## Strem Chemicals, Inc.

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Catalog # 26-1310 (R)-(-)-1-[(R)-2-(2'-Diphenylphosphinophenyl)ferrocenyl]ethyldicyclohexylphosphine, min.97%

## Technical Notes:

- 1. Enantioselective synthesis of chiral fluoropiperidine via asymmetric hydrogenation of a vinyl fluoride.
- 2. Palladium/ClickFerrophos Catalyzed asymmetric domino allylstannylation-Heck reaction of o-formylaryl triflate
- 3. Catalytic asymmetric alkylation of acylsilanes.
- 4. Ligand for the Rh-Catalyzed Enantioselective Silylation of Arene C-H Bonds.
- 5. Ligand for the Direct Catalytic Asymmetric Mannich-Type Reaction of α-OBn 7-Azaindoline Amides.

Bn N F [(COD)RhCl]
$$_2$$
/Fe complex Bn N F OH Methanol, H $_2$  N HCl Sef. (1) Ref. (1) +99% conv.,  $>99:1$  er,  $>99:1$  prod:des-F

RHOTH 
$$OTH$$
  $OTH$   $OTH$ 

$$R^{1}$$
  $R^{2}$   $R^{2$ 

## References:

- 1. Tetrahedron, 2009, 65, 8987.
- 2. J. Org. Chem., 2014, 79, 7905.
- 3. Angew. Chem. Int. Ed., 2015, 54, 3038.
- 4. J. Am. Chem. Soc. 2015, 137, 6742-6745.
- 5. Org. Lett. 2018, 20, 526-529.