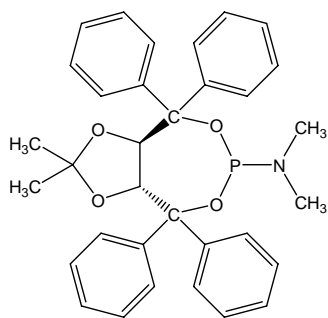


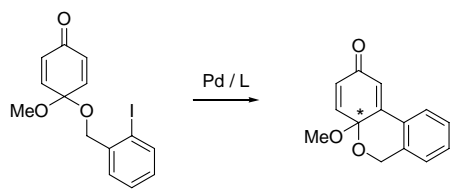
Catalog # 15-1505 (3aR,8aR)-(-)-(2,2-Dimethyl-4,4,8,8-tetraphenyl-tetrahydro[1,3]dioxolo[4,5-e][1,3,2]dioxaphosphepin-6-yl) dimethylamine, min. 98%



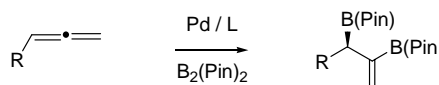
Note: Sold in collaboration with DSM for research purposes only. Patent WO 02 04466. DSM's MonoPhos™ Ligand Kit component.

Technical Notes:

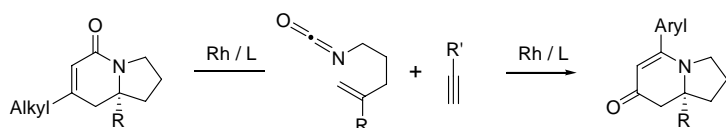
1. Monodentate ligand for the enantioselective intramolecular reaction of prochiral cyclohexadienones.
2. Ligand use in the palladium-catalyzed, enantioselective diboration of allenes.
3. Enantioselective Rh-catalyzed [2+2+2] cycloaddition of alkynes and isocyanates.
4. Palladium-catalyzed enantioselective C-H arylation.
5. Palladium-catalyzed dynamic kinetic cross-coupling.
6. Palladium-catalyzed enantioselective C-H arylation.



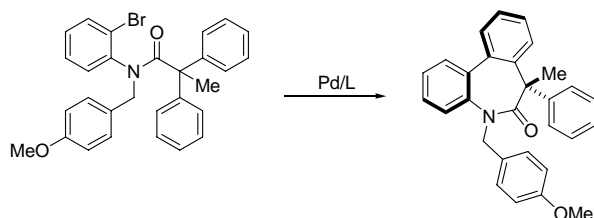
Tech. Note (1)
Ref. (1)



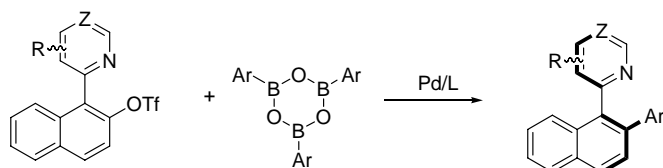
Tech. Note (2)
Ref. (2)



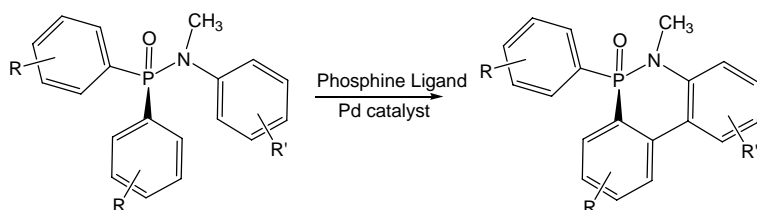
Tech. Note (3)
Ref. (3)



Tech. Note (4)
Ref. (4)



Tech. Note (5)
Ref. (5)



Tech. Note (6)
Ref. (6)

References:

1. *J. Am. Chem. Soc.*, **2002**, *124*, 184.
2. *J. Am. Chem. Soc.*, **2004**, *126*, 16328.
3. *Org. Lett.*, **2008**, *10*, 1231.
4. *Angew. Chem. Int. Ed.*, **2013**, *52*, 7865.
5. *J. Am. Chem. Soc.*, **2013**, *135*, 15730.
6. *Angew. Chem. Int. Ed.*, **2015**, *54*, 6265.