



Competition between the terminal amino and imidazole nitrogen donors for coordination to Ni(II) ions in oligopeptides.

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Spectroscopic and potentiometric studies on Ni(II) complexes with oligopeptides containing a histidine (His) residue in the fourth position of the peptide sequence have shown that imidazole nitrogen can act as the major binding site for metal ions. As a result, coordination of Ni(II) to an imidazole nitrogen of a His residue leads to more stable species than those obtained for linear peptides containing non-coordinating side chains, such as tetraalanine.

Adres publiczny

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