

Recent advances on copper-catalyzed asymmetric synthesis and their potential biological applications

ABSTRACT

An asymmetric catalysis is a form of catalytic reaction wherein a chiral catalyst controls the production of a chiral molecule to favour the synthesis of one stereoisomer over another. It's a good way to make stereoisomeric molecules for pharmacological purposes. Among the transition metals, copper is a cost-effective, plentiful, and less poisonous metal. This review focused on the asymmetric transformations in the last fifteen years.