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

© Natalia M. Sudolova,** and Dmitry G. Kim

Organic Chemistry Subdepartment. Chemistry Department. South Ural State University. Lenin St., 76. Chelyabinsk, 454080. Russia. Phone: +7 (351) 267-95-70. E-mail: natalyasudolova@mail.ru

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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.

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^{*}Supervising author; *Corresponding author