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Catalog #26-1000 (R)-(-)-1-[(S)-2-(Dicyclohexylphosphino)ferrocenyl]ethyldicyclohexylphosphine, min. 97%

Technical Notes:

- 1. Ligand for Pd-catalyzed C-N cross-coupling.
- 2. Ligand for Rh-catalyzed C-N cross-coupling.
- 3. Ligand for Pd-catalyzed asymmetric synthesis of (S)-QUINAP via dynamic kinetic resolution.
- 4. Ligand for Ni-catalyzed monoarylation of ammonia.
- 5. Ligand for Rh-catalyzed Asymmetric Hydroamination to Allenes.
- 6. Ligand for Rh-catalyzed Asymmetric Addition of Purines to Allenes.
- 7. Ligand for Rh-catalyzed Asymmetric Additions of N-hydroxyphthalimide to Allenes.

ArX +
$$3 \text{ NH}_3$$
 $10 \text{ mol}\% \text{ Ni}(\text{cod})_2/\text{L}$ $1,4\text{-dioxane/MePh}$ $1,4\text{-dioxane/MePh}$ 10 NaOtBu , 110 °C , 16 h 10 NaOtBu , 110 °C , 16 h

Reference:

- 1. J. Am. Chem. Soc., 1998, 120, 7369.
- 2. Angew. Chem. Int. Ed., 2012, 51, 10876.
- 3. J. Am. Chem. Soc., 2013, 135, 16829.

- Angew. Chem. Int. Ed., 2014, 53, 2162.
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- 8. Org. Lett. 2018, 20, 300-303.