

Supplementary Material

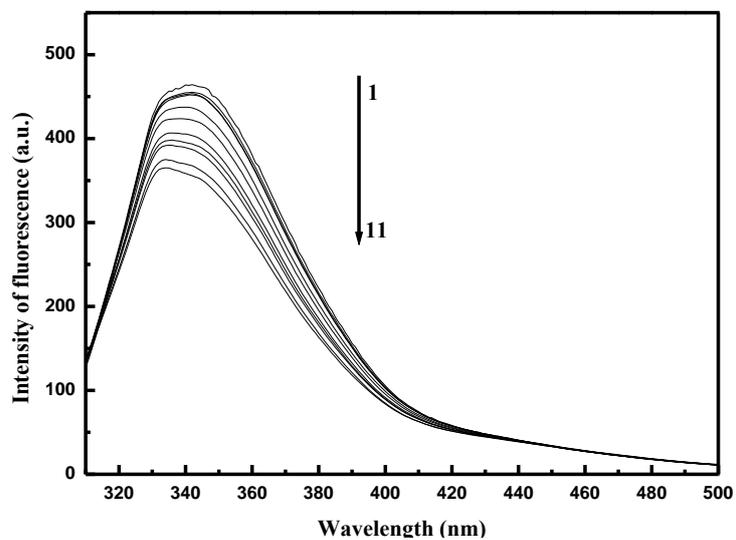


Figure S1 Quenching of fluorescence of HSA after binding EPX. $c(\text{HSA}) = 2 \times 10^{-6} \text{ mol/L}$;
 $c(\text{EPX}) = 2 \times 10^{-6} \text{ mol/L} - 32 \times 10^{-6} \text{ mol/L}$ (1-11).

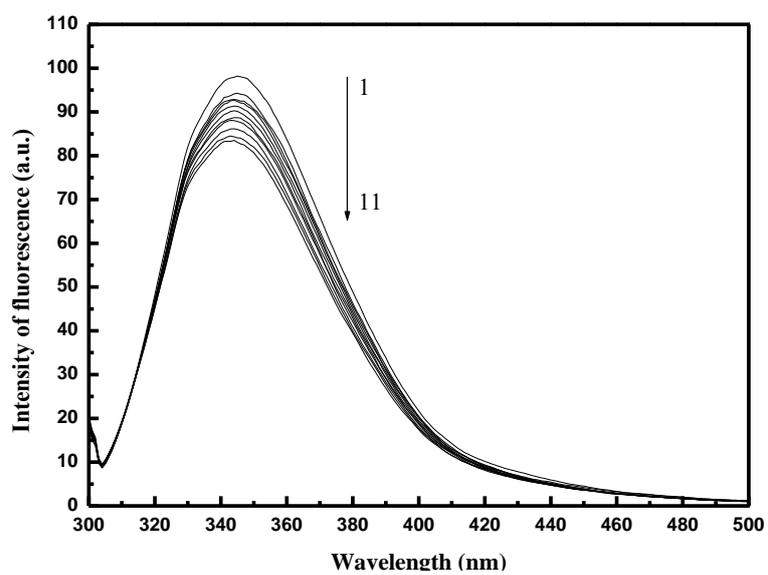


Figure S2 Quenching of fluorescence of BSA after binding EPX. $c(\text{BSA}) = 2 \times 10^{-6} \text{ mol/L}$;
 $c(\text{EPX}) = 2 \times 10^{-6} \text{ mol/L} - 32 \times 10^{-6} \text{ mol/L}$ (1-11).

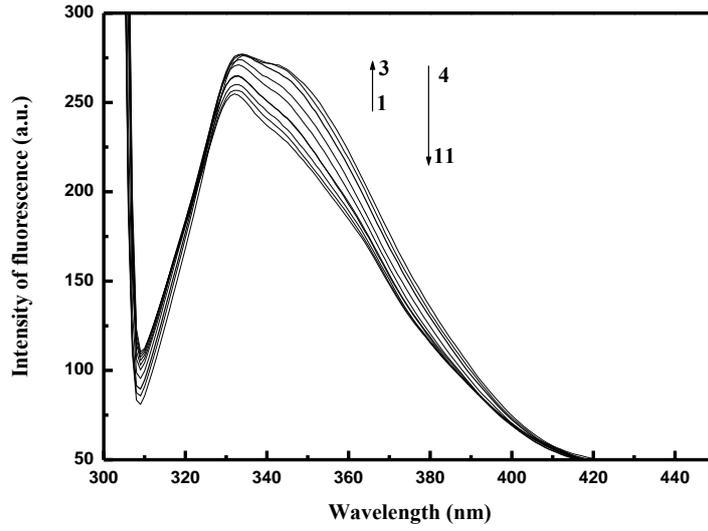


Figure S3 Quenching of fluorescence of HSA after binding PTC. $c(\text{HSA}) = 2 \times 10^{-6} \text{ mol/L}$;
 $c(\text{PTC}) = 2 \times 10^{-6} \text{ mol/L} - 32 \times 10^{-6} \text{ mol/L}$ (1-11).

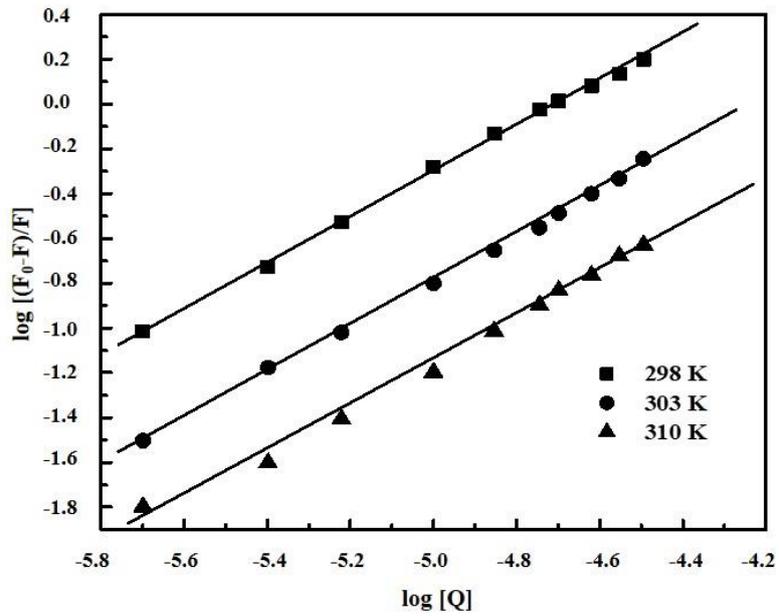


Figure S4 Hill plot for EPX/HSA interaction. $T = 298 \text{ K}, 303 \text{ K}$ and 310 K .

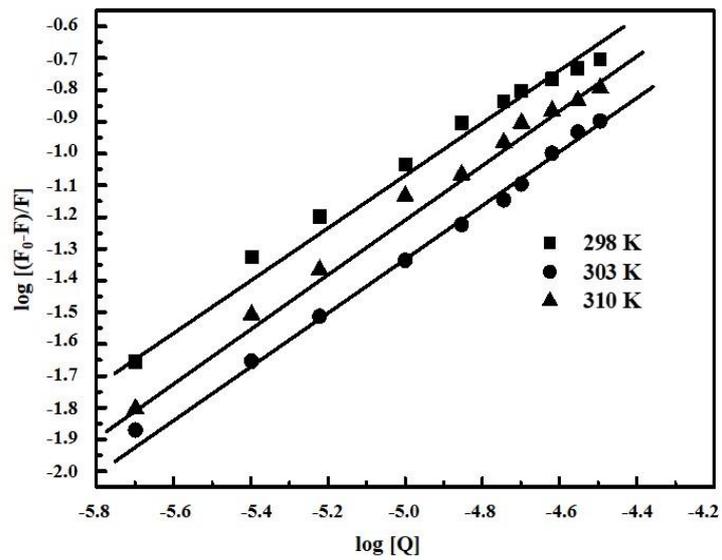


Figure S5 Hill plot for EPX/BSA interaction. $T = 298$ K, 303 K and 310 K.

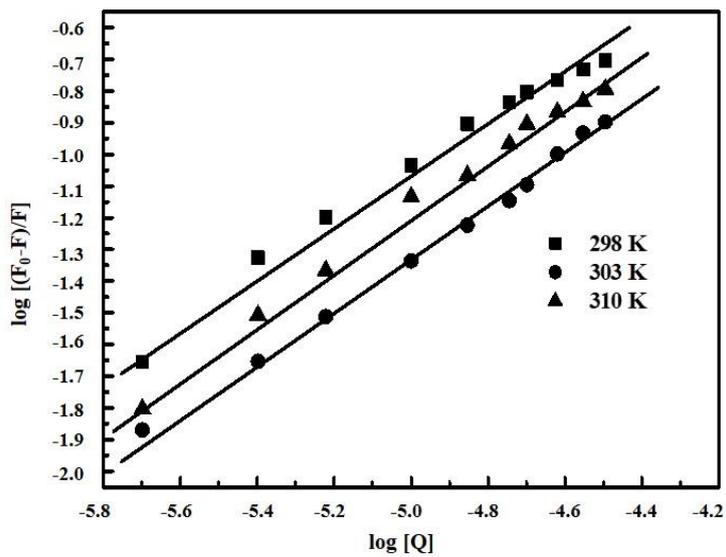


Figure S6 Hill plot for PTC/HSA interaction. $T = 298$ K, 303 K and 310 K.

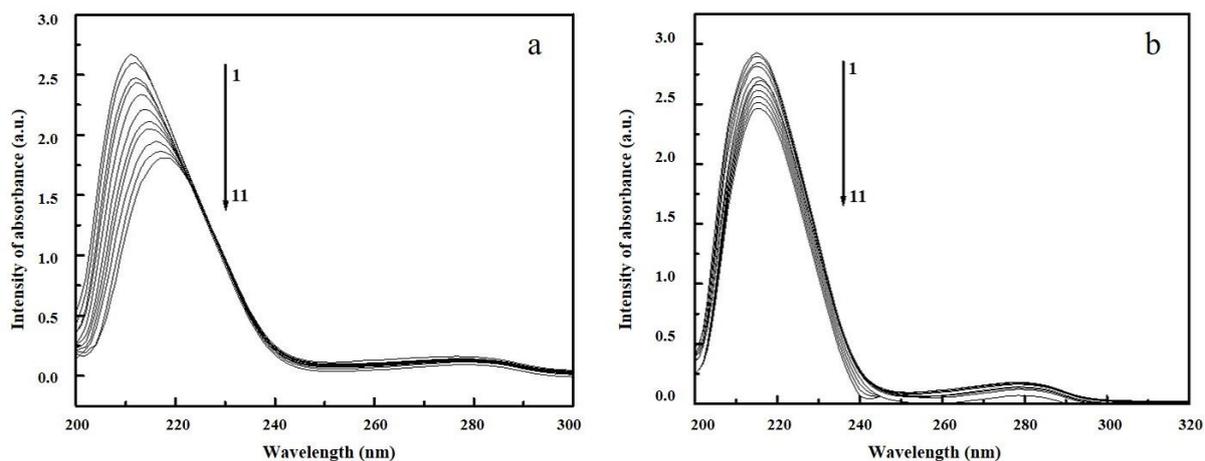


Figure 7. UV/VIS absorption spectra of BSA in the presence of EPX (a) and PTC (b). $c(\text{BSA}) = 2 \times 10^{-6} \text{ mol/L}$; $c(\text{EPX, PTC}) = 2 \times 10^{-6} \text{ mol/L} - 32 \times 10^{-6} \text{ mol/L}$ (1-11).

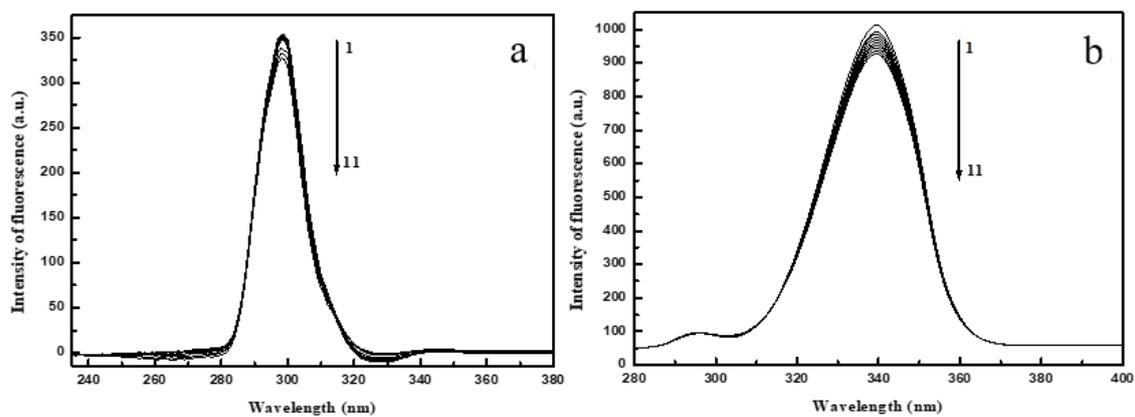


Figure S8 The synchronous spectra of Tyr (a) and Trp (b) of HSA in the presence of EPX. $c(\text{HSA}) = 2 \times 10^{-6} \text{ mol/L}$; $c(\text{EPX}) = 2 \times 10^{-6} \text{ mol/L} - 32 \times 10^{-6} \text{ mol/L}$ (1-11)

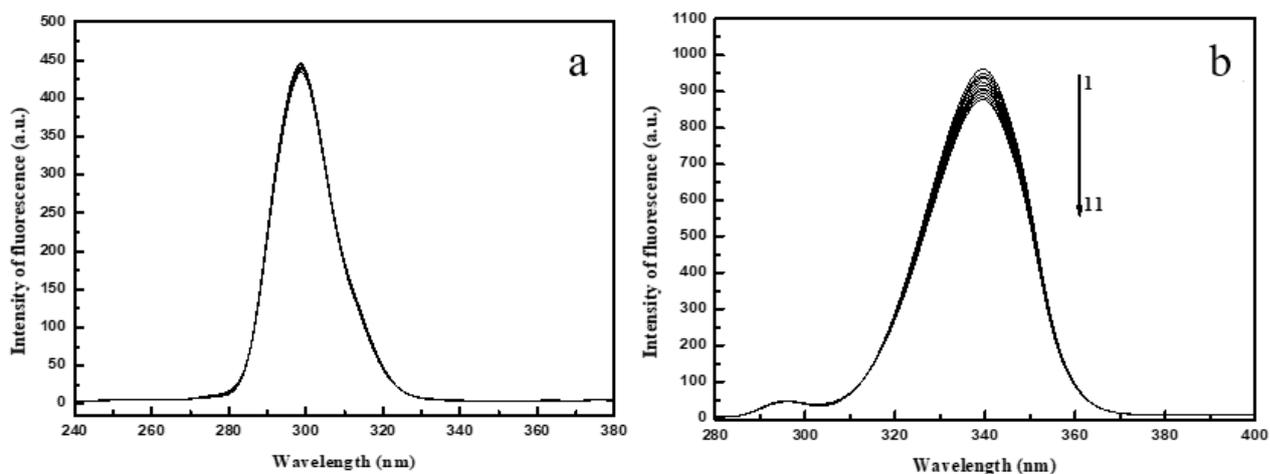


Figure S9 The synchronous spectra of Tyr (a) and Trp (b) of BSA in the presence of EPX. $c(\text{BSA}) = 2 \times 10^{-6} \text{ mol/L}$; $c(\text{EPX}) = 2 \times 10^{-6} \text{ mol/L} - 32 \times 10^{-6} \text{ mol/L}$ (1-11)

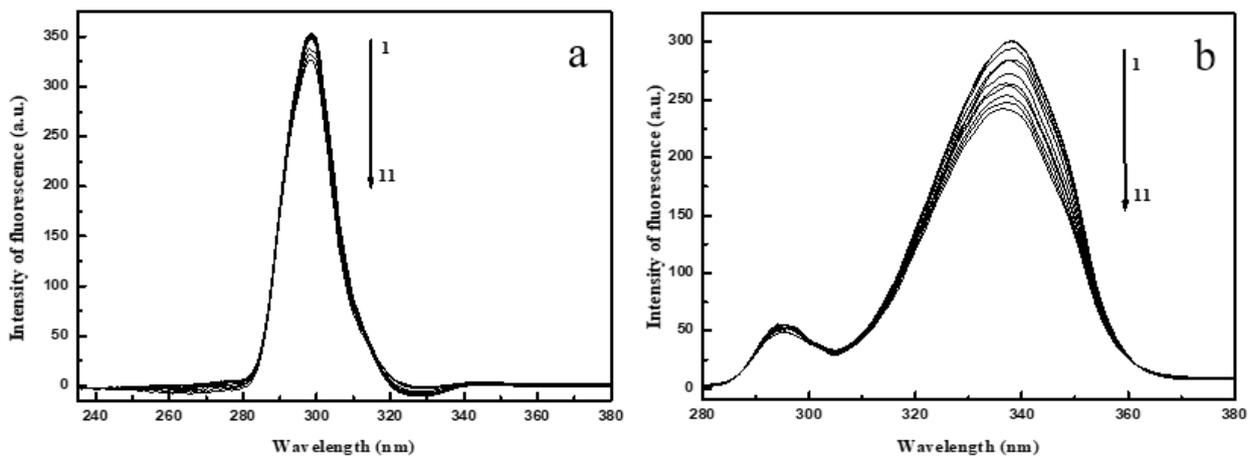


Figure S10 The synchronous spectra of Tyr (a) and Trp (b) of HSA in the presence of PTC. $c(\text{HSA}) = 2 \times 10^{-6}$ mol/L; $c(\text{PTC}) = 2 \times 10^{-6}$ mol/L– 32×10^{-6} mol/L (1–11)

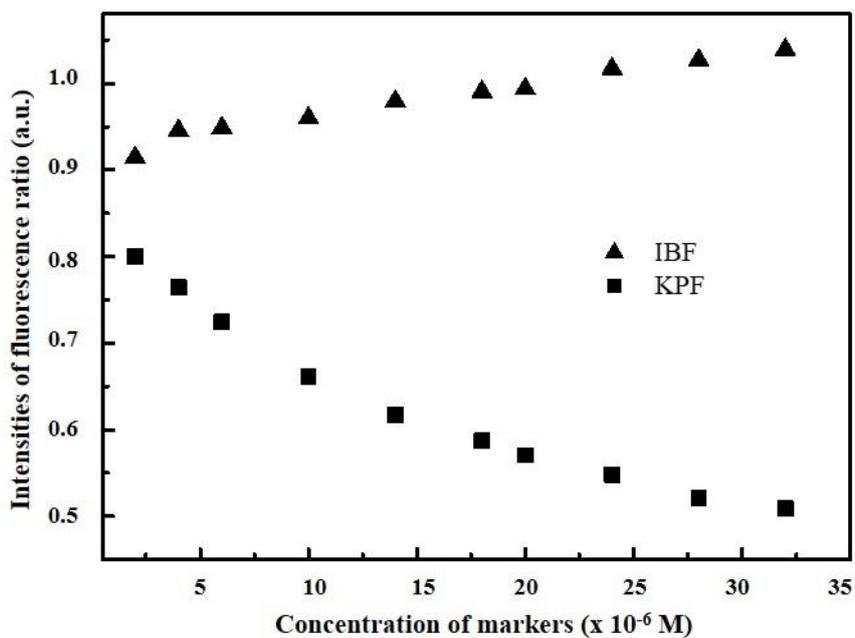


Figure S11 Intensities of fluorescence ratio of EPX/HSA complex in the presence of KPF and IBF markers

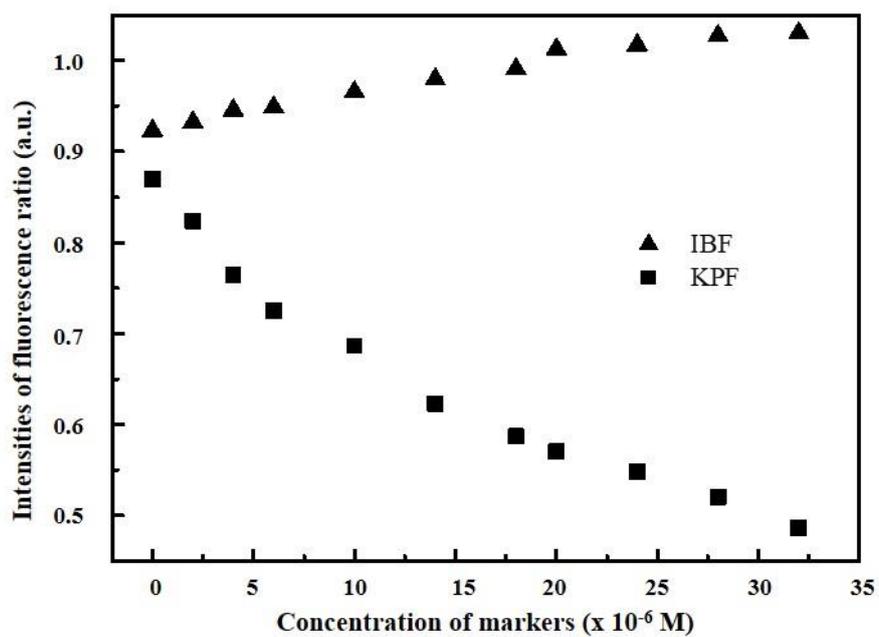


Figure S12 Intensities of fluorescence ratio of EPX/BSA complex in the presence of KPF and IBF markers

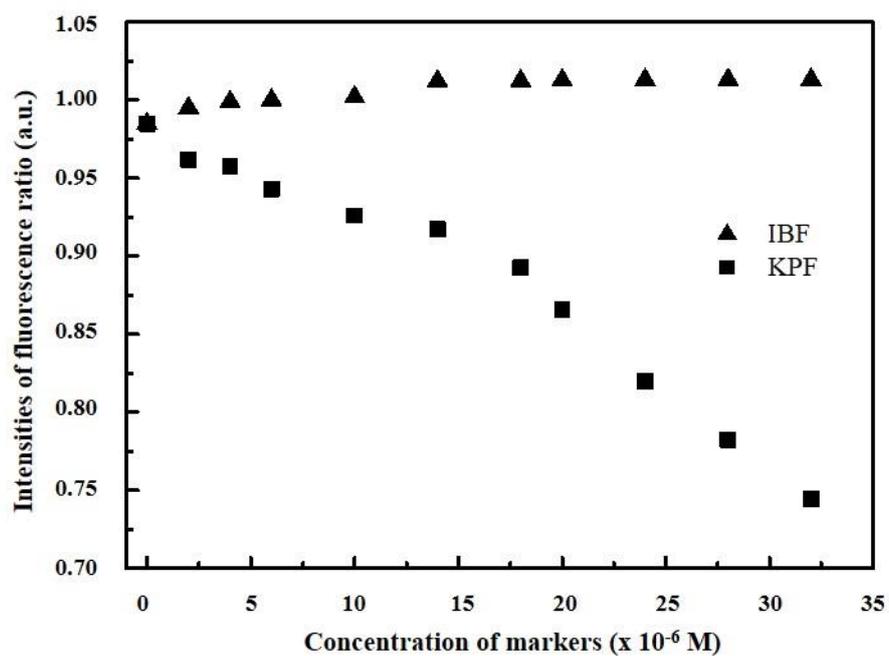


Figure S13 Intensities of fluorescence ratio of PTC/HSA complex in the presence of KPF and IBF markers

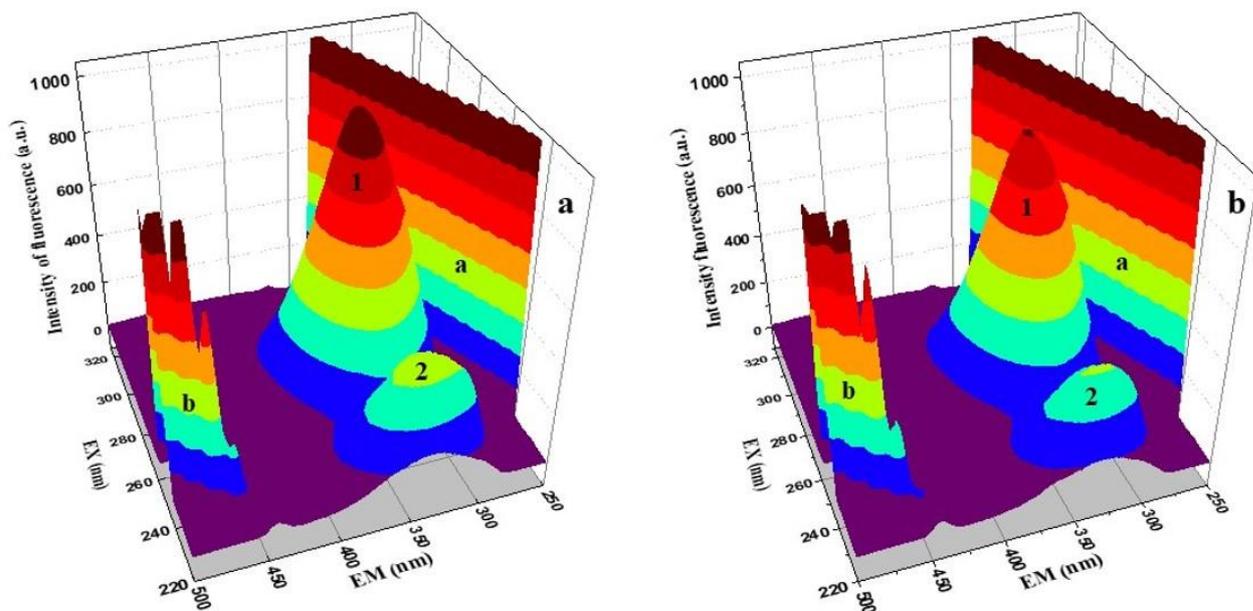


Figure S14 3D fluorescence spectra of HSA (a) and EPX/HSA 16/1 (b) complex

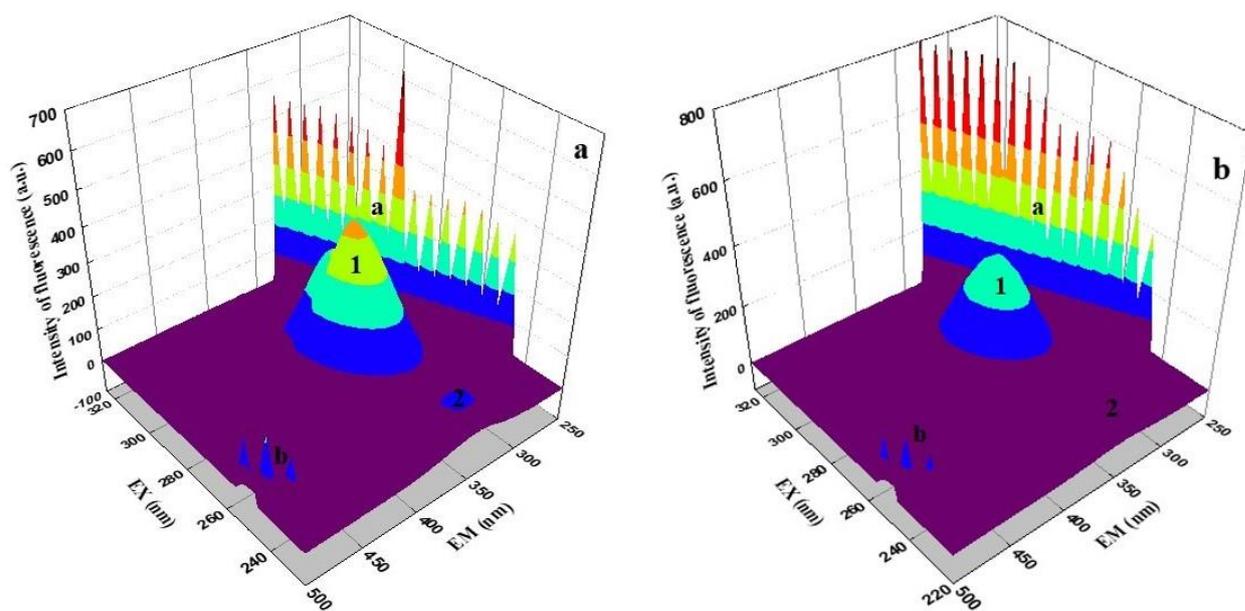


Figure S15 3D fluorescence spectra of BSA (a) and EPX/BSA 16/1 (b) complex

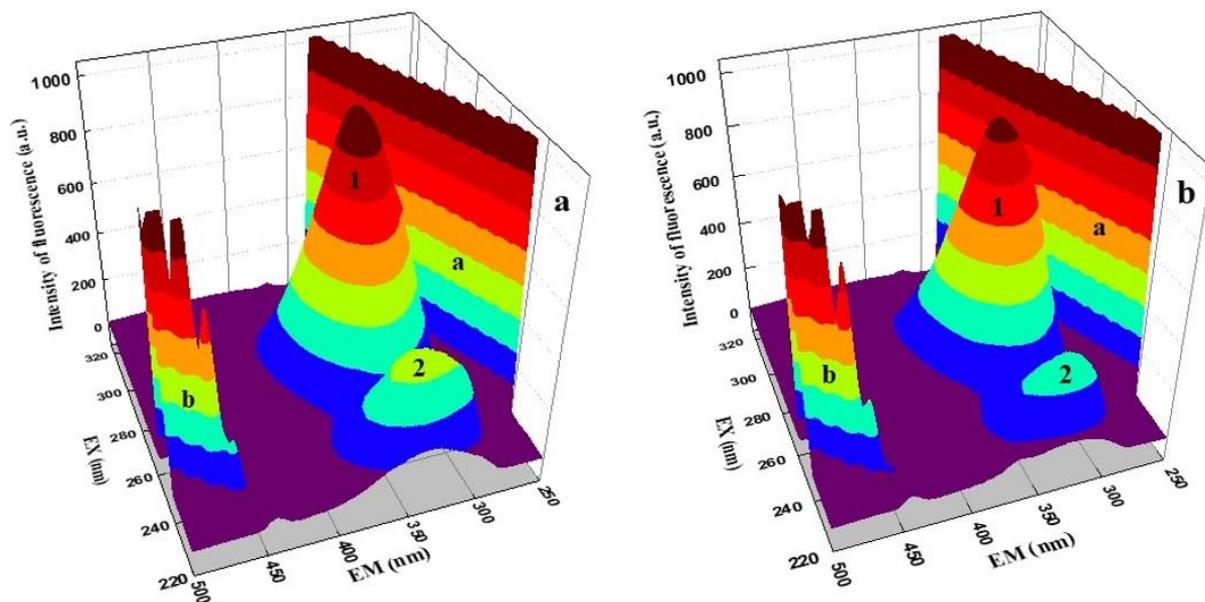


Figure S16 3D fluorescence spectra of HSA (a) and PTC/HSA 16/1 (b) complex

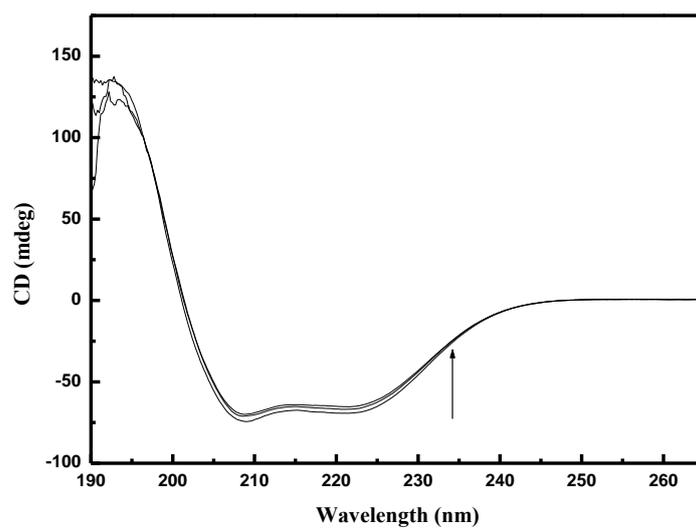


Figure S17 CD spectra of HSA in the presence of EPX

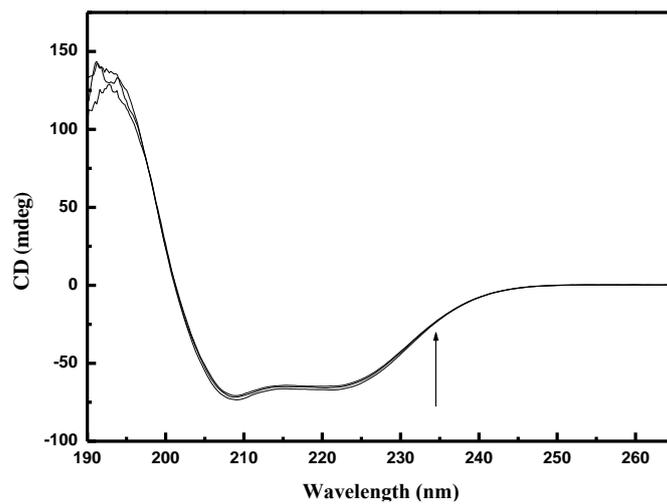


Figure S18 CD spectra of BSA in the presence of EPX

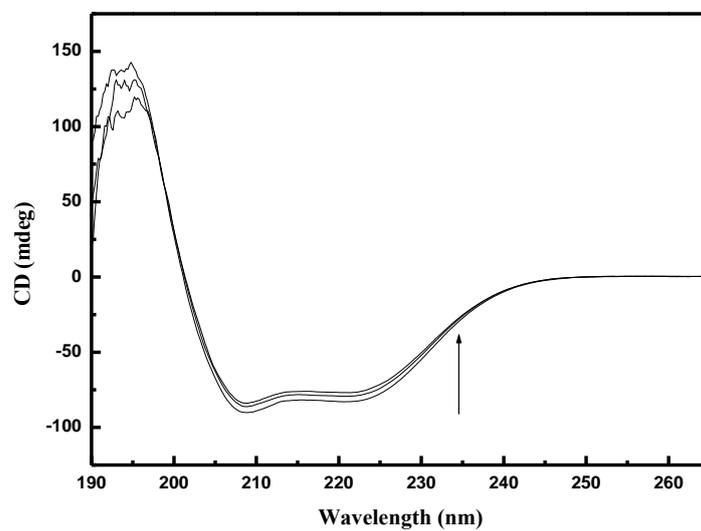


Figure S19 CD spectra of HSA in the presence of PTC