



## A New Class of Chiral Keytone Catalysts

This invention is directed to using a chiral ketone and an oxidizing agent to epoxidize olefins. Epoxides are very important chiral building blocks for the synthesis of enantiomerically pure complex molecules. Epoxides are used in many industrial processes as chiral building blocks for the synthesis of enantiomerically pure complex molecules such as drugs, polymers, surfactants, pesticides, insecticides, insect hormones, insect repellants, pheromones, and food flavoring.

**ID: CSURF 01-012**

**Patent Information**  
US Patent 7,153,971

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