

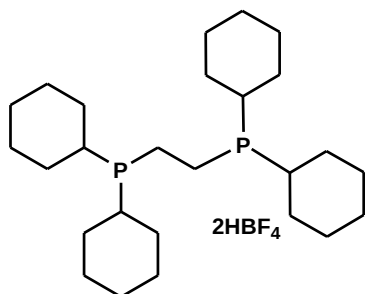
NCI's Bisphosphine Series

DATE: 03/01/2020

Bis(dialkylphosphino)alkanes

Technical Notes

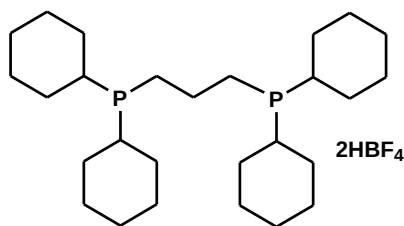
NCI offers the correspondent tetrafluoroborate salts which are air-stable, non-pyrophoric precursors used in a variety of catalytic processes.



Chemical name : 1,2-Bis(dicyclohexylphosphino)ethane bis(tetrafluoroborate)

Product Name : DCyPE-2HBF₄

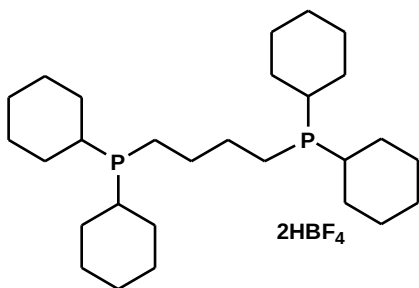
Cas. No. : 1779389-90-0



Chemical name : 1,3-Bis(dicyclohexylphosphino)propane bis(tetrafluoroborate)

Product Name : DCyPP-2HBF₄

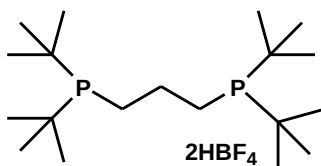
Cas. No. : 1002345-50-7



Chemical name : 1,4-Bis(dicyclohexylphosphino)butane bis(tetrafluoroborate)

Product Name : DCyPB-2HBF₄

Cas. No. : 1389309-54-9



Chemical name : 1,3-Bis(di-tert-butylphosphino)propane bis(tetrafluoroborate)

Product Name : DtBPP-2HBF₄

Cas. No. :

Application : Phosphine ligand for C-O coupling

Packing : Please ask representatives for details / glass bottle

Appearance : Crystalline solid

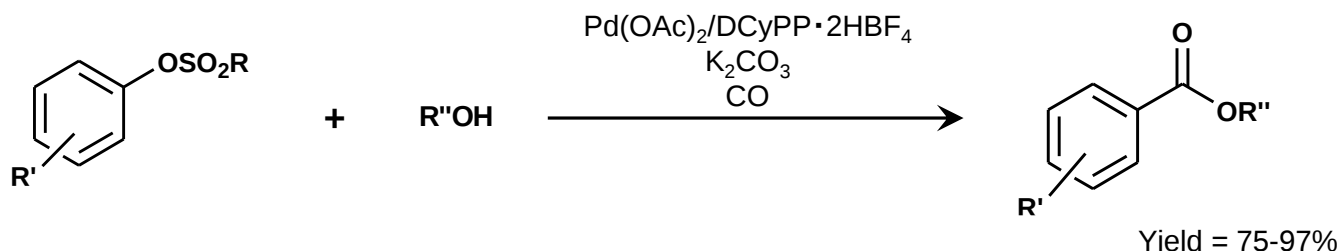
Storage & Handling : These derivatives are susceptible to air oxidation.

They should be stored under an inert gas such as anhydrous nitrogen or argon.

Please refer to Safety Data Sheet for detail.

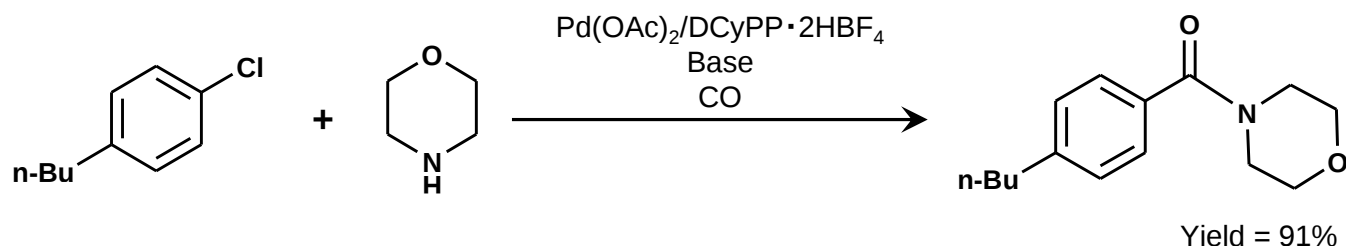
Application of Bis(dialkylphosphino)alkanes

Carbonylation of Aryl Tosylates and Mesylates



S.L.Buchwald *et al.* (MIT), *J. Am. Chem. Soc.*, 130 (9), 2754-2755 (2008)

Aminocarbonylation of Aryl Chlorides



S.L.Buchwald *et al.* (MIT), *Angew. Chem. Int. Ed.*, 2007, 46, 8460-8463

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