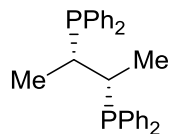
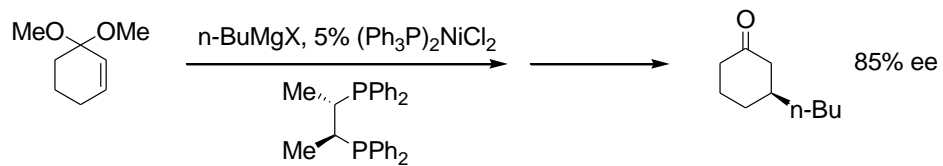


Catalog # 15-0160 (2S,3S)-(-)-Bis(diphenylphosphino)butane (S,S)-CHIRAPHOS, min. 98%



Technical Note:

1. Useful as a ligand in the Ni-catalyzed asymmetric additions to allylic ketals.



Reference:

1. *J. Am. Chem. Soc.*, **1998**, 120, 7649.