

The binding ability of famotidine, the antiulcerogenic agent : ternary complexes with histidine and histamine with copper(II).

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Potentiometric and spectroscopic data have shown that the H₂ histamine antagonist famotidine is a very effective ligand able to compete with naturally occurring low molecular mass chelating agents like histidine and histamine. Ternary complexes of Cu(II) with famotidine, and either histidine or histamine were found to be very stable species, forming at low pH and being the major components in equilibrium mixture over almost the entire pH range.

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