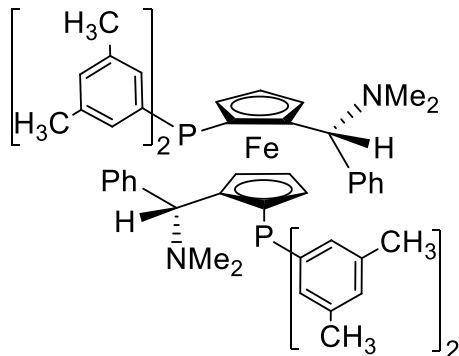


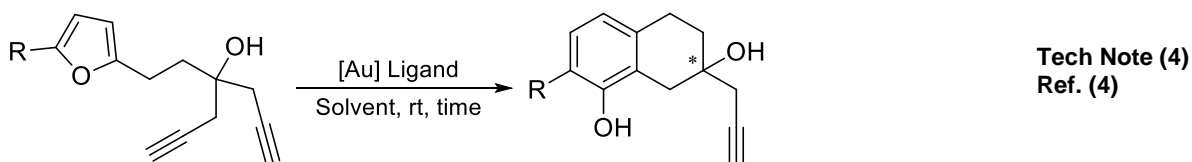
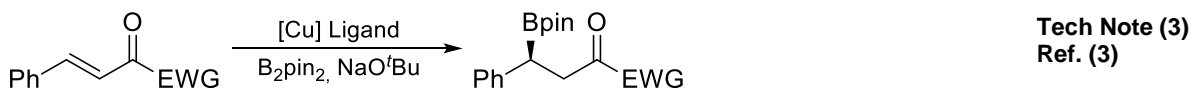
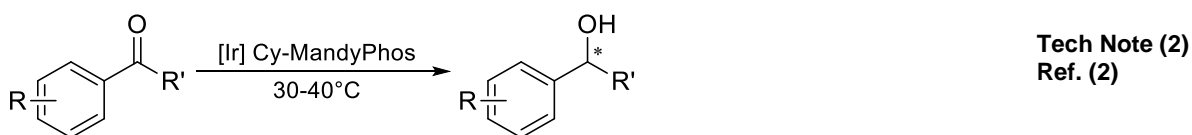
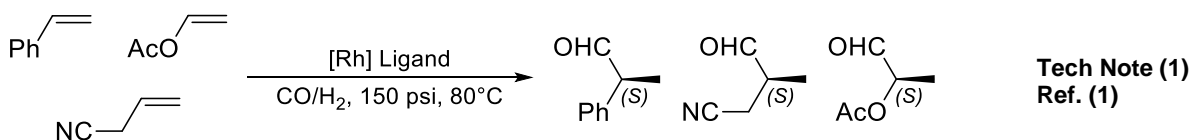
Catalog # 26-0246 (S,S)-(-)-2,2'-Bis[(R)-(N,N-dimethylamino)(phenyl)methyl]-1,1'-bis(di(3,5-dimethylphenyl)phosphino)ferrocene, min. 97%

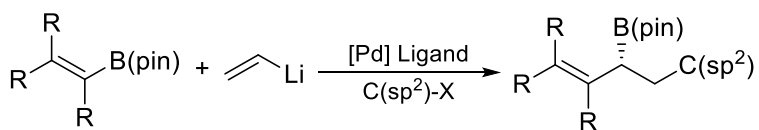


Note: Sold in collaboration with Solvias for research purposes only. Solvias MandyPhos™ Ligand Kit component.

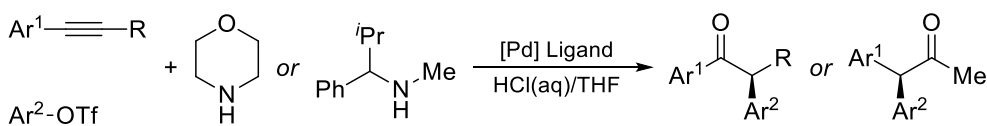
#### Technical Notes:

1. Ligand used for Rh-catalyzed asymmetric hydroformylation reactions of styrene, allyl cyanide, and vinyl acetate.
2. Ligand for Ir-catalyzed asymmetric transfer hydrogenation of ketones.
3. Ligand for Cu-catalyzed enantioselective hydroboration of  $\alpha$ - and  $\beta$ -unsaturated esters and nitriles.
4. Used for Au-catalyzed chemoselective cycloisomerization of furyldialkyne to the *rac*-tetrahydronaphthalene diol.
5. Used in enantioselective Pd-catalyzed conjunctive cross-coupling of bis(alkenyl)borates to generate chiral allylborons.
6. Ligand used in Pd-catalyzed a three-component aminoarylation of alkynes to generate enamines with subsequent hydrolysis to either  $\alpha$ -arylphenones or  $\alpha,\alpha$ -diarylketones.





Tech Note (5)  
Ref. (5)



Tech Note (6)  
Ref. (6)

## References:

1. [Organometallics 2006, 25, 5003.](#)
2. [Chem. Eur. J., 2008, 14, 10388.](#)
3. [Angew. Chem. Int. Ed., 2008, 47, 145.](#)
4. [Chem. Eur. J. 2009, 15, 13318.](#)
5. [J. Am. Chem. Soc. 2017, 139, 5027.](#)
6. [Angew. Chem. Int. Ed. 2018, 57, 13598.](#)