## Strem Chemicals, Inc.

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Catalog # 15-8314 [S(R)]-N-[(S)-[2-(Diphenylphosphino)phenyl](4-methoxyphenyl)methyl]-2-methyl-2-propanesulfinamide, 95%

## **Technical Notes:**

- 1. Ligand for the enantioselective Au-catalyzed [3+3] cycloaddition reaction of 2-(1-alkynyl)-alk-2-en-1-ones with nitrones.
- 2. Ligand used for Ag(I)-catalyzed enantioselective [3+2] cycloaddition of azomethine ylides.

$$R^{3} \xrightarrow{R^{4}} R^{5} \xrightarrow{\text{[Au] } R\text{-Ming-Phos}} R^{2} \xrightarrow{\text{[Au] } S\text{-Ming-Phos}} R^{3} \xrightarrow{\text{[Au] } S\text{-Ming-Phos}} R^{3} \xrightarrow{\text{[Au] } S\text{-Ming-Phos}} R^{3} \xrightarrow{\text{Ref. (1)}} R^{3} \xrightarrow{\text{Ref. (1)}} R^{4} \xrightarrow{\text{Ref. (1)}} R^{2} \xrightarrow{\text{Ref. (2)}} R^{4} \xrightarrow{\text{Ref. (2)}} R^{2} \xrightarrow{\text{Ref. (2)}} R^{4} \xrightarrow{\text{Ref. (2)}} R^{2} \xrightarrow{\text{Ref. (2)}} R^{4} \xrightarrow{\text{Ref. (2)}} R^{2} \xrightarrow{\text{Ref. (2)}} R^{2} \xrightarrow{\text{Ref. (2)}} R^{4} \xrightarrow{\text{Ref. (2)}} R^{2} \xrightarrow{\text{Ref. (2)}} R^{2} \xrightarrow{\text{Ref. (2)}} R^{4} \xrightarrow{\text{Ref. (2)}} R^{2} \xrightarrow$$

## References:

- 1. Angew. Chem. Int. Ed. 2014, 53, 4350.
- 2. Org. Biomol. Chem., 2019, 17, 1395.