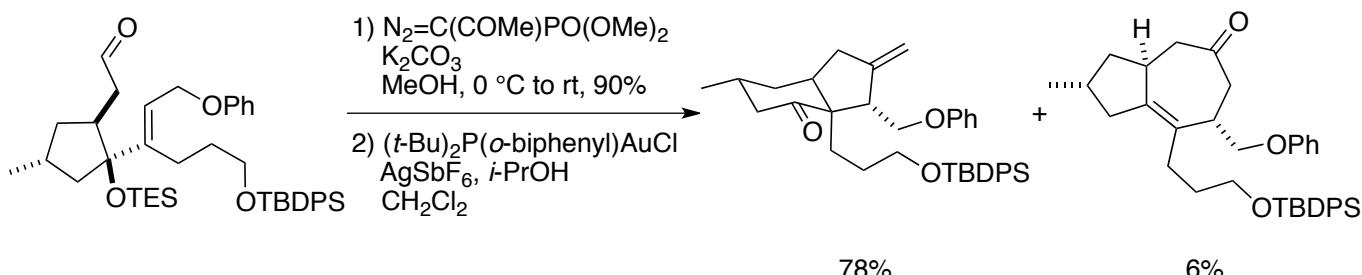


A. Armstrong *et al.*, *Org. Lett.*, **7**, 1335 (2005)

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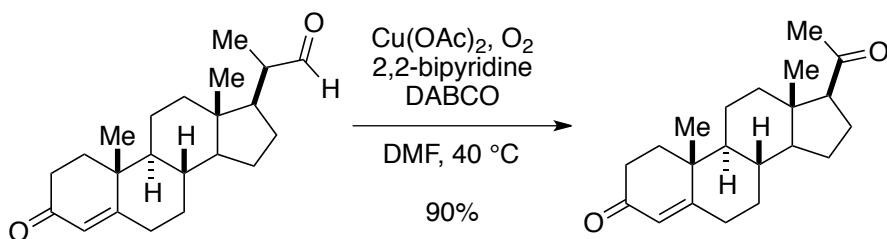
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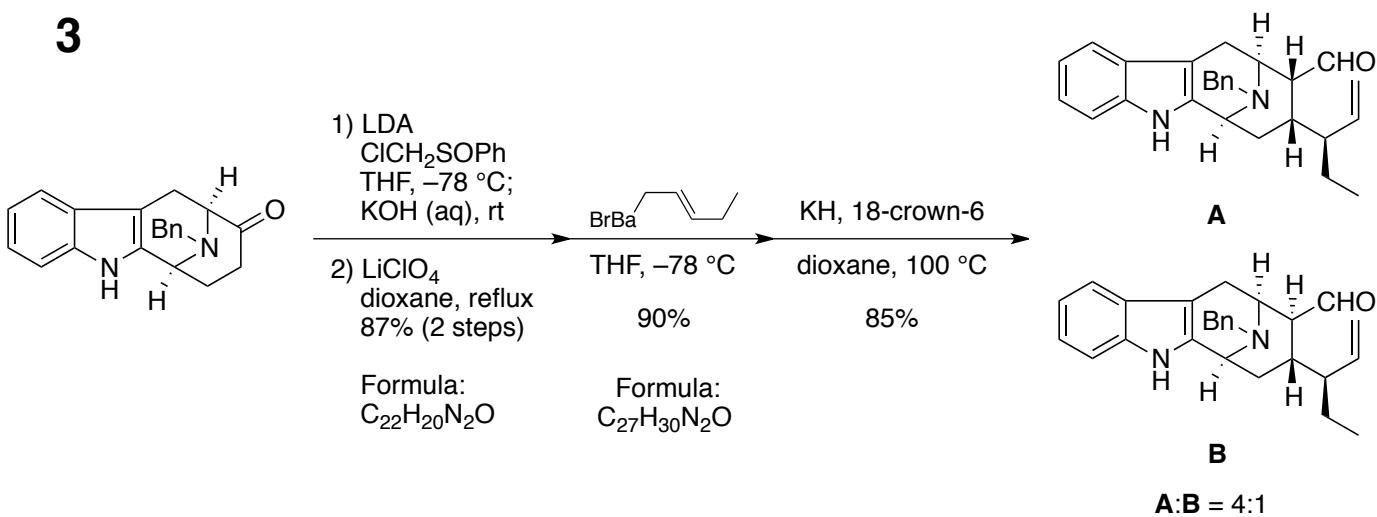
L. E. Overman *et al.*, *J. Am. Chem. Soc.*, **132**, 7876 (2010)

2



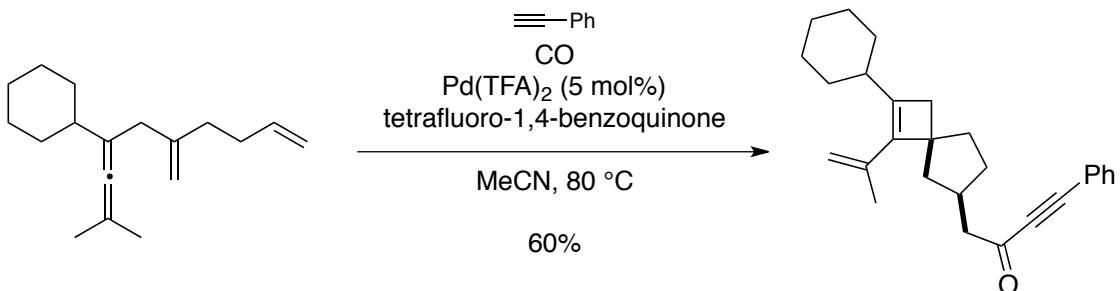
V. V. Rheeinen, *Tetrahedron Lett.*, **10**, 985 (1969)

3



J. M. Cook *et al.*, *Org. Lett.*, **3**, 345 (2001)

4



J.-E. Bäckvall *et al.*, *J. Am. Chem. Soc.*, **138**, 13846 (2016)