Strem Chemicals, Inc

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Catalog # 07-1412 (4S,4'S,5R,5'R)-2,2'-Cyclopropylidenebis[4,5-dihydro-4,5-diphenyloxazole]

$$\begin{array}{c|c} & & & \\ & & & \\ Ph & & & \\ \hline Ph & & \\ \end{array}$$

Technical Notes

- 1. Ligand for the catalytic enantioselective conjugate addition of 1,3-dicarbonyl compounds to nitroalkenes.
- Ligand for the Cu-catalyzed asymmetric annulation reactions of carbenes with 2-iminyl- or 2-acyl-substituted phenols.

$$\begin{array}{c|c}
O & O \\
R^1 & R^2 & Mg(OTf)_2/L \\
\hline
NMM, CHCl_{3,} MS
\end{array}$$

$$\begin{array}{c}
O & R^3 \\
R^1 & O & R^3
\end{array}$$

$$\begin{array}{c}
NO_2 \\
COR_2
\end{array}$$

Tech. Note (1); Ref. (1, 2)

Tech. Note (2); Ref. (3)

References:

- 1. J. Am. Chem. Soc. 1999, 121, 10215.
- 2. J. Am. Chem. Soc. 2002, 124, 13097.
- 3. Angew. Chem. Int. Ed. 2019, 58, 13885.