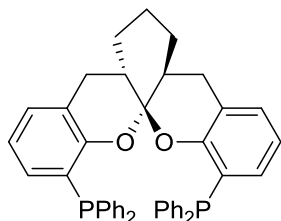


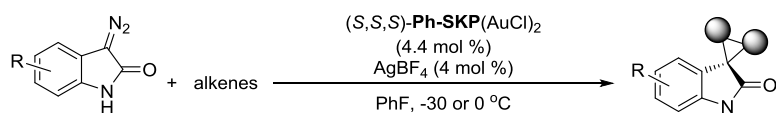
Catalog # 15-4311 (-)-1,13-Bis(diphenyl)phosphino-(5aS,8aS,14aS)-5a,6,7,8,8a,9-hexahydro-5H-[1]benzopyrano [3,2-d]xanthene, 97% (S,S,S)-(-)-Ph-SKP



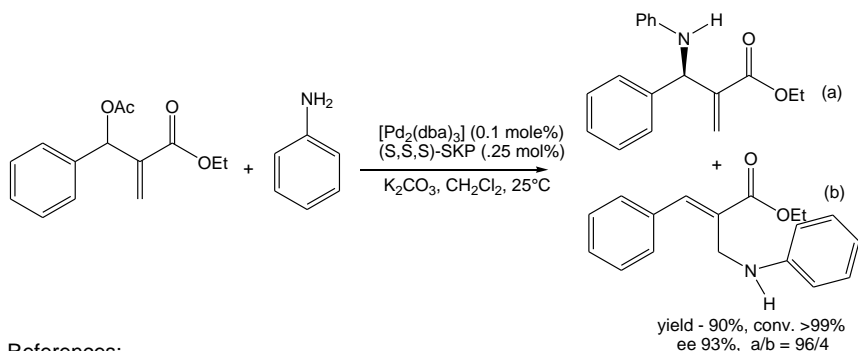
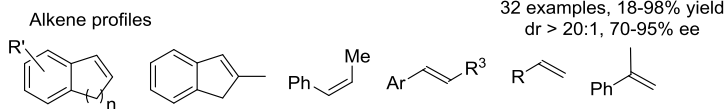
Note: Sold in collaboration with SIOC for research purposes only. Patents PCT/CN2013/071091, CN202110253896.5

Technical Notes:

1. Efficient ligand for the Au(I)-catalyzed, highly stereoselective, olefin cyclopropanation of diazooxindoles.
2. Palladium-catalyzed asymmetric allylic amination of Morita-Baylis-Hillman adducts. Exceptionally high efficiency and new mechanism.
3. See also 15-4320.



Tech. Note (1)
Ref. (1)



References:

1. *J. Am. Chem. Soc.*, **2013**, 135, 8197.
2. *J. Am. Chem. Soc.*, **2014**, 136, 405.
3. *Angew. Chem., Int. Ed.* **2012**, 51, 936.