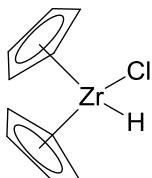
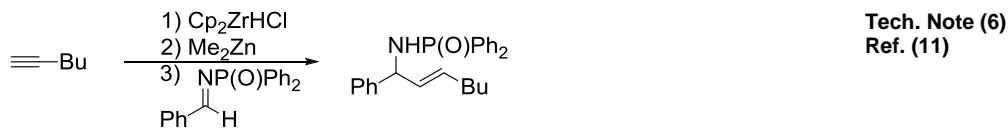
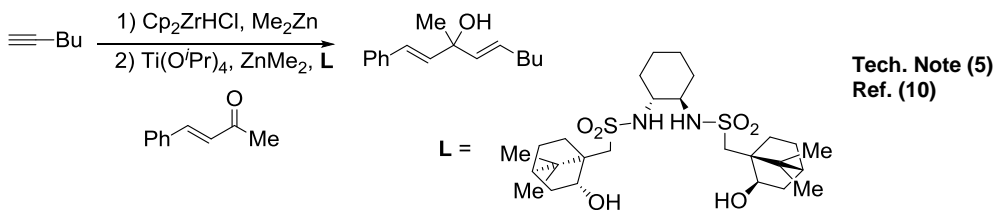
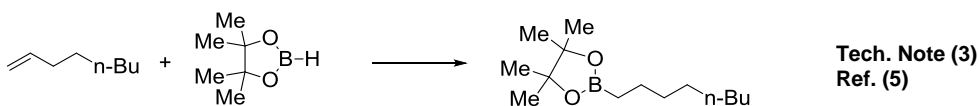
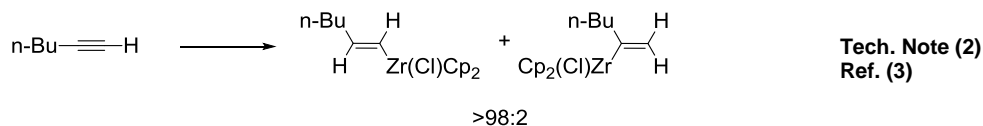
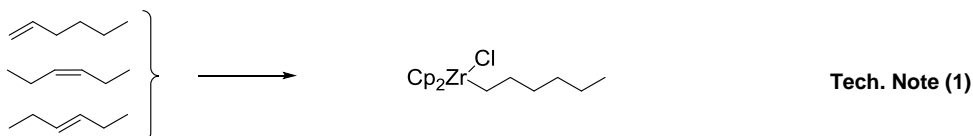


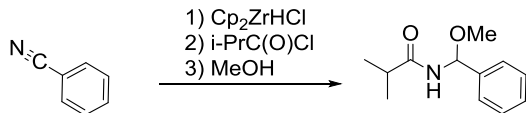
Catalog # 40-1040 Bis(cyclopentadienyl)zirconium chloride hydride (Schwartz's Reagent), 95%



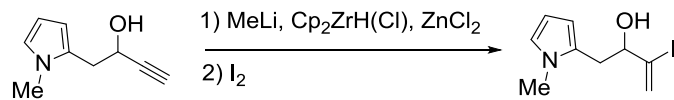
Technical Notes:

1. Reagent for the hydrozirconation of olefins.
2. Reagent for the hydrozirconation of alkynes.
3. Catalyst for the hydroboration of olefins.
4. Mediates the reduction of tertiary amides to aldehydes, without reduction of cyano, nitro, ester, or α,β -unsaturated groups.
5. Catalyst for the asymmetric vinylation and dienylation of ketones.
6. Useful reagent for dimethylzinc mediated additions alkenylzirconocenes to aldimines.
7. Useful reagent for the synthesis of oxidized amides from nitriles.
8. Reagent for the hydrozirconation of propargylic alcohols.





Tech. Note (7)
Ref. (12)



Tech. Note (8)
Ref. (13)

References:

1. *Comprehensive Organic Synthesis*, **1991**, Vol. 8, Chapter 3.9, 667.
2. *Organic Syntheses*, **1992**, 71, 77.
3. *Synthesis*, **1988**, 1.
4. *Synthesis*, **1993**, 537.
5. *J. Am. Chem. Soc.*, **1996**, 118, 909.
6. *Tetrahedron*, **1996**, 52, 12853.
7. *Encyclopedia of Reagents for Organic Synthesis*, **1995**, Vol. 2, 1082.
8. *Tetrahedron*, **1998**, 54, 753.
9. *J. Am. Chem. Soc.*, **2007**, 129, 3408.
10. *J. Am. Chem. Soc.*, **2005**, 127, 8355.
11. *J. Am. Chem. Soc.*, **2003**, 125, 761.
12. *Org. Lett.*, **2007**, 9, 5385.
13. *J. Am. Chem. Soc.*, **2007**, 129, 12088.