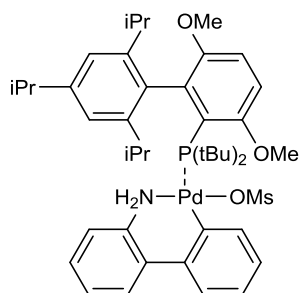


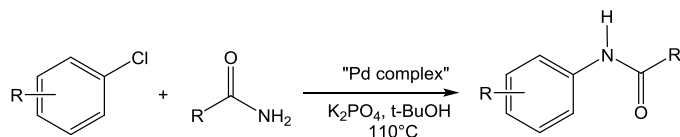
Catalog # 46-0325 Methanesulfonato(2-(di-*t*-butylphosphino)-3,6-dimethoxy-2',4',6'-tri-*i*-propyl-1,1'-biphenyl)(2'-amino-1,1'-biphenyl-2-yl)palladium(II), dichloromethane adduct, min. 98%[*t*-BuBrettPhos Palladacycle Gen. 3]



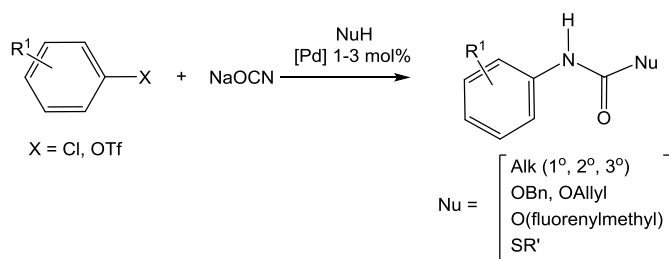
Note: Patents: PCT/US2013/030779, US Serial No. 13/799620.

#### Technical Notes:

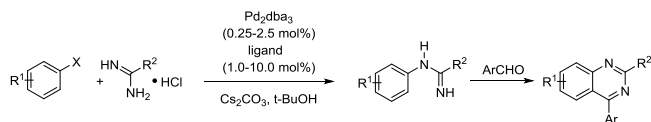
1. Palladium catalyst used for the arylation of primary amides.
2. Palladium catalyst used for the synthesis of *N*-aryl carbamates.
3. Palladium catalyst used for the *N*-monoarylation of amidines.
4. Palladium catalyst used for the cross-coupling of aryl chlorides and triflates with sodium cyanate – a practical synthesis of unsymmetrical ureas.
5. Palladium catalyst used in the synthesis of imidazo[4,5-*b*]pyridines and imidazo[4,5]pyrazines through amidation of 2-chloro-3-amino-heterocycles.
6. Palladium catalyst used in the *N*-arylation of 2-aminothiazoles
7. Palladium catalyst used in the synthesis of diarylethers under mild conditions.
8. Palladium catalyst used in the hydroxylation of aryl and heteroaryl halides.



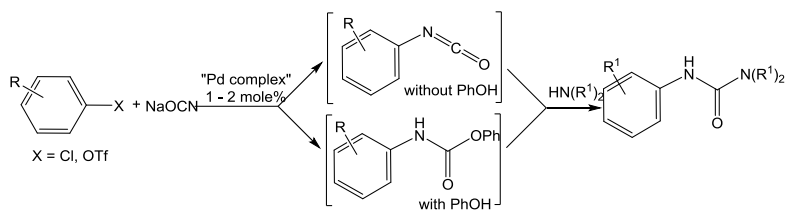
**Tech. Note (1)**  
**Ref. (1)**



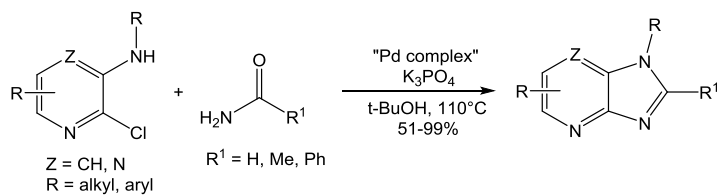
**Tech. Note (2)**  
**Ref. (2)**



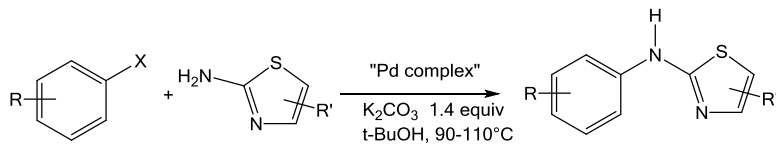
**Tech. Note (3)**  
**Ref. (3)**



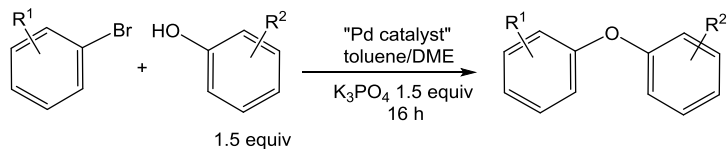
**Tech. Note (4)**  
**Ref. (4)**



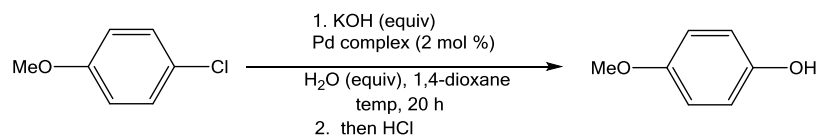
**Tech. Note (5)**  
**Ref. (5)**



**Tech. Note (6)**  
**Ref. (6)**



**Tech. Note (7)**  
**Ref. (7)**



**Tech. Note (8)**  
**Ref. (8)**

References:

1. *Org. Lett.*, **2013**, *15*, 2876.
2. *Org. Lett.*, **2013**, *15*, 1394.
3. *Org. Lett.*, **2012**, *14*, 3800.
4. *J. Am. Chem. Soc.*, **2012**, *134*, 11132.
5. *Org. Lett.*, **2012**, *14*, 1764.
6. *Org. Lett.*, **2012**, *14*, 1432.
7. *Org. Lett.*, **2012**, *14*, 170.
8. *J. Org. Chem.*, **2014**, *79*, 5351.