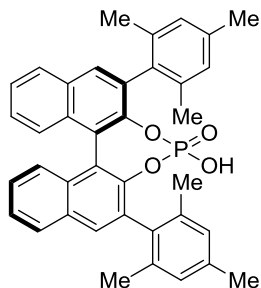
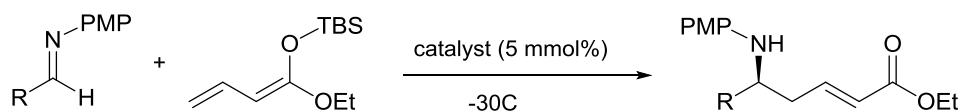


Catalog # 15-3712 (11bR)-4-Hydroxy-2,6-bis(2,4,6-trimethylphenyl)-4-oxide-dinaphtho[2,1-d':1',2'-f][1,3,2]dioxaphosphepin, 98%, (99% ee)



Technical Notes:

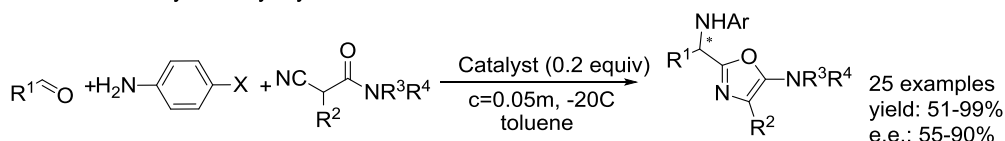
- Mannich Reaction:** Catalyst for the enantioselectively highly-regioselective addition of a silyl dienolate to imines in good yields to give α,β -unsaturated δ -amino carboxylic esters in one step.
- Three-component reactions of aldehydes, anilines, and α -isocyanoacetamides in the presence of a catalytic amount of chiral phosphoric acid afforded the 5-(1-aminoalkyl)-5-aminoxazole.



PMP: para-methoxyphenyl
TBS: tert-butyldimethylsilyl

up to 94% yield
and 96:4 e.r.

Tech Note (1)
Ref. (1)



25 examples
yield: 51-99%
e.e.: 55-90%

Tech Note (2)
Ref. (2)

References:

- Angew. Chem. Int. Ed.*, **2008**, *47*, 3631-3634.
- Angew. Chem. Int. Ed.*, **2009**, *48*, 6717-6721.