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Tris(2-methoxy,5-bromophenyl)bismuth

© Vladivir V. Sharutin, Vladislav S. Senchurin, and Maxim V. Kazakov

Blagoveshchensk state pedagogical university. Lenin, 104. Blagoveshchensk, 675000. Russia.

Phone: +7 (4162) 37-61-91. E-mail: vvsharutin@rambler.ru

*Supervising author; †Corresponding author

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Abstract

Reaction of 2-methoxy,5-bromophenyllithium with bismuth trichlorides in ether solvate of *tris(2-methoxy,5-bromophenyl)bismuth* (**I**) benzene with the release of 81% has been carried out. Because the first compound and copper dichloride were synthesized in acetone dichloride *tris(2-methoxy,5-bromophenyl)bismuth* (**II**); difluoride *tris(2-methoxy,5-bromophenyl)bismuth* was obtained from **II** and sodium fluoride in water-acetone solution, dibromide *tris(2-methoxy,5-bromophenyl)bismuth* – oxidation of compound **I** with bromine in a solution of chloroform. Reactions of **I** with 2,4,6-tribromophenol and cinnamic acid in the presence of hydrogen peroxide in the air flow proceeded through the scheme of oxidative addition to form compounds Ar_3BiX_2 ($\text{X} = \text{OC}_6\text{H}_2\text{Br}_3\text{-2,4,6}$ and OC(O)CH=CHPh), respectively.