

Synthesis and photophysical properties difluoroborate complexes of 2-(2'-hydroxyphenyl)-3H-quinazoline-4-ones

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Abstract

The synthesis of new derivatives of 2-(2'-hydroxyphenyl)-3H-quinazoline-4-ones were carried out and obtained its BF₂ complexes. Coordination compounds characterized by the data of ¹H, ¹⁹F, ¹¹B NMR spectroscopy and mass spectrometry. The fluorescence of the complexes in acetonitrile solution was investigated and presented data on the effect of substituents in the phenol fragment on photophysical properties.