A Study of Alkylation Regioselectivity of 5-Substituted Tetrazoles with Chloroacetamides

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Abstract—Alkylation of 5-aryltetrazoles with *N*-arylchloroacetamides commonly proceeds regioselectively at 2 position of the tetrazole ring. The ratio of 1,5- and 2,5-regioisomers depends on the nature of a substituents in the benzene ring of the *N*-arylchloroacetamide and position of a substituent in the aryltetrazole aryl group. Features of ^{1}H NMR spectra of the synthesized compounds are discussed.

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