

# Alkylation of Imidazole-4(5)-carboxylic Acid Derivatives with Methyl Bromoacetate

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**Abstract** - The alkylation of imidazole-4(5)-carboxylic acid anilide and methyl ester with bromoacetic acid and its methyl ester in neutral and alkaline media yields, along with monoalkylation products, 1,3-bis(2-methoxycarbonylmethyl)-4-R-imidazolium bromide. The monoalkylation of methyl imidazole-4(5)-carboxylate yields a 1 : 1 mixture of the 1,4- and 1,5-isomers, and the monoalkylation of imidazole-4(5)-carboxylic anilide selectively provides the 1,4-isomer.