## Strem Chemicals, Inc

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 $\label{eq:catalog problem} \text{Catalog \# 15-0563 (4S)-4-Hydroxy-2,6-bis(3,3'',5,5''-tetrakis(trifluoromethyl)-[1,1':3',1''-terphenyl]-5'-yl)dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepine-4-oxide}$ 

## **Technical Notes**

- 1. Chiral Brønsted acid catalysis for enantioselective Hosomi-Sakurai reaction of imines with allyltrimethylsilane.
- 2. Chiral Brønsted acid catalysis for stereoselective Mannich-type reactions of in situ generated C-alkynyl imines with β-keto esters.
- 3. Chiral Brønsted acid catalysis for Mannich-type reaction of N-Boc-iminium intermediates, generated in situ from N-Boc-aminals.

Tech. Note (2); Ref. (2)

Tech. Note (1); Ref. (1)

## References:

- 1. Org. Lett., 2011, 13, 2126.
- 2. Angew. Chem. Int. Ed. 2013, 52, 11509.
- 3. Tetrahedron, 2016, 72, 3687.