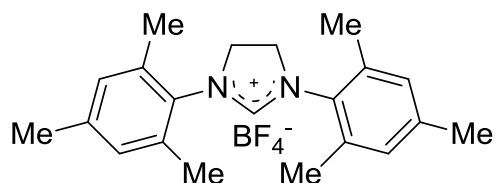
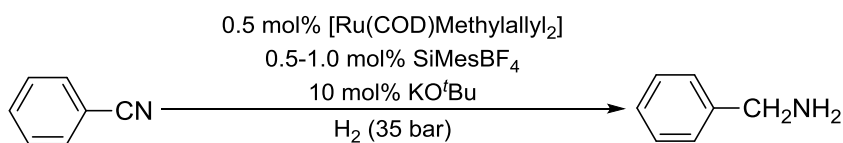


Catalog # 07-0302 1,3-Bis(2,4,6-trimethylphenyl)-4,5-dihydroimidazolium tetrafluoroborate, min. 95% SiMes-HBF₄

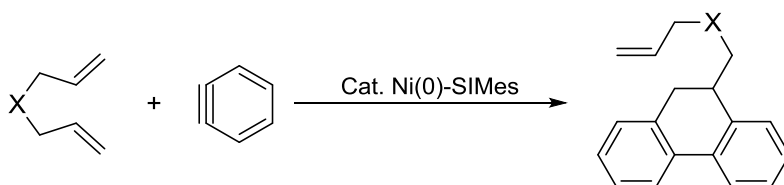


Technical Notes:

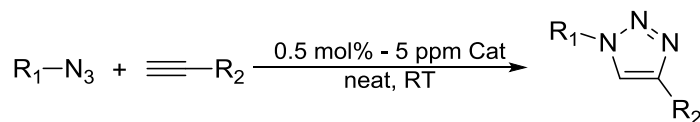
1. Ligand for ruthenium-catalyzed selective reduction of nitriles to primary amines.
2. Ligand for nickelcatalyzed [2+2+2] cycloaddition of arynes and an unactivated alkene.
3. Ligand for copper-catalyzed [3+2] cycloaddition of azides and alkynes under mild conditions.
4. Ligand for copper-catalyzed direct aryl quaternization of *N*-substituted imidazoles to form imidazolium salts.
5. Ligand for copper-catalyzed silylation of allenes.



Tech. Note (1)
Ref. (1)



Tech. Note (2)
Ref. (2)

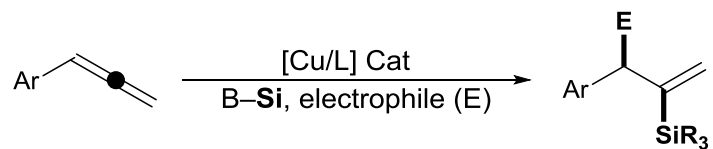


Tech. Note (3)
Ref. (3)



Tech. Note (4)
Ref. (4)

R = alkyl, aryl, heteroaryl



Tech. Note (5)
Ref. (5)

References:

1. *Tetrahedron Lett.*, **2009**, *50*, 3654.
2. *Chem. Commun.*, **2009**, 4284.
3. *Organometallics*, **2012**, *31*, 7969.
4. *J. Org. Chem.*, **2013**, *78*, 5723.
5. *Chem. Eur. J.*, **2014**, *20*, 13143.