

## Enantioselective C-C Bond Formation Promoted By Camphor-Derived Chiral Ligands

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Chiral alcohols are important compounds that either show biological activity or are key intermediates for natural product synthesis. The design of novel reactions that proceed with high atom economy and enable multiple transformations through a shorter reaction sequence is an integral part of modern organic synthesis. The utility of chiral ligands in catalytic enantioselective C-C bond formation is amply demonstrated in a myriad of organic transformations.

We have studied the ability of new camphor derived chiral ligands in asymmetric catalysis and found that high enantioselectivities were obtained in the enantioselective C-C bond formation reactions. The results of enantioselective addition of silylcyanide, and organozinc reagents to aldehydes will be presented

