

# Reactions of 8-Methyl-5-methylsulfanyl methyl-3-thiabicyclo-[3.3.1]non-7-en-6-one at the Carbonyl Group

L. A. Baeva, A. D. Ulendeeva, A. A. Fatykhov, and N. K. Lyapina

*Institute of Organic Chemistry, Ufa Research Center, Russian Academy of Sciences,  
pr. Oktyabrya 71, Ufa, 450054 Bashkortostan, Russia  
e-mail: sulfur@anrb.ru*

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**Abstract**—The reduction of 8-methyl-5-methylsulfanyl methyl-3-thiabicyclo[3.3.1]non-7-en-6-one with aluminum hydride, lithium tetrahydridoaluminate, or lithium tris(*tert*-butoxy)hydridoaluminate in tetrahydrofuran gave 8-methyl-5-methylsulfanyl methyl-3-thiabicyclo[3.3.1]non-7-en-6-ol. 8-Methyl-5-methylsulfanyl methyl-3-thiabicyclo[3.3.1]nonan-6-ol was obtained by reduction of the title compound with sodium tetrahydridoborate in pyridine or dimethylformamide. The reaction of 8-methyl-5-methylsulfanyl methyl-3-thiabicyclo[3.3.1]non-7-en-6-one with hydroxylamine hydrochloride afforded the corresponding oxime.

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