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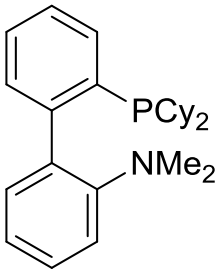
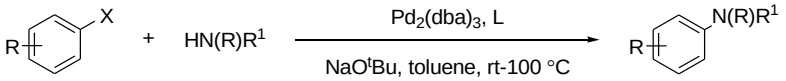
Catalog # 15-1145 2-Dicyclohexylphosphino-2'-(N,N-dimethylamino)-1,1'-biphenyl, 98% DavePhos



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

Technical Notes:

1. Ligand used in the Pd-catalyzed Suzuki coupling and animation of unactivated aryl chlorides. The reactions generally occur at room temperature and give high yields of product.
2. Ligand used in Pd-catalyzed C-N bond formation. A general synthesis of N6-aryl-2'-deoxyadenosine analogues.
3. Ligand used in Pd-catalyzed N-arylation of indoles.
4. Ligand used in Pd-catalyzed synthesis of aryl-tert-butyl ethers.
5. Effective ligand in the Pd-catalyzed arylation of ester enolates.
6. Ligand employed in arylation of ketone enolates using ortho-halo nitrobenezenes.
7. Ligand employed in the amination of aryl nonaflates using Pd catalysts.
8. Ligand used for cascade alkenyl amination/Heck reaction for the synthesis of indoles.
9. Ligand used in Pd-catalyzed Kumada-Corriu cross coupling at low temperatures.
10. Ligand used in Rh-catalyzed intramolecular hydroamination of unactivated terminal and internal alkenes with primary and secondary amines.
11. Ligand used in Au-catalyzed cycloisomerization of allenes.



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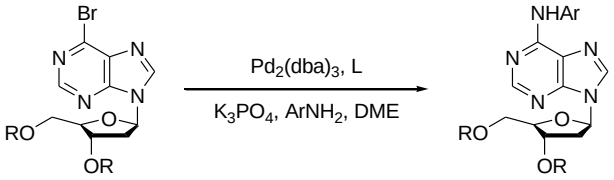
Ref. (1)



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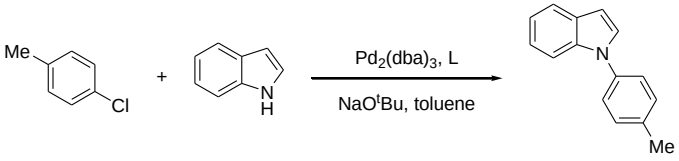

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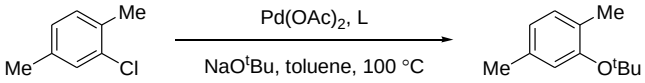

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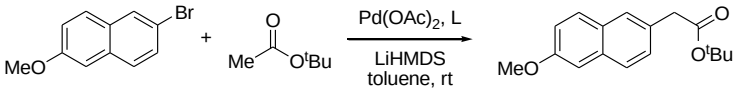

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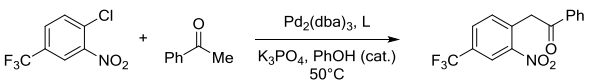

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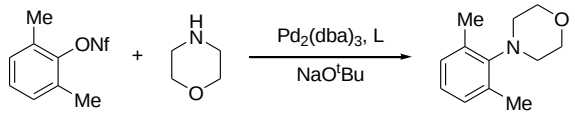

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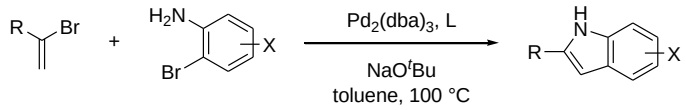

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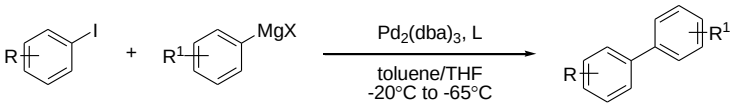

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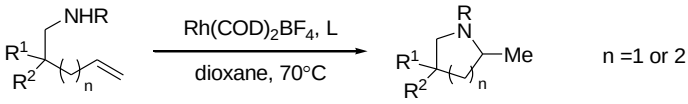

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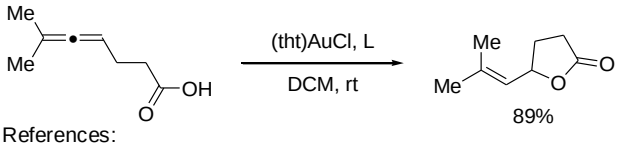

Tech. Note (11)
Ref. (11)

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