

Asymmetric hydrolytic kinetic resolution of terminal epoxides catalyzed by new chiral (salen) Co catalyst

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Hydrolytic kinetic resolution (HKR) can be a highly effective strategy for the preparation of enantioriched terminal epoxides, since the corresponding racemates are available very inexpensively. New chiral (salen) Co bonded with Ga have been used for the efficient asymmetric hydrolysis of terminal epoxides. This method not only provides highly valuable terminal epoxides but also 1, 2-diols too.