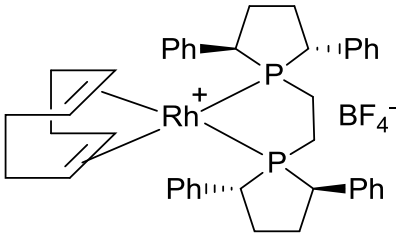
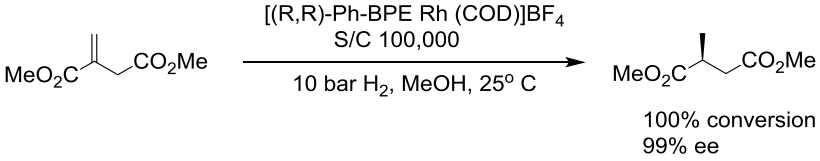
Catalog # B282813 (-)-1,2-Bis((2R,5R)-2,5-diphenylphospholano)ethane(1,5-cyclooctadiene)rhodium(I) tetrafluoroborate, min. 98% (R,R)-Ph-BPE-Rh



Note: (R,R)-Duphos and BPE Rhodium Catalysts Kit component.

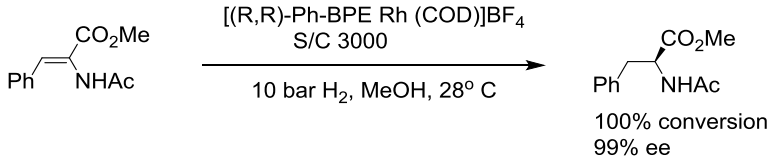
Technical Notes:

1. Phenyl-BPE exhibits enhanced activity and selectivity over existing members of the BPE ligand family in rhodium catalyzed asymmetric hydrogenation.
2. This ligand is highly efficient for the hydrogenation of *N*-acyl aryl-enamides.
3. Molar substrate/catalyst ratios of up to 100,000/1 are achieved with excellent reactivity and enantioselectivity using commercial grade substrates and solvents.
4. Ligand in the rhodium-catalyzed asymmetric hydroformylation of olefins.



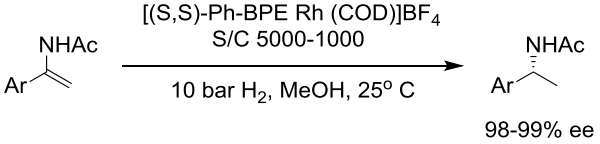
100% conversion
99% ee

Tech. Note (1)
Ref. (1)



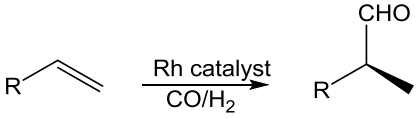
100% conversion
99% ee

Tech. Note (2)
Ref. (1)



98-99% ee

Tech. Note (3)
Ref. (2)



Tech. Note (4)
Ref. (3)

References:

1. *Org. Lett.*, **2003**, *5*, 1273.
2. *Tetrahedron Lett.*, **2004**, *45*, 9277.
3. *Angew. Chem. Int. Ed.*, **2005**, *44*, 5834.