Electronic Supplementary Material (ESI) for Inorganic Chemistry Frontiers.

DNA/protein binding, cytotoxicity, superoxide radical scavenging and molecular docking studies of copper(II) complexes containing *N*-benzyl-*N*′-aryl-*N*″-benzoylguanidine ligands

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Supplementary Information

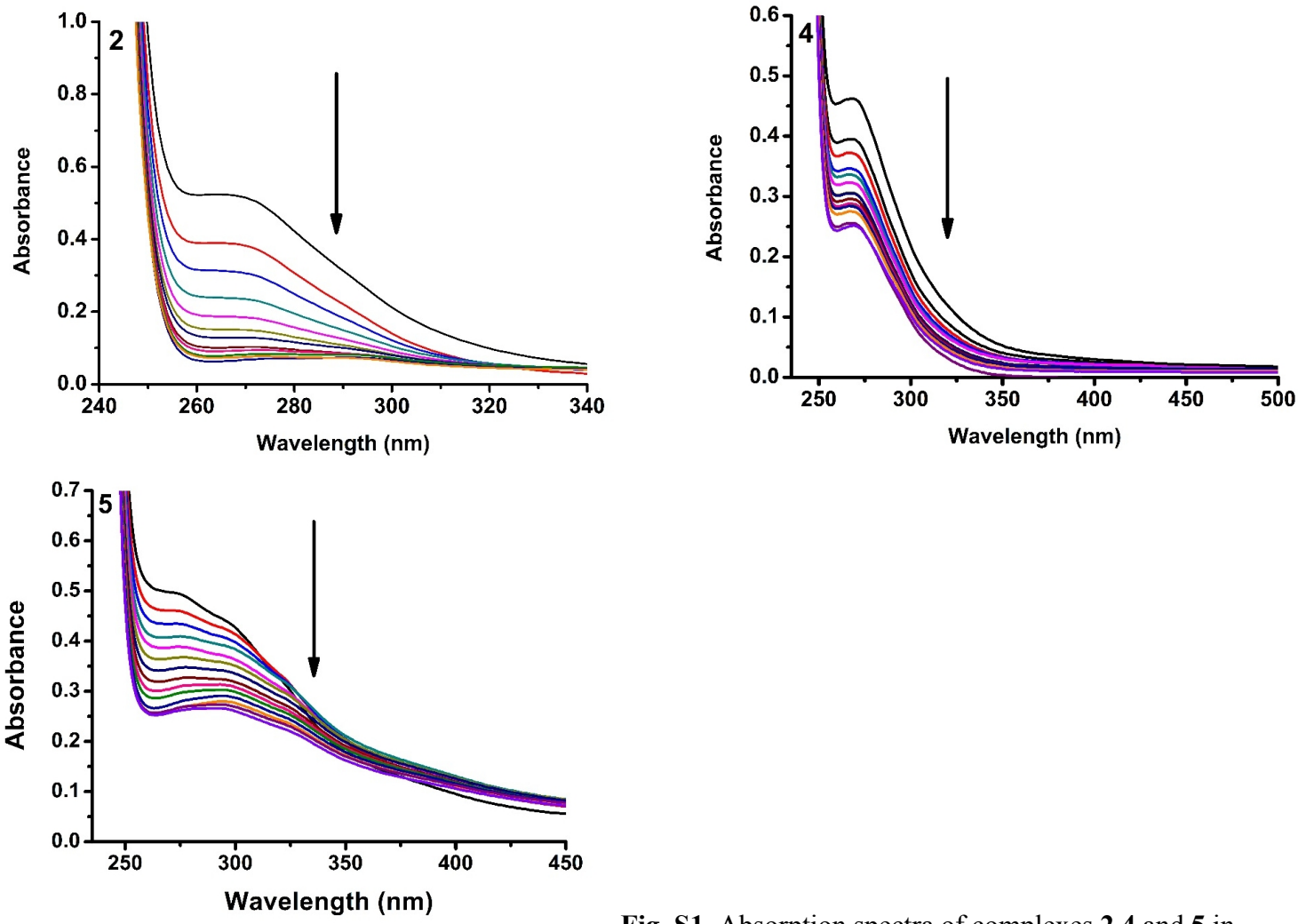
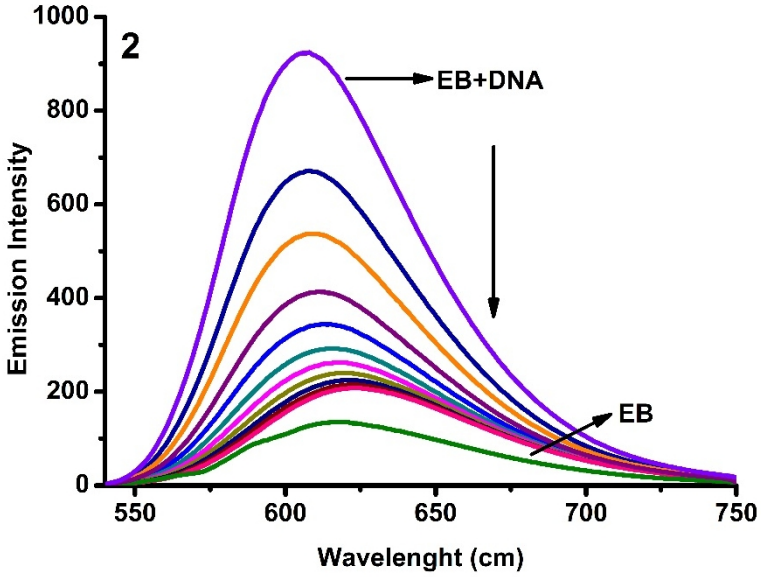
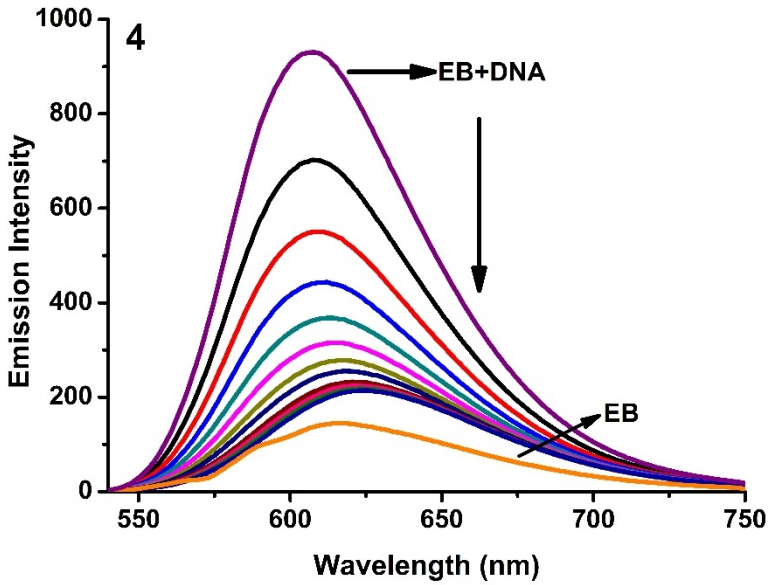


Fig. S1 Absorption spectra of complexes **2,4** and **5** in Tris-HCl buffer upon addition of CT DNA. [Complex] = 2.0×10^{-5} M, [DNA] = 0-40 μM. Arrow shows that the absorption intensities decrease upon increasing DNA concentration.





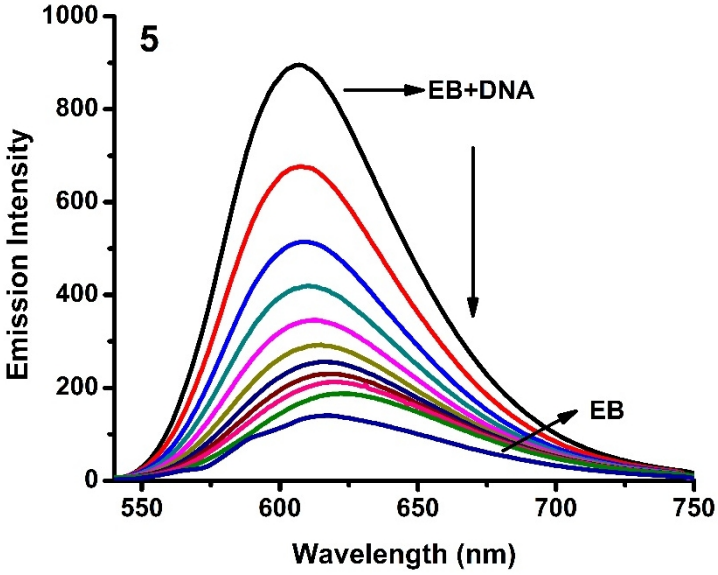
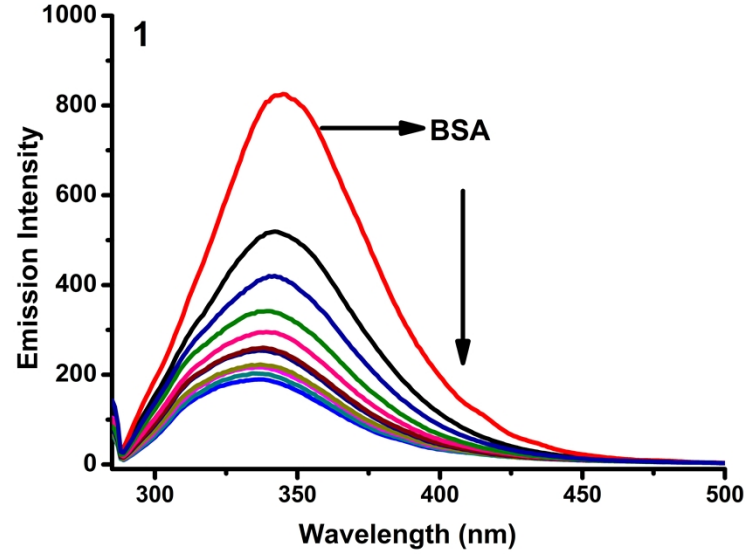
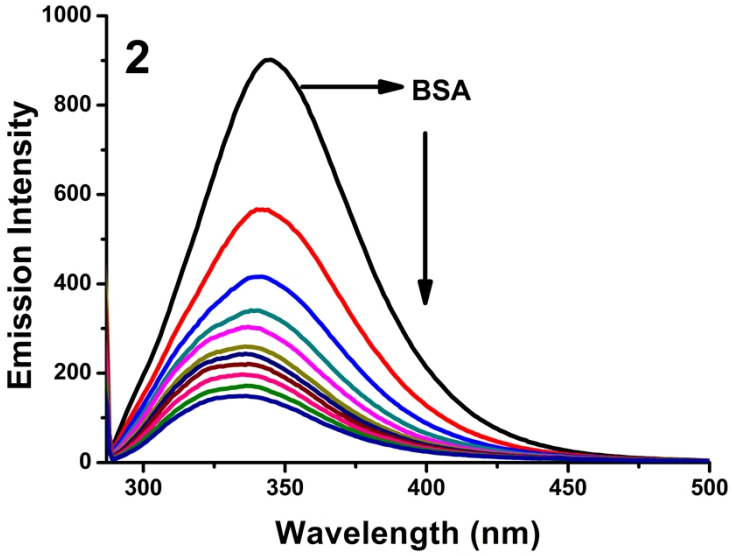


Fig. S2 Fluorescence quenching curves of EB bound to DNA in the presence of **2**, **4** and **3**. [DNA] = 5 μM, [EB] = 5 μM and [complex] = 0-25 μM.





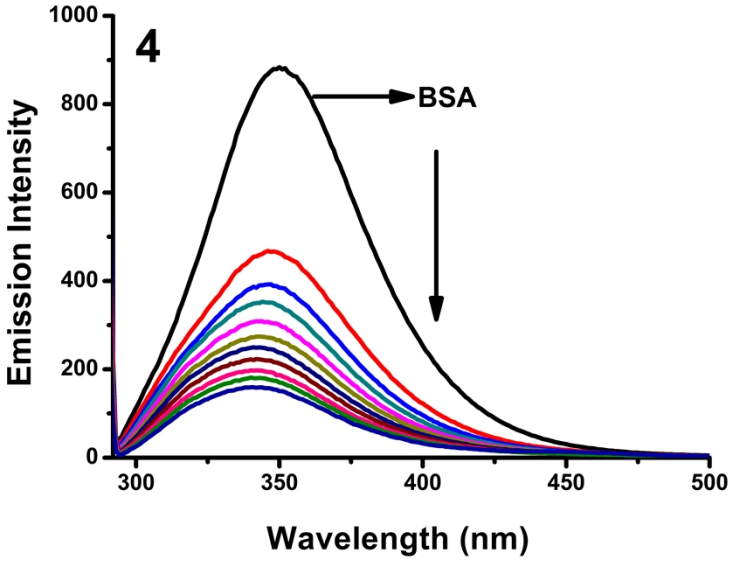


Fig. S3 Fluorescence quenching curves of BSA in the absence and presence of **1**, **2** and **4**. [BSA] = 1 μM and [complex] = 0-20 μM.

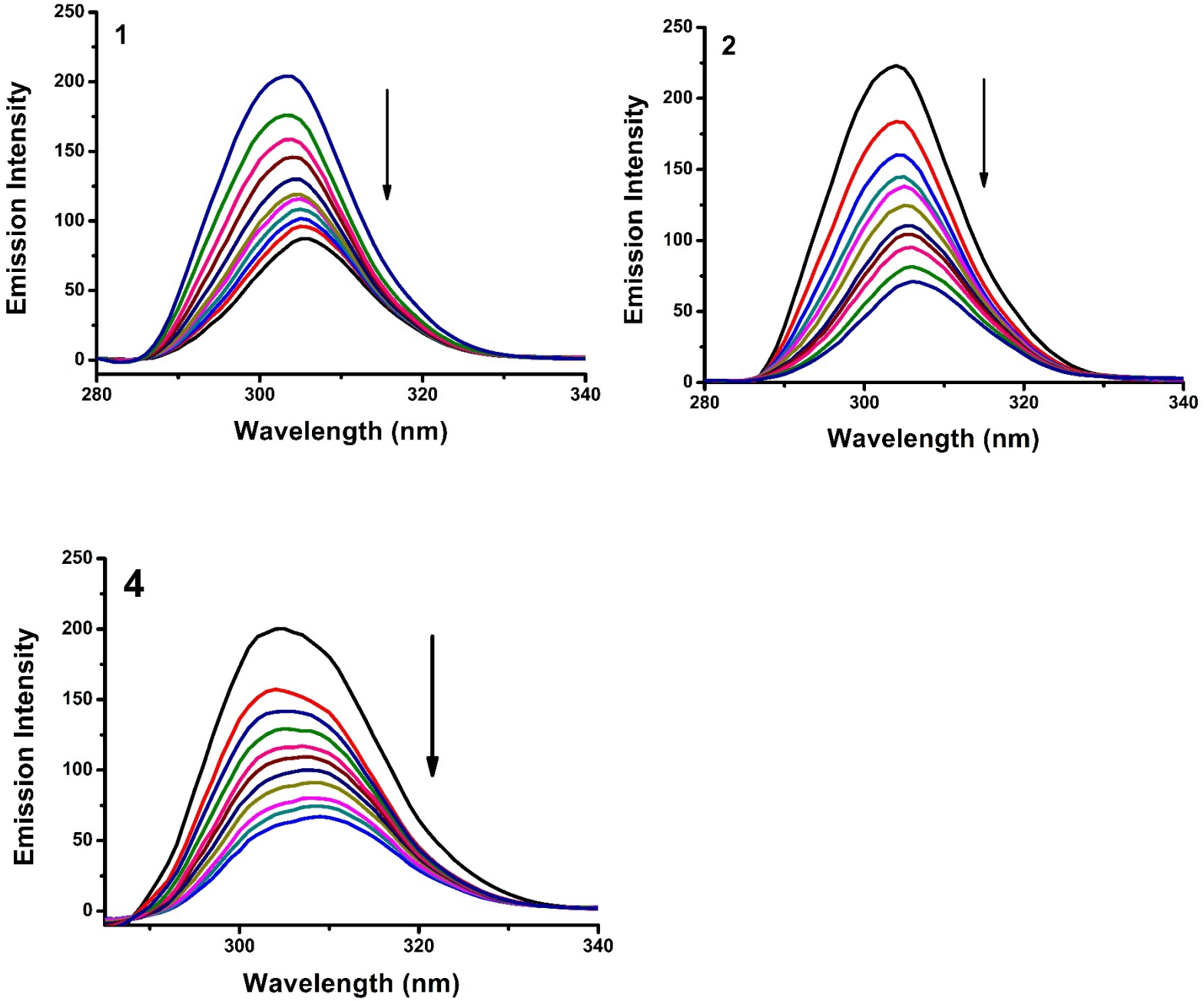


Fig. S4 Synchronous spectra of BSA (1 μM) as a function of concentration of **1**, **2** and **4** (0-20 μM) with Δλ = 15 nm.

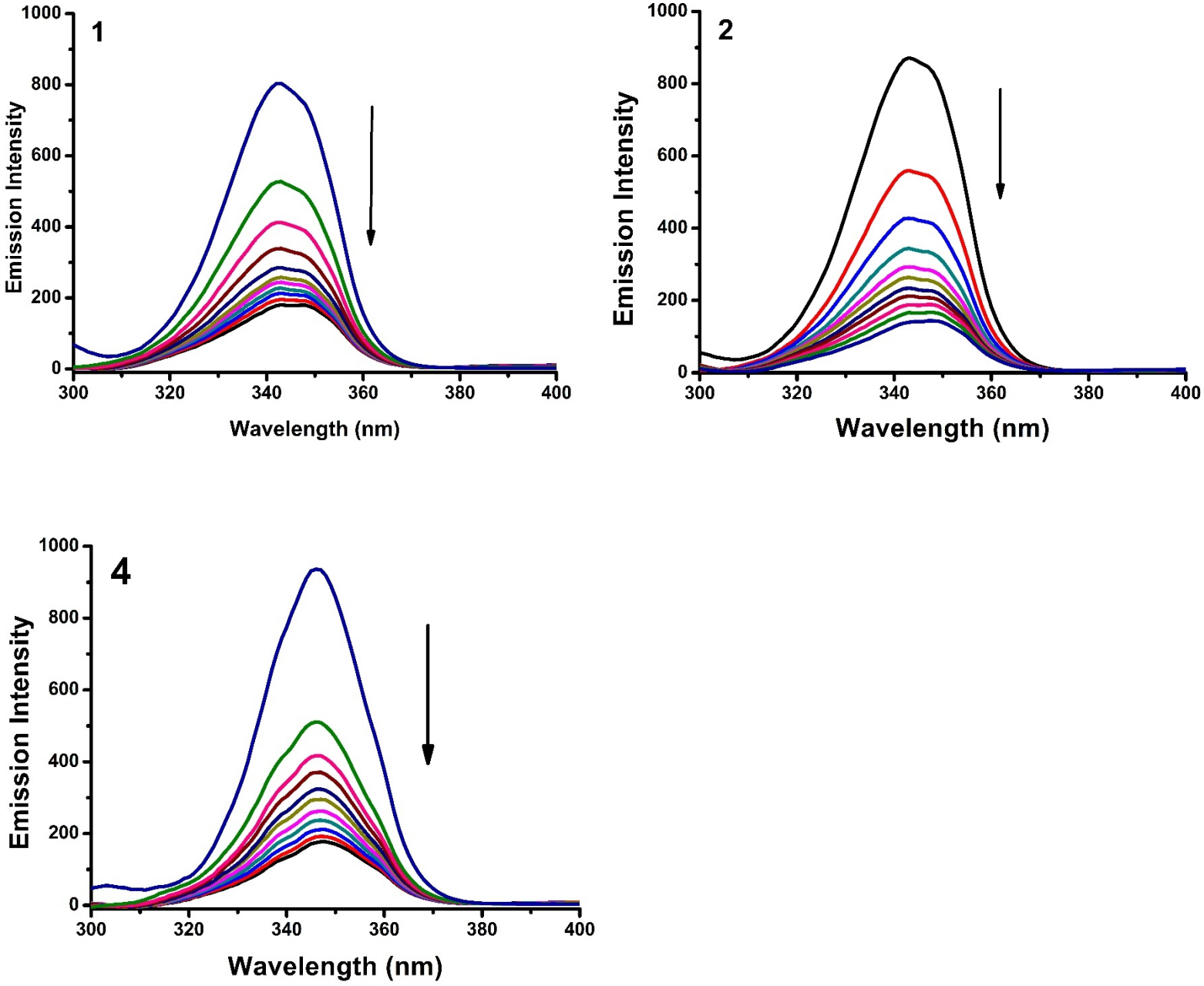


Fig. S5 Synchronous spectra of BSA (1 μM) as a function of concentration of **1**, **2** and **4** (0-20 μM) with $\Delta\lambda$ = 60 nm.

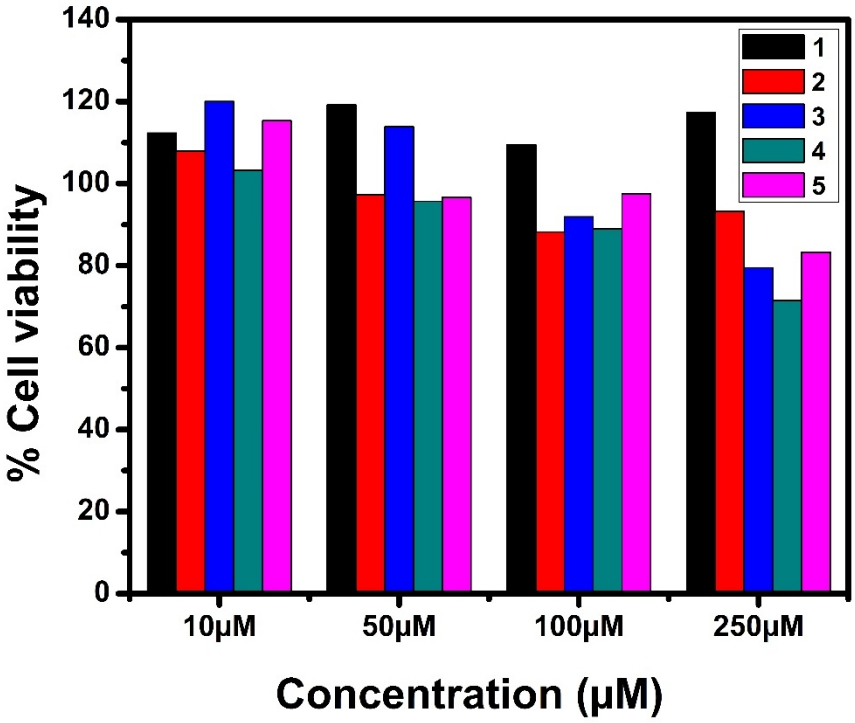


Fig. S6 Cytotoxicity of complexes **1**-**5** after 24 h incubation on normal 3T3 cell lines.