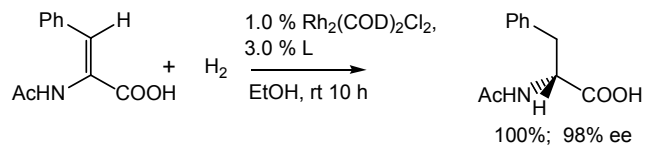


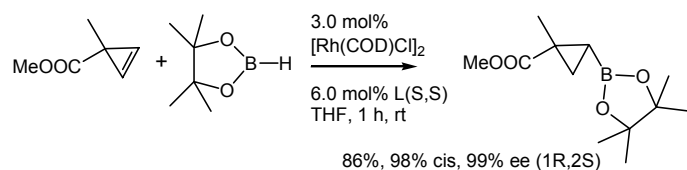
Catalog # 15-0141 (2S,3S)-(+)-2,3-Bis(diphenylphosphino)-bicyclo[2.2.1]hept-5-ene, min. 95% (S,S)-NORPHOS [71042-54-]

Technical Notes:

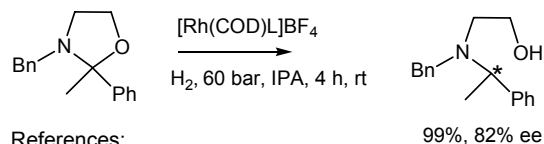
1. Ligand used in the enantioselective rhodium catalyzed hydrogenation of α -dehydroaminoesters and enamides.
2. Ligand used in the enantioselective rhodium catalyzed hydroboration of cyclopropenes.
3. Ligand used in the asymmetric rhodium catalyzed cleavage of racemic 1,3-oxazolidines.



Tech. Note (1)
Ref. (1)



Tech. Note (2)
Ref. (2)



Tech. Note (3)
Ref. (3)

References:

1. *Angew. Chem.*, **1979**, *91*, 655.
2. *J. Am. Chem. Soc.*, **2003**, *125*, 7198.
3. *Adv. Synth. Catal.* **2003**, *345*, 239.