Electronic Supplementary Material (ESI) for Photochemical & Photobiological Sciences.

Excited State Proton Transfer of 2-(2'-Hydroxyphenyl)benzimidazole and Its Nitrogen Substituted Analogues in Bovine Serum Albumin

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Supplementary Information

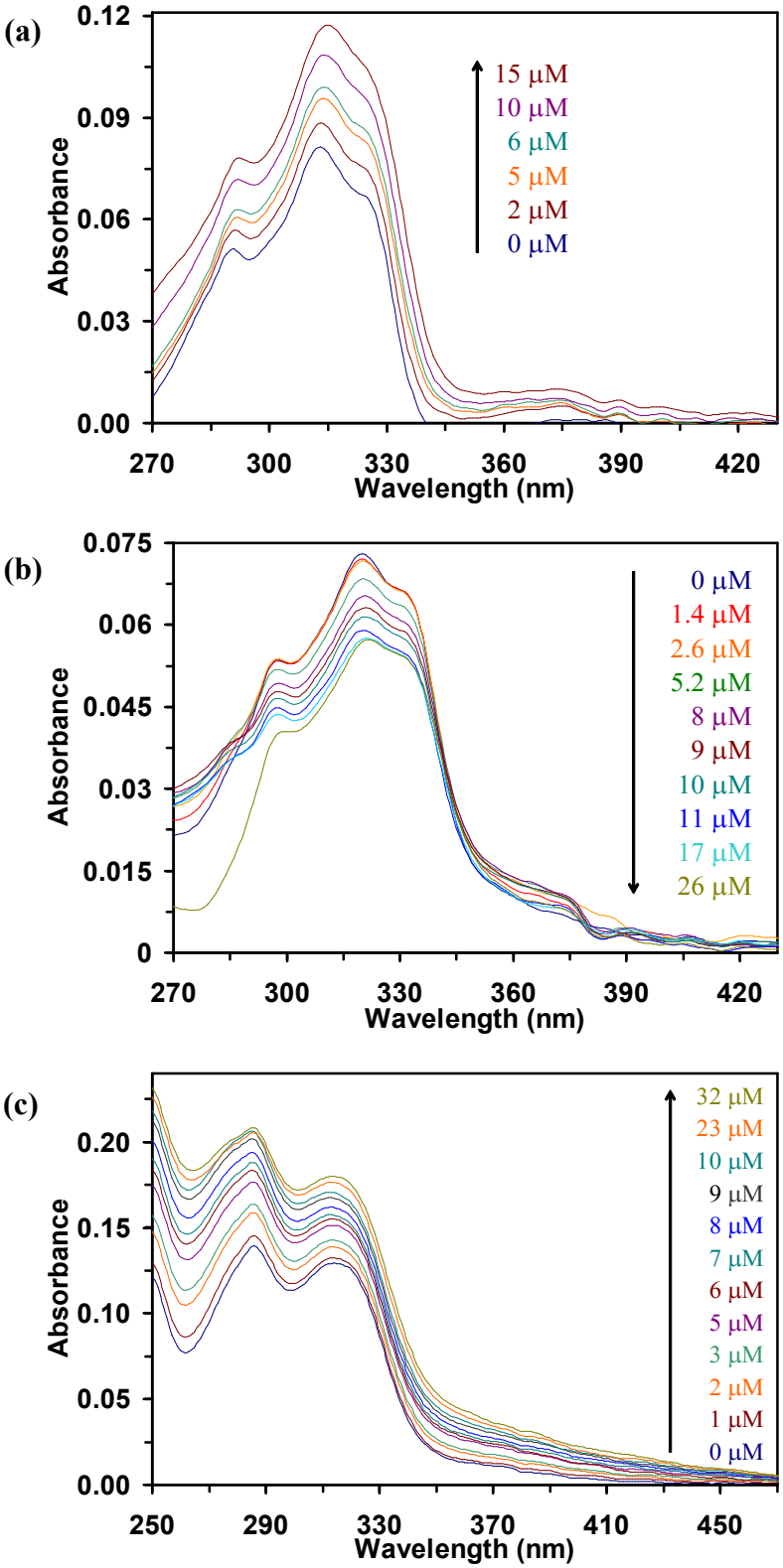


Figure S1. Absorption spectra of (a) HPBI, (b) HPIP-b, and (c) HPIP-c in presence of BSA measured at room temperature (298 ± 2K). The ligand concentration and cell path were 5 µM and 1 cm, respecively.

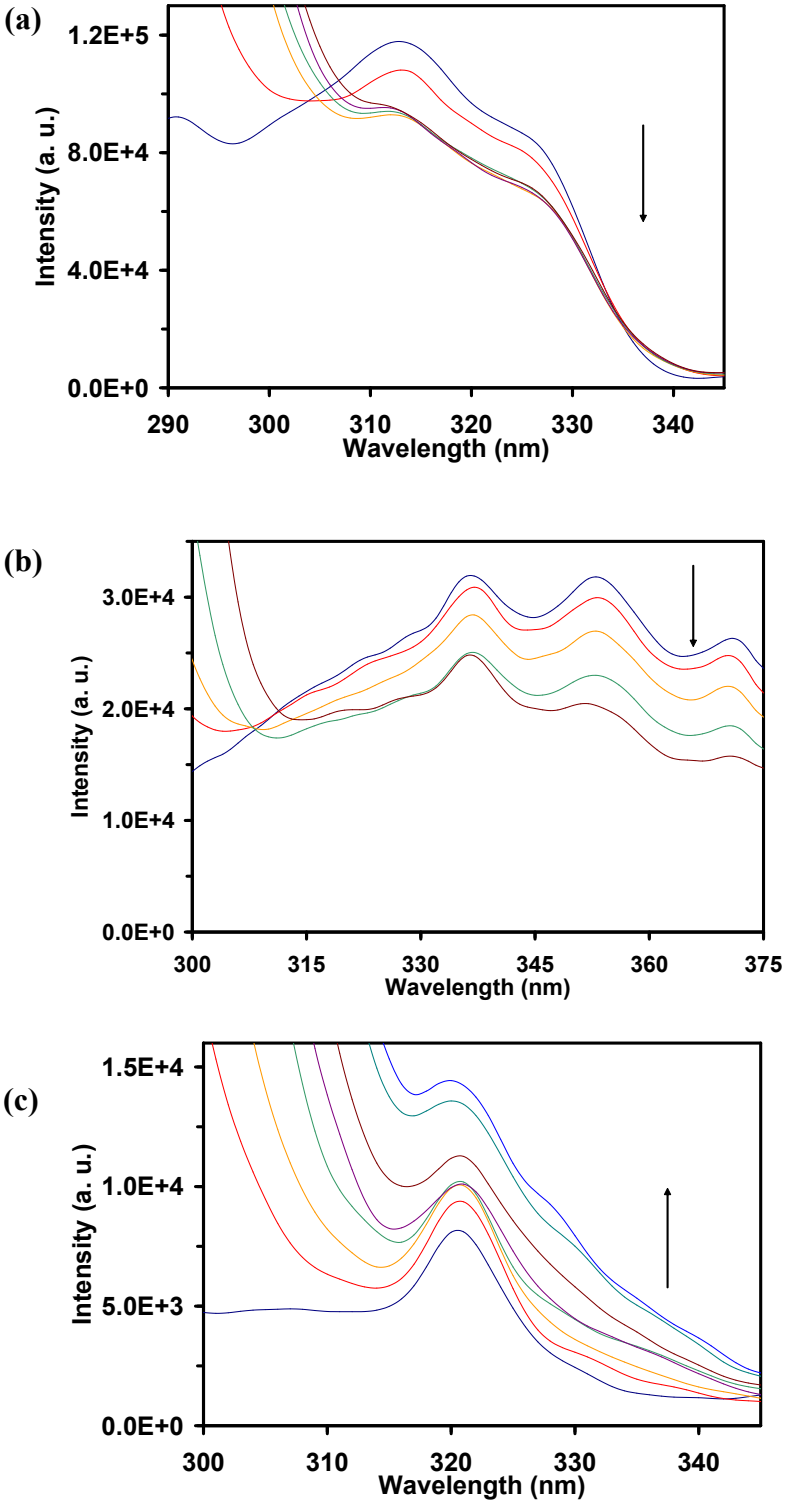
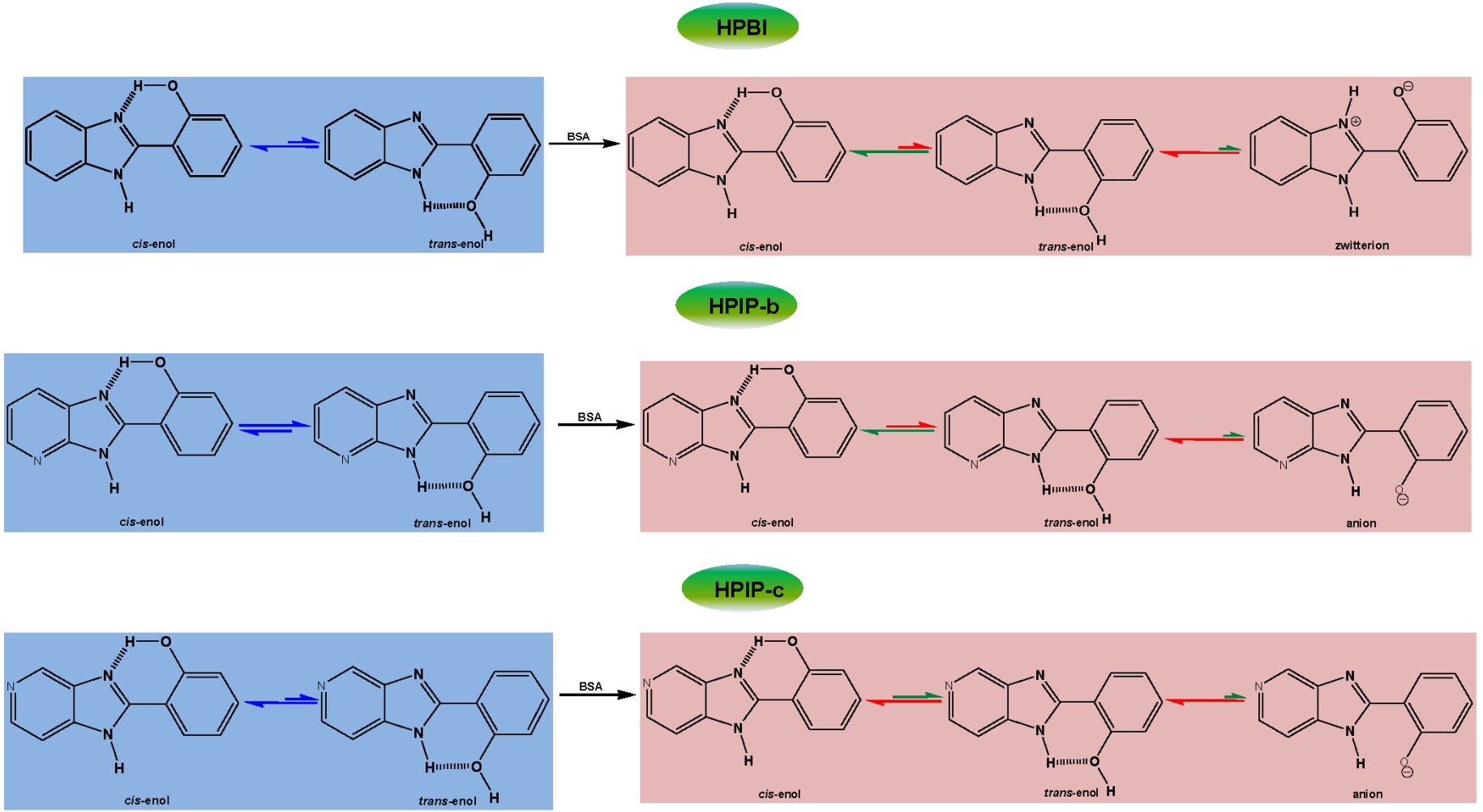


Figure S2. Fluorescence excitation spectra of (a) HPBI (λ_{em} = 350 nm), (b) HPIP-b (λ_{em} = 380 nm), and (c) HPIP-c (λ_{em} = 360 nm) monitored at the normal bands in presence of BSA at room temperature (298 ± 2K). The ligand concentration is 5 μM.



Scheme S1. Effect of BSA on the equilibriums of HPBI and its nitrogen substituted analogues.