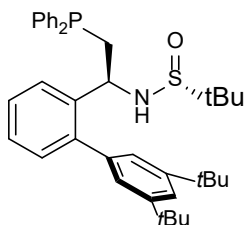


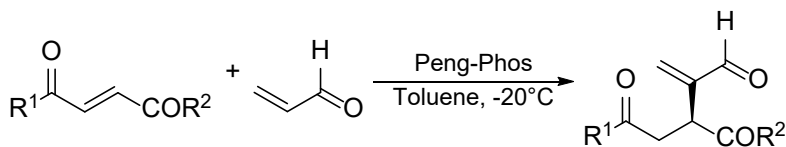
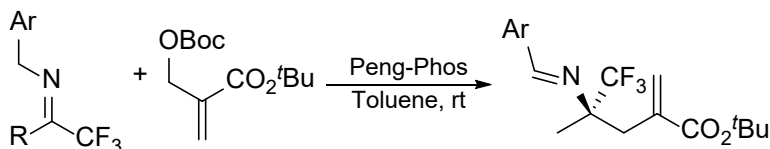
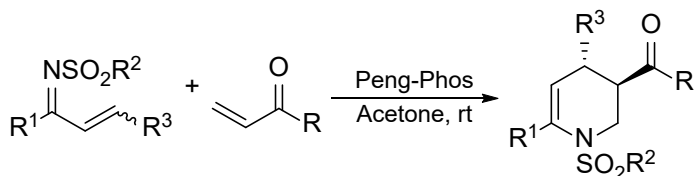
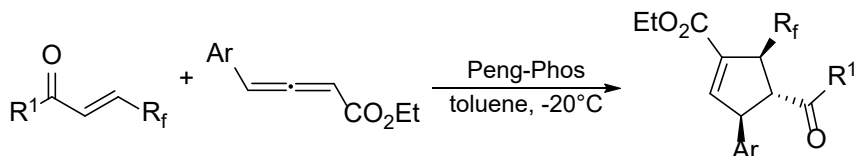
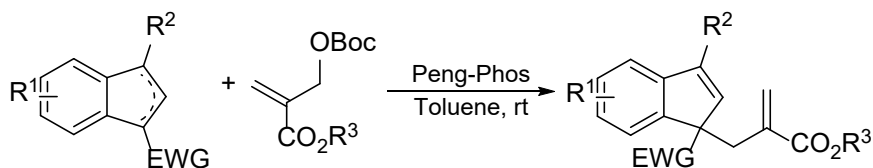
Catalog # 15-8384

[S(R)]-N-[(1S)-1-[3',5'-Bis(1,1-dimethylethyl)[1,1'-biphenyl]-2-yl]-2-(diphenylphosphino)ethyl]-2-methyl-2-propanesulfonamide, 95%



## Technical Notes:

1. Organocatalyst used in enantioselective intermolecular cross Rauhut-Currier reactions of activated alkenes with acrolein.
2. Used in phosphine-catalyzed asymmetric umpolung addition of trifluoromethyl ketimines to Morita-Baylis-Hillman carbonates.
3. Organocatalyst used in aza-[4+2] cycloaddition of N-sulfonyl-1-aza-1,3-dienes with vinyl ketones.
4. Catalyst for the enantioselective [3+2] cycloadditions of  $\gamma$ -substituted allenates with  $\beta$ -perfluoroalkyl enones.
5. Used in the enantioselective phosphine-catalyzed allylic alkylations of *mix*-indene with MBH carbonates.

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)

References:

1. *Chem. Commun.*, **2016**, 52, 7612.
2. *Angew. Chem. Int. Ed.* **2016**, 55, 13316.
3. *Org. Lett.* **2017**, 19, 1710.
4. *Chem. Sci.*, **2017**, 8, 4660.
5. *Org. Lett.* **2017**, 19, 6080.