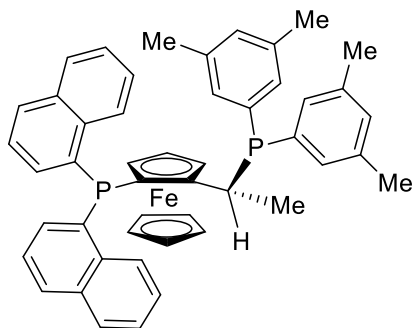
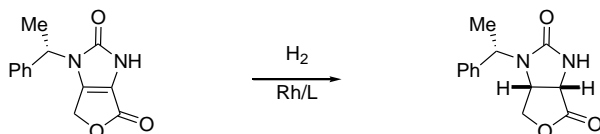


Catalog # 26-1175 (R)-(-)-1-[(S)-2-(Di-1-naphthylphosphino)ferrocenyl]ethyl-di-3,5-xilylphosphine, min. 97%

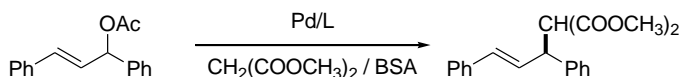


Technical Notes:

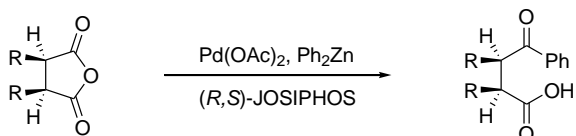
- Ligands of this type are currently used industrially in the stereoselective synthesis of commercial products^{1,2}. These ferrocene based phosphine ligands have wide application in the stereoselective hydrogenation of substituted acetamidoacrylates, enol acetates, β -ketoesters and simple alkenes.⁴⁻⁸
- Useful as a ligand in Pd-catalyzed C-N bond-forming reactions.
- Pd-catalyzed enantioselective alkylative desymmetrization of *meso*-succinic anhydrides.
- Asymmetric hydrogenation of ketones and phosphinylketimines.
- Michael addition of Grignard reagents to α,α -unsaturated esters and thioesters.
- Boration of α,α -unsaturated esters and nitriles.
- Reaction of aryl halides with ammonia.
- Cu-catalyzed reduction of activated C=C bonds with PMHS.
- Regio- and enantioselective hydroboration of vinyl arenes.
- Rh-catalyzed asymmetric ring-opening reactions of oxabicyclic alkenes.
- 1,2-Migrations in Pd-catalyzed Negishi couplings with JosiPhos ligands.
- Catalyst for the homodimerization of ketoketenes.
- Ligand for the Rh catalyzed synthesis of lactones.
- Ligand for the Cu-catalyzed synthesis of syn and anti α -amino alcohols.
- Ligand for Rh-catalyzed Asymmetric Hydrosilylation of Dehydroalanine



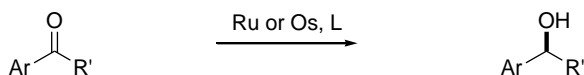
**Tech. Note (1)
Ref. (2)**



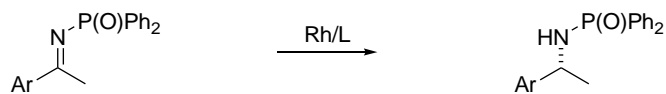
**Tech. Note (1)
Ref. (4)**



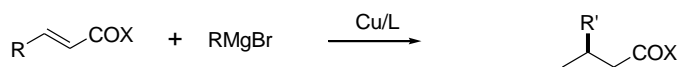
**Tech. Note (3)
Ref. (11)**



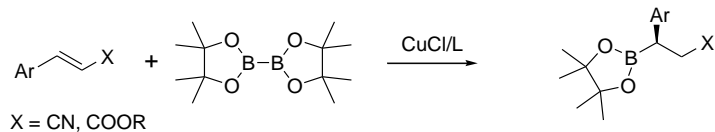
**Tech. Note (4)
Ref. (12)**



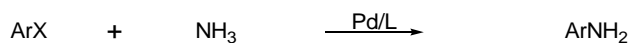
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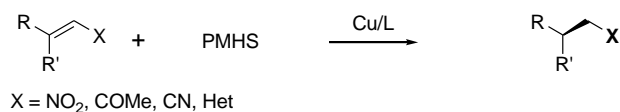
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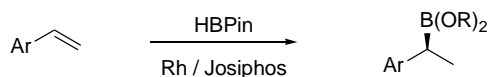
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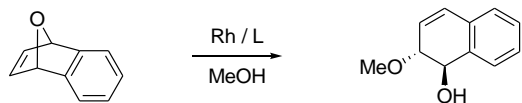
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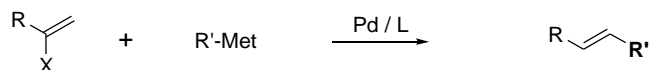
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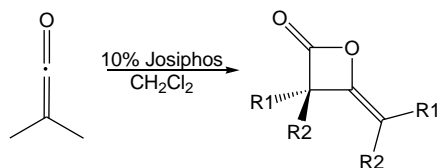
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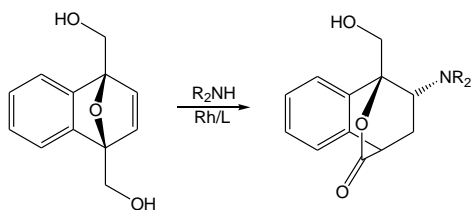
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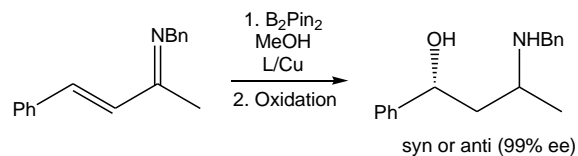
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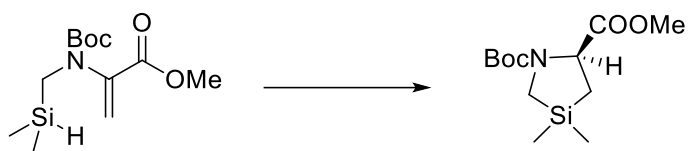
Tech. Note (12)
Ref. (21)



Tech. Note (13)
Ref. (22)



Tech. Note (14)
Ref. (24)



Tech. Note (14)
Ref. (24)

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