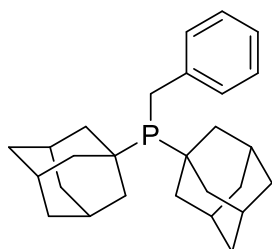


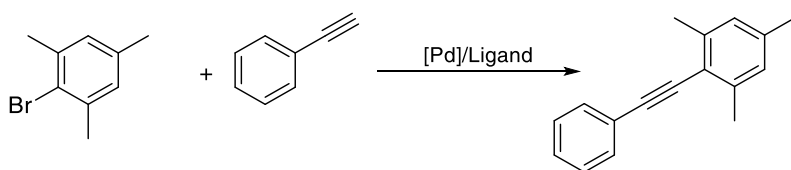
Catalog # 15-0038 Benzyldi-1-adamantylphosphine, min. 85% [cataCXium® ABn]



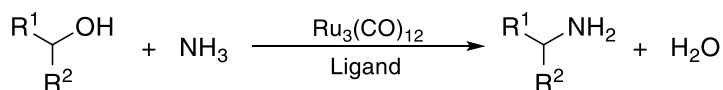
Note : Sold in collaboration with Solvias for research purposes only. Patent WO 0210178. Solvias cataCXium® Ligand Kit component.

Technical Notes:

1. Useful ligand for Sonogashira coupling reaction.
2. Ligand for ruthenium-catalyzed amination of secondary alcohols with ammonia for general synthesis of primary amines.
3. Ligand for palladium-catalyzed, Suzuki-Miyaura coupling of 3,5- and 4,6-dibromo-2-tosyloxy pyridines for synthesis of trisubstituted pyridines.

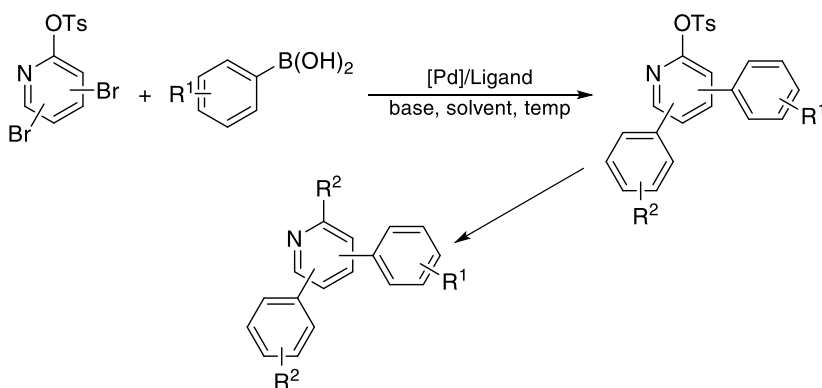


**Tech. Note (1)**  
**Ref. (1)**



**Tech. Note (2)**  
**Ref. (2)**

R<sup>1</sup>=Alkyl, H; R<sup>2</sup>=Alkyl, phenyl



**Tech. Note (3)**  
**Ref. (3)**

References:

1. *Chem. Commun.*, **2007**, 9, 972.
2. *Angew. Chem. Int. Ed.*, **2010**, 49, 8126.
3. *Adv. Synth. Catal.*, **2017**, 359, 107.