

Preparation and spectral characterization of Schiff base ligand and Cu(II), Co(II), Zn(II), Cd(II) metal complexes

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Schiff base ligand 2-((3,5-dibromo-2-hydroxybenzylidene)amino)acetic acid derived from 3,5-dibromosalicylaldehyde and glycine has been obtained in water and methanol. Complexes of this Schiff base ligand with Cu(II), Co(II), Zn(II), Cd(II) have been prepared with ligand-Metal ratio of 2:1. The structures of the prepared complexes have been elucidated on the basis of elemental analyses, electronic spectra, IR, ^1H NMR, mass spectra and TGA.

Keywords: Schiff base ligand, 3,5-Dibromosalicylaldehyde, Glycine, Metal complexes