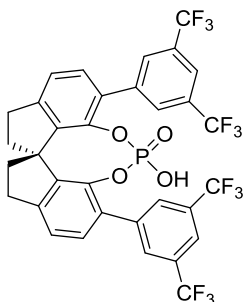
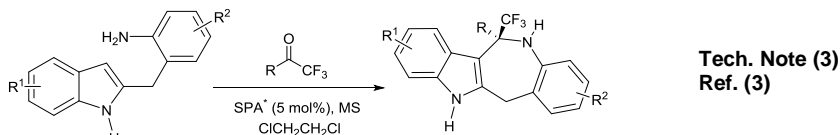
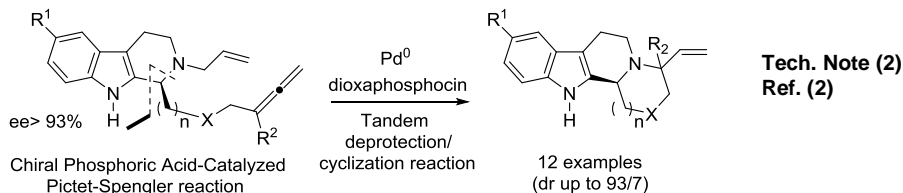
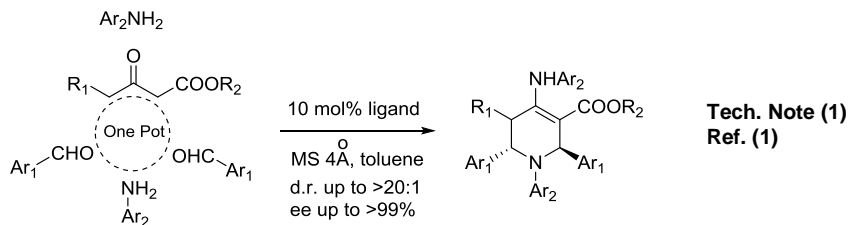


Catalog # 15-0528 (11aS)-3,7-Bis[3,5-bis(trifluoromethyl)phenyl]-10,11,12,13-tetrahydro-5-hydroxy-5-oxide-diindeno[7,1-de:1',7'-fg][1,3,2]dioxaphosphocin, min. 98%



Technical Notes:

1. Organocatalytic asymmetric multicomponent reactions of aromatic aldehydes and anilines with β -ketoesters: facile and atom-economical access to chiral tetrahydropyridines.
2. Pd(0)-catalyzed tandem deprotection/cyclization of tetrahydro- β -carbolines on allenes: application to the synthesis of indolo[2,3-*a*]quinolizidines.
3. Enantioselective synthesis of benzazepinoindoles bearing trifluoromethylated quaternary stereocenters, catalyzed by chiral spirocyclic phosphoric acids.



References:

1. *Chem Commun.*, **2013**, 49, 1401.
2. *Org. Lett.*, **2014**, 16, 1924.
3. *Chem Commun.*, **2014**, 50, 7538.