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Catalog # 26-1265 1-{[(S)-Ferrocenyl-2-(R)-ethyl-1-dimethylamino)phenyl]-(S)-phosphino}-1'-dicyclohexyl phosphinoferrocene, min. 97% Chenphos

Technical Notes:

- Ligand for the Rh- catalyzed highly enantioselective hydrogenation of α-oxy functionalized α,β-unsaturated acids in CF₃CH₂OH.
- 2. Ligand for the highly enantioselective Rh-catalyzed hydrogenation of 2-substituted-2-alkenols.
- 3. Ligand for the Rh-catalyzed asymmetric hydrogenation of a-substituted cinnamic acids.

Ar
$$CO_2H$$
 [Rh] Chenphos Ar CO_2H Tech. Note (1) Ref. (1)

$$R^2 \longrightarrow OH$$
 [Rh] Chenphos R² $\longrightarrow OH$ Ref. (2) Ref. (2)

$$R^1 \longrightarrow OH$$
 [Rh] Chenphos R² $\longrightarrow OH$ Ref. (2)

$$R^1 \longrightarrow OH$$
 [Rh] Chenphos R² $\longrightarrow OH$ Ref. (3)

$$R^2 \longrightarrow OH$$
 Ref. (3)

References:

- 1. Angew. Chem. Int. Ed., 2013, 52, 8652.
- 2. Chem. Commun., 2014, 50, 978.
- 3. Chem. Commun., 2016, 52, 2273.