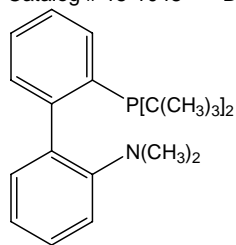


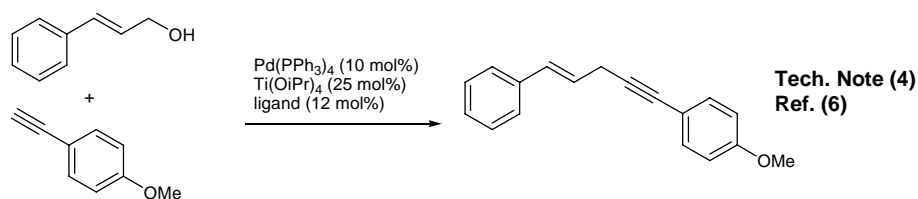
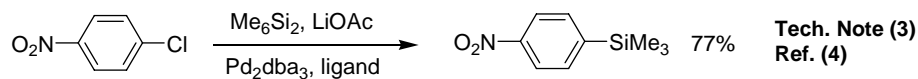
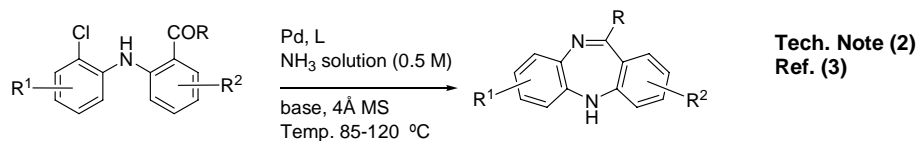
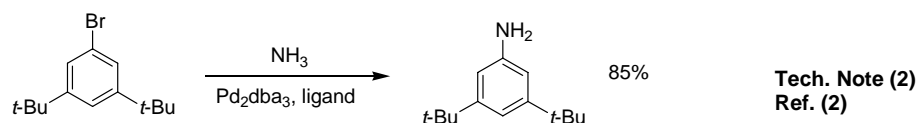
Catalog # 15-1048 Di-t-butylphosphino-2'-(N,N-dimethylamino)-1,1'-biphenyl, 98% t-BuDavePhos



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

## Technical Notes:

1. Useful ligand for Pd-catalyzed carbon-oxygen bond forming reactions.
2. Ligand used selective Pd-catalyzed arylation of ammonia. Application to the synthesis of dibenzodiazepines.
3. Ligand used for selective Pd-catalyzed silylation of aryl chlorides.
4. Ligand used for Pd(0)-catalyzed direct dehydrative coupling of terminal alkynes with allylic alcohols to access 1,4-enynes.



## References:

1. *J. Am. Chem. Soc.*, **2001**, 123, 12202.
2. *J. Am. Chem. Soc.*, **2007**, 129, 10354.
3. *J. Am. Chem. Soc.*, **2011**, 133, 14228.
4. *Org. Lett.*, **2007**, 9, 3785.
5. *Chem. Sci.*, **2011**, 2, 27.
6. *J. Am. Chem. Soc.*, **2013**, 135, 12536.