

Electronic Supplementary Information

Nickel(II), zinc(II) and cadmium(II) complexes of hexapeptides containing separate histidyl and cysteinyl binding sites

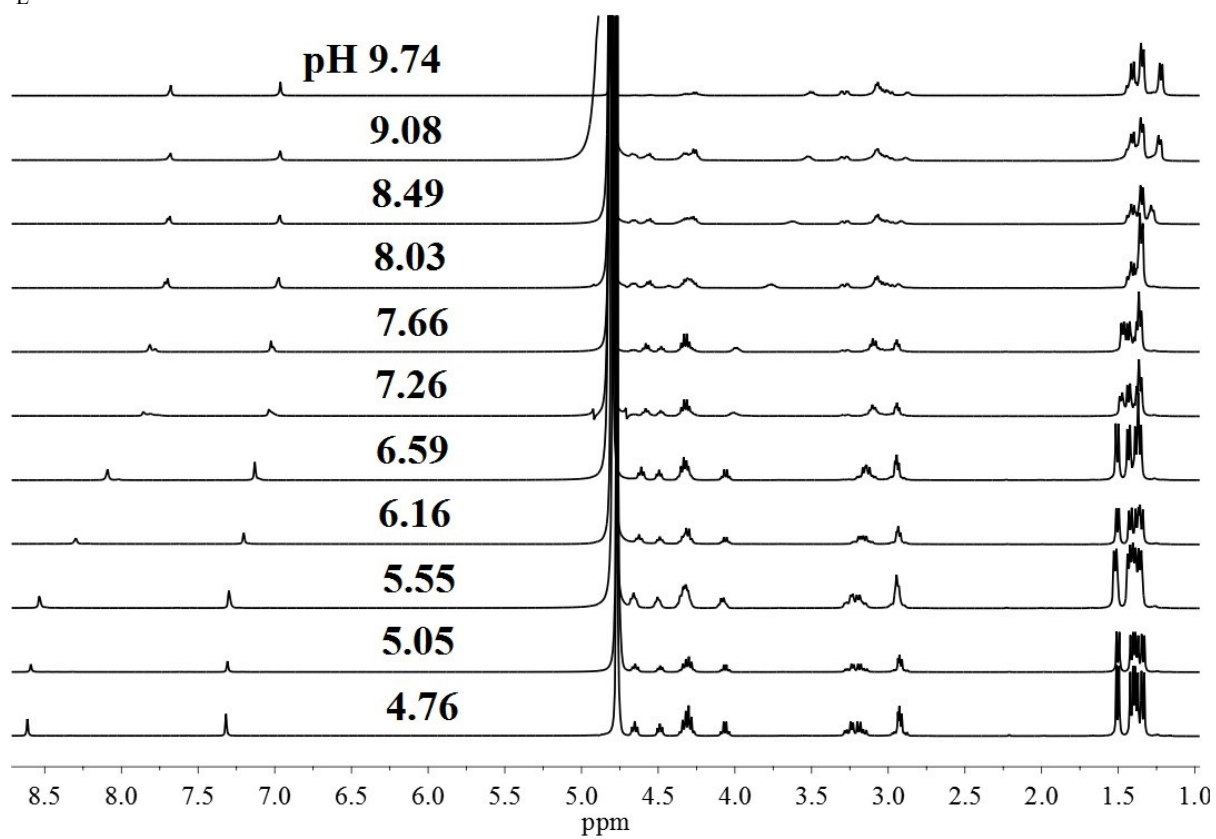
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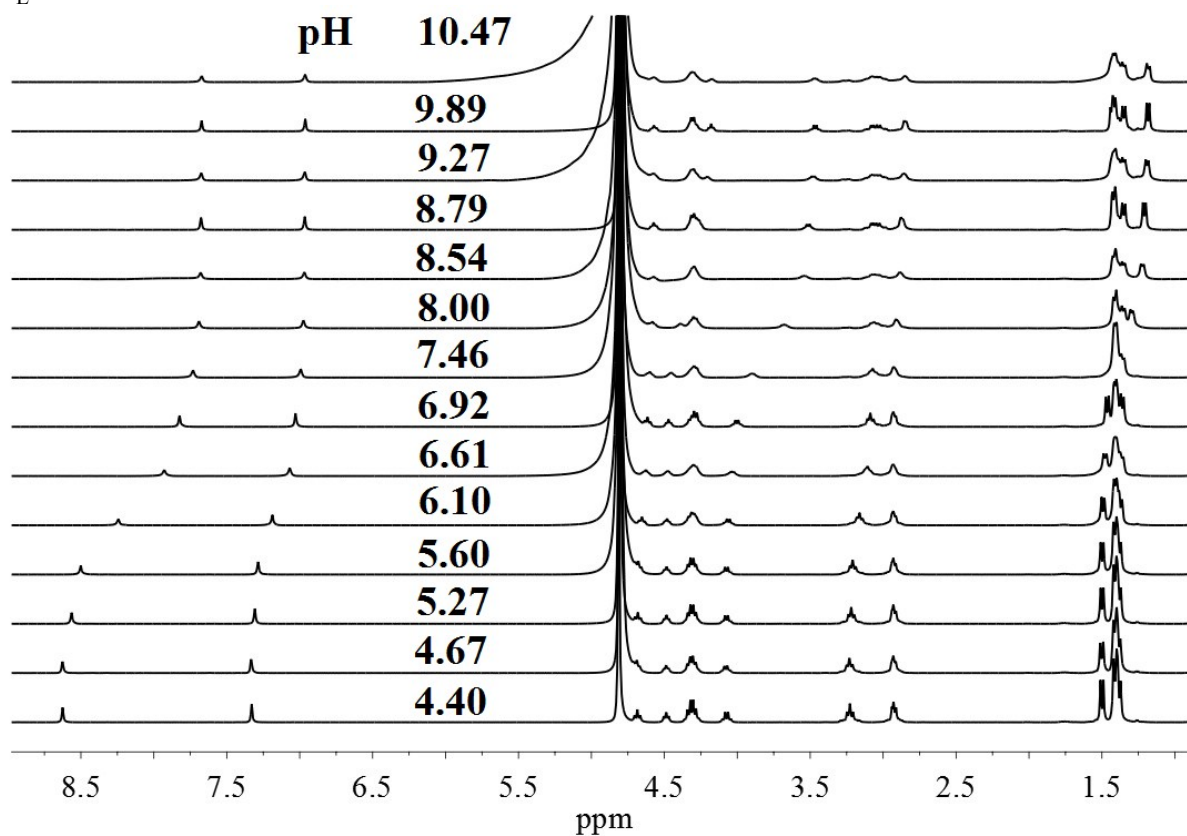
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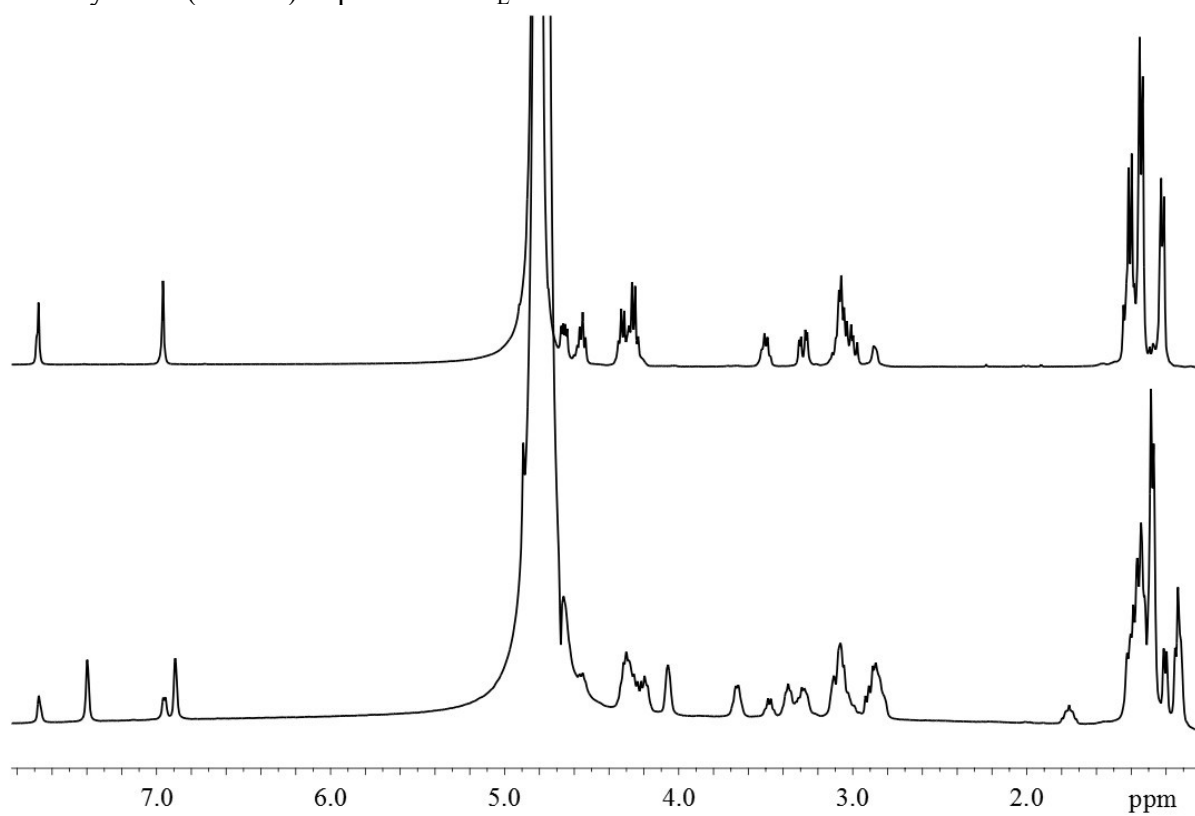
FigS1. Proton NMR spectra of the peptide AAHAAC recorded at different pH values.
 $c_L = 5$ mM.



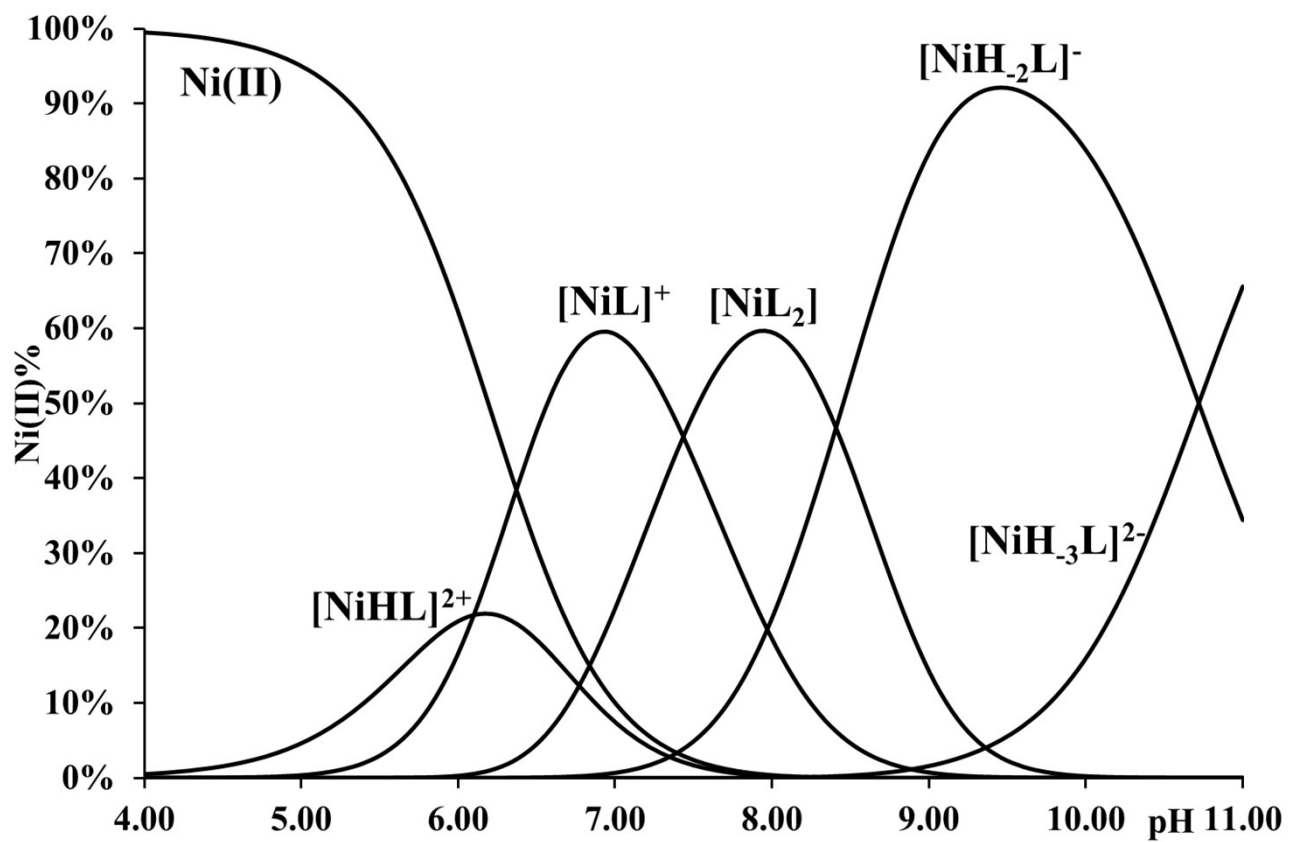
FigS2. Proton NMR spectra of the peptide AHAAAC recorded at different pH values.
 $c_L = 5$ mM.



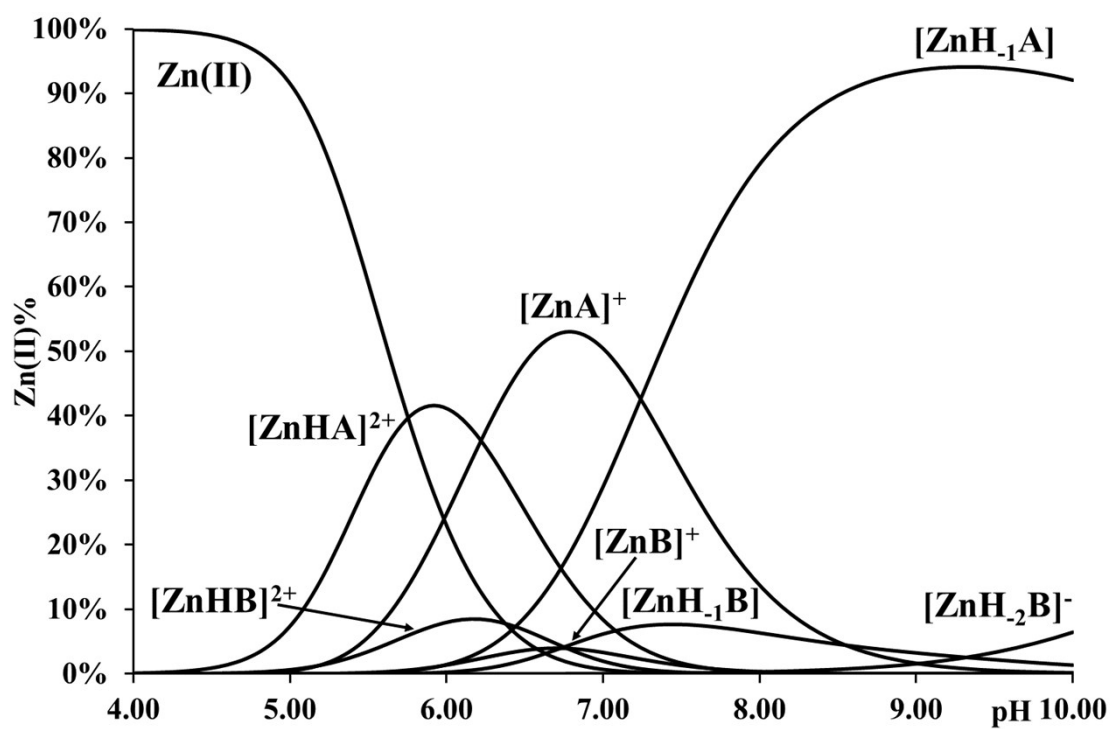
FigS3. Proton NMR spectra of the free peptide AAHAAC (top) and the nickel(II)-AAHAAC = 1:1 systems (bottom) at pH = 10.0. $c_L = 10$ mM



FigS4. Concentration distribution of the complexes formed in the nickel(II) – Ac-HAAC system at 1:3 metal to ligand ratio. $c_{\text{Ni(II)}} = 2 \text{ mM}$.



FigS5. Concentration distribution of the complexes formed in the zinc(II) – AHAAAC (A) - AHAAAHG (B) = 1:1:1 system. $c_{\text{Zn(II)}} = 2 \text{ mM}$.



FigS6. Selected regions of ^1H - ^1H TOCSY spectra of Cd(II):AHAAAC 1:1 metal to ligand ratio at pH 9.2. ($c_L = 10$ mM)

