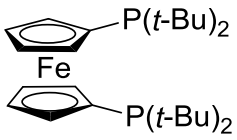
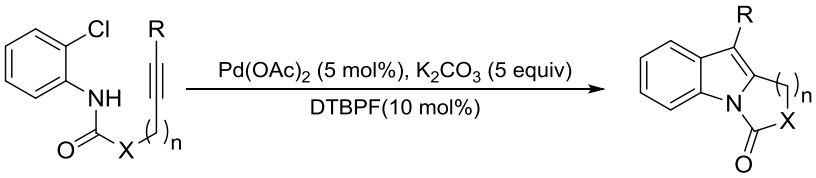
Strem Chemicals, Inc www.strem.com

Catalog # 26-0150 1,1'-Bis(di-t-butylphosphino)ferrocene, min. 98% DTBPF

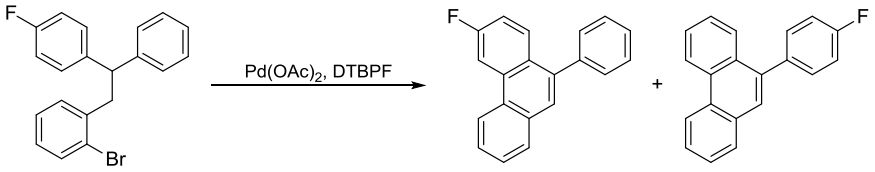


Technical Notes:

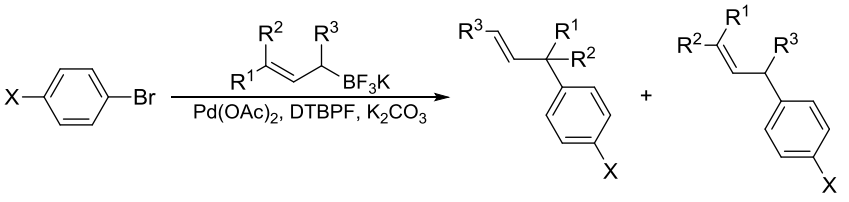
1. Ligand for synthesis of polycyclic indoles via Pd-catalyzed intramolecular heteroannulation.
2. Ligand for the palladium-catalyzed intramolecular arylation of aryl bromides under mild conditions.
3. Ligand for cross-coupling reactions between bromoarenes and potassium allyltrifluoroborates promoted by a catalyst prepared from Pd(OAc)2 and DTBPF selectively providing γ-coupling products.
4. Ligand for the copper-catalyzed system for the ß-boration of of a variety of α,ß-unsaturated amides.
5. Ligand for the synthesis of Paucifloral F and related indanone analogues via palladium-catalyzed α-arylation.
6. Ligand for the Pd-carbon monoxide complex catalyzed hydroxycarbonylation of aryl halides.
7. Ligand for the palladium-catalyzed *β*-C-glycosylation by decarboxylative allylation to normal pyran systems, and *cis*-2,6-disubstituted tetrahydropyrans.
8. Pd-catalyzed dearomative indole bisfunctionalization via a diastereoselective arylcyanation.
9. Ligand for the copper- DTBPF catalyzed C–H activation and carboxylation of terminal alkynes.



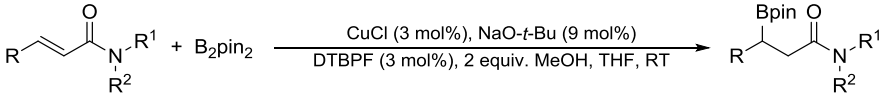
Tech. Note (1)
Ref. (1)



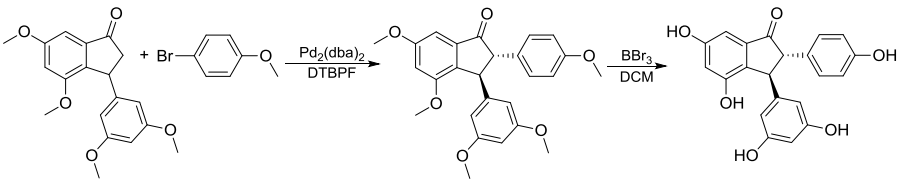
Tech. Note (2)
Ref. (2)



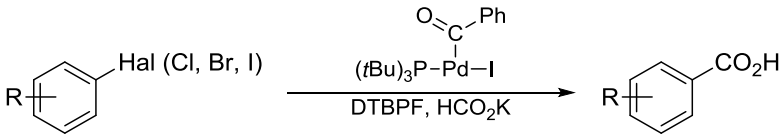
Tech. Note (3)
Ref. (3)



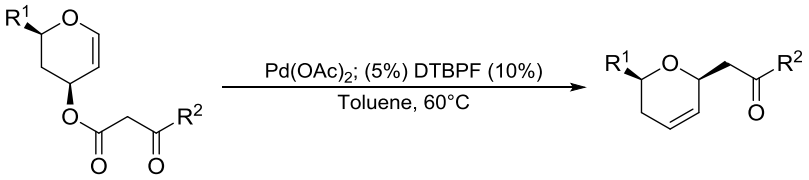
Tech. Note (4)
Ref. (4)



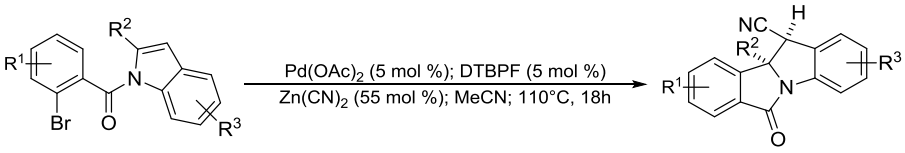
Tech. Note (5)
Ref. (5)



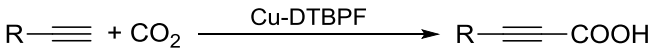
Tech. Note (6)
Ref. (6)



Tech. Note (7)
Ref. (7)



Tech. Note (8)
Ref. (8)



Tech. Note (9)
Ref. (9)

References:

1. *Org. Lett.*, **2006**, *8*, 3573.
2. *Tetrahedron*, **2008**, *64*, 6021.
3. *Organometallics*, **2009**, *28*, 152.
4. *Adv. Synth. Catal.,* **2009**, *351*, 855.
5. *J. Org. Chem.,* **2011**, *76*, 1902.
6. *J. Am. Chem.* Soc., **2013**, *135*, 2891.
7. *Chem. Eur.* J., **2014**, *20*, 405.
8. *Org. Lett.*, **2015**, *17*, 4838.
9. *Dalton Trans.*, **2015**, *44*, 20874.