



1,5-diaminopentaneetriols and 1,6-diaminohexanetetrols, potent dimer - forming ligands for Cu²⁺ ions. Potentiometric and spectroscopic studies.

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Streszczenie

A series of diaminoalcohols (1,5-diaminotriols and 1,6-diaminotetrols) have been synthesised and their co-ordination abilities towards Cu^{II} studied by potentiometry and spectroscopic techniques (UV/VIS, EPR and CD). Both amino groups act as anchoring sites for two metal ions. Thus, two independent NH₂, O⁻ chelates are formed leading to dimeric complexes in which two metal ions are bound to two N-terminal atoms of the 1,5- or 1,6-diaminoalcohols. In all cases studied both ligand conformation and absolute configuration have a distinct impact on the stabilities of the complexes formed.

Adres publiczny

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