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A Tunable Class of Chiral Cp Ligands for Enantioselective Rhodium(III)-Catalyzed C-H Allylations of Benzamides

Chiral Cyclopentadiene Ligands for the Asymmetric Allylation of Benzamides

Significance: A class of chiral Cp ligands with tuneable steric parameters is reported and used in the Rh(III)-catalyzed allylation of N-methoxybenzamides. The obtained yields are good and the enantioselectivities excellent.

Comment: Cyclopentadienyl (Cp) ligands are among the most versatile and frequently used ligands to access robust and highly catalytically active transition-metal complexes. However, there are only a few chiral Cp ligands reported so far.

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