

Optical activity of mixed complexes of copper(II) and amino acids in the visible region

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Study of the visible absorption and circular dichroism spectra of mixed complexes formed by copper(II), an optically active amino acid anion and a phenanthroline or dipyridyl moiety, shows that although the absorption spectra are similar the Cotton effects differ. This behavior is analyzed in terms of the energy levels of the mixed complexes and their relationship with the sequence of levels of the corresponding bis-aminoacidates. An interpretation relating the variation of the circular dichroism bands with structural changes is proposed. © 1975.