

Catalytic activity and immobilization of new enantioselective chiral Co (III) salen complexes in the hydrolytic kinetic resolution of epichlorohydrine

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The syntheses of optically pure chemicals have gained significant potential over recent years. Chiral catalysts get more important nowadays. Especially the heterogeneous chiral catalysts offer practical advantages of the facile separation from reactants and products. Several immobilization strategies have been shown to give stable and active heterogeneous catalysts.

So, we synthesize chiral Co(III) salen complexes bearing on BCl_3 . And this Co(III) Salen complexes are immobilized on the functionalized silica gel. This catalysts are very reactive and enantioselective in the hydrolytic kinetic resolution of racemic ECH(epichlorohydrine) with water.