Strem Chemicals, Inc.

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Catalog # 08-2047 (S)-(-)-5,5'-6,6'-Tetramethyl-3,3'-di-t-butyl-1,1'-biphenyl-2,2'-diol, 99% (S)-BIPHEN H2

Technical Notes:

- 1. High enantioselectivity in iridium-catalyzed asymmetric hydrogenation.
- 2. Kinetic resolution of planar-chiral (η⁶-arene)chromium complexes by molybdenum-catalyzed asymmetric ringclosing metathesis.
 - 3. Palladium(II)/Bronsted acid-catalyzed enantioselective oxidative carbocycliization-borylation of enallenes.
- 4. Branch-selective and enantioselective hydroarylation of alkenes via anilide-directed C-H oxidative addition using iridium as a catalyst

Pd(OAc)₂ (2.5 mol%)
chiral acid (5 mol%)
$$B_{2}pin_{2} (1.0 \text{ equiv})$$

$$BQ (1,2 \text{ equiv})$$

$$toluene, rt$$

$$E = COOMe$$

$$Bpin$$
Tech Note (3)
Ref. (3)

References:

- Angew. Chem. Int. Ed., 2007, 46, 1497.
 Angew. Chem. Int. Ed., 2012, 51, 2951.
 Angew. Chem. Int. Ed., 2015, 54, 6024.
 J. Am. Chem. Soc., 2018, 140, 9351.