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# Comparative analysis of Cu(II) reactivity upon interaction with octa-(4-bromophenyl)-tetraazaporphyrin and Mg-octa-(4-bromophenyl)-tetraazaporphyrin

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**Abstract**

The complexation of copper chloride(II) with octo-(4-bromophenyl)tetraazaporphyrin–ligand and metallosalen with Mg(II)-octo-(4-bromophenyl)tetraazaporphyrin in dimethylformamide (DMF) are studied. Kinetic parameters of the reactions and the comparative analysis of their velocity constants. The first order of salt and metallocomplex in the reaction of metallocene Mg(II)-octo-(4-bromophenyl)tetraazaporphyrin copper chloride(II) in DMF are defined. Reaction mechanism of metallocene are proposed.