DERIVATIVES OF DITHIOOXAMIDES, SYNTHESIS OF THEIR Ni(II), Co(II), Cu(II) COMPLEXES AND INVESTIGATION OF THEIR STRUCTURE

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ABSTRACT

In this work, N,N'-bis(2-hydroxyphenyl)dithiooxamide (BDOH$_4$), N,N'-bis(2-pyridylmethyl)dithiooxamide (BPDH$_2$) and N,N'-bis(2-pyridylmethyl)dithiooxamide dihydrochloride (BPDH$_2$·2HCl), were synthesized. The complexes of these ligands with Ni(II), Co(II) and Cu(II) were prepared. The structure of the ligands as well as their metal complexes were studied employing $^1$H-NMR, IR spectroscopy and elemental analysis respectively.