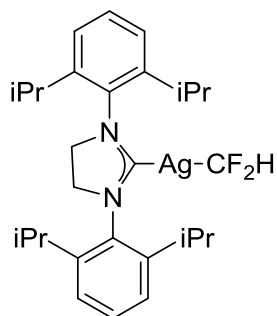
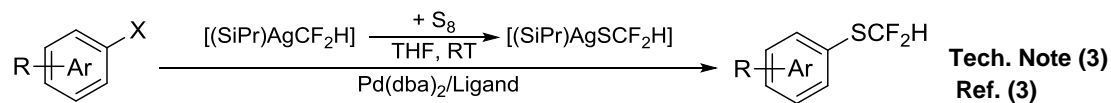
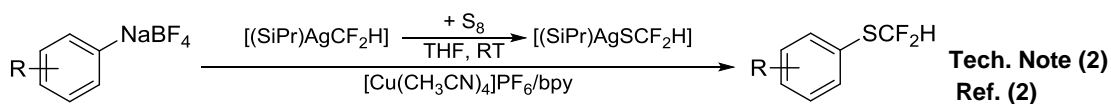
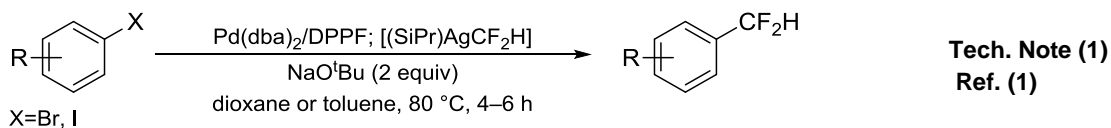


Catalog # 47-2575 [1,3-Bis[2,6-bis(i-propyl)phenyl]-2-imidazolidinylidene]difluoromethylsilver(I)



**Technical Notes**

1. Catalyst for Pd(dba)<sub>2</sub>/DPPF assisted direct difluoromethylation of aryl bromides and iodides.
2. Pre-catalyst for copper assisted difluoromethylthiolation of aryl and heteroaryl diazonium salts.
3. Pre-catalyst for palladium assisted difluoromethylthiolation of pyridyl, quinolinyl, benzothiazolyl, thiophenyl, carbazolyl and pyrazolyl heteroaryl bromides, iodides, triflates and aryl iodides.



X=Br, I, OTf

Ar = pyridyl, quinolinyl, benzothiazolyl, thiophenyl, carbazolyl, pyrazolyl

**References:**

1. *Nat. Commun.* **2014**, 5, 5405.
2. *Angew. Chem. Int. Ed.* **2015**, 54, 7648.
3. *Chem. Sci.*, **2016**, 7, 3757.