

# Interactions of Copper(II) Complexes of some Schiff base ligands with calf thymus DNA and bovine serum albumin

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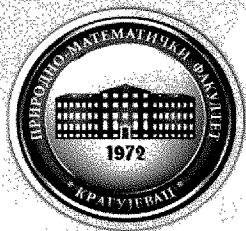


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[ДР РГФ]

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<http://dr.rgf.bg.ac.rs/s/repo/item/0005642>

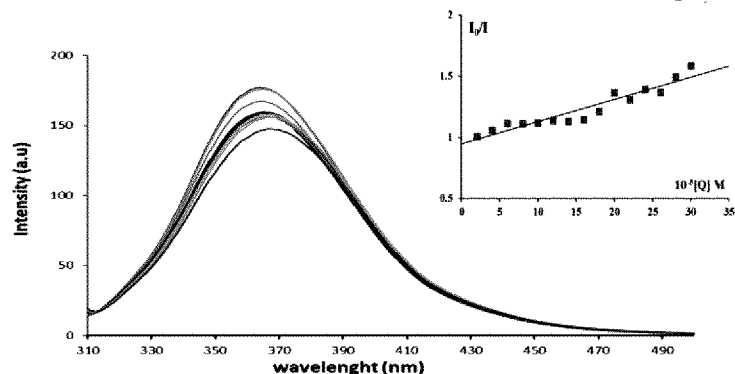
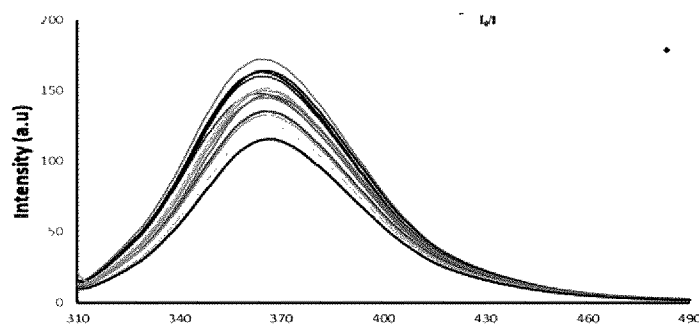
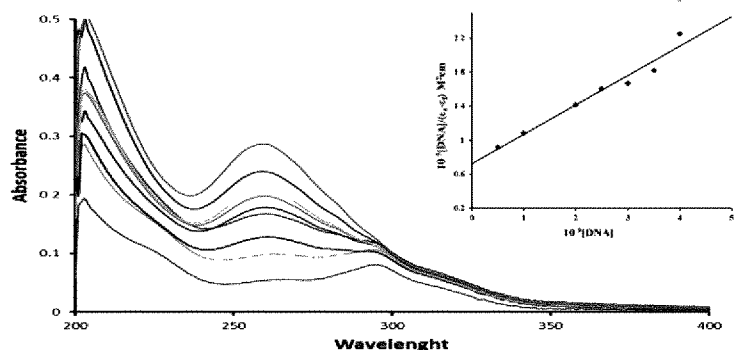
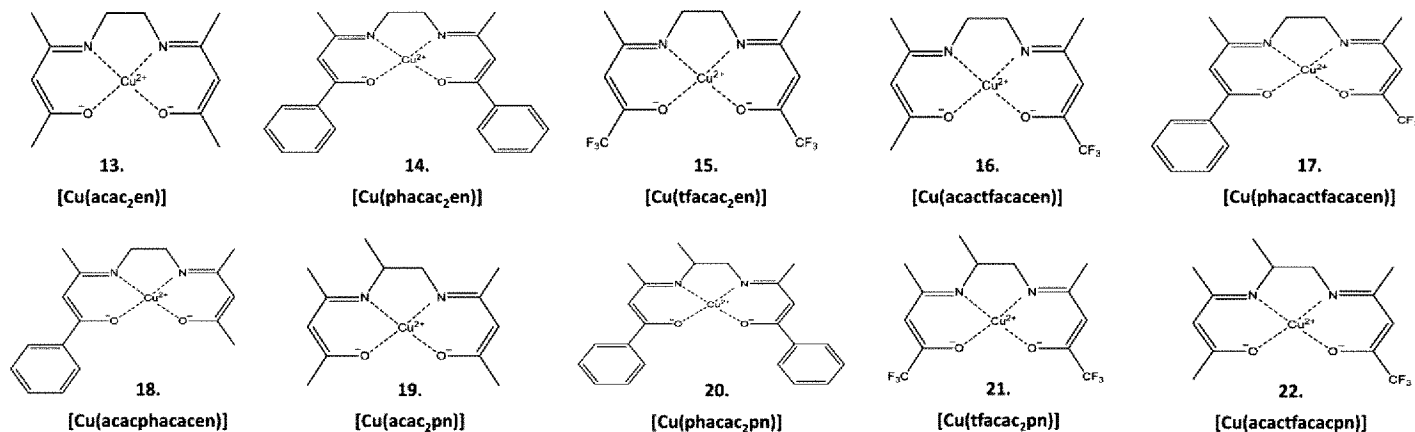


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Transition metal ions in combination with different ligands offer a large number of possibilities for testing potential bioactivities. Among transition metal ions copper is known as an endogenous metal for humans, with characteristic biological redox activities and relatively strong affinity for nucleobases. Copper complexes exhibit their antitumor activity on few different ways, they generate a high amount of ROS, which causes oxidative damage to mitochondria and biomacromolecules. Copper(II) complexes have been reported to have moderate to good binding affinity with DNA, mostly via intercalation.



$(1.1 \pm 0.1) \times 10^5$

$(1.2 \pm 0.1) \times 10^4$

ACCEPTED FOR PUBLICATION