



Vibrational Spectra of the Physiologically and Pharmacologically Relevant Cu(L-His)₂ Complex

Enrique J. BARAN ^{1*} and María H. TORRE ²

¹ *Centro de Química Inorgánica (CEQUINOR, CONICET/UNLP), Facultad de Ciencias Exactas, Universidad Nacional de La Plata, C. Correo 962, 1900-La Plata, Argentina.*

² *Química Inorgánica, Departamento "Estrella Campos", Facultad de Química, Universidad de la República, Montevideo, Uruguay.*

SUMMARY. The infrared spectrum of the Cu(II) complex of L-histidine (L-His) of composition [Cu(L-His)₂].1.5 H₂O, generated at physiological conditions, was recorded and analyzed in relation to its structural peculiarities and by comparison with the spectrum of the free amino acid. The electronic spectrum of the complex is also briefly discussed.

KEY WORDS: Copper(II), Electronic spectrum, IR spectrum, L-histidine.

* Author to whom correspondence should be addressed. *E-mail:* baran@quimica.unlp.edu.ar