

Figure S1. IR spectra of HQSMP (A) and complexes **1** (B), **2** (C), **3** (D) and **4** (E)

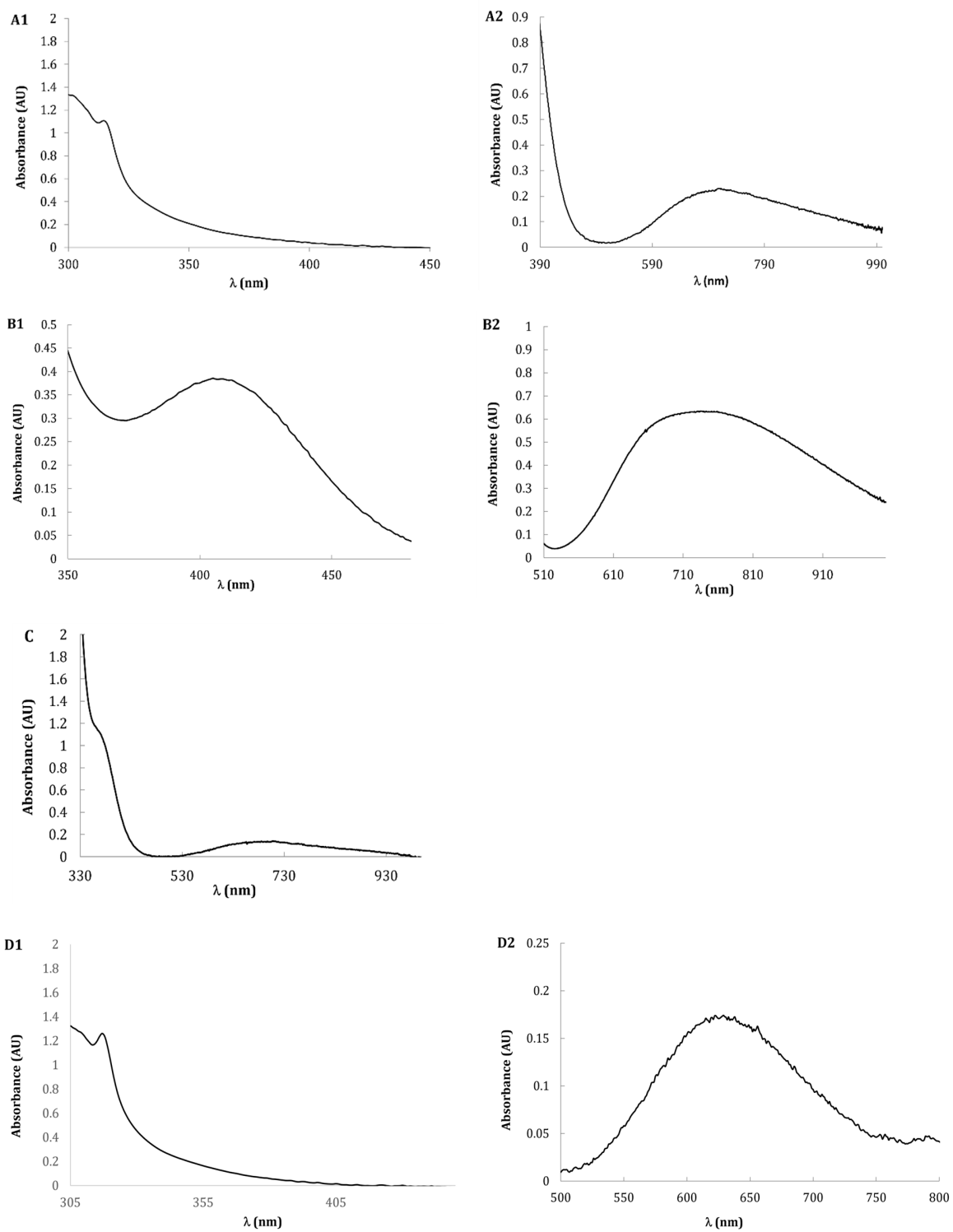


Figure S2. UV-Vis spectra of complexes **1** (A1, A2), **2** (B1, B2), **3** (C) and **4** (D1, D2) in DMF solution

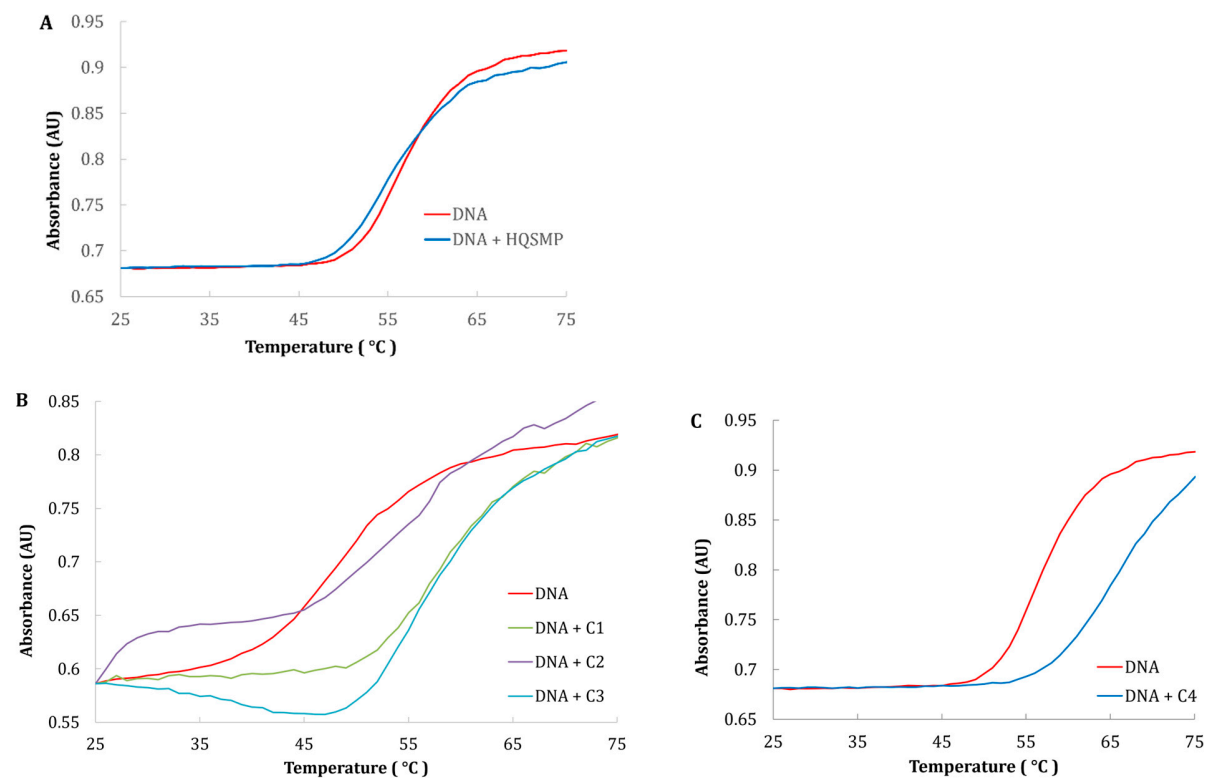


Figure S3. DNA melting curves in the absence and in the presence of HQSMR (A) and complexes **1**, **2**, **3** (B) and **4** (C)

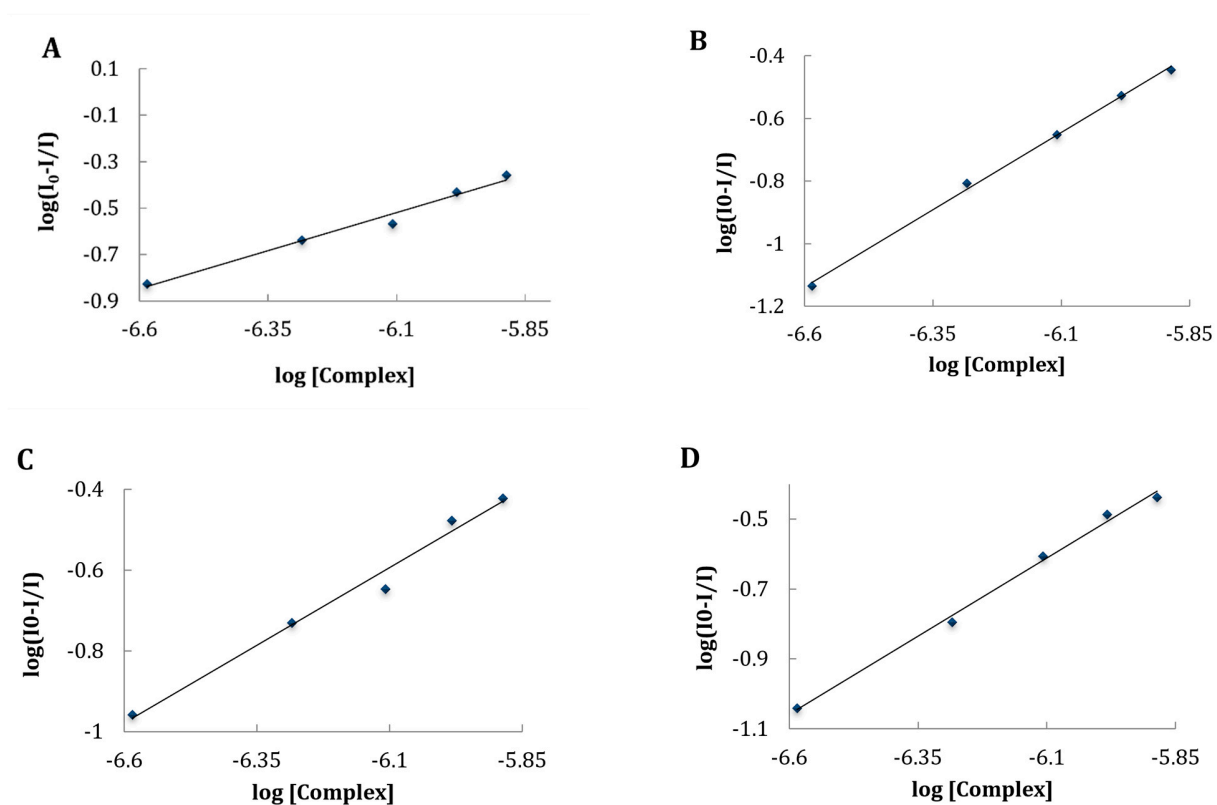


Figure S4. BSA binding data presented in the form of $\log(I_0 - I/I)$ vs. $\log[\text{complex}]$ for complexes **1** (A), **2** (B), **3** (C) and **4** (D)

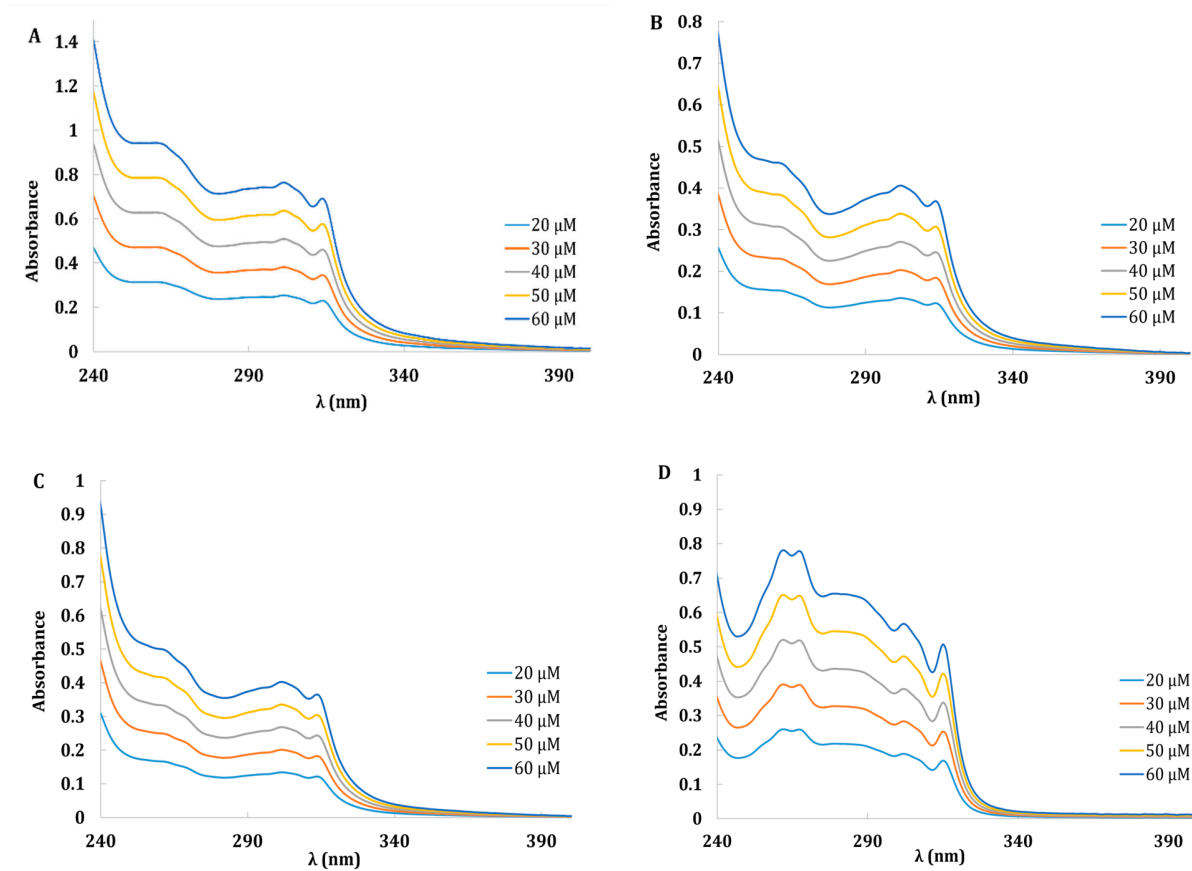


Figure S5. UV-Vis spectra of complexes **1** (A), **2** (B), **3** (C) and **4** (D) in cacodylate buffer with 1% DMF. Molar extinction coefficients at 280 nm: $\epsilon_{C1} = 12020 \text{ cm}^{-1}\text{M}^{-1}$; $\epsilon_{C2} = 5729 \text{ cm}^{-1}\text{M}^{-1}$; $\epsilon_{C3} = 6013 \text{ cm}^{-1}\text{M}^{-1}$; $\epsilon_{C4} = 11018 \text{ cm}^{-1}\text{M}^{-1}$;

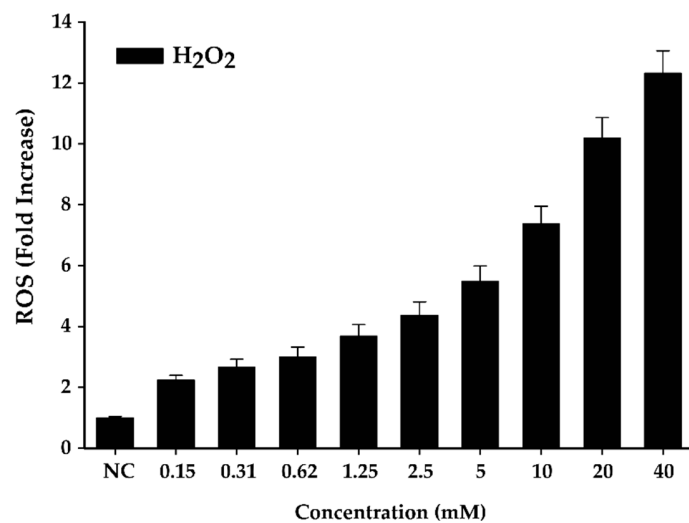


Figure S6. Induction of ROS in A549 cells after 2 h of incubation with H₂O₂. The results are expressed as the fold increase of cell fluorescence compared to the negative control (NC). The results are expressed as relative means \pm standard deviations (six technical replicates for each of the three biological replicates)