

SYNTHESIS AND STUDY OF PYROCATECHOL DERIVATIVES OF B KETOIMINATES OF BORON

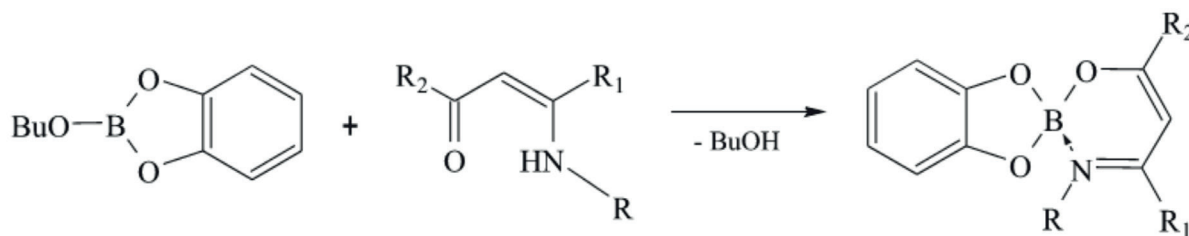
Puzyrkov Z.N., Tretyakova G.O., Svistunova I.V.

^a Far Eastern Federal University, 690091, Vladivostok, ul. Sukhanova, 8
e-mail: puzyrkov.zn@students.dvfu.ru

^b Institute of Chemistry, Far Eastern Branch of Russian Academy of Sciences,
690022, Vladivostok, Prospect 100 anniversary of Vladivostok, 159

Interest in the chemistry of spirocompounds of tetracoordinated boron has been observed since the early 60s of the last centuries and has been noted to date by a series of publications¹⁻⁴ on the synthesis and study of their physicochemical properties. The features of the structure of boron spirochelates constantly attract the attention of researchers, following reports of the synthesis of this class of compounds in the 60s of the last centuries was followed by several publications describing the spectroscopic properties of individual representatives.⁵ Unlike numerous compounds of three-coordinated boron, in spiroborate boron is tetra-coordinated, which is confirmed by the optical activity of these compounds¹⁻⁴ and has a formal negative charge, i.e. compounds are bipolar.

The synthesis and study of properties of fluorescent N-methyl and N-phenyl analogs β -diketonates boron.



где R=H, CH₃, Ph и R₁=R₂=Ph, CH₃; R₁=CH₃, R₂=Ph

The structure of the obtained compounds was proved by the methods of IR, NMR spectroscopy, MASS spectrometry, and TLC.

Literature

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