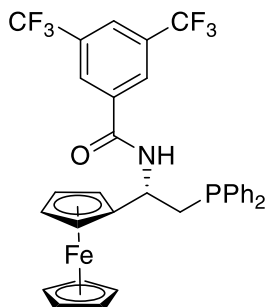
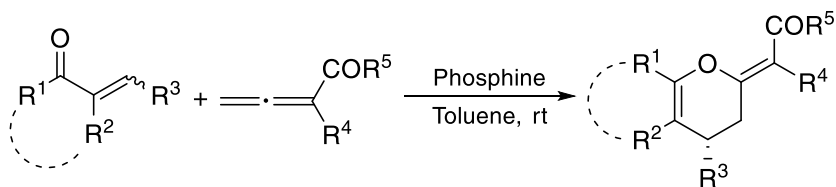


Catalog # 15-8510 N-[(1S)-(1-Ferrocenyl)-2-(diphenylphosphino)ethyl]-3,5-bis(trifluoromethyl)-benzamide, 98%



Technical Notes:

1. Ferrocene derived bifunctional phosphine catalyst for asymmetric oxa-[4+2] cycloaddition of  $\alpha$ -substituted allenones with enones.



$R^1 = \text{CF}_3, \text{Ar}; R^2 = \text{CN, H, Alkyl}; R^3 = \text{R}_f, \text{Ar}; R^4 = \text{Alkyl}, R^5 = \text{Ar, alkyl}$

**Tech Note (1)**  
**Ref. (1)**

References:

1. *Chem. Eur. J.* **2017**, *23*, 13587.