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The electronic absorption spectra and the structure of 6-(2-methyl-5-oxo-1-phenyl-4,5-dihydro-1*H*-imidazole-4-ilazo)-1-oxo-2,5-dihydro-1*H*-benzo[4,5]imidazo[1,2-c] pyrimidine -7- carboxylic acid

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Abstract

Using spectral (electron spectroscopy) and quantum-chemical (PPP, PM3) methods we studied tautomeric and ionic forms 6-(2-methyl-5-oxo-1-phenyl-4,5-dihidro-1*H*-imidazole-4-ilazo)-1-oxo-2,5-dihidro-1*H*-benzo[4,5]imidazo[1,2-c]pyrimidine-7-carboxxylic acid. Its primary existence as non-flat CH-azo tautomer has been shown.