ASYMMETRIC CHARGE DISTRIBUTION IN METALLOCHLORINS

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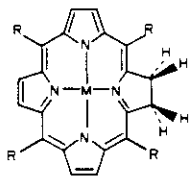
The first evidence for asymmetric charge distribution in metallochlorins will be discussed. The X-ray structure of 5,10,15,20-tetramethylchlorinatonickel(II) complex will be discussed and compared with the structure of the porphyrin analogue. Proton as well as Carbon-13 nuclear magnetic resonance studies will be discussed in the contex of the asymmetric charge distribution model.



R = CH_3

M = Ni(II)

References:

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2. A. Ulman, D. Fidher and J. A. Ibers, J.Heterocy.Chem., 19, 409 (1982);