

Synthesis of new derivatives of thiazolo[2,3-b][1,3,4]thiadiazolium system

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Abstract

Synthesis of 2-(2-methyl-2-propenyl)thio-5-methyl-1,3,4-thiadiazole was carried out by interaction 5-methyl-1,3,4-thiadiazole-2-thione with 2-methyl-3-chloropropene in ethanol at presence of tributylamine. Its interaction with halogens, hydrohalic acids and mercury(II) chloride was investigated. It was established that reactions proceed with formation of thiazolo[2,3-b][1,3,4]thiadiazolium systems.