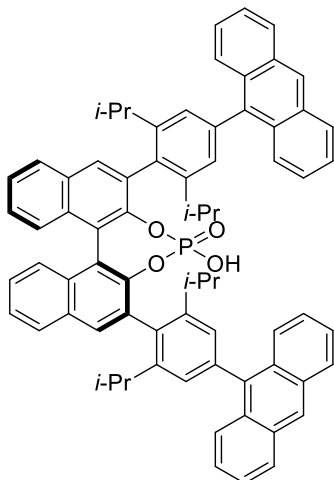
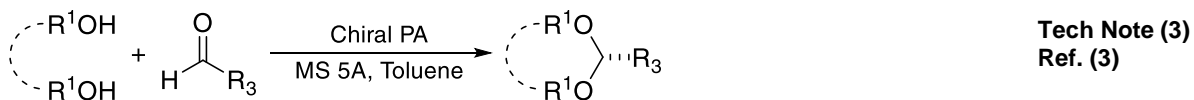
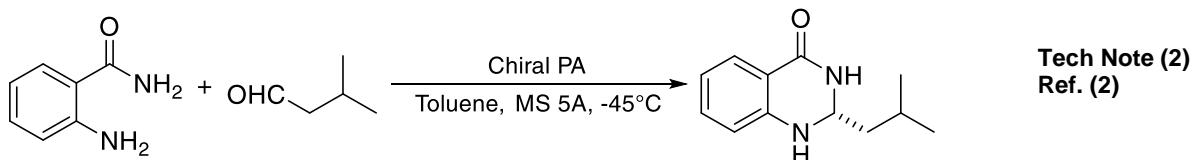
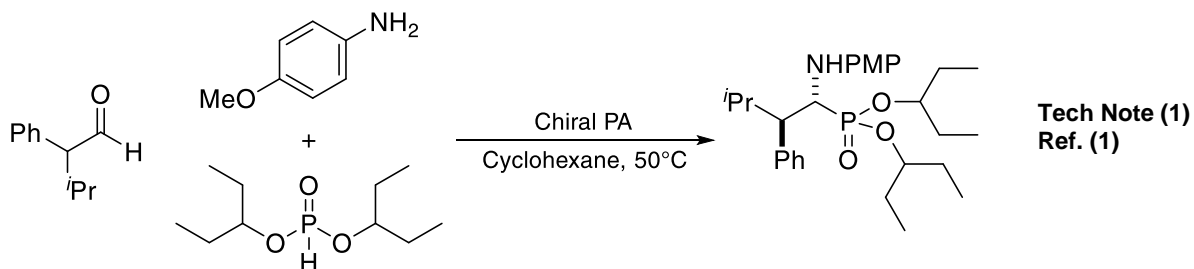


Catalog # 15-8521 (11bS)-2,6-Bis[4-(9-anthracenyl)-2,6-bis(isopropyl)phenyl]-4-hydroxy-4-oxide-dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphin, 95%, (99% ee)



Technical Notes:

1. Used in direct Brønsted acid catalyzed asymmetric three-component Kabachnik-Fields reaction.
2. Used in direct catalytic asymmetric synthesis of cyclic aminals from aldehydes.
3. Brønsted acid catalyst for asymmetric acetalization of aliphatic aldehydes.



References:

1. *Angew. Chem. Int. Ed.* **2013**, *52*, 4474.
2. *J. Am. Chem. Soc.* **2008**, *130*, 15786.
3. *Angew. Chem. Int. Ed.* **2008**, *47*, 5079.