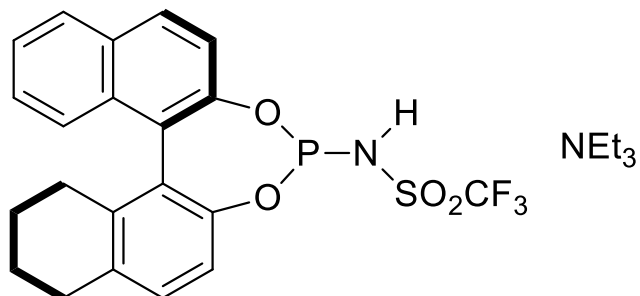


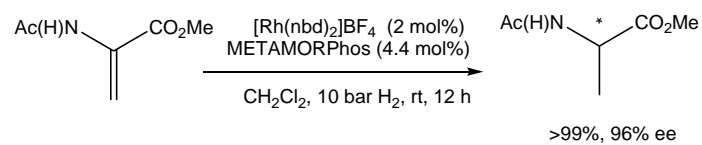
Catalog # 15-2228 N-[(11bS)-Dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin-4-yl]-1,1,1-trifluoromethanesulfonamide triethylamine adduct, min. 97% METAMORPhos



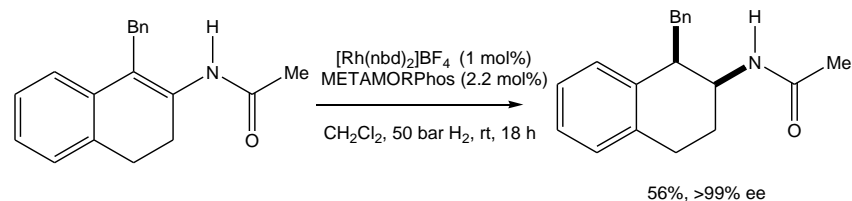
Note: Sold under license from InCatT for research purposes only. WO2009/065856. UREAPhos and METAMORPhos Ligand Kit component.

Technical Note:

1. Chiral ligand for the rhodium-catalyzed asymmetric hydrogenation of  $\alpha$ - $\beta$  unsaturated substrates.



**Tech. Note (1)**  
**Ref. (1-3)**



**Tech. Note (1)**  
**Ref. (1-3)**

References:

1. *J. Am. Chem. Soc.*, **2009**, *131*, 6683.
2. *Angew. Chem. Int. Ed.*, **2008**, *47*, 3180.
3. Patent WO2009065856.