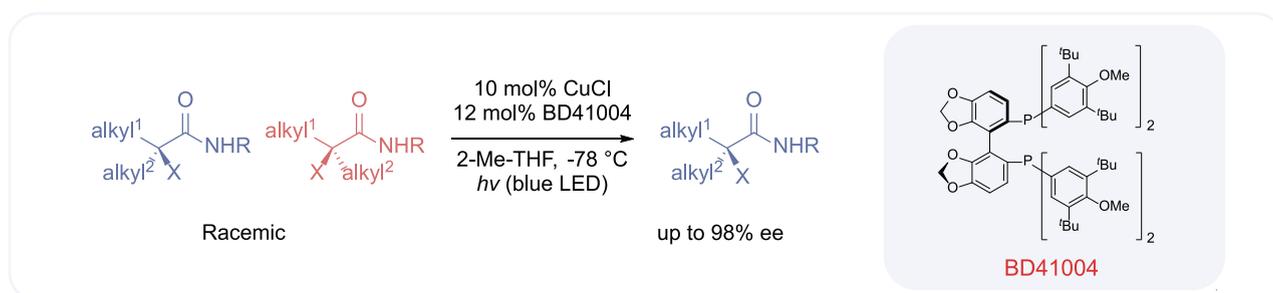


Chiral Phosphine Ligands (668 instock)

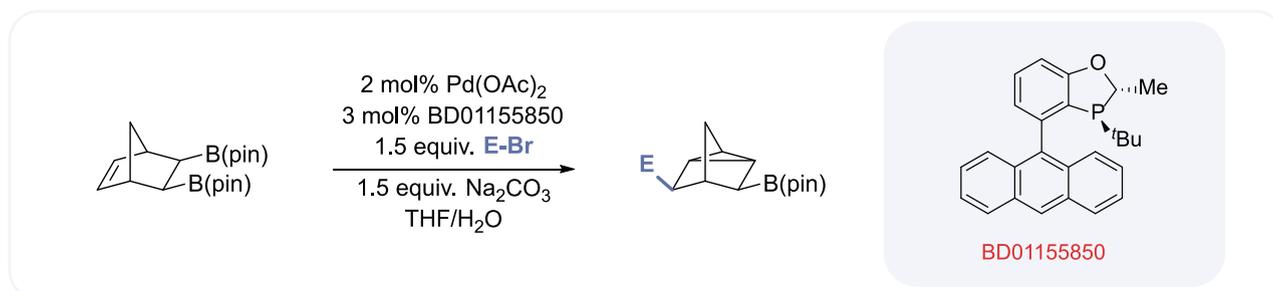
Metal-catalyzed asymmetric synthesis is one of the most efficient methods for production of useful optically active compounds. The success of the asymmetric transformations is significantly dependent on the structure and electronic properties of the chiral ligands coordinating to the center metals. Among various types of chiral ligands, phosphine ligands play a crucial role in asymmetric catalysis owing to their inherent ability to coordinating strongly to the transition metals and to promote catalytic reactions. Chiral phosphine ligands are categorized roughly into two classes. One class is phosphines having asymmetric carbon atoms or backbone chirality. Another class is composed of P-chiral phosphine ligands that possess their stereogenic centers on the phosphorus atoms themselves. We're pleased to support your needs with a great number of chiral phosphine ligands.

Technical Notes:

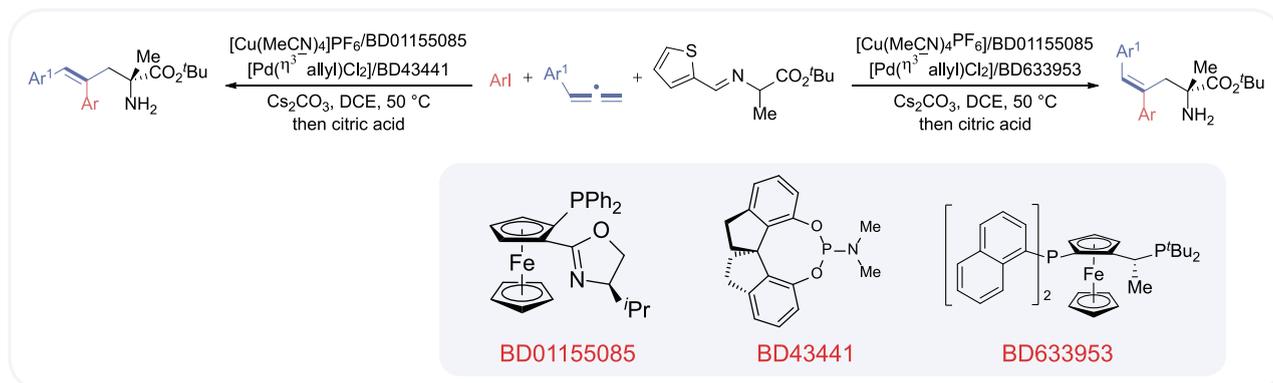
1. Photoinduced Copper-catalysed deracemization of alkyl halides.^[1]



2. Catalytic asymmetric synthesis of meta benzene isosteres.^[2]



3. Ligand-controlled stereodivergent synthesis of non-natural α -quaternary amino acids bearing Z- and E-alkene moieties.^[3]

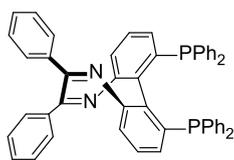


References

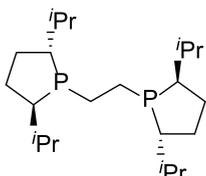
- [1] Nature, **2025**, 640, 107.
 [2] Nature, **2024**, 633, 90.
 [3] Science, **2024**, 385, 972.

Chiral Phosphine Ligands

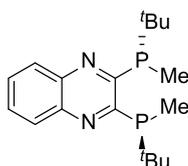
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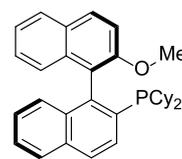
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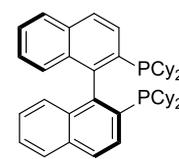
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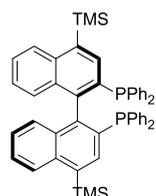
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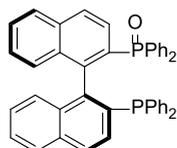
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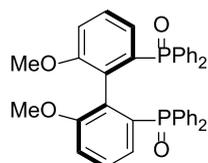
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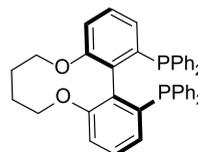
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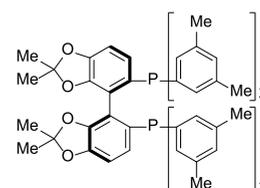
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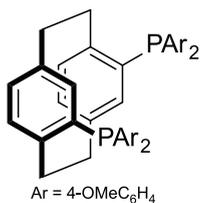
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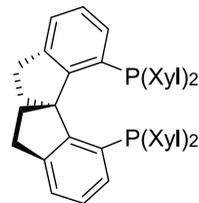
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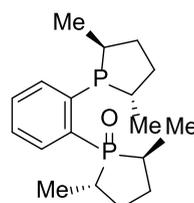
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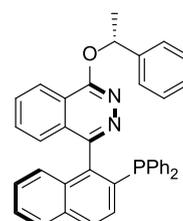
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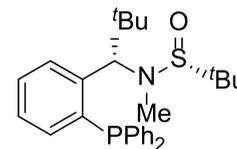
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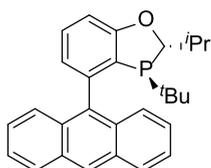
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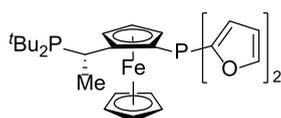
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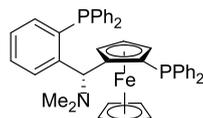
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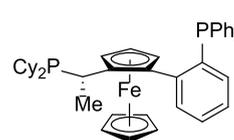
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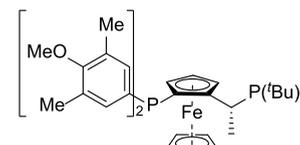
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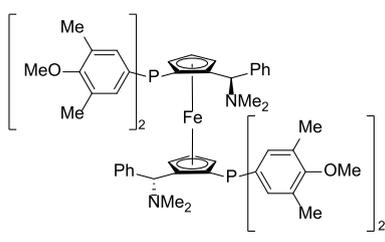
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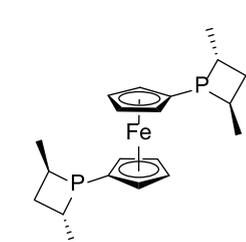
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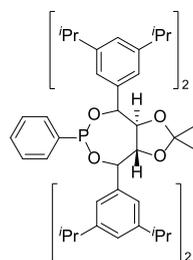
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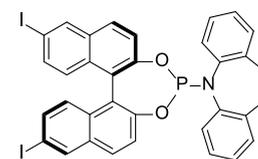
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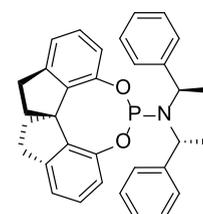
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