

Supporting Material

Synthesis, DFT calculations and catalytic activity in the Biginelli reaction of two hydrazone Cu(II) complexes

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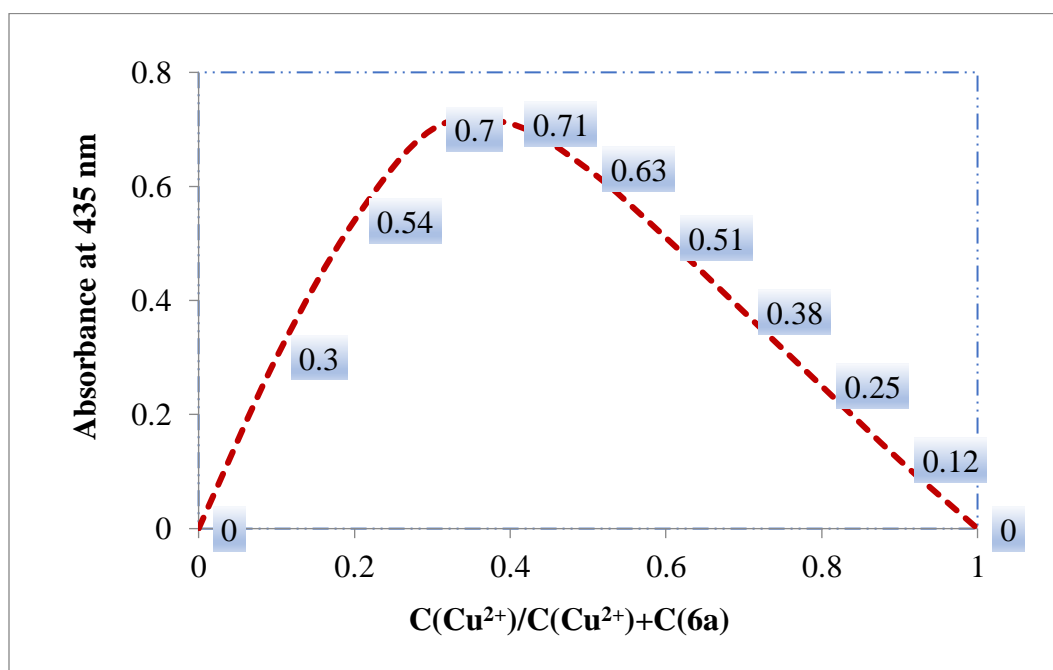


Figure S1. Job's curve of equimolar solutions for complex **7a** in aqueous methanolic solution^a.

^aNine aqueous methanolic mixtures of ligands (0.6 mM) and Cu(II) (0.6 mM) were prepared in appropriate buffer at 25 °C. Sodium perchlorate was added to give a constant ionic strength of 0.1 M. The volumes of ligand solution used varied from 9 to 1 ml and those of Cu(II) solution from 1 to 9 ml; total volume was always 10 ml. The absorption spectra of the complexes achieved immediately after mixing the ligands and Cu(II) solutions)

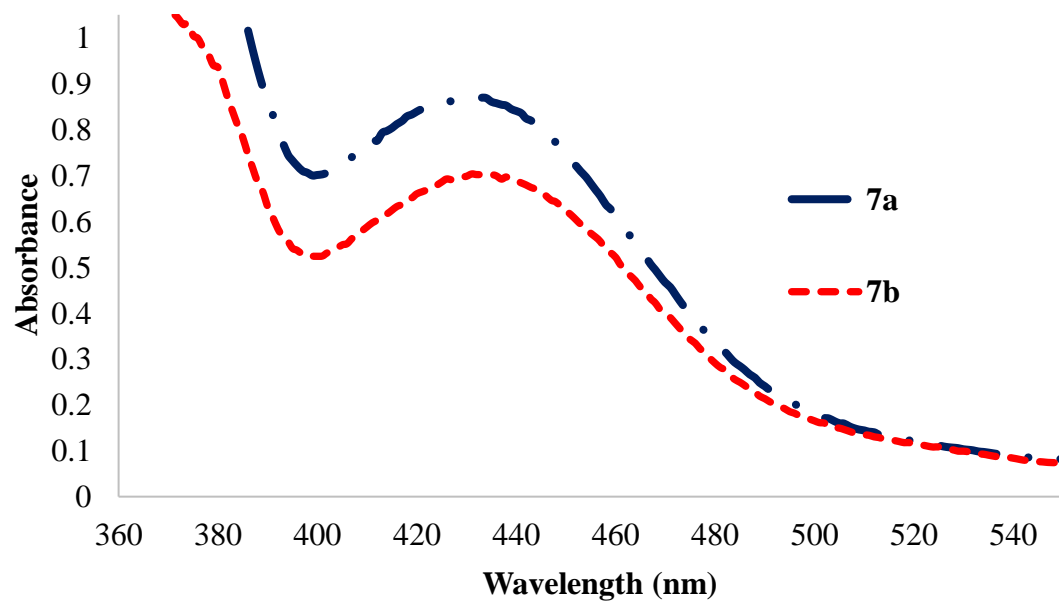


Figure S2. The absorption spectra of Cu(II) complexes **7a,b** in MeOH solution (10^{-5} M).