

Diastereotopic Derivatives of Chiral Alkoxyisoindolinones

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Abstract—A method for synthesis of 2,3-substituted 3-hydroxyisoindolin-1-one acyl derivatives, modified reactivators of tumor suppressor protein p53, was developed; these compounds were synthesized and characterized. It was shown that diastereomeric esters of Boc-N-protected amino acids, unlike esters with a free amino group, can be preparatively isolated by flash chromatography using achiral media.

Keywords: optical isomers, diastereomers, liquid chromatography, p53, MDM2

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