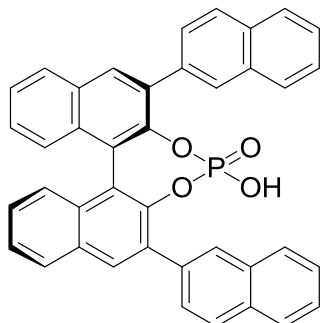
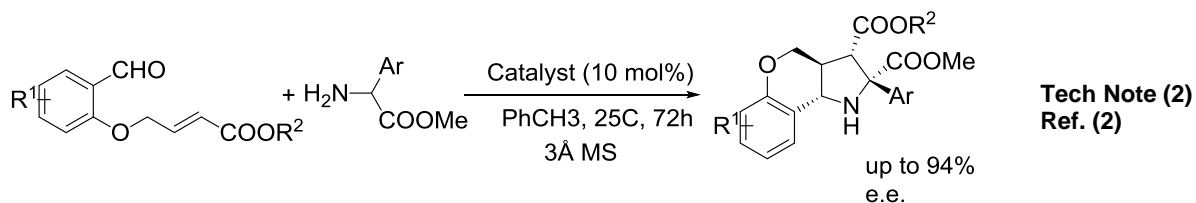
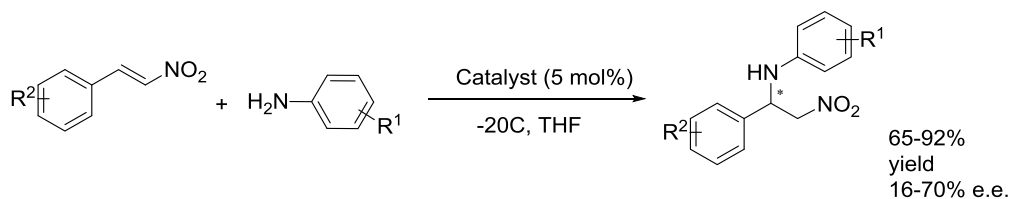


Catalog # B300865 (11bR)-4-Hydroxy-2,6-di-2-naphthalenyl-4-oxide-dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin, 98%, (99% ee)



Technical Notes:

1. **aza-Michael Addition:** Catalyst for the enantioselective aza-Michael addition of aromatic amines to nitroolefins.
2. **Cycloaddition:** A chiral phosphoric acid-catalyzed intramolecular 1,3-dipolar cycloaddition of 4-(2-formylphenoxy)butenoates with amino esters provides hexahydromeno[4,3-b]pyrrolidine derivatives in high enantioselectivity (up to 94% ee).



References:

1. *Chinese J Catal*, **2011**, 32, 1573-1576.
2. *Org. Biomol. Chem.*, **2010**, 8, 2016-2019.