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Title:	Magnetically separable nano Fe <sub>3</sub> O <sub>4</sub> as highly efficient and reusable heterogeneous catalyst for the regio- and stereoselective synthesis of $\beta$ -amino alcohols
Authors:	Kumar, Amit (/jspui/browse?type=author&value=Kumar%2C+Amit)
Keywords:	$\beta$ -amino alcohols Heterogeneous catalyst
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Abstract:	Magnetically recoverable and nano Fe <sub>3</sub> O <sub>4</sub> -catalyzed ring opening of aliphatic, alicyclic and aromatic epoxides with a variety of amines under solvent free condition is reported. Nano Fe <sub>3</sub> O <sub>4</sub> -catalyzed epoxide opening gave various $\beta$ -amino alcohols in good to excellent yields with very high regio- and stereoselectivity. The catalyst can be recovered and reused up to ten cycles.
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