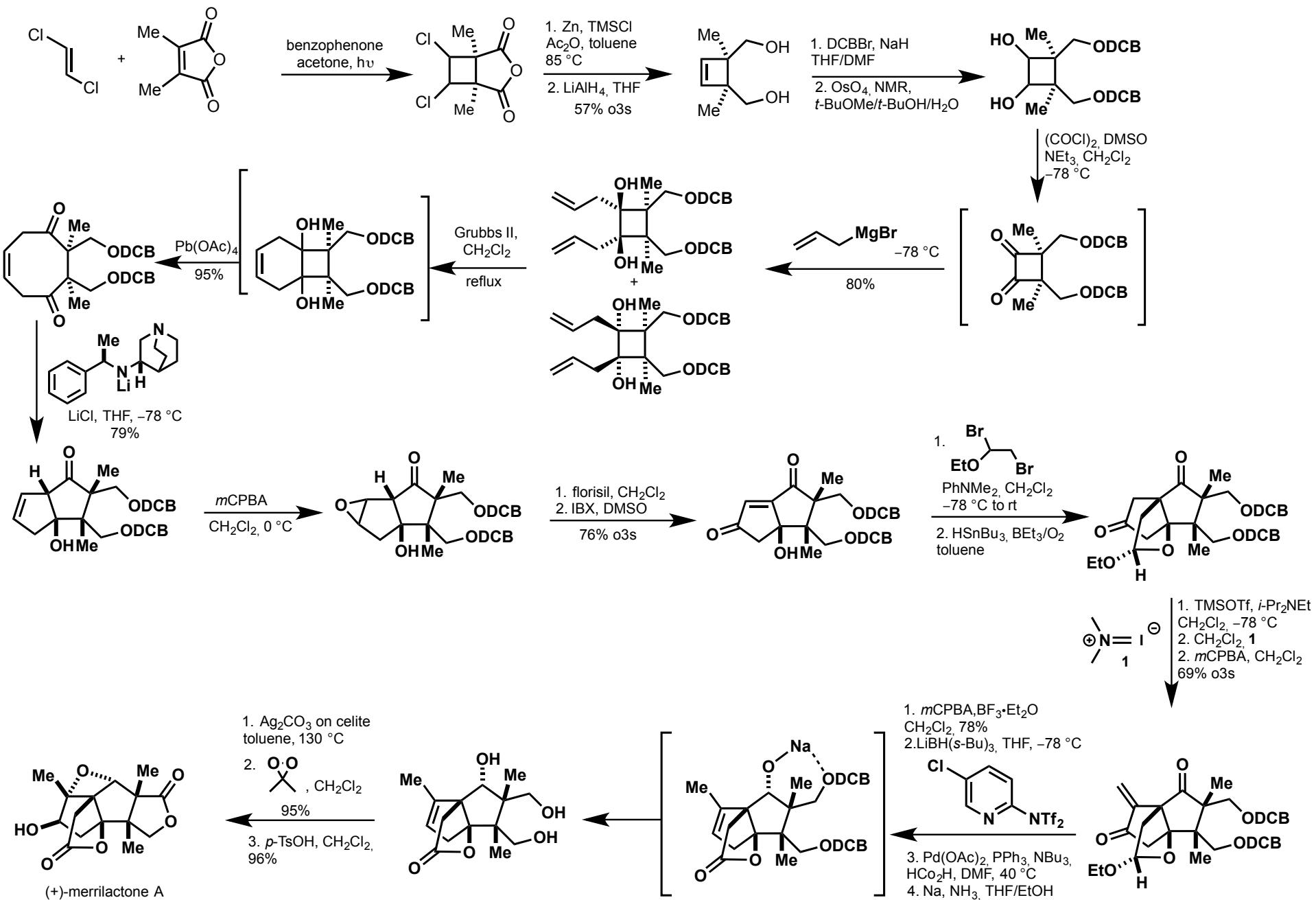
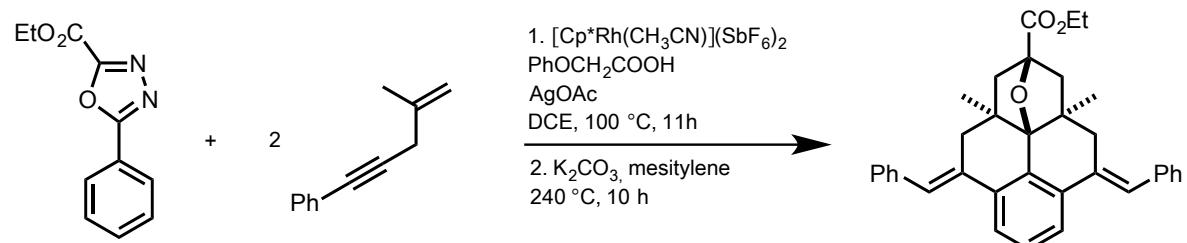


Total Synthesis of (-)-Merrilactone A
J. Org. Chem. 2007, 72, 3065.

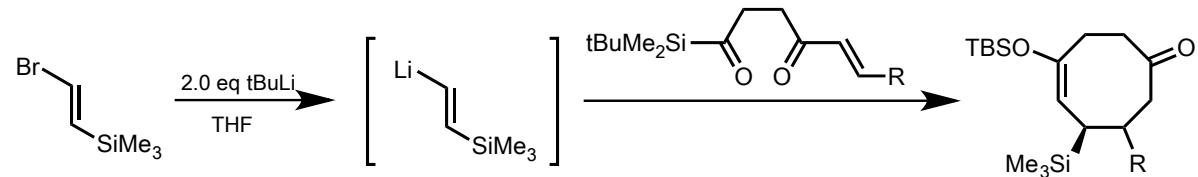


Draw a detailed mechanism:

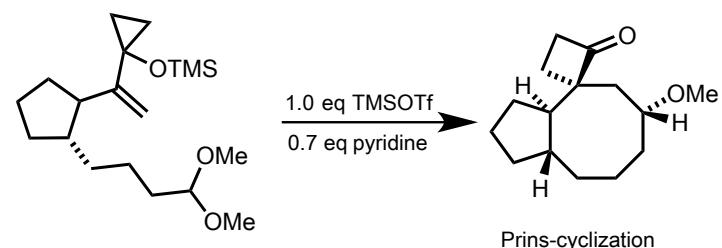


Org. Lett. 2016, 18, 5524.

Name the following reactions and draw the detailed mechanism:

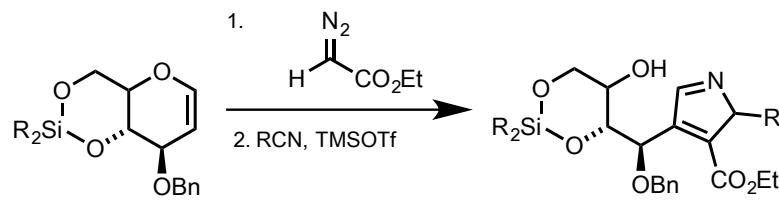


Brook-rearrangement



Prins-cyclization

J. Am. Chem. Soc. 1988, 110, 6556.



Org. Lett. 2003, 5, 5099.

Ritter-reaction