Binding ability of impromidine a potent H_2 histamine agonist and its analogues.

Autorzy

Anna M. Moreeuw

P. Decock

H. Timmerman

Henryk Kozłowski

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Streszczenie

Potentiometric and spectroscopic (UV–VIS, EPR) methods were used to establish the co-ordination equilibria in Cu^{2+}-impromidine solutions. Impromidine, a strong H_2 histamine agonist, was found to be an effective ligand co-ordinating to the Cu^{2+} ion via two imidazole rings with the formation of a 15-membered macrochelate. CuL and CuL_2 are the major complexes formed, with a bis-complex dominating at physiological pH.

Słowa kluczowe

Impromidine, Cu(II) complexes, H2 histamine agonists, Stability constants

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