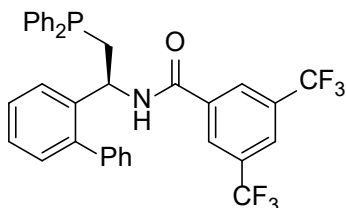
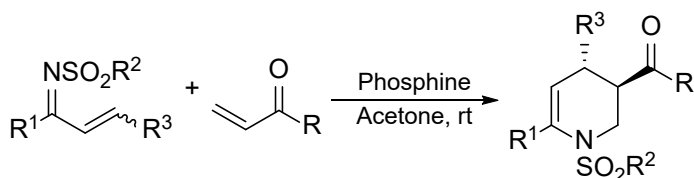


Catalog # 15-8506 N-[(1S)-1-[1,1'-Biphenyl]-2-yl-2-(diphenylphosphino)ethyl]-3,5-bis(trifluoromethyl)-benzamide, 95%

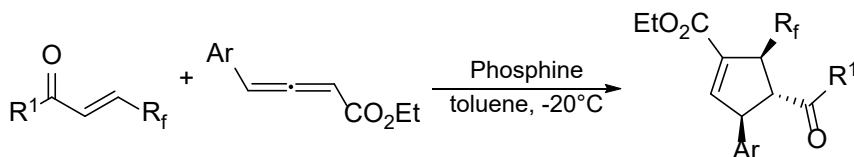


Technical Notes:

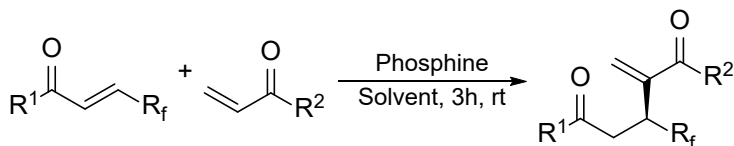
1. Organocatalyst used in aza-[4+2] cycloaddition of N-sulfonyl-1-aza-1,3-dienes with vinyl ketones.
2. Catalyst for the enantioselective [3+2] cycloadditions of  $\gamma$ -substituted allenoates with  $\beta$ -perfluoroalkyl enones.
3. Catalyst for asymmetric intermolecular cross Rauhut-Currier reaction of  $\beta$ -perfluoroalkyl-substituted enones and vinyl ketones.



Tech Note (1)  
Ref. (1)



Tech Note (2)  
Ref. (2)



Tech Note (3)  
Ref. (3)

References:

1. *Org. Lett.* **2017**, *19*, 1710.
2. *Chem. Sci.*, **2017**, *8*, 4660.
3. *Adv. Synth. Catal.* **2017**, *359*, 3347.