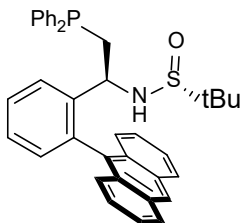
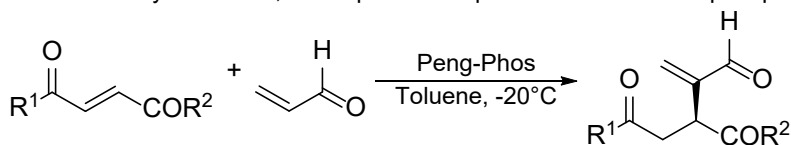


Catalog # 15-8370 [S(R)]-N-[(1S)-1-[2-(9-Anthracenyl)phenyl]-2-(diphenylphosphino)ethyl]-2-methyl-2-propanesulfonamide, 95%

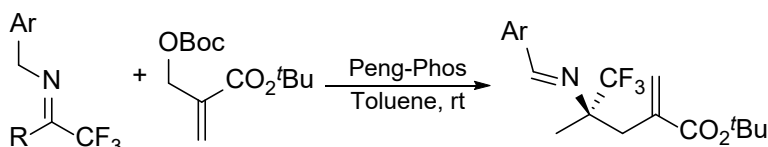


#### Technical Notes:

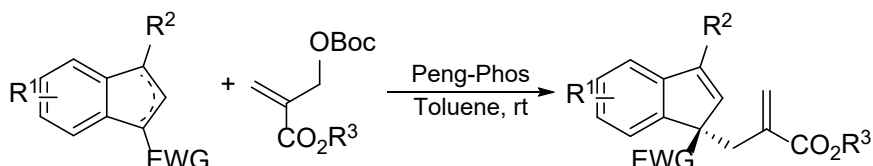
1. Organocatalyst used in enantioselective intermolecular cross Rauhut-Currier reactions of activated alkenes with acrolein.
2. Used in phosphine-catalyzed asymmetric umpolung addition of trifluoromethyl ketimines to Morita-Baylis-Hillman carbonates.
3. Used in the enantioselective phosphine-catalyzed allylic alkylations of *mix*-indene with MBH carbonates.
4. Used in phosphine-catalyzed asymmetric synthesis of  $\alpha$ -quaternary amine via umpolung  $\gamma$ -addition of ketimines to allenates.
5. Ligand for the direct Pd-catalyzed cross-coupling reaction of easily accessible secondary phosphine oxides and aryl bromides, which provides rapid access to P-chiral phosphine oxides.



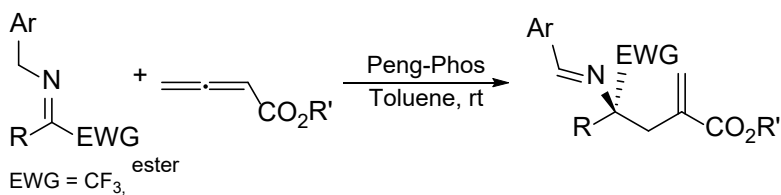
Tech Note (1)  
Ref. (1)



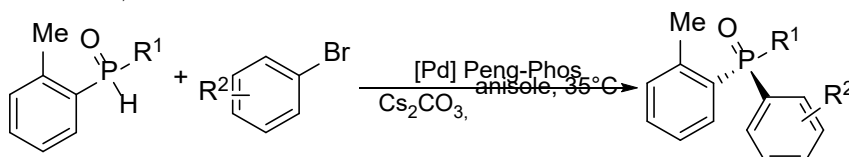
Tech Note (2)  
Ref. (2)



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, 6080.
4. *Org. Lett.* **2017**, 19, 6550.
5. *J. Am. Chem. Soc.* **2019**, 141, 20556.