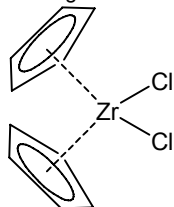
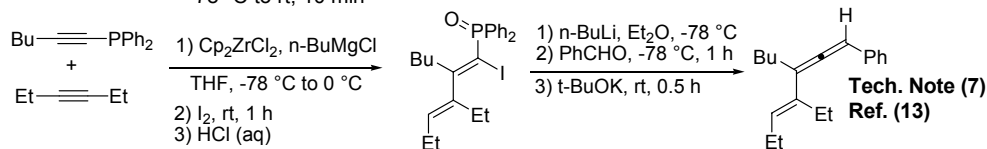
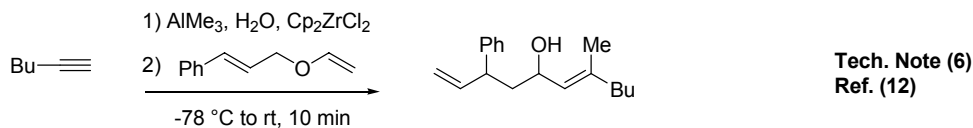
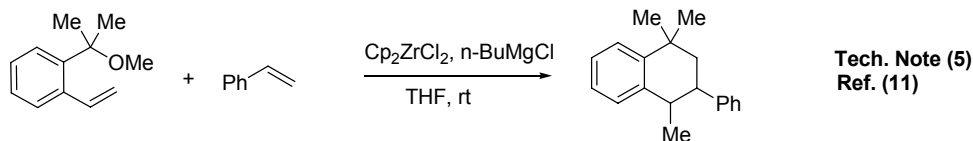
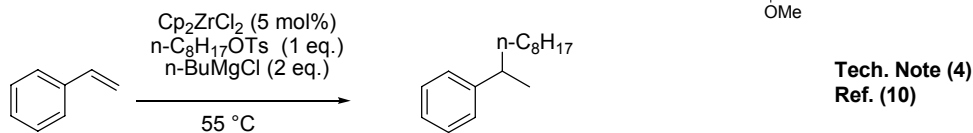
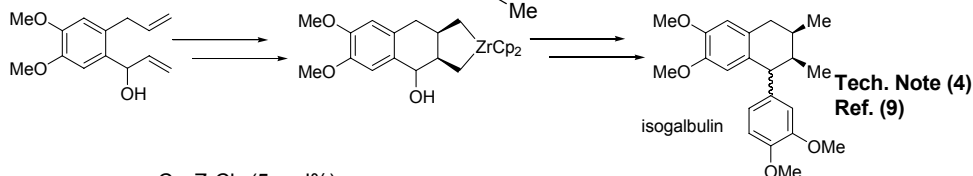
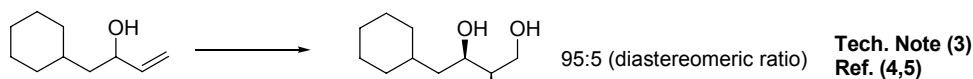
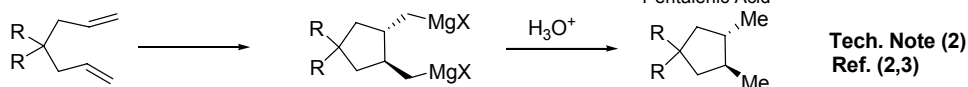
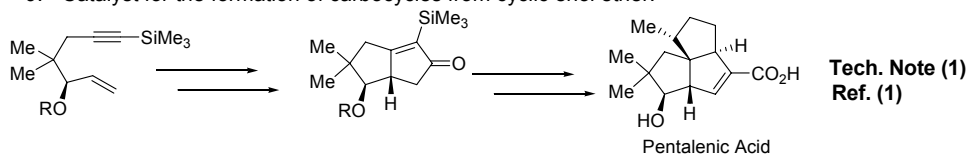


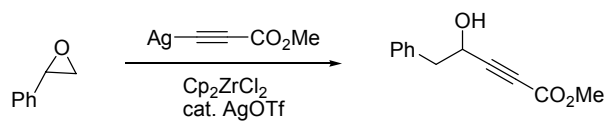
Catalog # 93-4002 Bis(cyclopentadienyl)zirconium dichloride, 99% (Zirconocene dichloride)



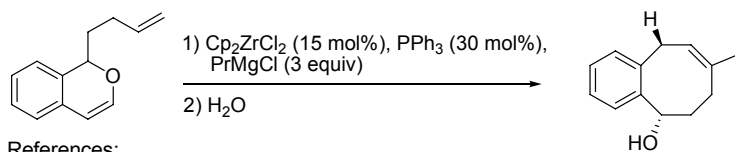
Technical Notes:

1. Reagent for the conversion of enynes to bicyclic cyclopentenones.
2. Precursor for the cyclization of dienes to cyclopentane and cyclohexane derivatives.
3. Precatalyst for the alkylation of olefins.
4. Precursor to zirconocene complexes of unsaturated organic molecules.
5. Catalyst for the coupling of alkoxyethyl-substituted styrene derivatives.
6. Reagent for the carboalumination-Claisen rearrangement-carbonyl addition cascade reaction.
7. Useful for the preparation of vinyl allenes.
8. Reagent for the alkylation of epoxides.
9. Catalyst for the formation of carbocycles from cyclic enol ether.





Tech. Note (8)
Ref. (14)



Tech. Note (9)
Ref. (15)

References:

1. *J. Am. Chem. Soc.*, **1989**, *111*, 3336.
2. *Tetrahedron Lett.*, **1992**, *33*, 7735.
3. *J. Am. Chem. Soc.*, **1991**, *113*, 6268.
4. *J. Am. Chem. Soc.*, **1992**, *114*, 6692.
5. *J. Am. Chem. Soc.*, **1993**, *115*, 6614.
6. *Encyclopedia of Reagents for Organic Synthesis*, **1995**, Vol. 3, 1667.
7. *Science*, **1993**, *261*, 1696.
8. *Acc. Chem. Res.*, **1994**, *27*, 124. (review)
9. *J. Org. Chem.*, **2000**, *65*, 3236.
10. *J. Am. Chem. Soc.*, **2000**, *122*, 5977.
11. *J. Org. Chem.*, **2005**, *70*, 4354.
12. *J. Org. Chem.*, **2005**, *70*, 8096.
13. *J. Org. Chem.*, **2005**, *70*, 8785.
14. *J. Org. Chem.*, **2008**, *73*, 1093.
15. *Org. Lett.*, **2007**, *9*, 3081.