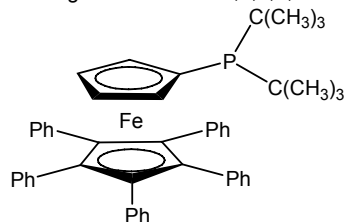


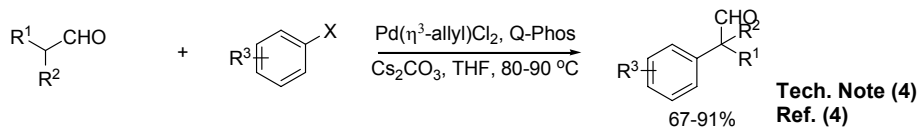
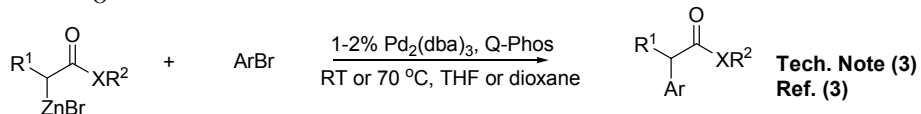
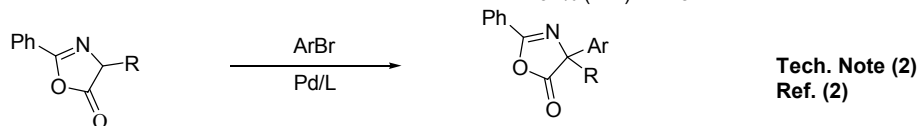
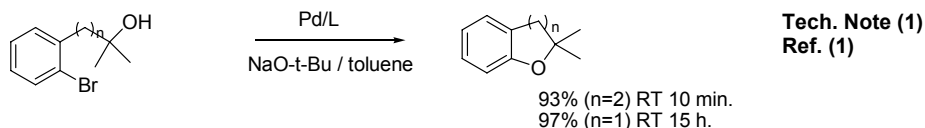
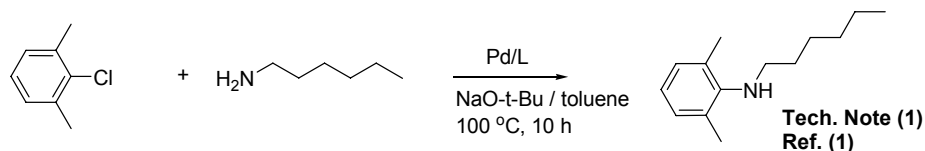
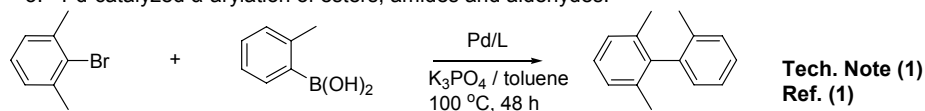
Catalog # 26-3575 1,2,3,4,5-Pentaphenyl-1'-(di-t-butylphosphino)ferrocene, 95% CTC-Q-PHOS



Note: Sold in collaboration with Johnson Matthey for research purposes only. Patent Application No WO 02/11883.

Technical Notes:

1. Ligand used in the preparation of active Pd catalysts for C-C, C-N and C-O bond formation.
2. Ligand used in Pd-catalyzed α -arylation of azlactones.
3. Pd-catalyzed α -arylation of esters, amides and aldehydes.



References:

1. *J. Org. Chem.*, **2002**, 67, 5553.
2. *Org. Lett.*, **2003**, 5, 1915.
3. *J. Am. Chem. Soc.*, **2003**, 125, 11176.
4. *Angew. Chem. Int. Ed.*, **2008**, 47, 2127.