Supporting Information for

Ni(II) Complexes with Schiff Base Ligands: Preparation, Characterization, DNA/Protein Interaction and Cytotoxicity Studies

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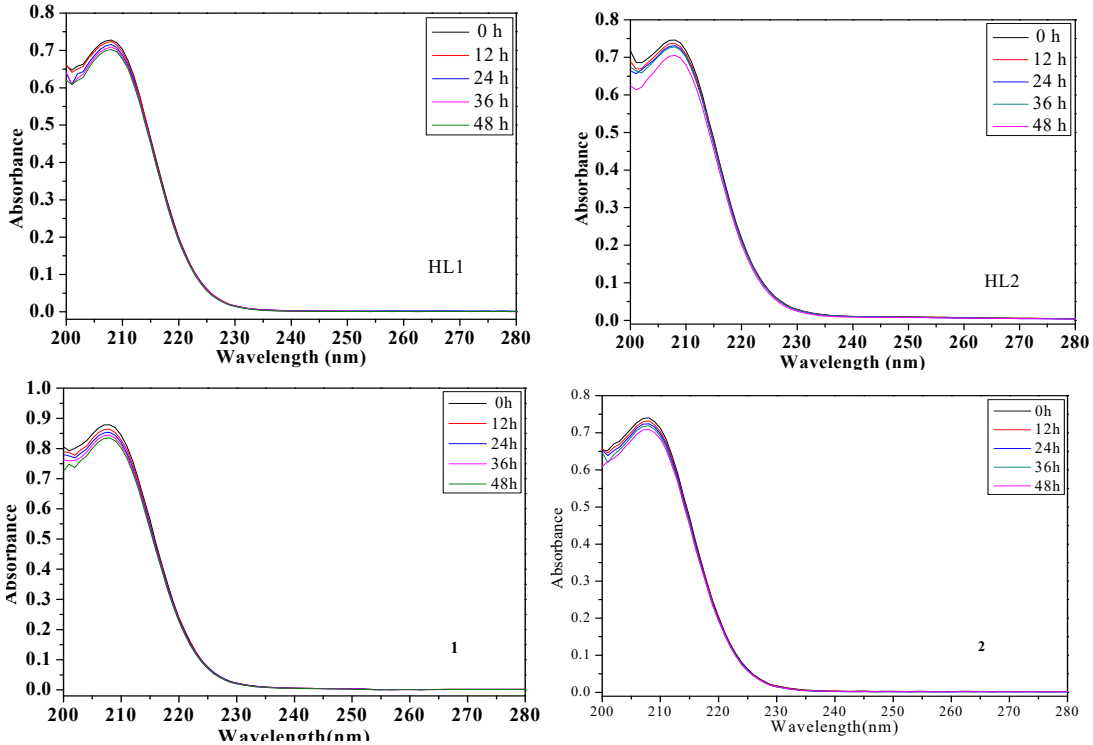

Figure S1. UV/Vis absorbance of HL1, HL2, **1**, and **2** in solution after standing in different times at ambient temperature.

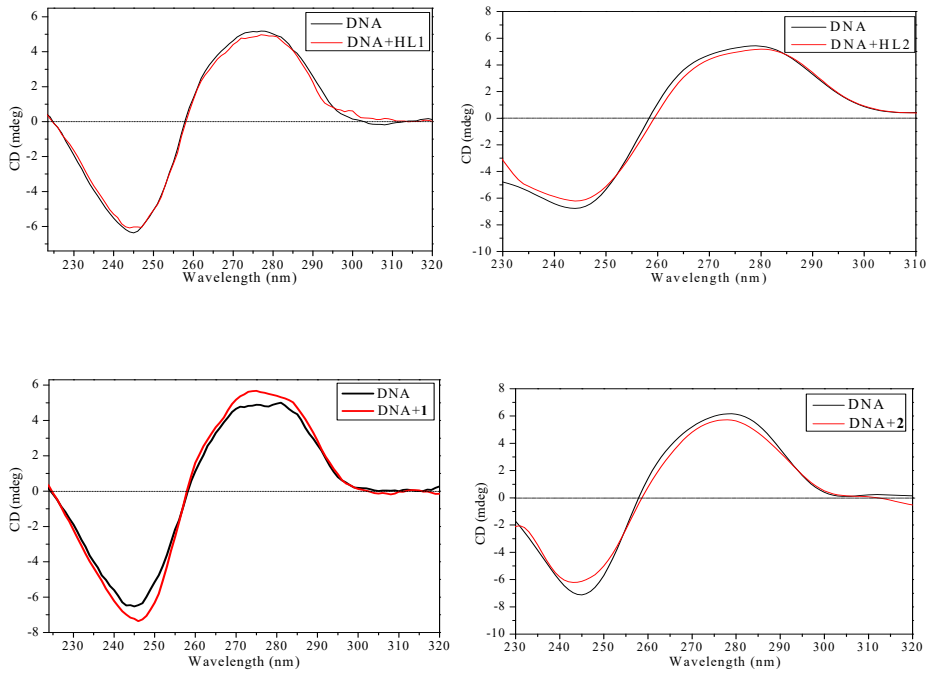

Figure S2. The CD spectra of CT-DNA in the buffer solution at 6.7×10^{-5} mol·L^{-1} in the absence and presence of 1.7×10^{-7} mol·L^{-1} HL1, HL2, **1**, and **2**.

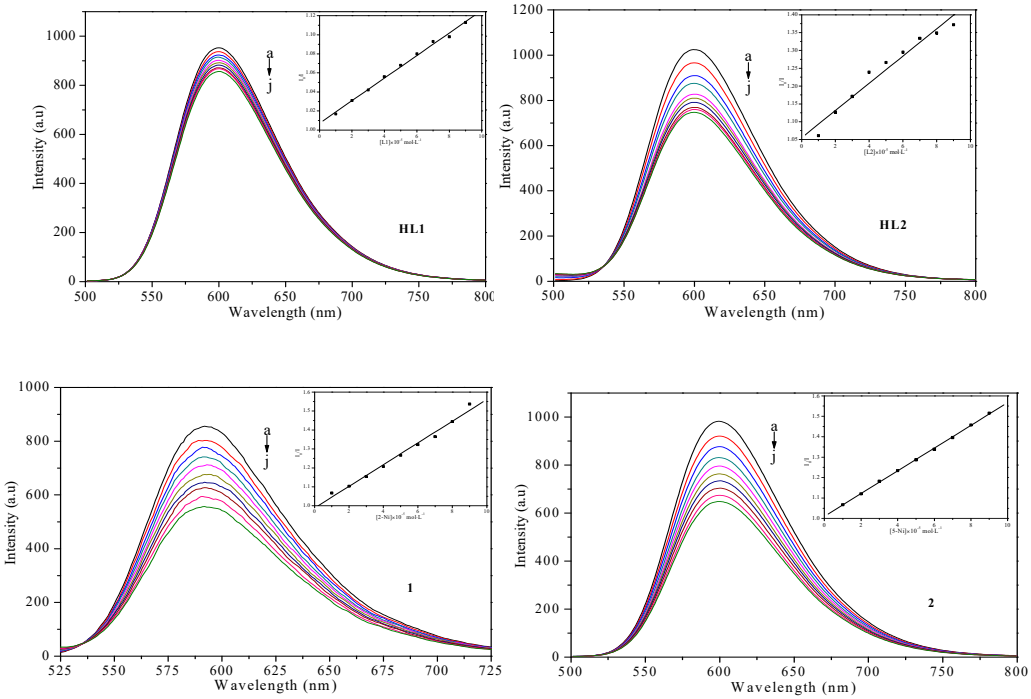

Figure S3. The Fluorescence quenching curves of GelRed bound to CT-DNA by HL1, HL2, **1**, and **2** (0-9.0 × 10^{-5} mol·L^{-1}) at room temperature. Insert: Plot of I_0/I versus [compound].

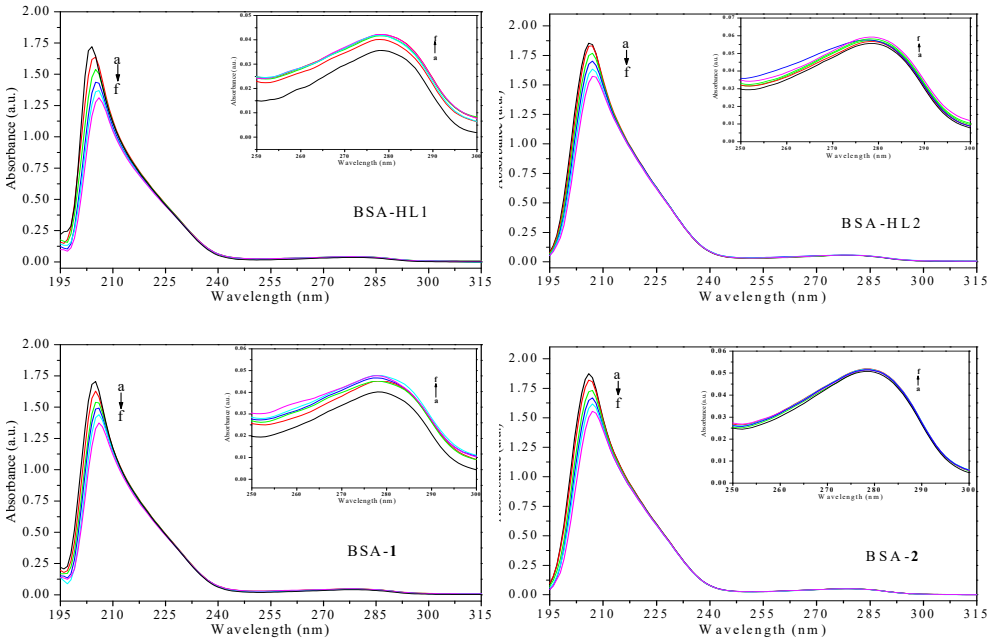

Figure S4. Absorption spectra of BSA (1.0 × 10^{-6} mol·L^{-1}) in the absence and presence of increasing amount of HL1, HL2, **1**, and **2**. The concentration of HL1, HL2, **1**, and **2** were varied from 0 to 1.0 × 10^{-8},2.0 × 10^{-8}, 3.0 × 10^{-8}, 4.0 × 10^{-8} and 5.0 × 10^{-8} mol·L^{-1} respectively, as a step of 1 ×10^{-8} mol·L^{-1}.

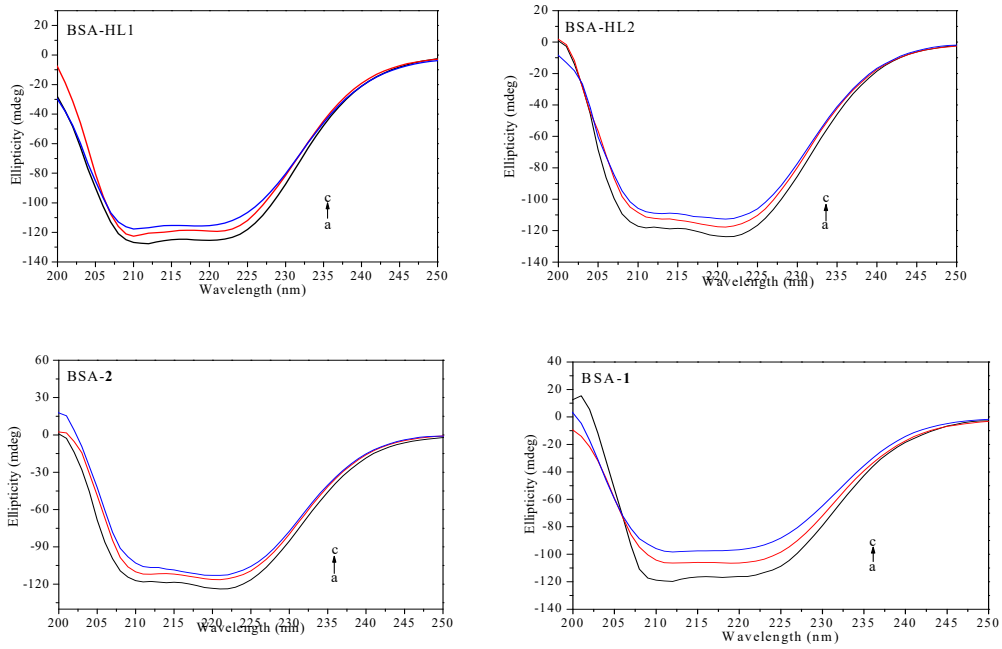

Figure S5. The CD spectra of BSA (1.0×10^{-6} mol·L^{-1}) in the absence and presence of increasing amount of HL1, HL2, **1**, and **2**. From a to c, the ratios of [BSA] : [complex] were 1: 0, 1: 0.5 and 1:1.

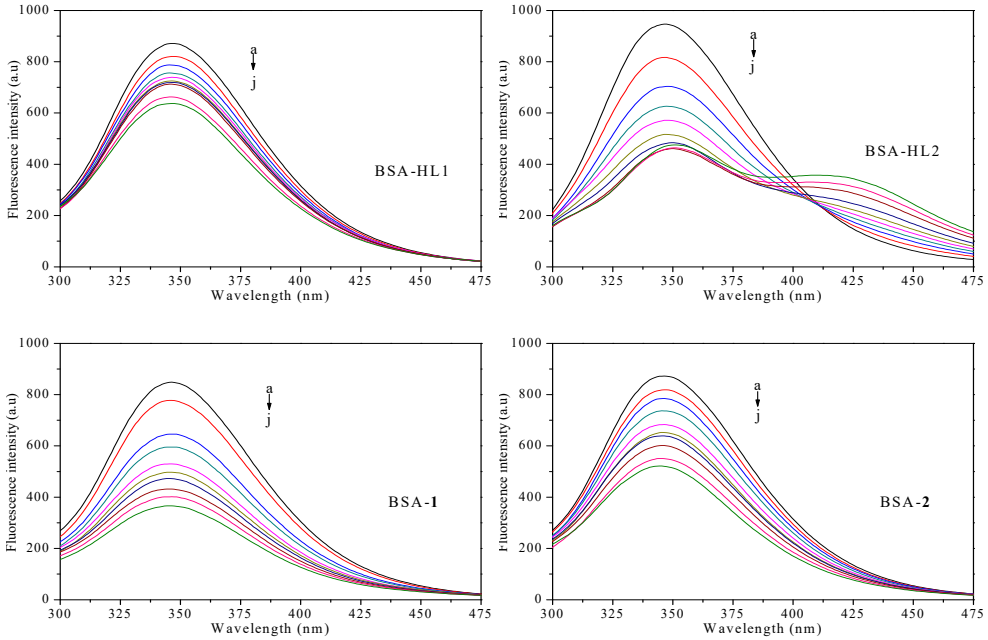

Figure S6. Emission spectra of BSA in the absence and the presence of HL1, HL2, **1**, and **2**at various concentrations, T = 290 K and BSA concentration was 1.0×10^{-6} mol·L^{-1}. From a to j, the concentrations of HL1, HL2, **1**, and **2** were varied from 0 to 3.0×10^{-6} mol·L^{-1}, as a step of 3.0×10^{-7} mol·L^{-1}.