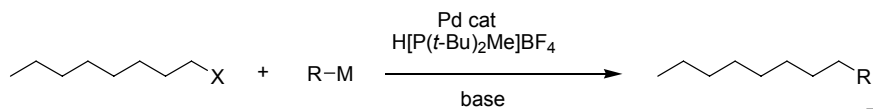


Catalog # 15-1023 Di-*t*-butylmethylphosphonium tetrafluoroborate, 99%

Note: Phosphine Ligand Kit component.

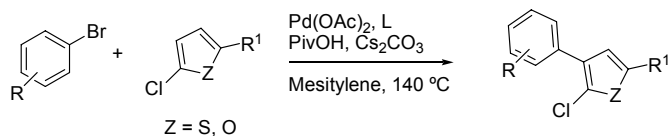
Technical Note:

1. Air and moisture-stable phosphonium salt used in palladium-catalyzed coupling reactions. The phosphonium salt is deprotonated in situ to yield the free phosphine ligand. Use of the phosphonium salt furnished nearly identical yields of product as reactions carried out using the phosphine.
2. Ligand for the Pd-catalyzed heteroaromatic direct arylation.



Tech. Note (1)
Ref. (1-5)

X = I, Br, OTs R = aryl, M= B(OH)₂, B_{pin}
R = vinyl, M= SnBu₃, Si(OMe)₃



Tech. Note (2)
Ref. (6)

References:

1. *J. Am. Chem. Soc.*, **2003**, *125*, 5616.
2. *J. Am. Chem. Soc.*, **2003**, *125*, 3718.
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5. *Angew. Chem. Int. Ed.*, **2011**, *50*, 8660.
6. *J. Org. Chem.*, **2010**, *75*, 1047.