

Adamantylazoles: XIV.¹ Acid-Catalyzed Alkylation of 5-Aminotetrazoles with Tertiary Alcohols

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Received March 1, 2010

Abstract—Alkylation of 5-aminotetrazole with *tert*-butyl alcohol or adamantan-1-ol in sulfuric acid gave a mixture of isomeric *N*¹- and *N*²-alkyl derivatives, as well as 1,3-dialkyl-5-aminotetrazolium salt. Adamantylation of 1-substituted 5-aminotetrazoles led to the formation of mixtures of 1,3- and 1,4-disubstituted 5-aminotetrazolium salts which can be converted into the corresponding free bases.

DOI: 10.1134/S1070363210110228