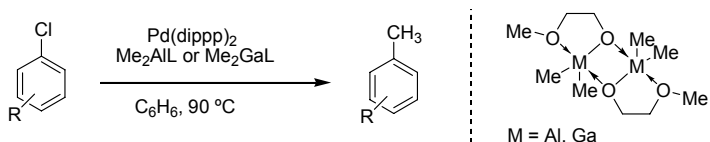


Catalog # 15-0680 1,3-Bis(di-*i*-propylphosphino)propane, min. 98% (dipp)

Technical Notes:

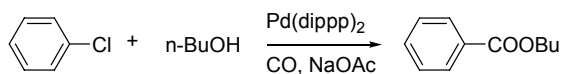
1. Catalyst for the cross-methylation of aryl chlorides using stabilized dimethylaluminum or dimethylgallium reagents.
2. Catalyst used in base-free olefin arylation.
3. Catalyst for the efficient carbonylation of aryl chlorides.



Tech. Note (1)
Ref. (1)



Tech. Note (2)
Ref. (2)



Tech. Note (3)
Ref. (3,4)

References:

1. *Synthesis*, **2000**, 4, 571.
2. *Organometallics*, **1993**, 12, 4734.
3. *J. Am. Chem. Soc.*, **1989**, 111, 8742.
4. *J. Chem. Soc. Chem. Comm.*, **1989**, 1816.