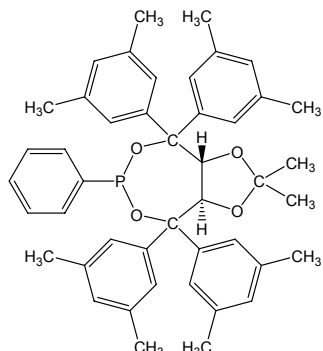
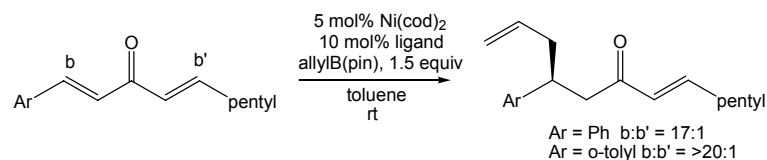


Catalog # 15-1511 (3aR,8aR)-(-)-4,4,8,8-Tetrakis(3,5-dimethylphenyl)tetrahydro-2,2-dimethyl-6-phenyl-1,3-dioxolo [4,5-e]dioxaphosphepin

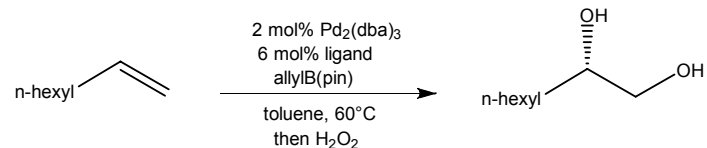


Technical Notes:

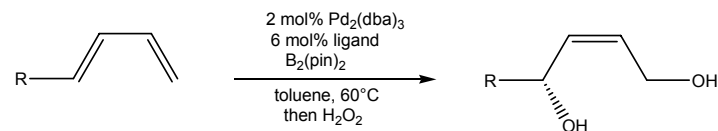
1. Chiral ligand used in the nickel-catalyzed, enantioselective, conjugate allylation of activated enones.
2. Chiral ligand used in the palladium-catalyzed, enantioselective diboration of terminal alkenes.
3. Chiral ligand used in the palladium-catalyzed, asymmetric, 1,4-dihydroxylation of 1,3-dienes via catalytic enantioselective diboration.
4. Chiral ligand used in the palladium-catalyzed diboration of N-silylated imines.



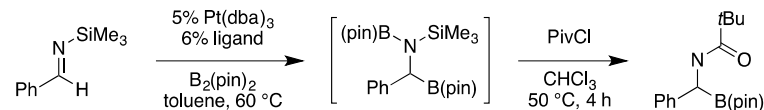
Tech. Note (1)
Ref. (1)



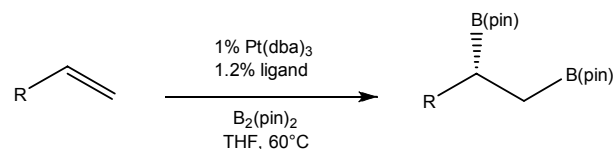
Tech. Note (2)
Ref. (2)



Tech. Note (3)
Ref. (3)



Tech. Note (4)
Ref. (4)



Tech. Note (2)
Ref. (5)

References:

1. *J. Am. Chem. Soc.*, **2008**, *130*, 4978.
2. *J. Am. Chem. Soc.*, **2009**, *131*, 13210.
3. *J. Am. Chem. Soc.*, **2009**, *131*, 9134.
4. *J. Am. Chem. Soc.*, **2013**, *135*, 9252.
5. *Nature*, **2014**, *505*, 386.