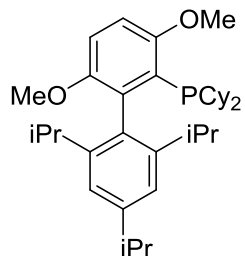


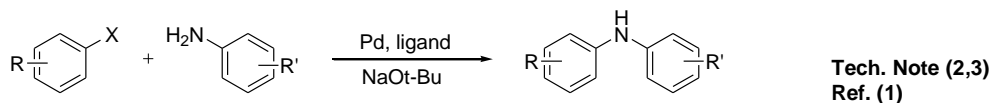
Catalog # 15-1152 2-(Dicyclohexylphosphino)-3,6-dimethoxy-2'-4'-6'-tri-*i*-propyl-1,1'-biphenyl, min. 98% BrettPhos



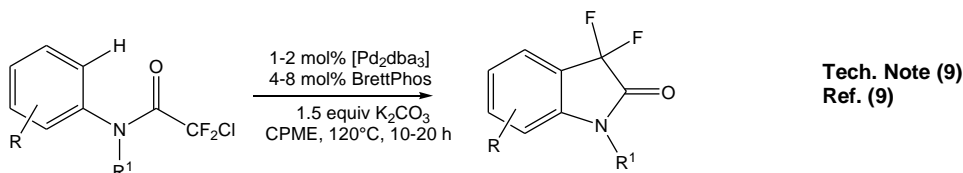
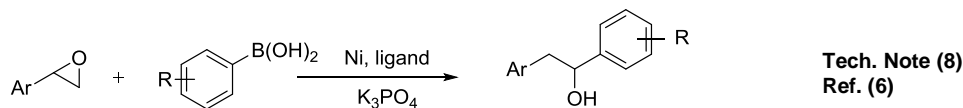
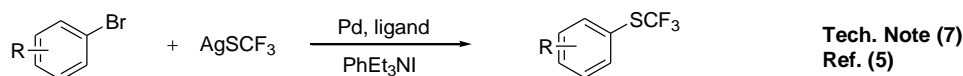
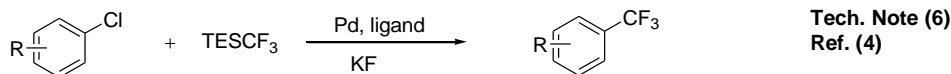
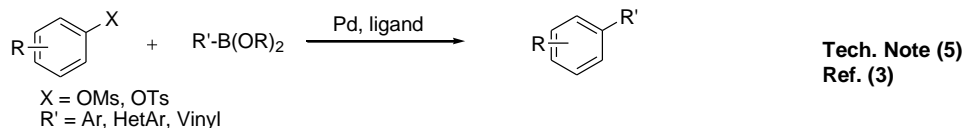
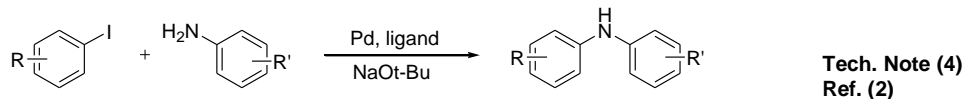
Note: Patents: US 6,395,916, US 6,307,087. Buchwald Biaryl Phosphine Ligand Master Kit component.

Technical Notes:

- Versatile Ligand for the Pd-catalyzed coupling of primary arylamines and alkylamines.
 - See also [46-0367](#), [46-0267](#).
 - See references 7,8.
- Ligand for palladium-catalyzed cross-coupling reactions using aryl mesylates with electron-deficient anilines.
- Ligand for palladium-catalyzed cross-coupling of primary arylamines at low catalyst loading.
- Ligand for palladium-catalyzed cross-coupling of aryl iodides and primary amines.
- Ligand for the Suzuki-Miyaura coupling of tosylates and mesylates.
- Ligand for the palladium-catalyzed trifluoromethylation of aryl chlorides.
- Ligand for the palladium-catalyzed formation of aryl-SCF₃ compounds from aryl bromides.
- Ligand for the nickel-catalyzed cross-coupling of styrenyl epoxides with boronic acids.
- Ligand for the palladium-catalyzed intramolecular CH difluoroalkylation.



X = Cl, OMs



References:

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2. *J. Am. Chem. Soc.*, **2009**, *131*, 5766.
3. *Org. Lett.*, **2009**, *11*, 3954.
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9. *Angew. Chem, Int. Edit.*, **2014**, *53*, 1.