Strem Chemicals, Inc.

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Catalog # 46-0272 Chloro(di-2-norbornylphosphino)(2-dimethylaminomethylferrocen-1-yl)palladium(II), min. 97%

Note: Sold in collaboration with Solvias for research purposes only. EP 1132361 (B1), 2001.

Technical Note:

- 1. Efficient catalyst for the amination of aryl chlorides
- 2. Catalyst used for the efficient synthesis of substituted biaryl anilines and biaryl phenols.
- 3. Catalyst used for the direct vinylation, and difluorovinylation, of arylboronic acids.
- 4. Catalyst used in the Heck coupling of vinyl phosphates.

R₂ Pd catalyst
$$2M K_3 PO_4$$
 or KF Dioxane or THE R_1 R_3 R_4 R_5 R_6 . (2)

 R_1 = NH₂ or OH R_2 = COOMe, CONH₂, CN or Alkyl group R_3 = Aryl, Heteroaryl

- 1. Synlett., 2004, 14, 2549.
- 2. Tetrahedron Lett., 2005, 46, 1779.
- 3. J. Org. Chem., 2008, 73, 3404.
- 4. J. Am. Chem. Soc., 2007, 129, 6931.