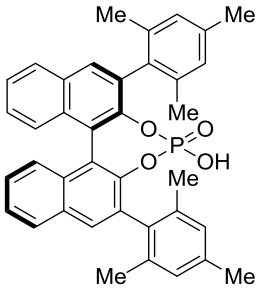
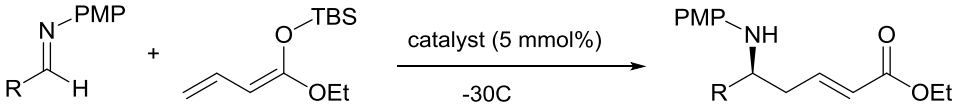
Catalog # B282092 (11bR)-4-Hydroxy-2,6-bis(2,4,6-trimethylphenyl)-4-oxide-dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin, 98%, (99% ee)



Technical Notes:

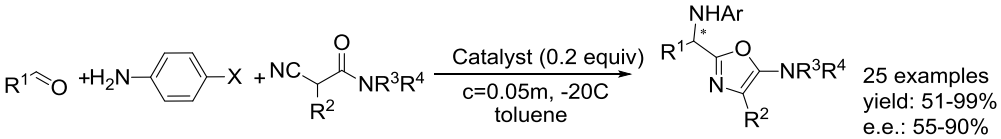
1. **Mannich Reaction**: Catalyst for the enantioselectively highly-regioselective addition of a silyl dienolate to imines in good yields to give α,β-unsaturated δ-amino carboxylic esters in one step.
2. Three-component reactions of aldehydes, anilines, and α-isocyanoacetamides in the presence of a catalytic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



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:

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