

Catalytic Activity of monomer Chiral Salen Complexes encapsulated in Meso Silicate

곽소봉, 김용석, 카테라 라울, 김건중*

인하대학교

(kingj@inha.ac.kr*)

Silicate was modified by alkaline and acidic solution to introduce mesoporosity in the crystals. Heterogenized salen complexes was prepared in the mesopores of silicate by 'ship-in-a-bottle' method. Hydrolytic kinetic resolution (HKR) and Phenol kinetic resolution (PKR) of racemic terminal epoxides was performed successfully by using chiral (salen) catalysts encapsulated in meso silicate.