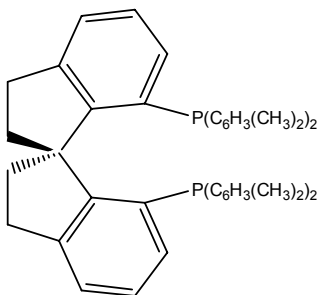


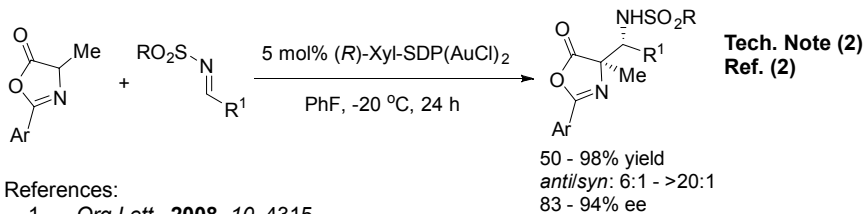
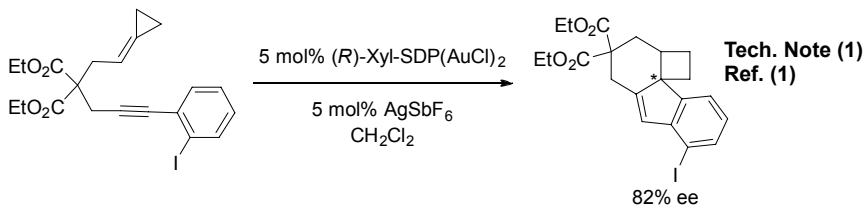
Catalog # 15-5168 (R-(+)-7,7'-Bis[di(3,5-dimethylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobiindane, min. 97% (R)-Xyl-SDP



Note: Spiro Bisphosphine Ligand Kit component.

Technical Notes:

1. Chiral ligands for gold-catalyzed asymmetric ring expanding cycloisomerization.
2. Chiral ligands for gold-catalyzed asymmetric Mannich reactions of azlactones.



References:

1. *Org. Lett.*, **2008**, *10*, 4315.
2. *J. Am. Chem. Soc.*, **2011**, *133*, 3517.