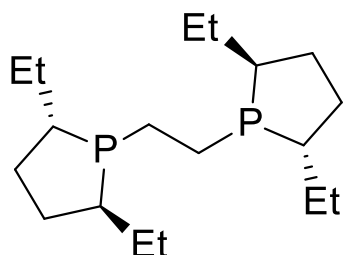
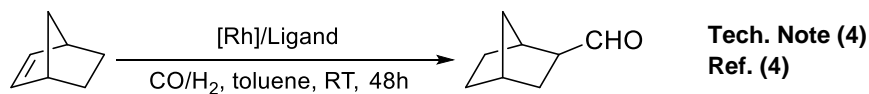
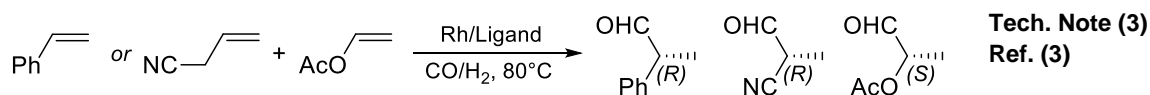
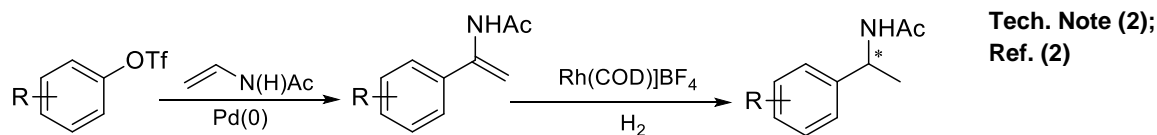
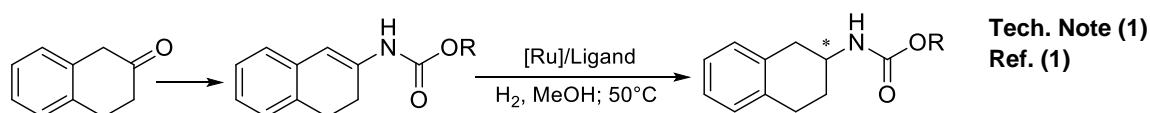


Catalog # 15-0102 (-)-1,2-Bis((2S,5S)-2,5-diethylphospholano)ethane, 98+% (S,S)-Et-BPE



Technical Notes:

1. Ligand for Ru-catalyzed enantioselective hydrogenation of ene carbamates.
2. Ligand for Pd-catalyzed asymmetric hydrogenation for producing N-acyl enamide.
3. Ligand for Rh-catalyzed regio- and enantioselective asymmetric hydroformylation of olefins.
4. Ligand for Rh-catalyzed enantioselective catalyst for asymmetric hydroformylation of [2.2.1]-bicyclic olefins.



References:

1. *Tetrahedron: Asymmetry*, **2001**, 12, 863.
2. *Tetrahedron Letters*, **2004**, 45, 9277.
3. *Angew. Chem. Int. Ed.*, **2005**, 44, 5834.
4. *Tetrahedron Letters*, **2005**, 46, 7831.