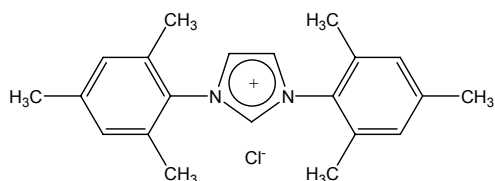
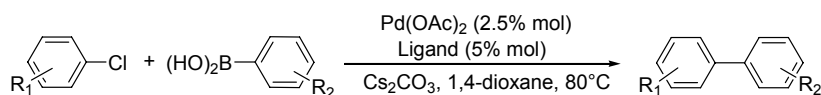
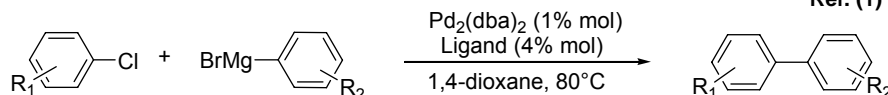
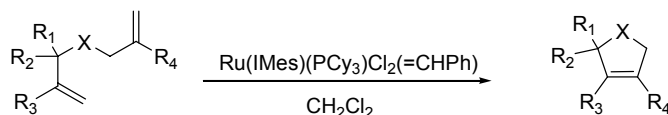
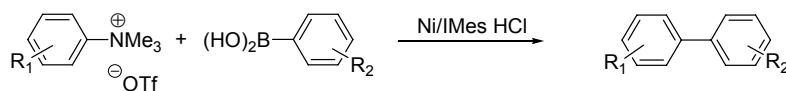
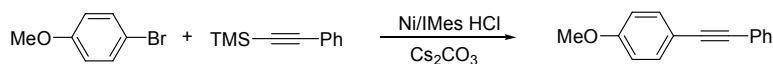
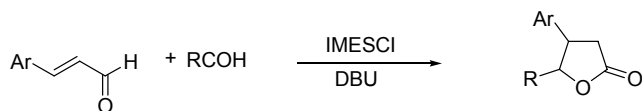
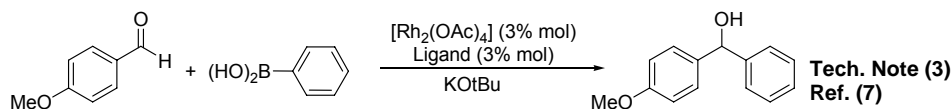


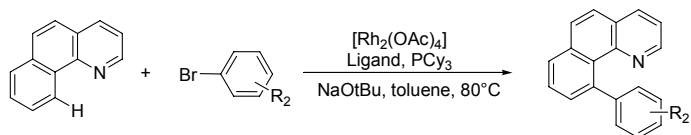
Catalog # 07-0299 1,3-Bis(2,4,6-trimethylphenyl)imidazolium chloride, min. 97%



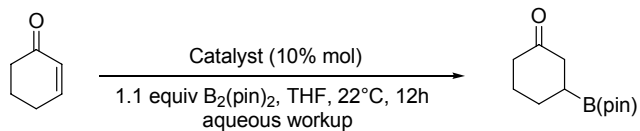
Technical Notes:

- Precursor to the nucleophilic carbene that serves as a bulky, electron-rich "phosphine mimic" for metal-catalyzed reactions.
 - Palladium-catalyzed Suzuki cross-coupling of aryl chlorides.
 - Palladium-catalyzed Kumada cross-coupling of aryl chlorides.
 - Ruthenium-carbene catalysts for ring-closing metathesis.
 - Suzuki coupling of aryltrimethylammonium salts.
 - Sonogashira coupling of aryl bromides.
- Precursor to a nucleophilic carbene that serves as catalyst.
- Ligand for arylation of aldehydes.
- Ligand for carbene catalyzed intermolecular arylation of C-H bonds.
- Catalyst for boron conjugate additions to cyclic and acyclic α,β -unsaturated carbonyls.
- Ligand for dehydrogenative cyclocondensation of aldehydes, alkynes, and dialkylsilanes.
- Precursor for carbene for conjugate silylation of alpha, beta-unsaturated carbonyls.

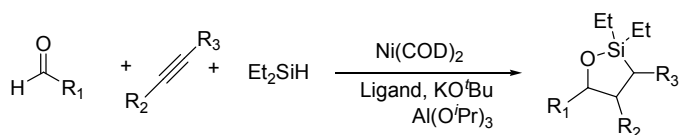
Tech. Note (1-a)
Ref. (1)Tech. Note (1-b)
Ref. (2)Tech. Note (1-c)
Ref. (3)Tech. Note (1-d)
Ref. (4)Tech. Note (1-e)
Ref. (5)Tech. Note (2)
Ref. (6)Tech. Note (3)
Ref. (7)



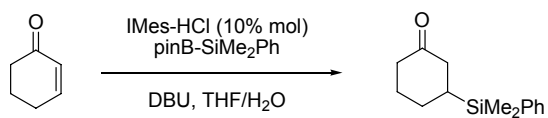
Tech. Note (4)
Ref. (8)



Tech. Note (5)
Ref. (9)



Tech. Note (6)
Ref. (10)



Tech. Note (7)
Ref. (11)

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