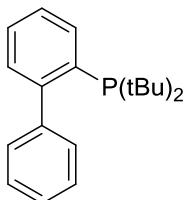


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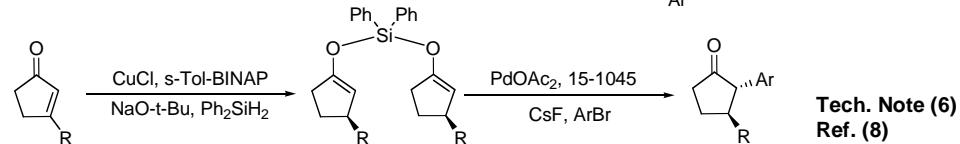
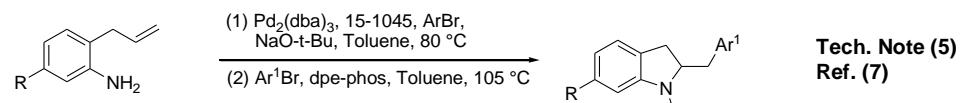
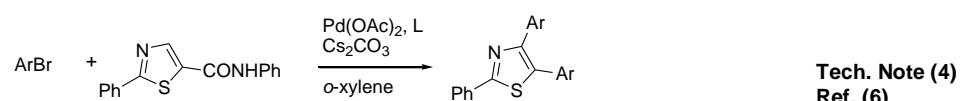
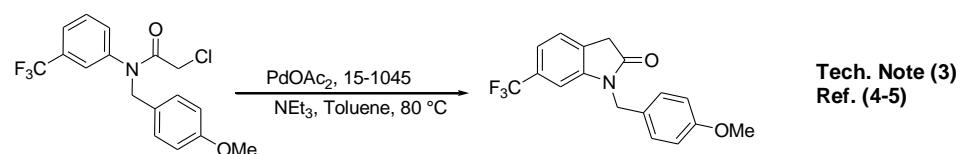
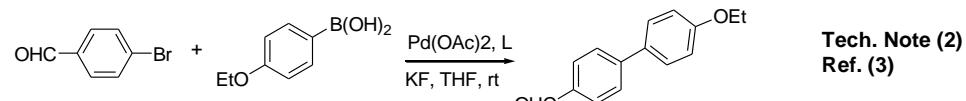
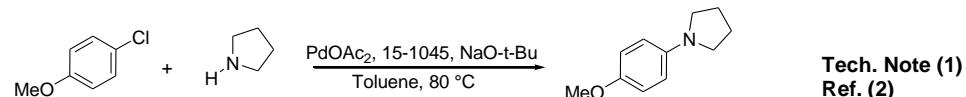
Catalog # 15-1045 2-(Di-t-butylphosphino)-1,1'-biphenyl, 99% JohnPhos

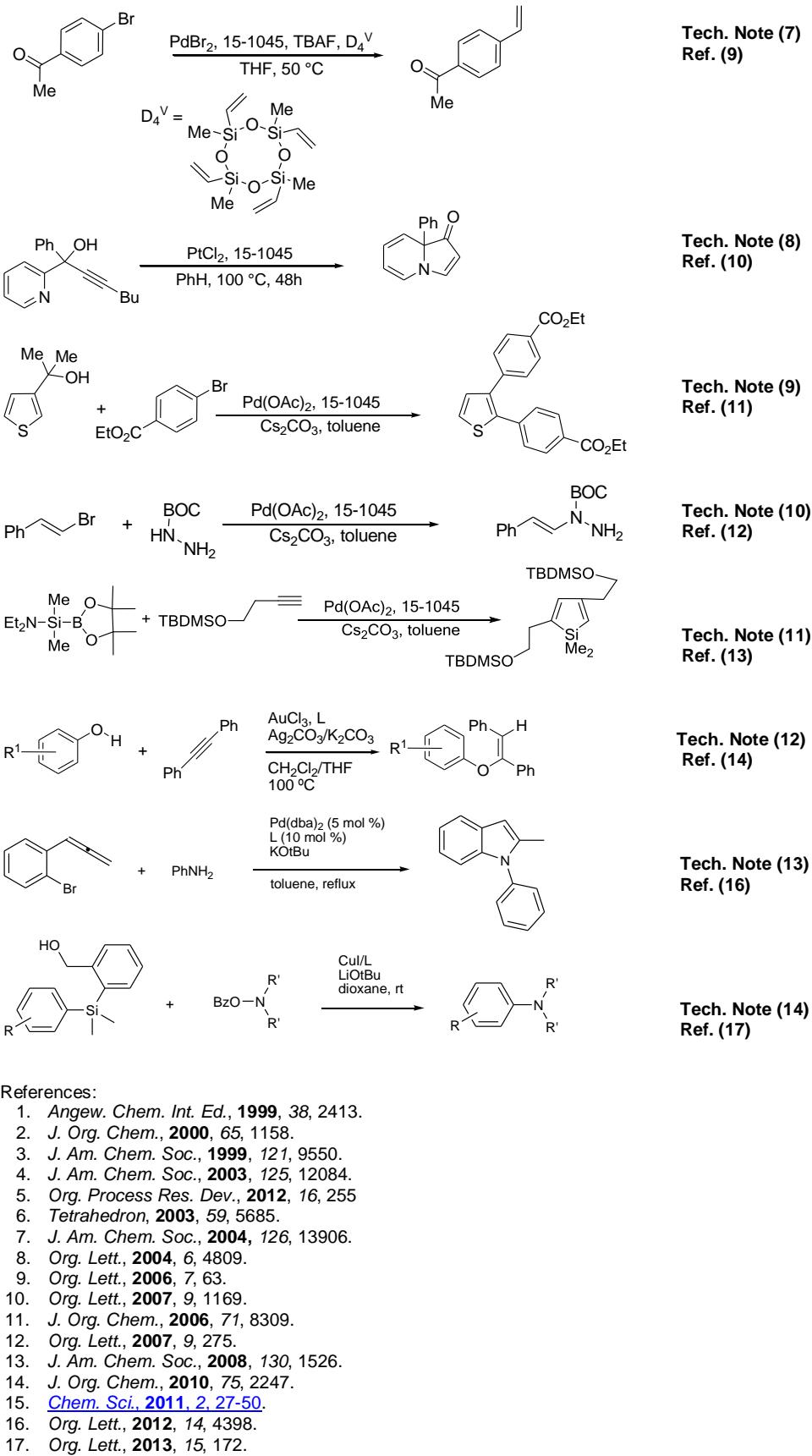


Note: Phosphine Ligand Kit component. Buchwald Biaryl Phosphine Ligand Kit component. Patents US 6,395,916, US 6,307,087.

Technical Notes:

1. Ligand used in the palladium-catalyzed synthesis of aromatic amines from aryl chlorides, bromides and triflates.
2. Ligand employed in a very active and general catalyst for Suzuki coupling reactions using aryl chlorides, bromides and triflates.
3. Ligand used in palladium-catalyzed synthesis of oxindoles from α -chloroacetanilides.
4. Effective ligand used in palladium-catalyzed arylation of thiazoles.
5. Used in the formation of 2-benzylindolines via sequential palladium-catalyzed N-arylation/cyclization/C-arylation.
6. Selective in the palladium-catalyzed arylation of silyl enol ethers formed from copper-catalyzed reduction of enones.
7. Ligand used in the palladium-catalyzed vinylation of aryl bromides.
8. Ligand used in the platinum-catalyzed synthesis of indolizinones.
9. Ligand used in the palladium-catalyzed diarylation of thiophenes.
10. Ligand used in the amination of vinyl halides by carbazates.
11. Ligand used in the regioselective synthesis of 2,4-disubstituted syloles.
12. Ligand used in the gold-catalyzed hydrophenoxylation of phenols with diphenylacetylene.
13. Ligand used in the palladium-catalyzed tandem allenyl and aryl C-N bond formation.
14. Ligand used in the copper-catalyzed electrophilic amination of arylsilanes with hydroxylamines.





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