Full Paper

Registration Code of Publication: 11-26-11-70 Subsection: Organic Chemistry. Publication is available for discussion in the Internet as a material of "All-Russian Working Chemical Conference "Butlerov's Heritage-2011". http://butlerov.com/bh-2011/ Contributed to editorial board: August 1, 2011

Bromination of S-derivatives 6-trifluoromethyl-2-thiouracils

© Tatiana V. Frolova,⁺ Evgenia I. Bahteeva, and Dmitry G. Kim*

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

*Supervising author; ⁺Corresponding author

Keywords: 2-alkenvlthio-4(3H)-pyrimidinones, bromcyclization, thiazolo[3,2-a]pyrimidinones, pyrimido[2,1-b][1,3]thiazinones.

Abstract

Interactions of bromine with 2-allylthio-, 2-(2-methyl-2-propenyl)thio-, 2-(3-methyl-2-butenyl)thio-, 2-(3-chloro-2-propenyl)thio-, 2-(3-buten-1-yl)thio- и 2-(3-propenyl)thio-6-trifluoromethyl-4(3H)-pyrimidinones have been examined and found heterocyclization process is leads to thiazolo[3,2-a]pyrimidinones and pyrimido [2,1-b][1,3] thiazinones systems. Structures of synthesized compounds were investigated of NMR ¹H, chromatography-mass spectrometry and infrared spectroscopy.