A Combinatorially Convenient Version of Synthesis of 5-Substituted Oxazole-4-carboxylic Acid Ethyl Esters

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Abstract—Reaction of ethyl isocyanoacetic acid with sodium hydride in anhydrous benzene, followed by treatment with carboxylic acid chlorides or *N*-(acyloxy)pyrrolidine-2,5-diones, gives 5-substituted oxazole-4-carboxylic acid esters. The procedure is applicable to derivatives of various carboxylic acids, including saturated aliphatic, α,β-unsaturated, alicyclic, aromatic, heterocyclic, and *N*-Boc-protected amino acids.

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