



Research Article



Synthesis the meal complexes containing the metal ions Cu (II), Co (II) and Ni (II) of Schiff bases derived from substituted thiophenes as "NO" and "ONO" donors

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ABSTRACT

Thienothiophene derivatives developed for various purposes in the field of medicinal chemistry have been reported as potential antiviral, antibiotic, and anti-glaucoma drugs or as inhibitors of platelet aggregation. There is a resurgence of interest in metal complexes of Schiff bases due to their inbuilt structural frame work containing both hard nitrogen/ oxygen and soft sulphur donor atoms. As a result they can readily coordinate with many transition metals giving stable complexes. In this paper we discuss about synthesis of bivalent colored metal complexes from NO and ONO donors of substituted thiophene schiff bases. And products are further confirmed by analytical, spectroscopic method by physico-chemical process.

Keywords: Thiophene, Schiff bases, analytical, spectroscopic method.

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