



Cu(II), Cd(II) and Ni(II) Complexes of 5-Bromosalicylaldehyde-4-hydroxybenzhydrazone: Synthesis and Spectral Studies

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Abstract

Four complexes of 5-bromosalicylaldehyde-4-hydroxybenzhydrazone were synthesized and characterized by elemental analyses, electronic, and infrared spectra. In all complexes, hydrazone exists either in the neutral form, deprotonated monoanionic form or in dideprotonated dianionic form. Structures were assigned to all the complexes based on the physico-chemical studies.

Keywords: 5-Bromosalicylaldehyde-4-hydroxybenzhydrazone, Coordination Chemistry, Aroylhydrazone, Ligand

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