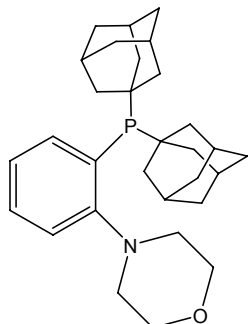
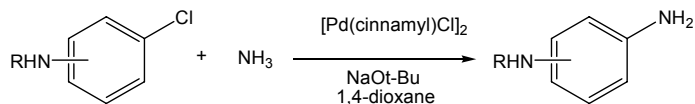


Catalog # 15-1092 N-[2-(di-1-adamantylphosphino)phenyl]morpholine, 98% Mor-DalPhos

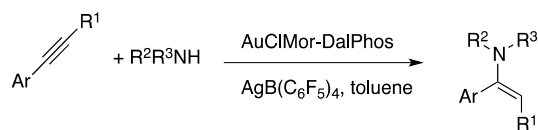


**Technical Notes:**

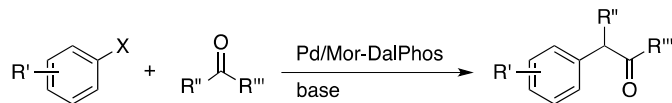
1. P-N-ligand for use in the Pd-catalyzed cross-coupling of ammonia and hydrazine. Ref. (2) with a diverse range of sterically hindered, unbiased aryl chlorides. Low catalyst loading and mild conditions. Ref (5) with diamines in a chemoselective arylation process. Ref (6) with solvent-free or aqueous conditions.
2. P-N-ligand for the gold-catalyzed stereoselective hydroamination of internal alkynes with dialkylamines to afford E-amines.
3. P-N-ligand for use in the Pd-catalyzed for mono- $\alpha$ -arylation of ketones employing aryl chlorides, bromides, iodides, mesylates (Ref. 7) and tosylates.



**Tech. Note (1)**  
**Ref. (1, 2, 5, 6)**



**Tech. Note (2)**  
**Ref. (3)**



**Tech. Note (3)**  
**Ref. (4, 7)**

**References:**

1. *Angew. Chem. Int. Ed.*, **2010**, 49, 4071.
2. *Angew. Chem. Int. Ed.*, **2010**, 49, 8686.
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