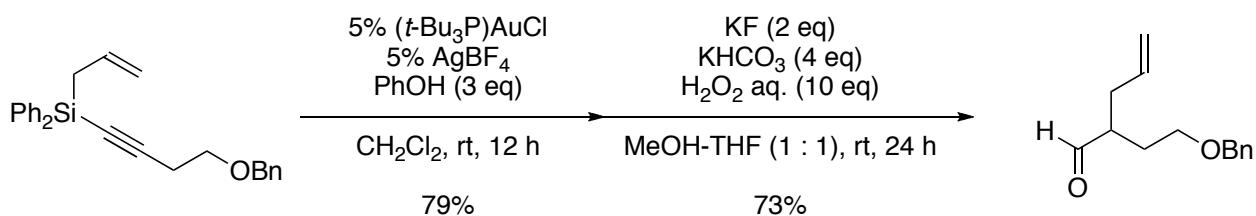


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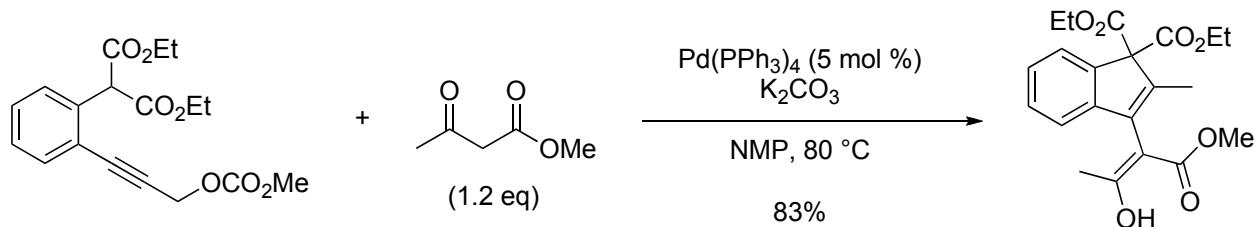
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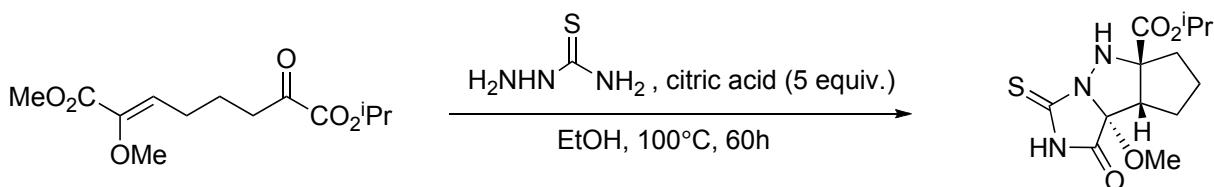
F. D. Toste *et al.*, *J. Am. Chem. Soc.*, **128**, 11364 (2006)

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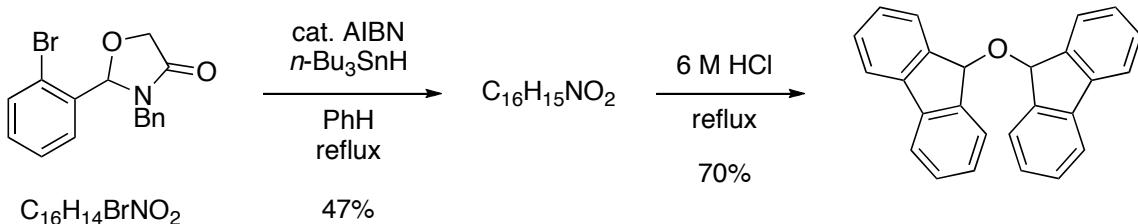
Y.-M. Liang *et al.*, *Org. Lett.*, **8**, 5777 (2006)

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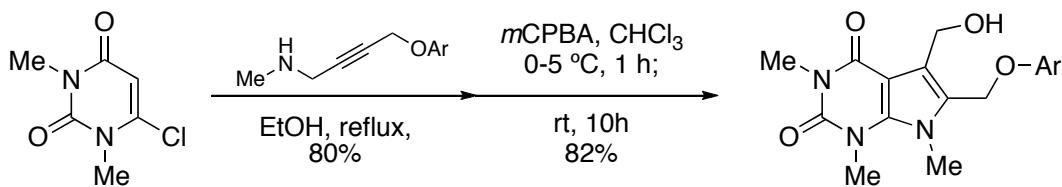
L. Overman, *et al.*, *J. Org. Chem.*, **71**, 9144 (2006)

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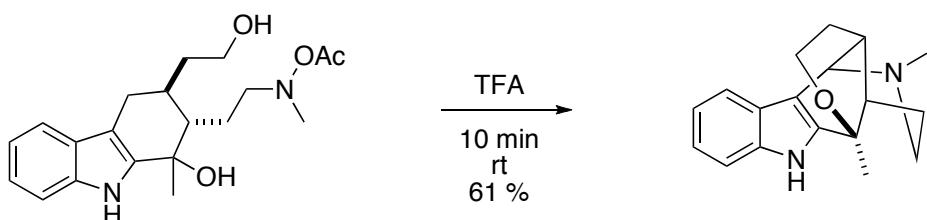


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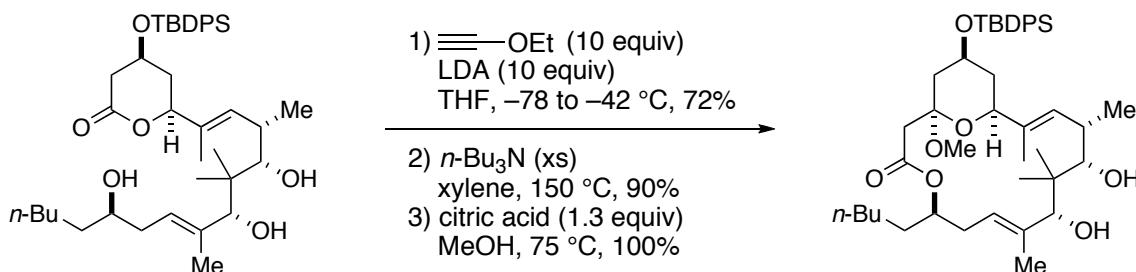
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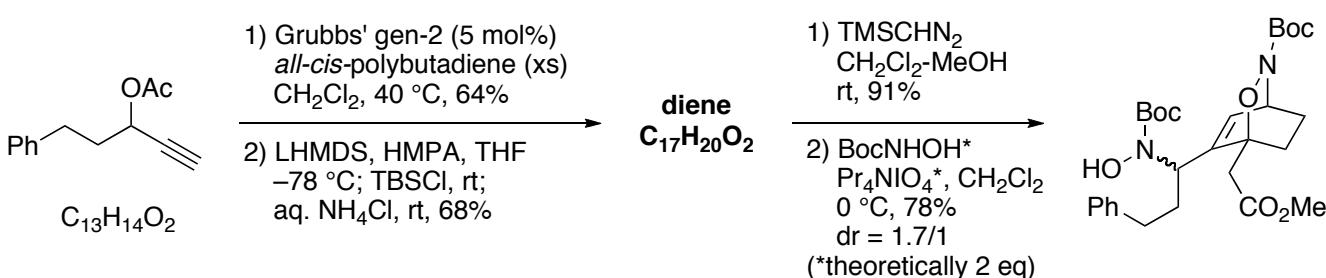
S. Blechert *et al.*, *J. Am. Chem. Soc.*, **126**, 3534 (2004)

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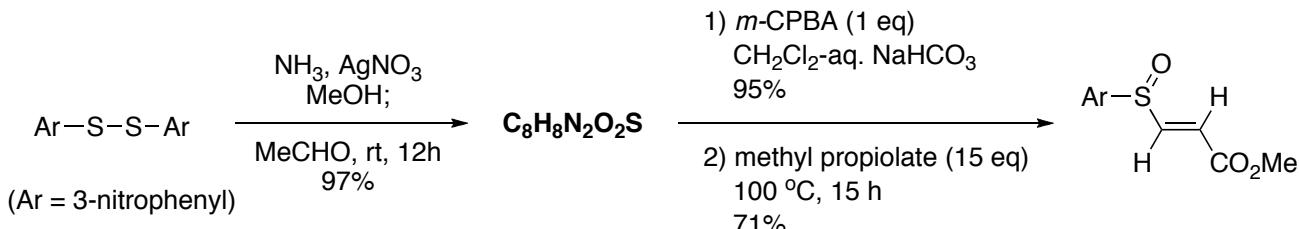
T. F. Jamison *et al.*, *J. Am. Chem. Soc.*, **128**, 15106 (2006)

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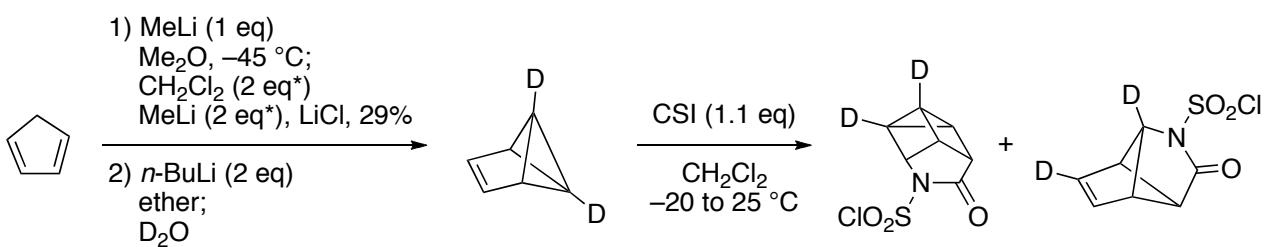
S. T. Diver *et al.*, *J. Am. Chem. Soc.*, **128**, 15632 (2006)

4



F. A. Davis *et al.*, *J. Am. Chem. Soc.*, **96**, 5000 (1974)

5



*Theoretical amount is 1 eq.
(Second step is just a proton-deuterium exchange.)

60%

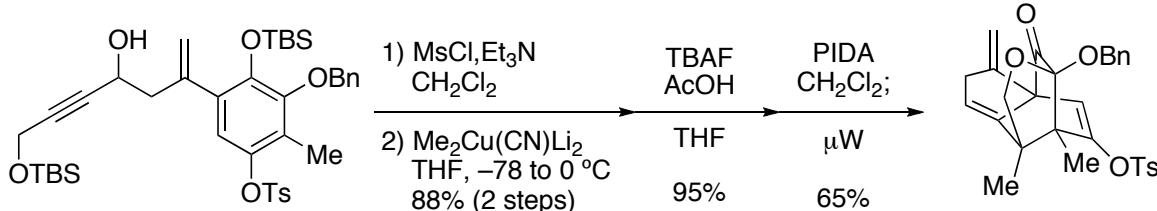
20%

Katz, T. J. *et al.* *J. Am. Chem. Soc.* **1971**, *93*, 3782.
Katz, T. J.; Nicolaou, K. C. *J. Am. Chem. Soc.* **1974**, *96*, 1948.

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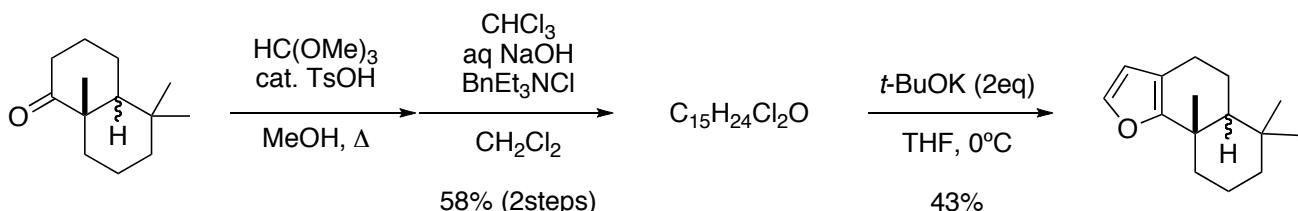
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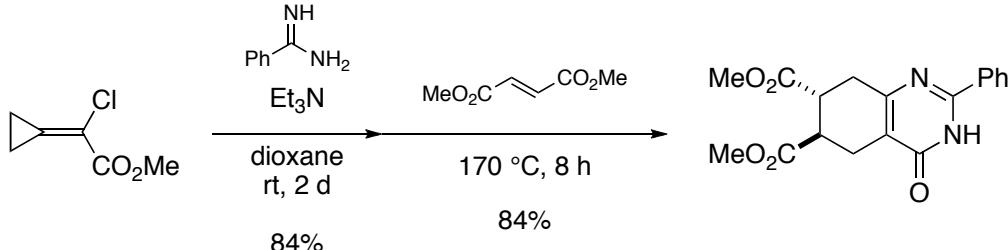
S. J. Danishefsky *et al.*, *J. Am. Chem. Soc.*, **128**, 16440 (2006)

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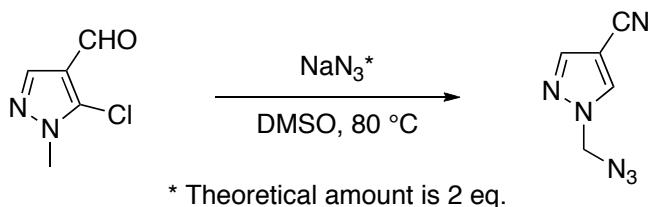
M. G. Banwell *et al.*, *Tetrahedron Lett.*, **47**, 6817 (2006)

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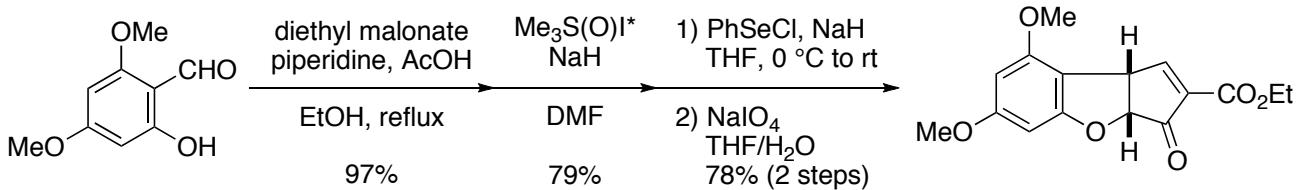
A. de Meijere *et al.*, *Org. Lett.*, **4**, 839 (2002)

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J. Becher *et al.*, *J. Chem. Soc., Chem. Commun.*, 541 (1988)

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* Theoretical amount is 2 eq.

S. Ohta *et al.*, *Org. Lett.*, **3**, 1359 (2001)