Insane in the Cembranes

Tim Newhouse

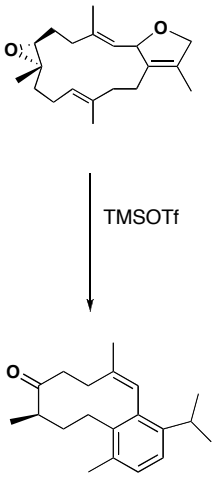
Thursday, Feb. 15, 2007

pseudopterogorgia bipinnata

Crematogaster, sp.

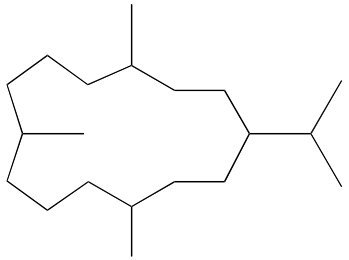
Greek tobacco

Alligator sinensis

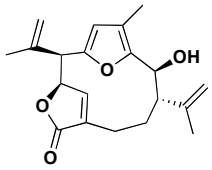


Kusumi, T. Org. Lett., 8, 2957, 2006

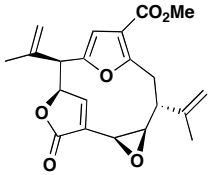
Cembrane Skeleton



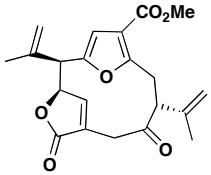
Kallolide A



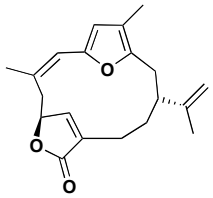
Pseudoterolide



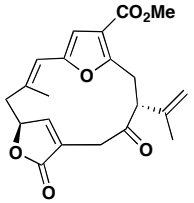
Gorgiacerone



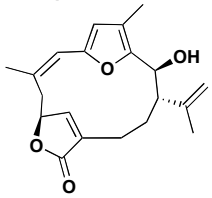
Rubifolide



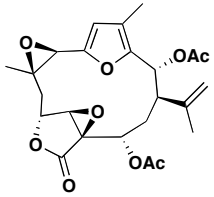
Acerosolide



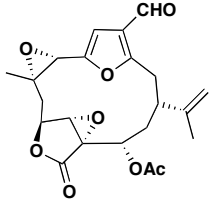
Bipinnatin-J



Bipinnatin-A



Lophotoxin



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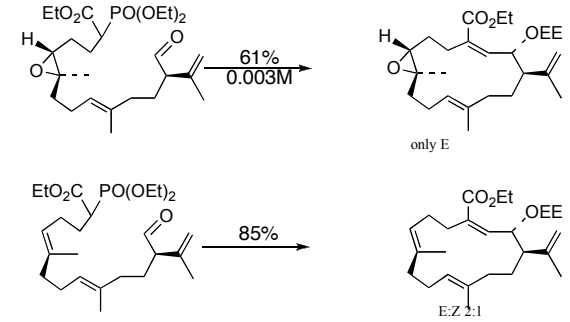
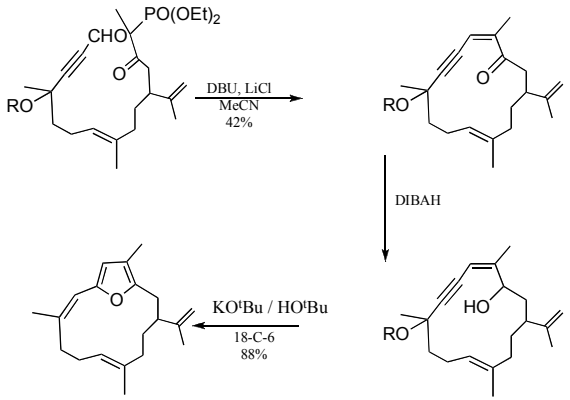
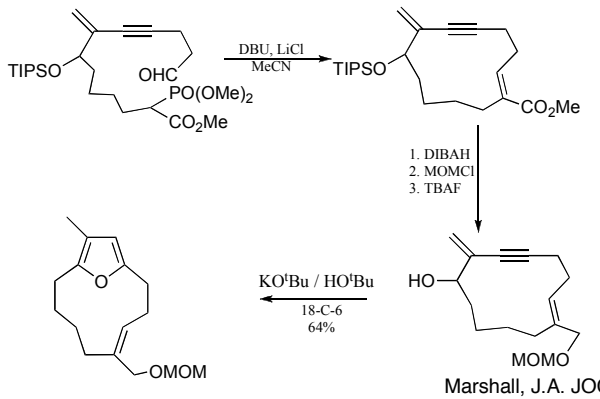
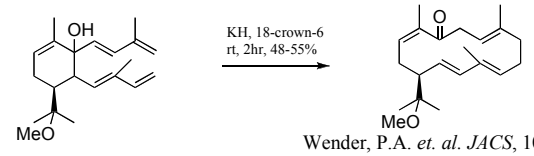


Tius, M.A., JACS, 108, 6389, 1986

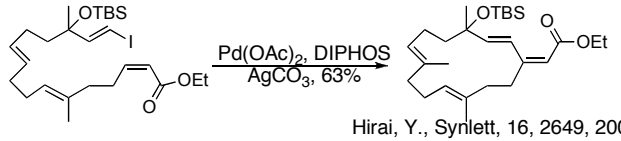




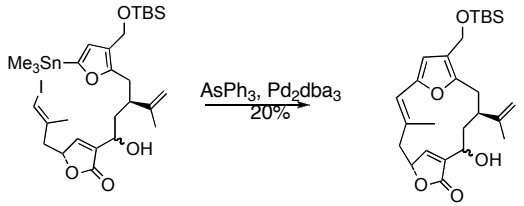
Marshall, J.A. JOC, 59, 1703, 1994



Wender, P.A. *et. al. JACS*, 107, 7771 **1985**



Hirai, Y., Synlett, 16, 2649, 2006



Pattenden, G., Synlett, 12, 1869, 2001

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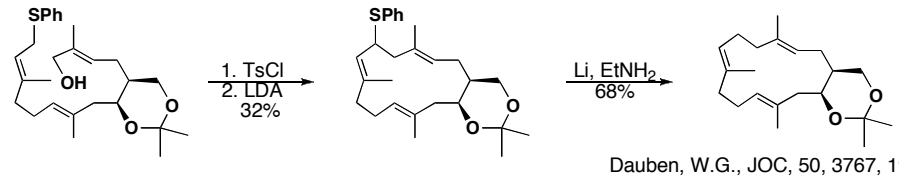
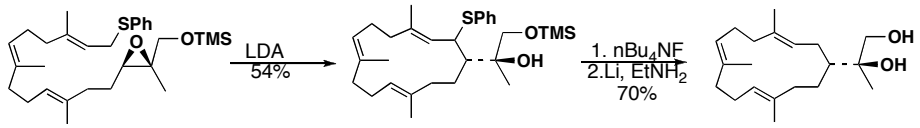
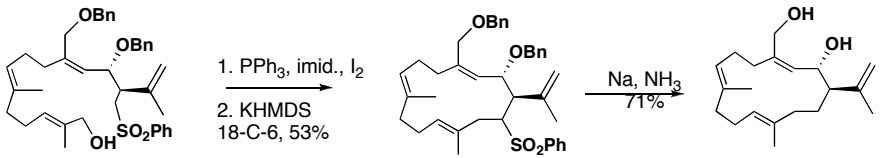


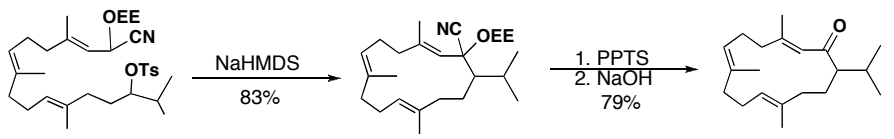
Dauben, W.G., JOC, 50, 3767, 1985



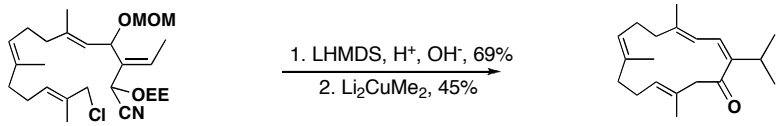
Li, Y., Tetrahedron: *Asymmetry,* 10, 1877, 1999



Marshall, J.A. JOC, 51, 858, 1986



Takahashi, T., TL, 24, 3485, 1983



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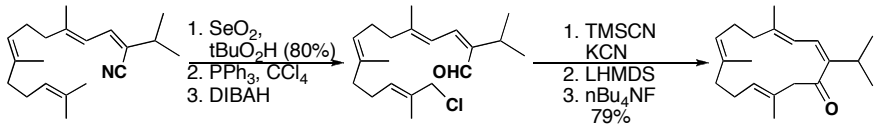

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Takayanagi, H., JOC, 59, 2700, 1994

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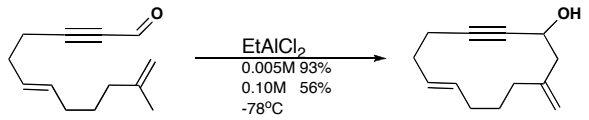

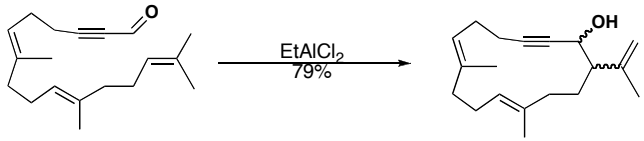

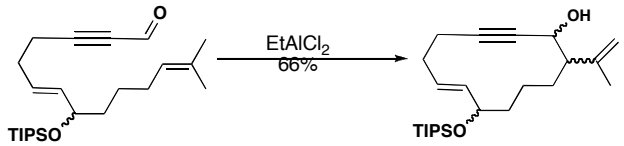

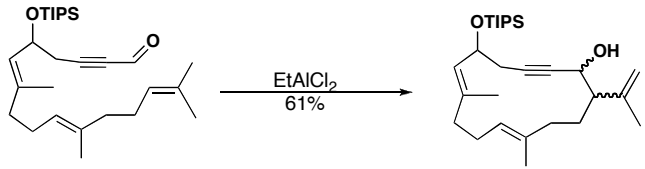

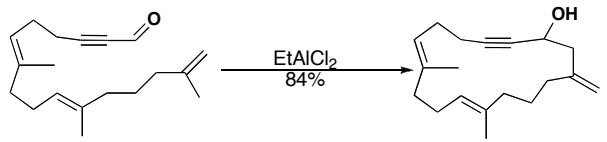

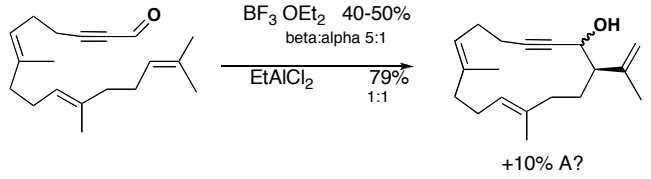

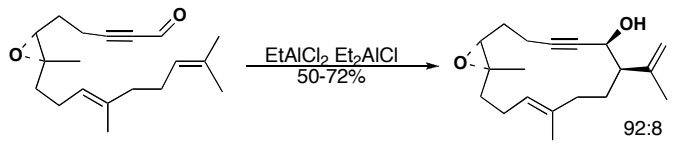

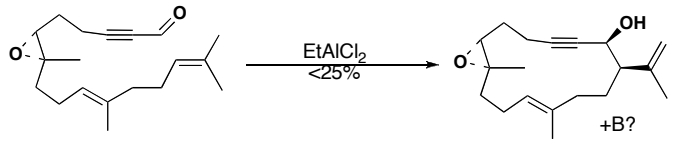

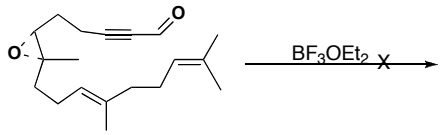

Marshall, J.A., et. al., JOC 57, 2766, 1992
JOC 58, 3912, 1993

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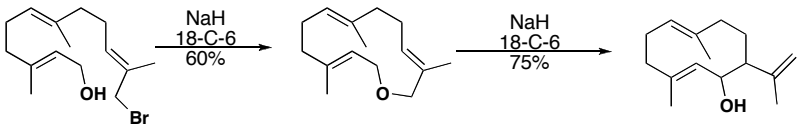
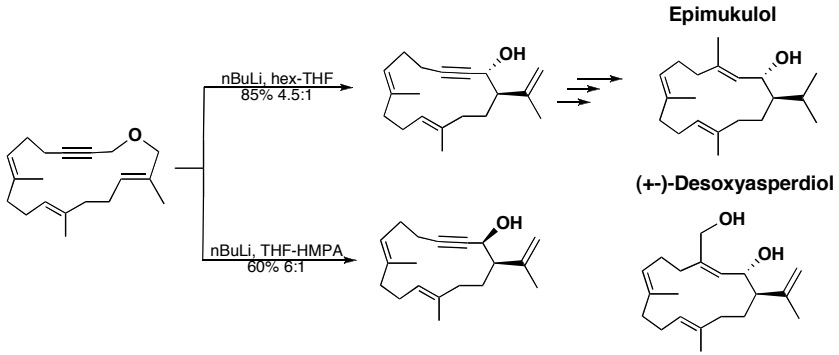
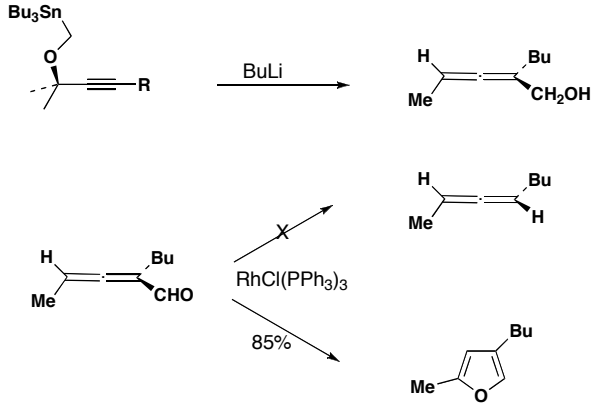


Takahashi, T. JOC, 51, 4315, 1986

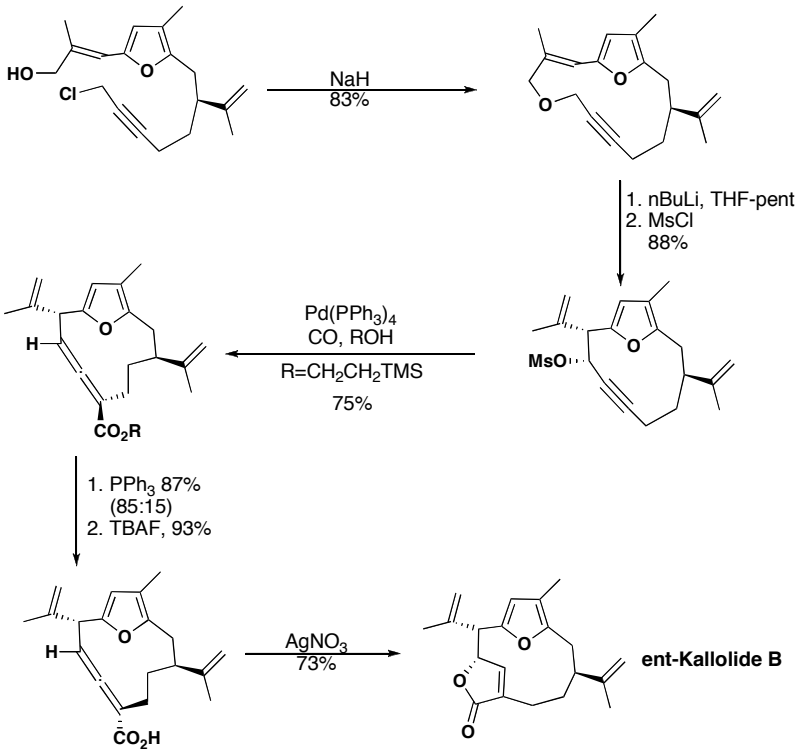


Marshall, J.A., JOC, 51, 4316, 1986
52, 3860, 1987



Marshall, J.A., JOC, 55, 3450, 1990

ent-Kallolide B



Marshall, J. A., JOC, 61, 5279, 1996

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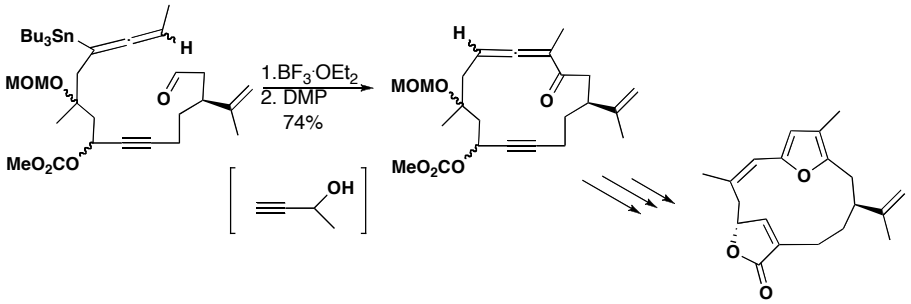

Marshall, J. A., JOC, 62, 4313, 1997

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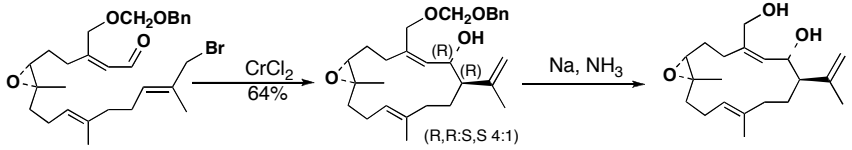
Asperdiol



Still, C.W., JOC, 48, 4785, 1983

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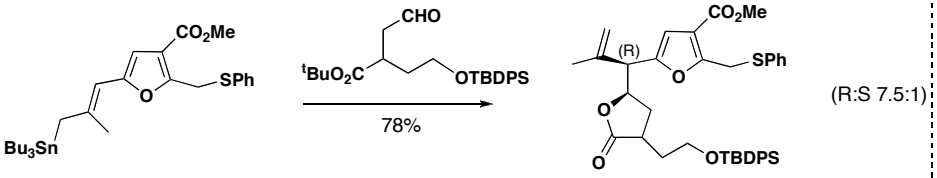

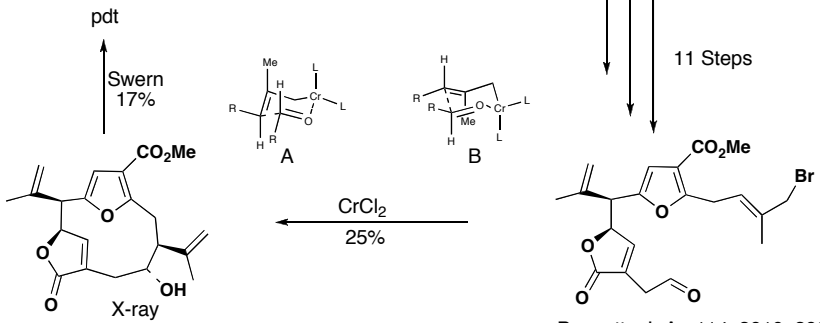

Paquette, L.A., 114, 3910, 3926, 1992

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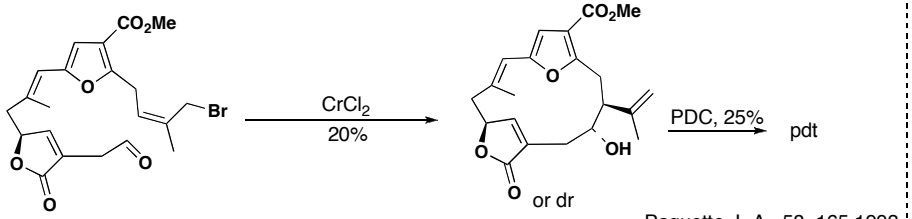
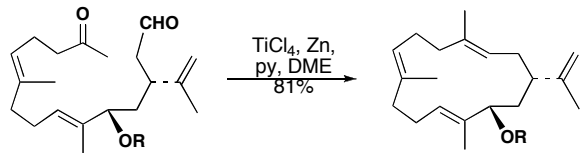
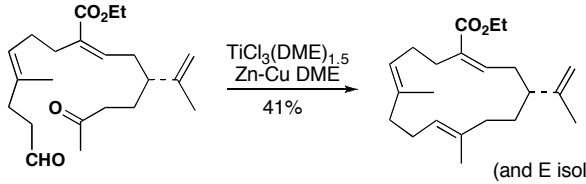


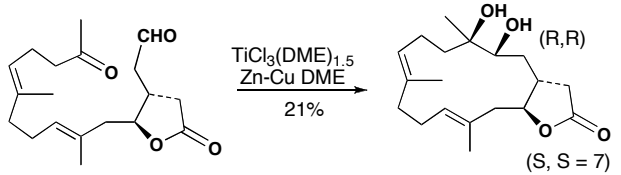
Paquette, L.A., 58, 165 1993



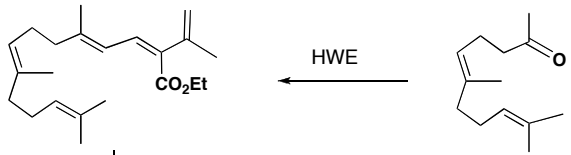
Li, Y, Synthesis, 3, 393, 2001

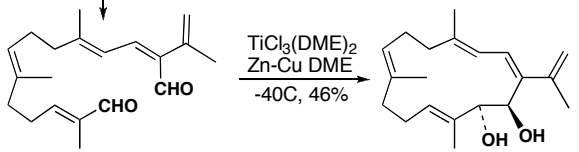


Li, Y., Tetrahedron: Asymmetry, 12, 95, 2001



McMurry, J.E., JACS 111, 8928, 1989
112, 6942, 1990





McMurry, J.E., TL, 30, 1173

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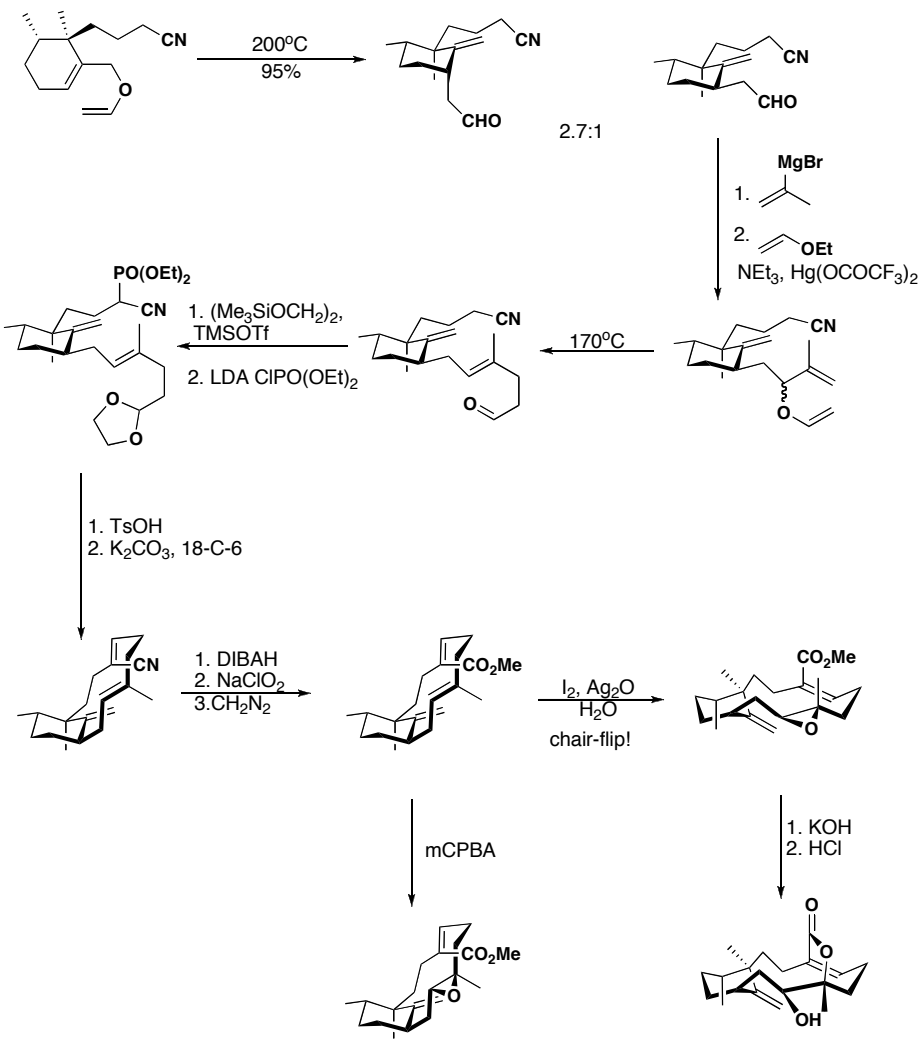
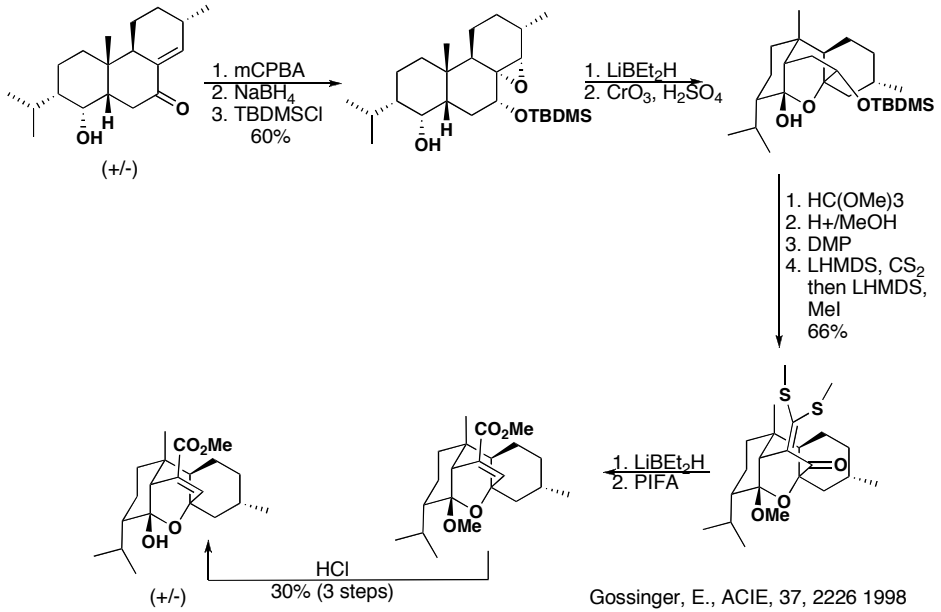
(+)-Cleomeolide



Paquette, L.A. JACS, 116, 3367, 1994

(+/-)-Chatancin



Gossinger, E., ACIE, 37, 2226 1998

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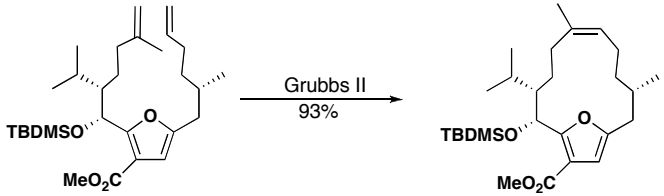

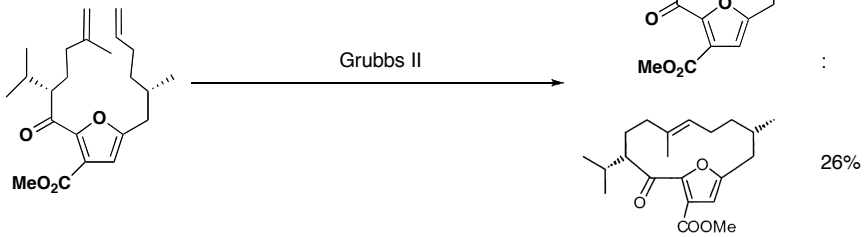

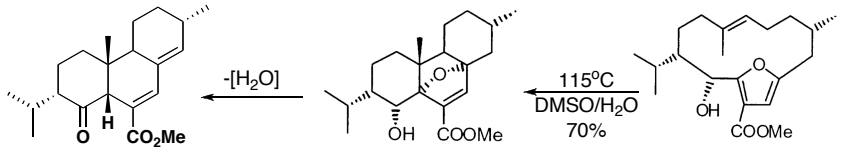

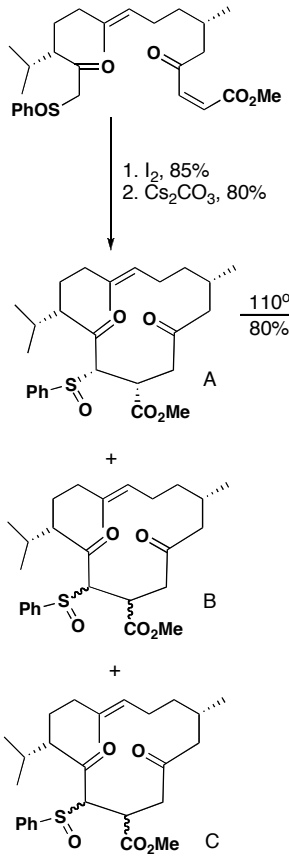

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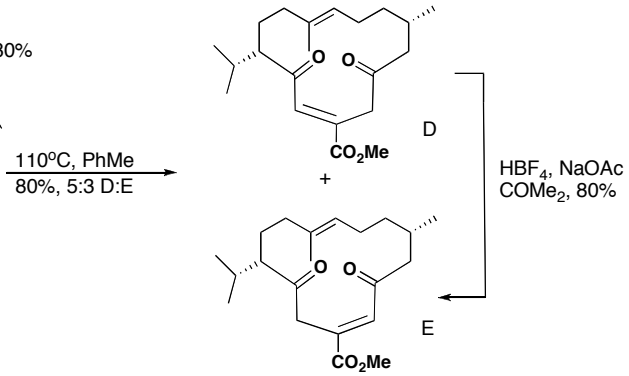

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A	89	6
B	30	40
C	15	25
D	70	
E	75	

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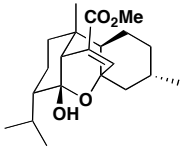

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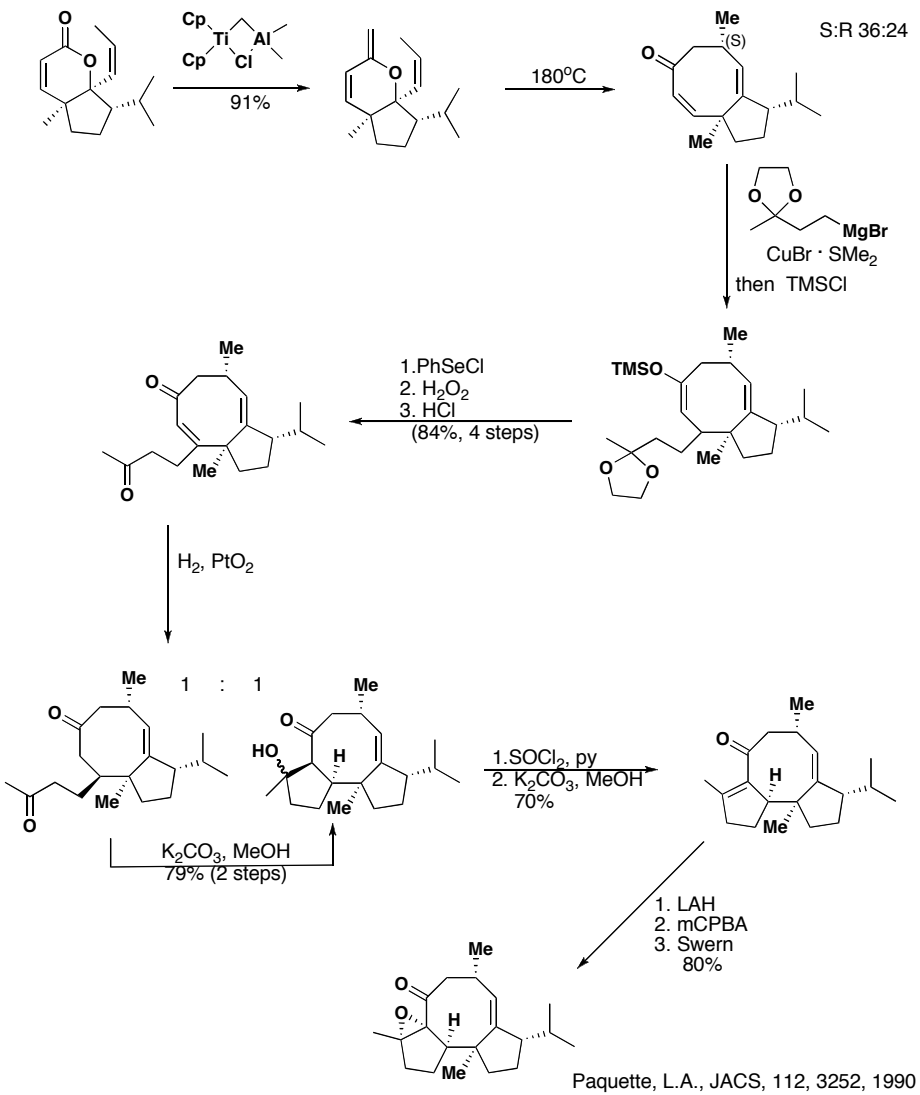

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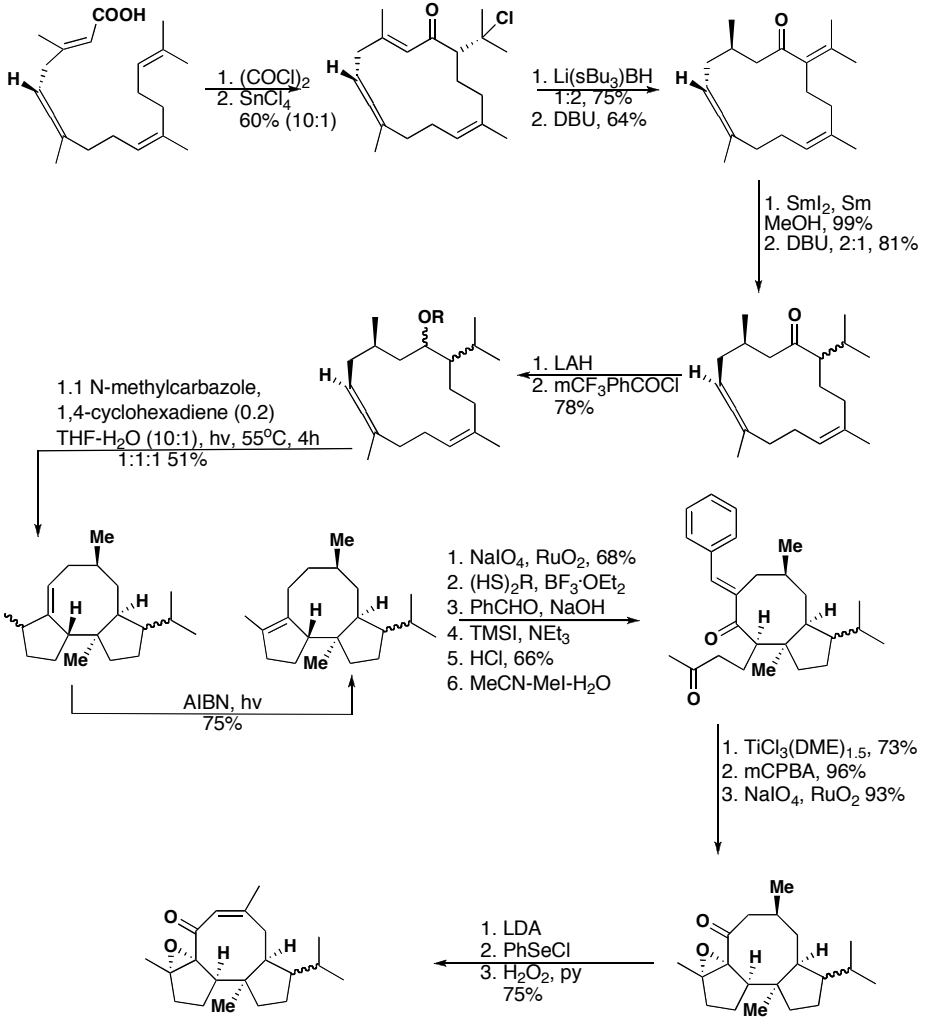

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