

Trans-Stereoselectivity in the Reaction between Homophthalic Anhydride and Imines

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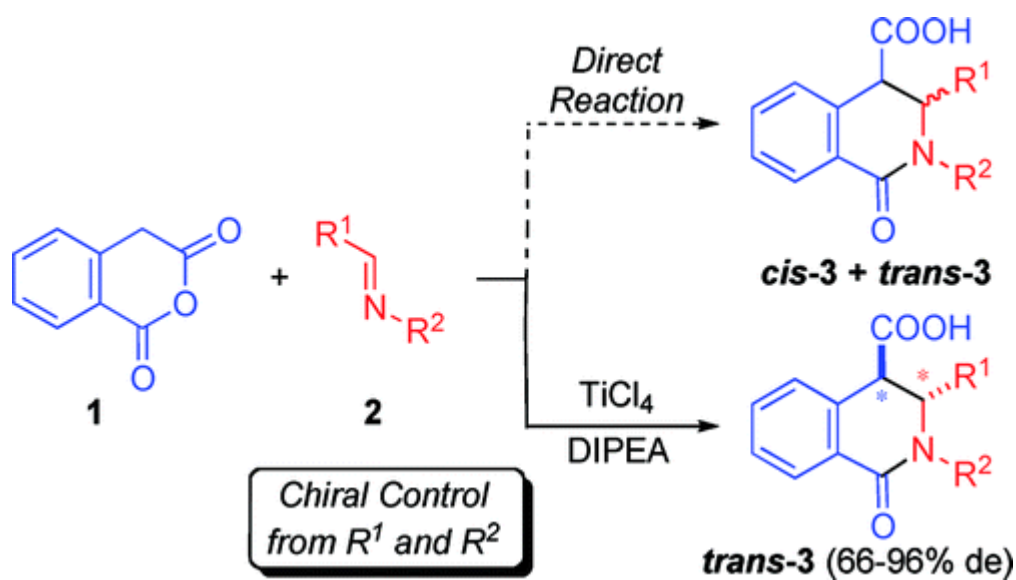
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Abstract



The reaction between homophthalic anhydride and imines in the presence of TiCl₄ and diisopropyl ethyl amine is *trans*-selective. Under these conditions, the reaction using homochiral imines can be highly diastereoselective, thus allowing the synthesis of enantiopure 1,2,3,4-tetrahydro-1-oxoquinoline-4-carboxylic acids.