

Histaminol and its complexes with copper(II) : studies in solid state and solution.

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Streszczenie

Histaminol [4(5)-(β-hydroxyethyl)imidazole, 4-(1*H*-imidazol-2-yl)ethanol, L] is an analogue of histamine and its minor metabolite. So far its properties have not been studied in detail due to the synthetic difficulties. Here, the structure and acid-base properties of histaminol, as well as the results of studies on its copper(II) complexes in solid state and aqueous solution are reported. Stability constants of the histaminol–Cu^{II} system are measured and each stage of the complex formation is illustrated with the relevant crystal structure and the EPR spectrum.

Słowa kluczowe

copper, histaminol, x-ray diffraction, EPR spectroscopy, stability constants

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