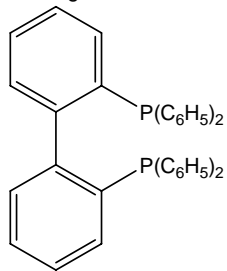
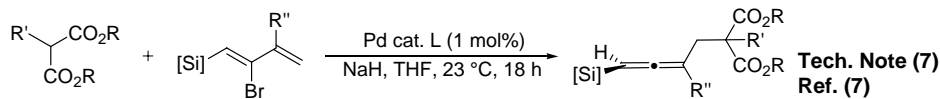
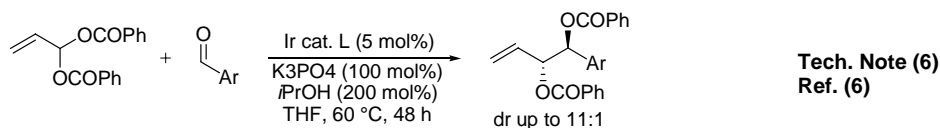
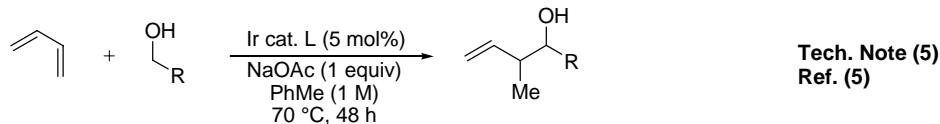
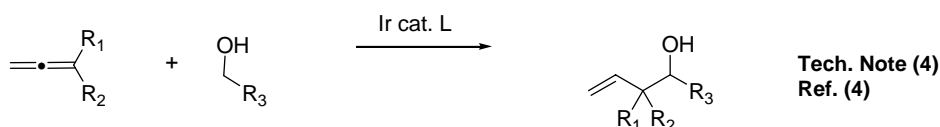
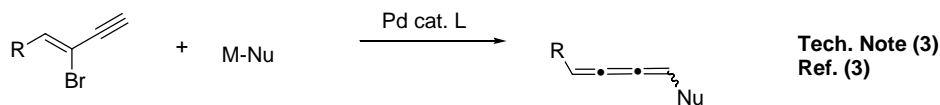
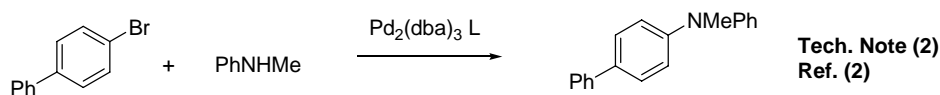
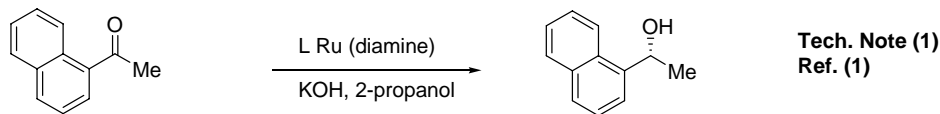


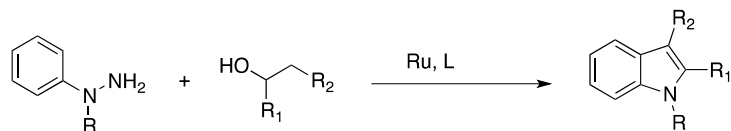
Catalog # 15-0145 2,2'-Bis(diphenylphosphino)-1,1'-biphenyl, 98% BIPHEP [84783-64-2]



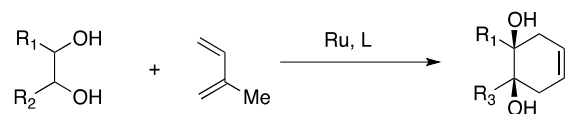
Technical Notes:

- Supporting ligand in a chiral diamine-ruthenium system for the enantioselective hydrogenation of ketones.
- Useful ligand for palladium-catalyzed amination and Kumada cross-coupling reactions
- Useful ligand for palladium-catalyzed synthesis of butatrienes.
- Useful ligand for iridium-catalyzed C-C cross-coupling of allenes with primary alcohols via transfer hydrogenation.
- Useful ligand for iridium-catalyzed C-C cross-coupling of dienes with primary alcohols via transfer hydrogenation.
- Useful ligand for iridium-catalyzed C-C cross-coupling of allylic *gem*-dicarboxylates with aldehydes via transfer hydrogenation.
- Useful ligand for the palladium-catalyzed synthesis of chiral allenylsilanes.
- Ruthenium-catalyzed synthesis of indoles.
- Ruthenium-catalyzed oxidative cyclization.
- Rhodium-catalyzed boron arylation.

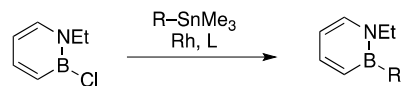




Tech. Note (8)
Ref. (8)



Tech. Note (9)
Ref. (9)



Tech. Note (10)
Ref. (10)

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