

Publication

Aldol reactions in water using a beta-cyclodextrin-binding proline derivative

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The aldol reaction of various arom. aldehydes with cyclohexanone catalyzed by the inclusion complex of a proline deriv. and **beta**-cyclodextrin in water is described. A series of hydroxyketones was obtained using this method in good yields with anti/syn ratio of up to 99:1 and ee values well above 90%.

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