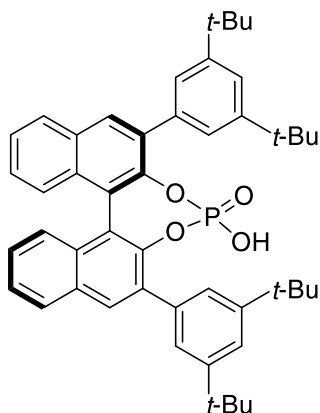
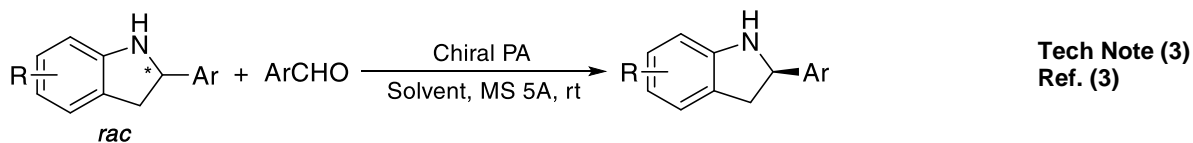
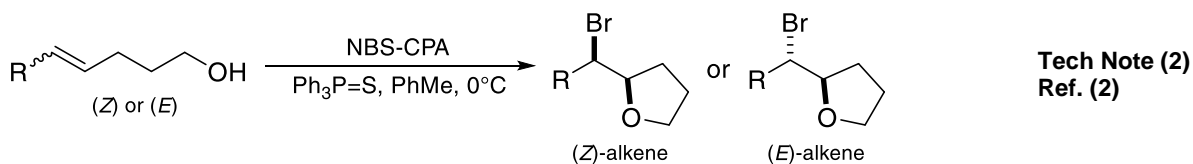
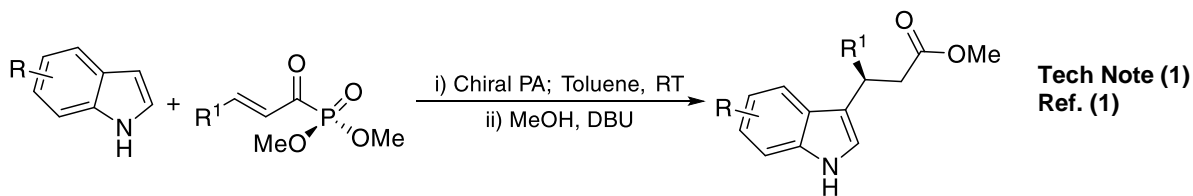


Catalog # 15-8520 (11bR)-2,6-Bis[4-(9-anthracenyl)-2,6-bis(isopropyl)phenyl]-4-hydroxy-4-oxide-dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin, 95%, (99% ee)



#### Technical Notes:

1. Organocatalyst for enantioselective Friedel-Crafts alkylation reaction of indoles with  $\alpha,\beta$ -unsaturated acyl phosphonates.
2. Used in the Lewis base/chiral Brønsted acid catalyzed enantioselective bromocycloetherification.
3. Chiral phosphoric acid catalyst for the kinetic resolution of indolines based on a self-redox reaction.



#### References:

1. *Chem. Commun.* **2010**, 46, 4112.
2. *Org. Lett.*, **2012**, 14, 256.
3. *Angew. Chem. Int. Ed.* **2016**, 55, 3148.