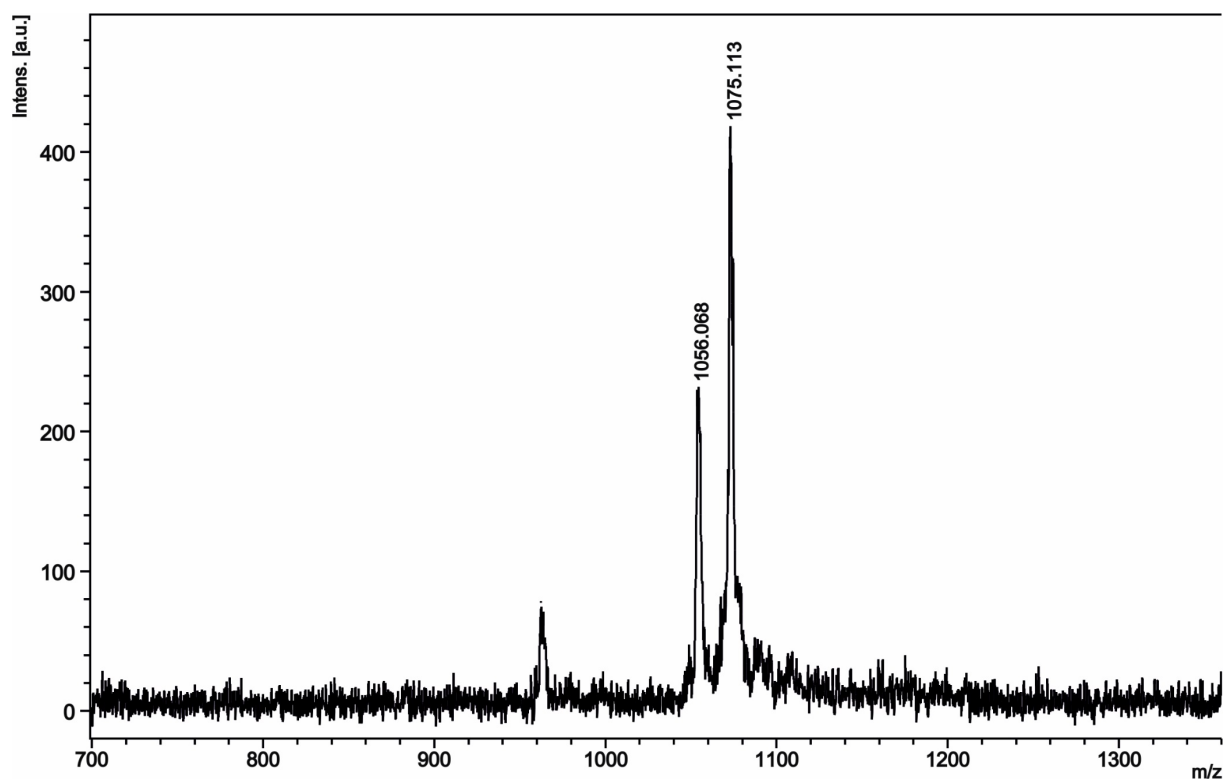


**SUPPORTING INFORMATION**

**Dual Color Triads: Synthesis, Photophysics And Application in Live  
Cell Imaging**

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Bünyemin Çoşut*



**Figure S1.** Mass spectrum of compound **5**.

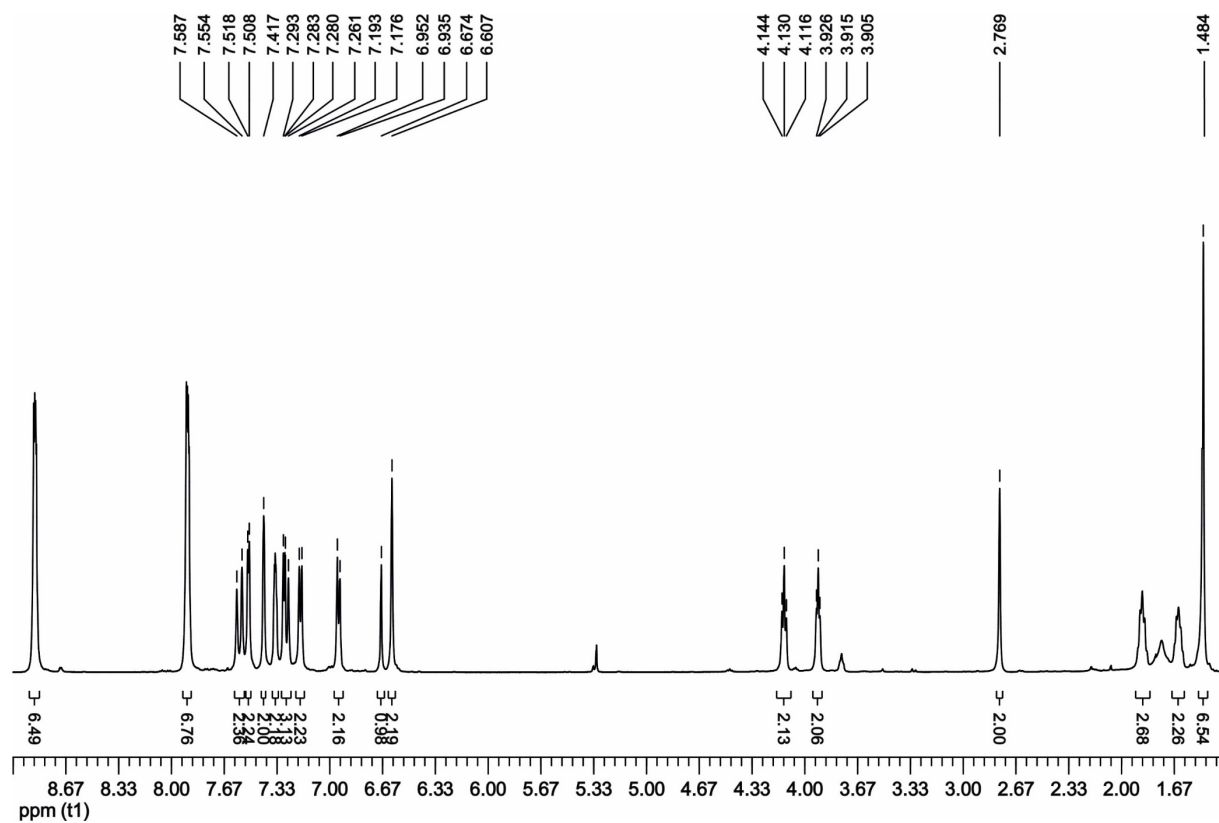


Figure S2.  $^1\text{H}$  NMR spectrum of compound **5**

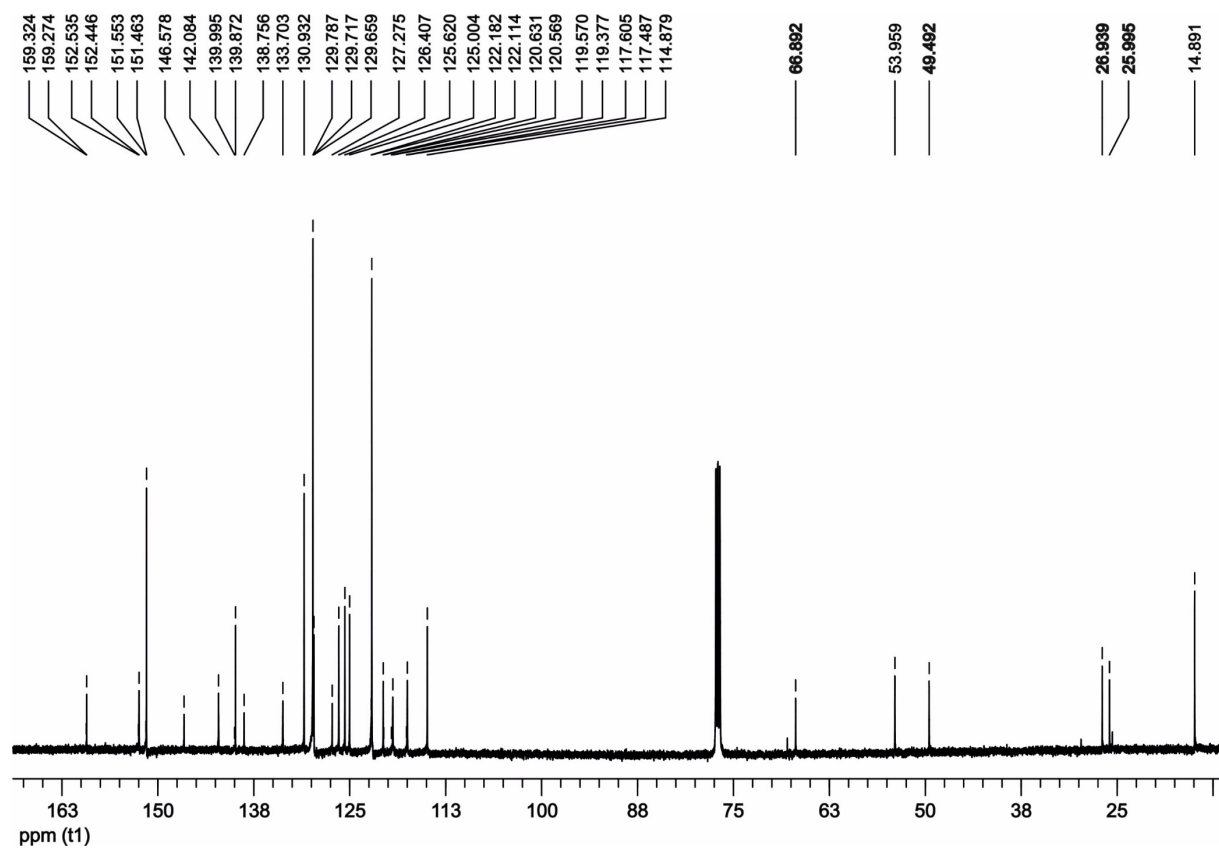


Figure S3.  $^{13}\text{C}$  NMR spectrum of compound **5**

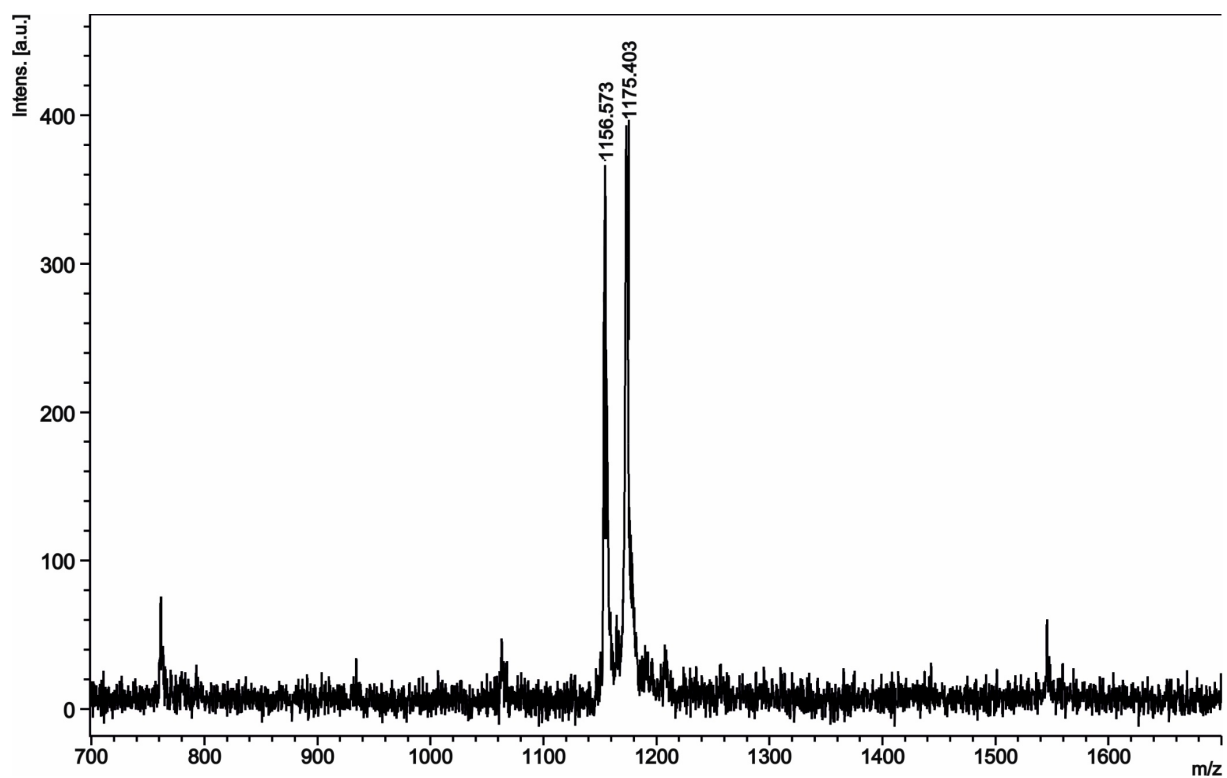


Figure S4. Mass spectrum of compound 6.

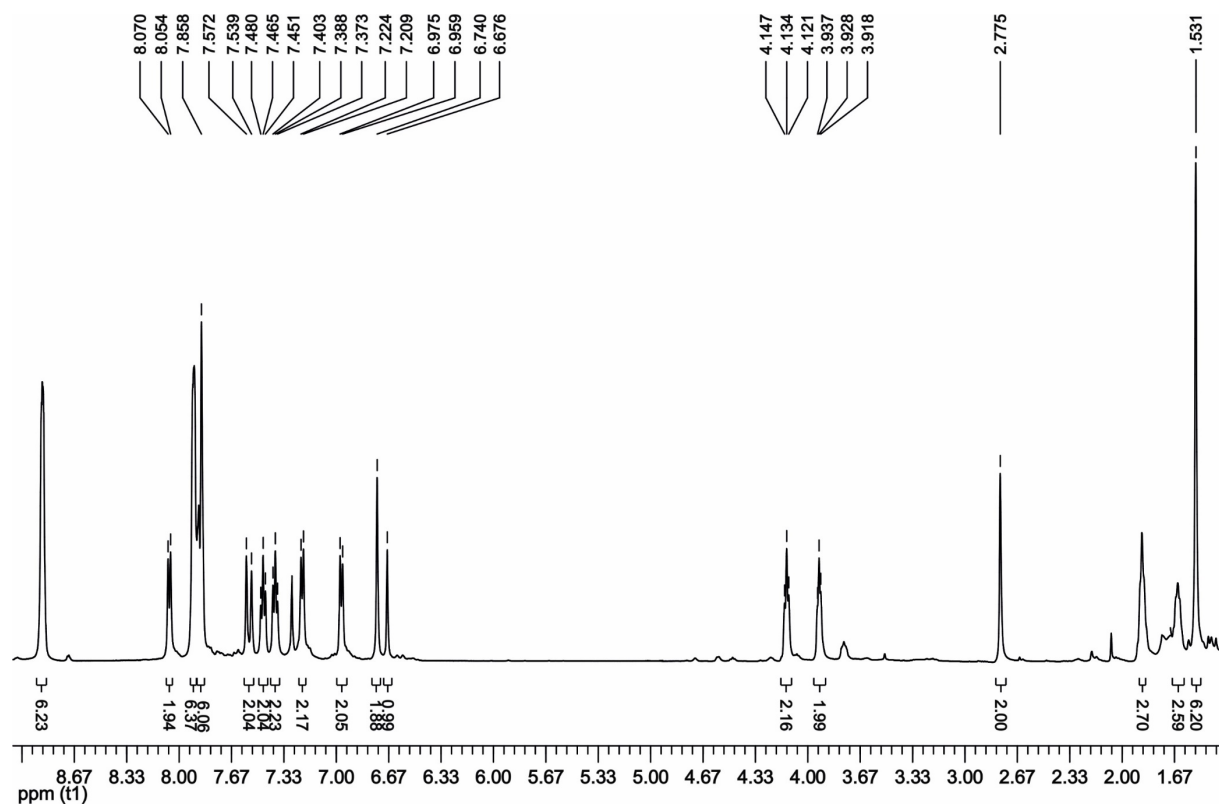
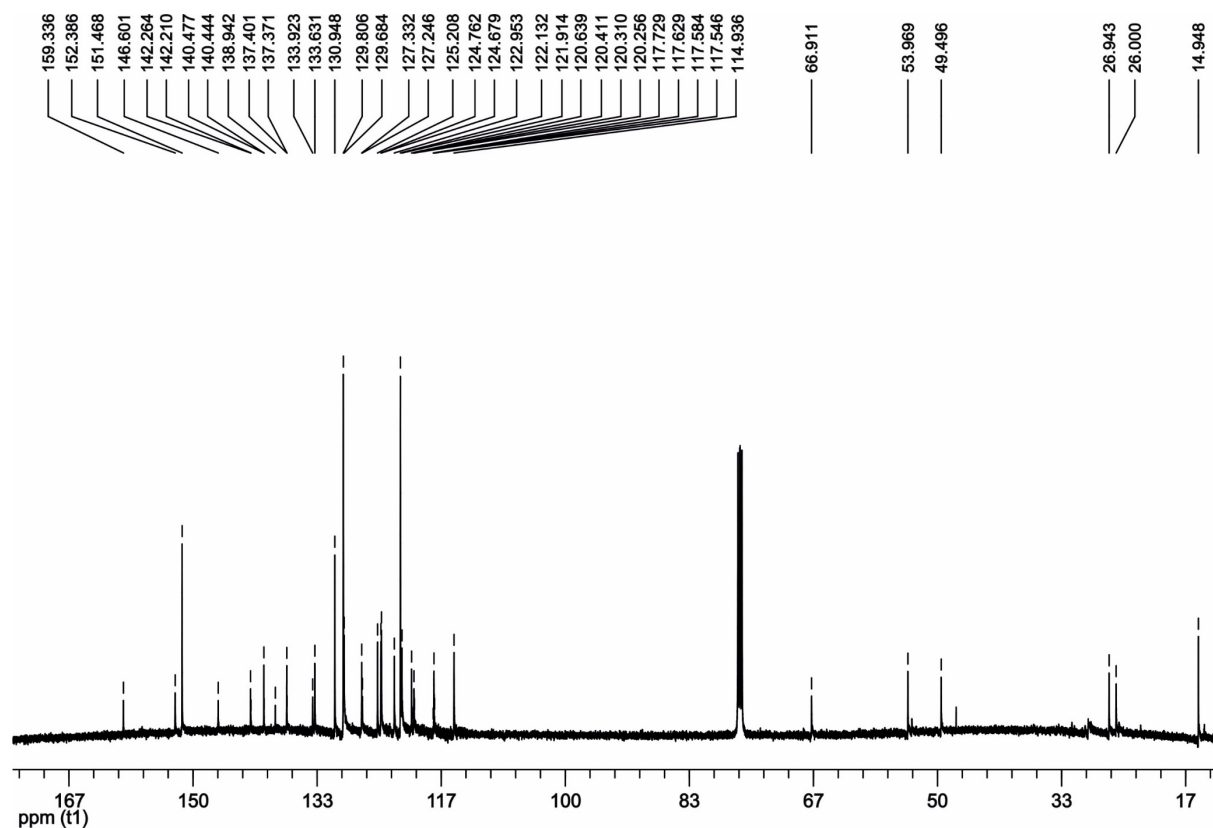
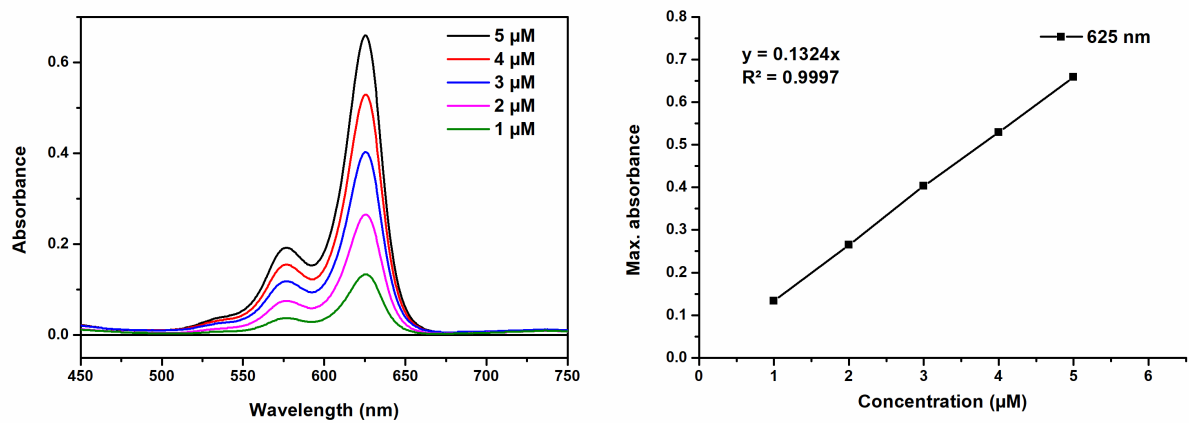


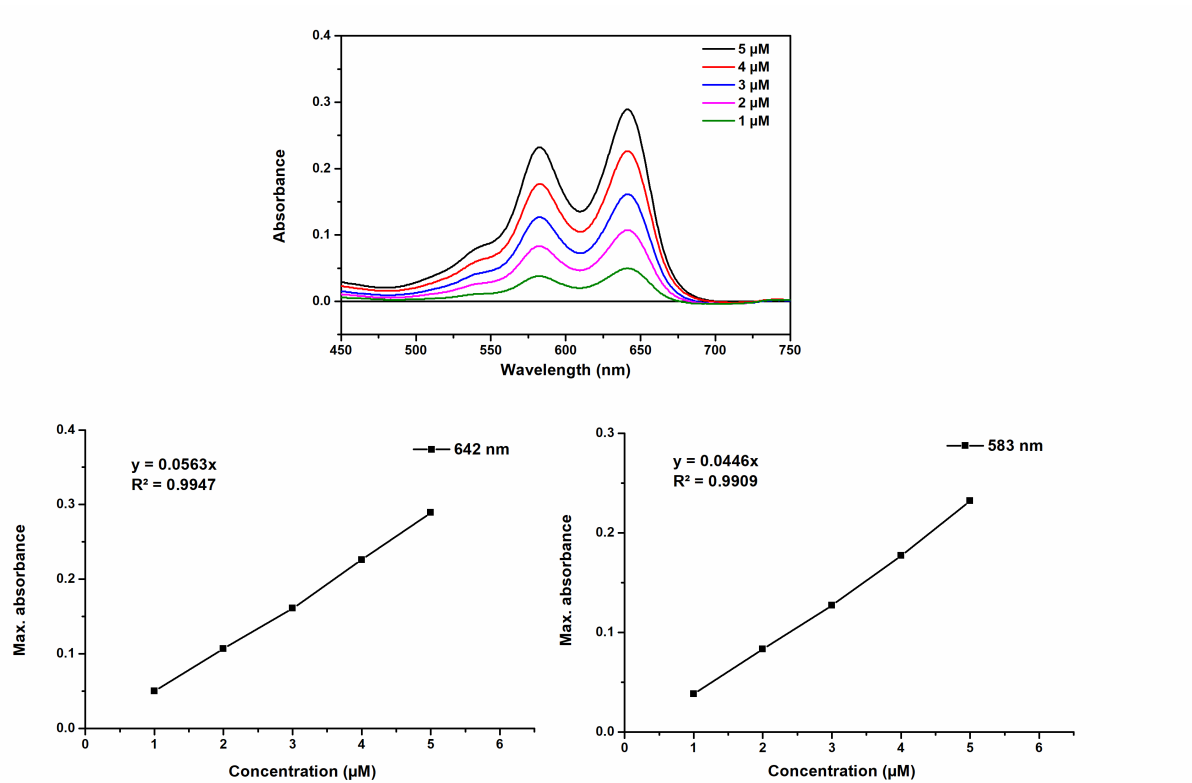
Figure S5. <sup>1</sup>H NMR spectrum of compound 6



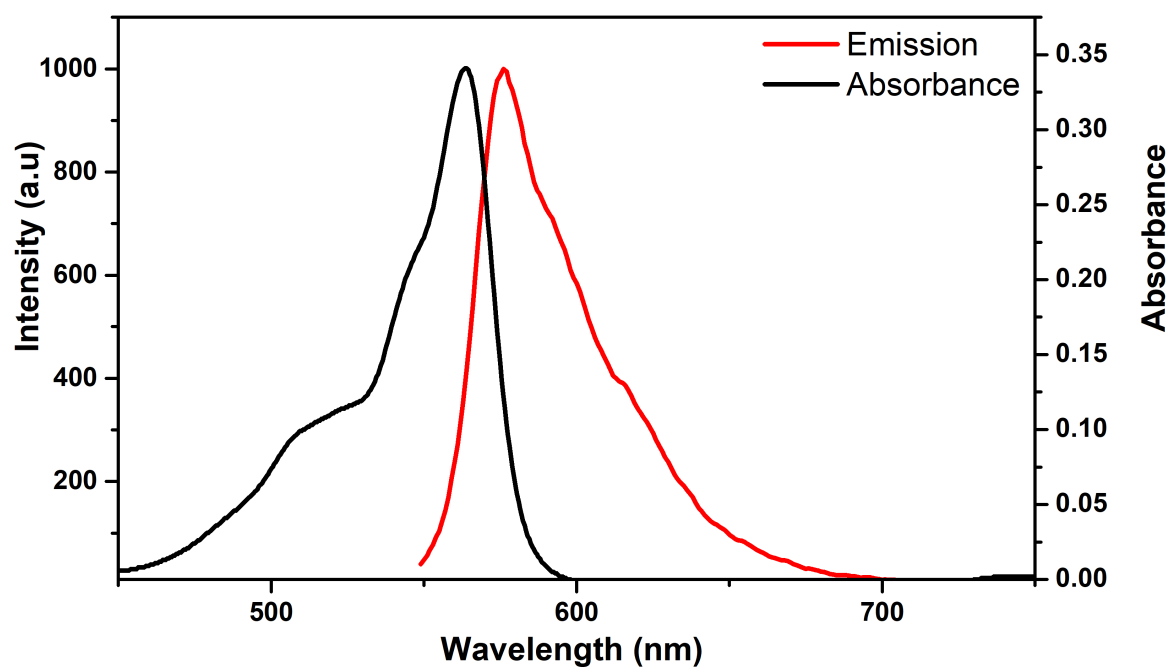
**Figure S6.**  $^{13}\text{C}$  NMR spectrum of compound **6**



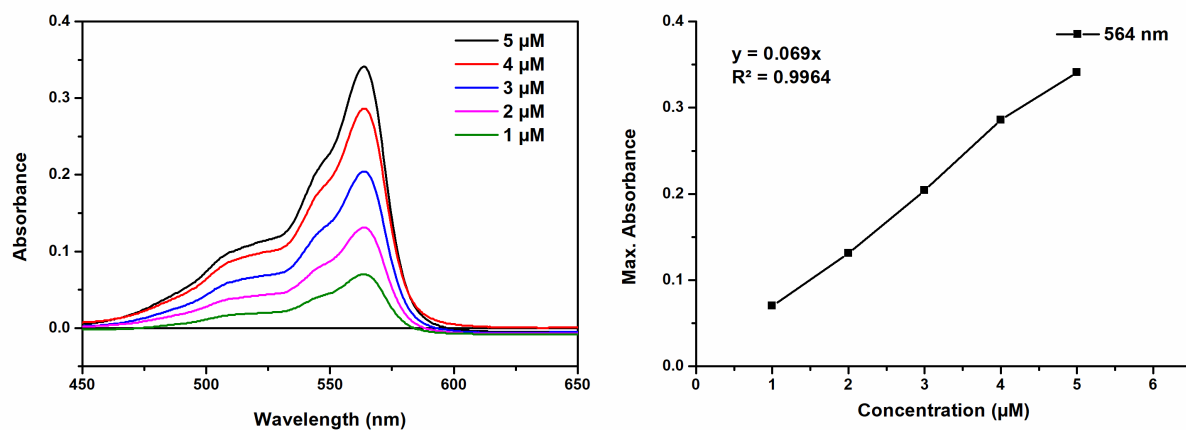
**Figure S7.** Absorbance spectrum of compound **2** in THF/Water (1:1) at different concentration



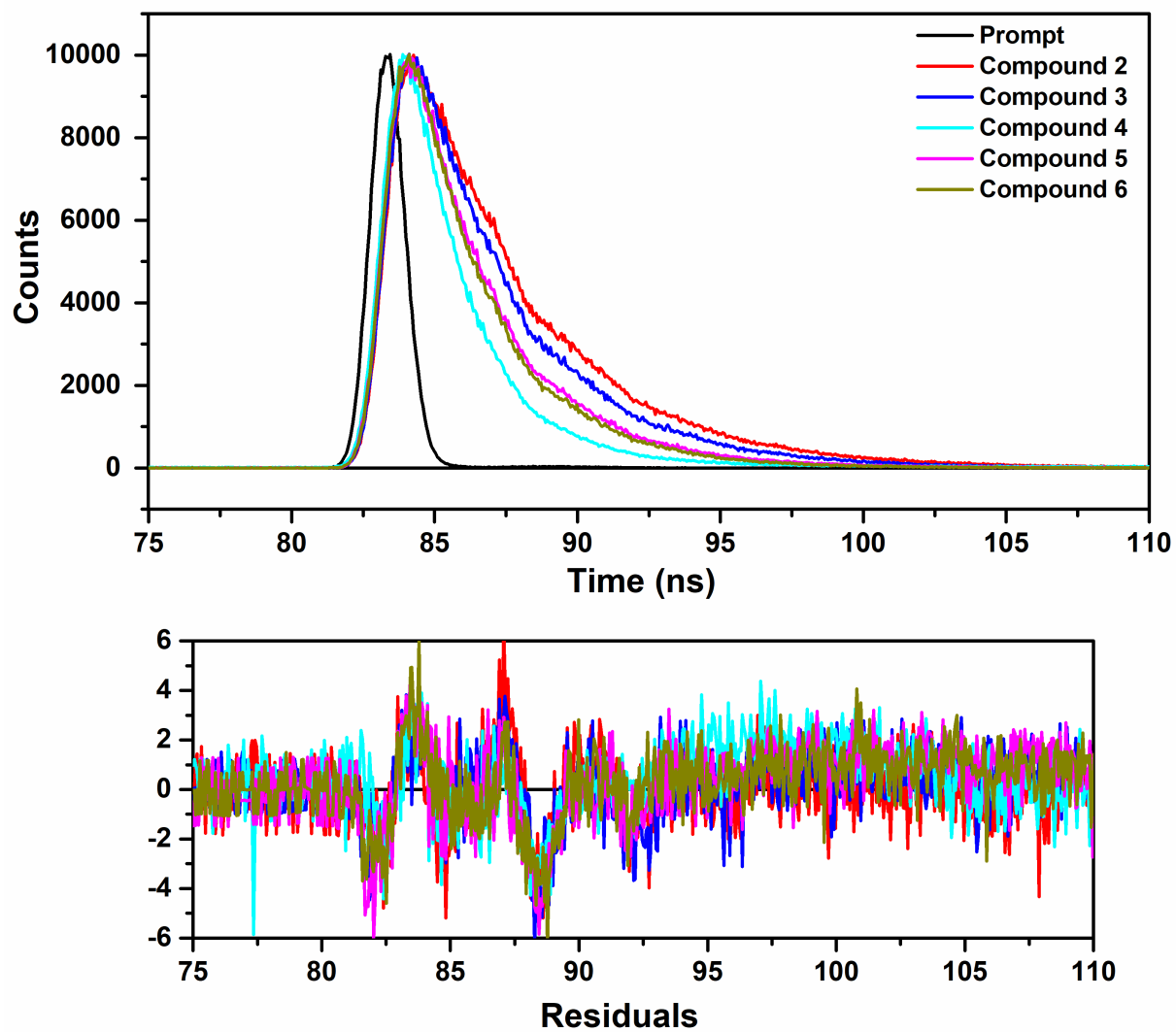
**Figure S8.** Absorbance spectrum of compound 3 in THF/Water (1:1) at different concentration



**Figure S9.** Absorbance and emission spectra of the compound **4** (5.0  $\mu\text{M}$ ) in THF/water (1:1).

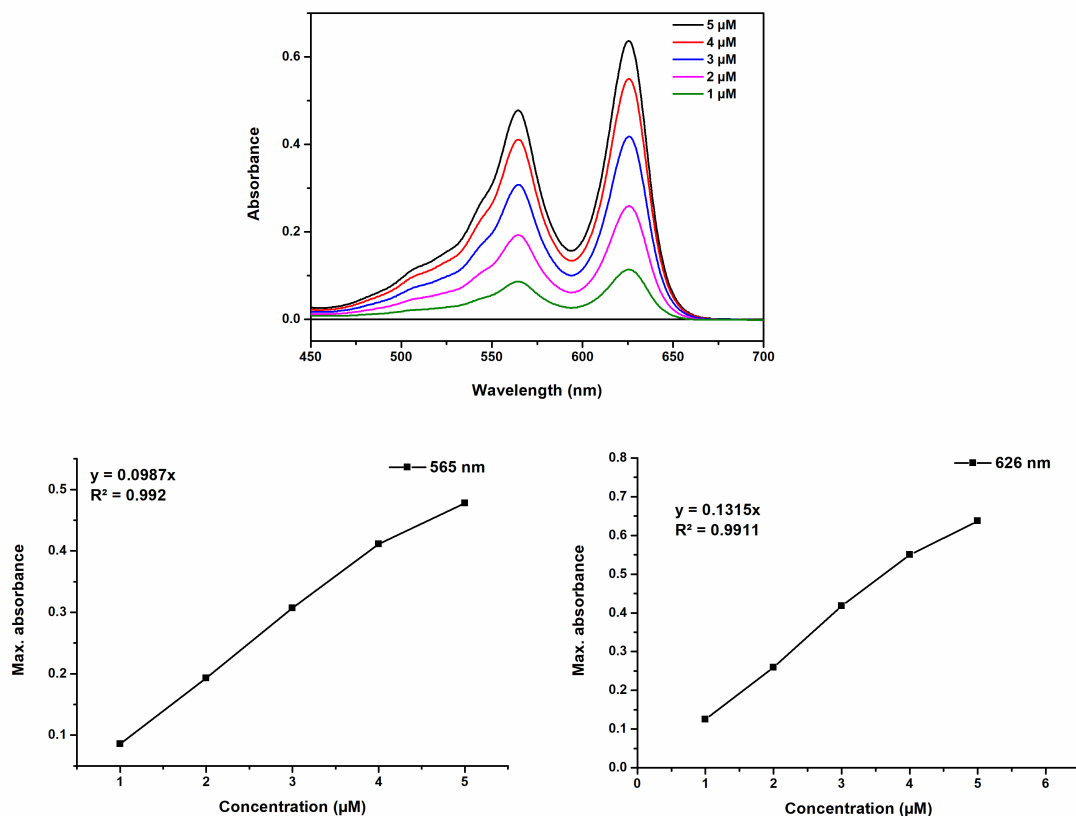


**Figure S10.** Absorbance spectrum of compound **4** in THF/Water (1:1) at different concentration

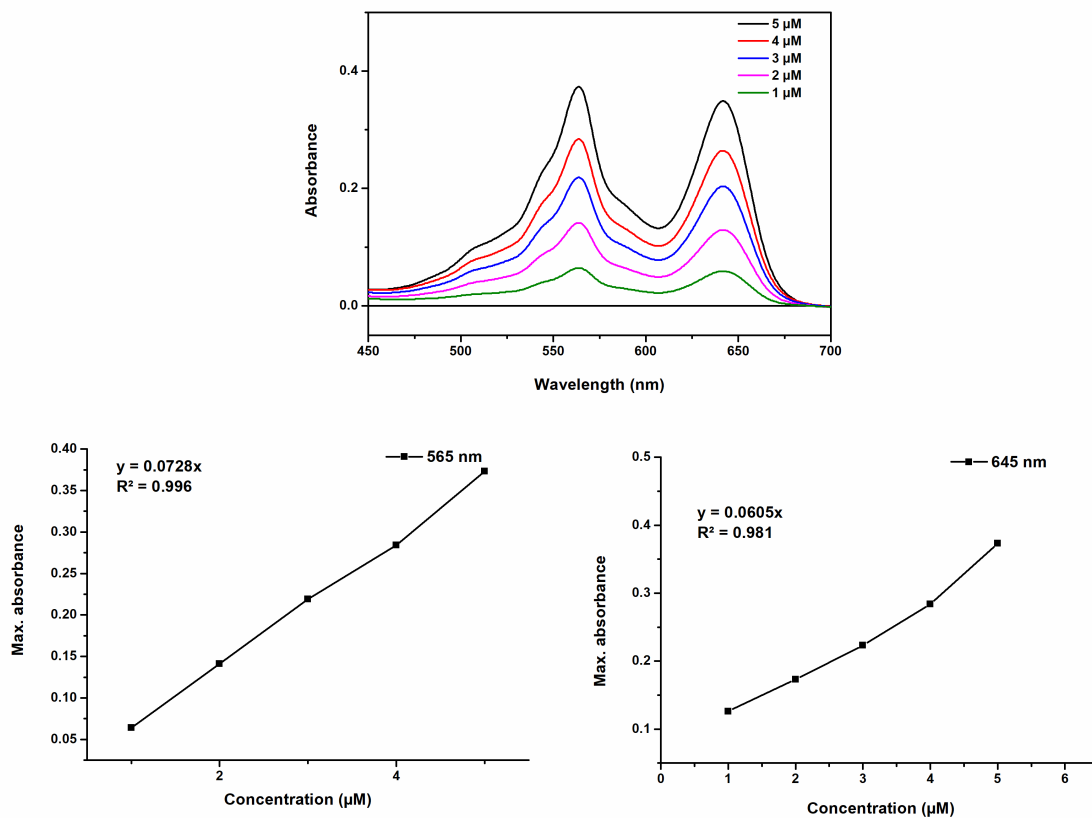


**Figure S11.** Fluorescence decay profiles of compound 2-6 in the presence using laser excitation source of 674 nm.

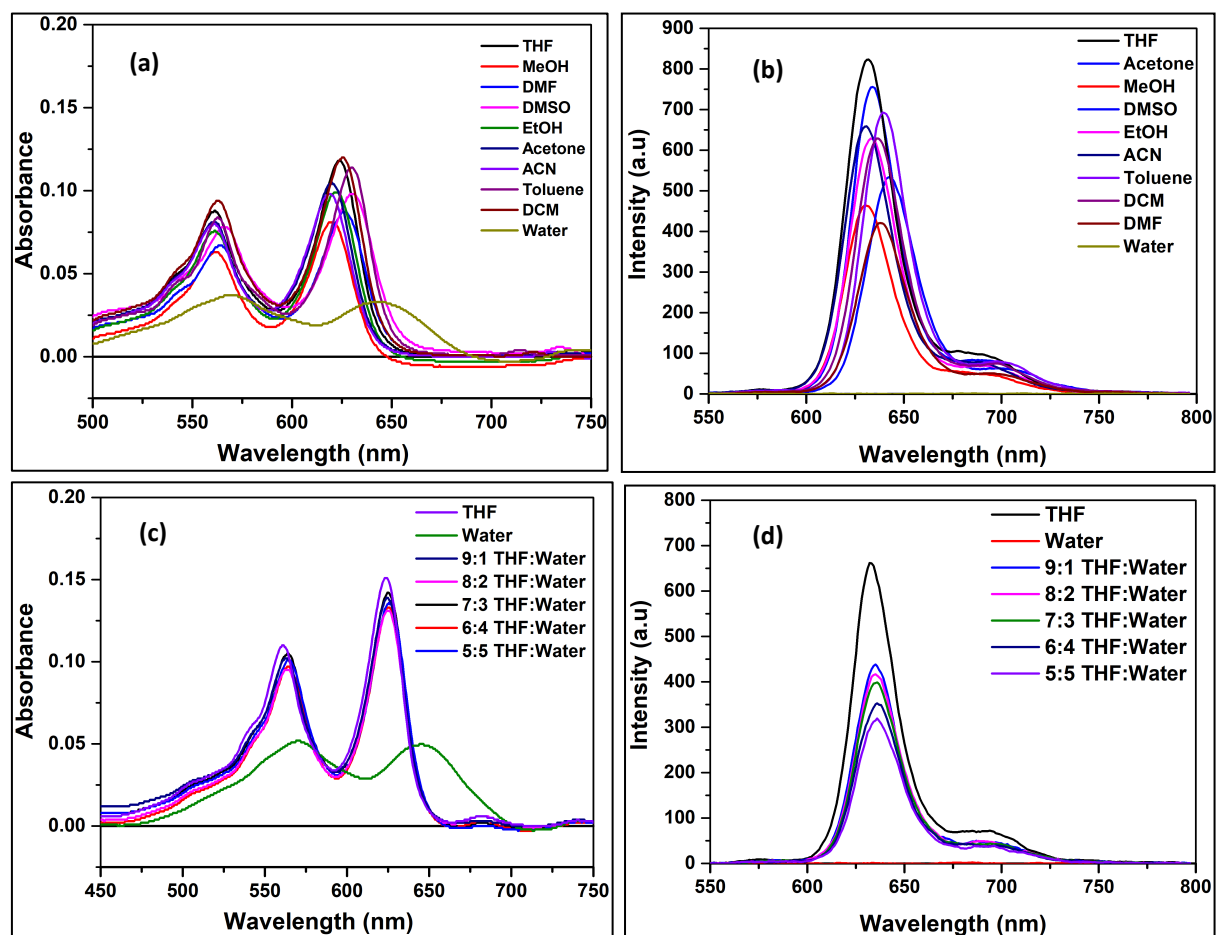




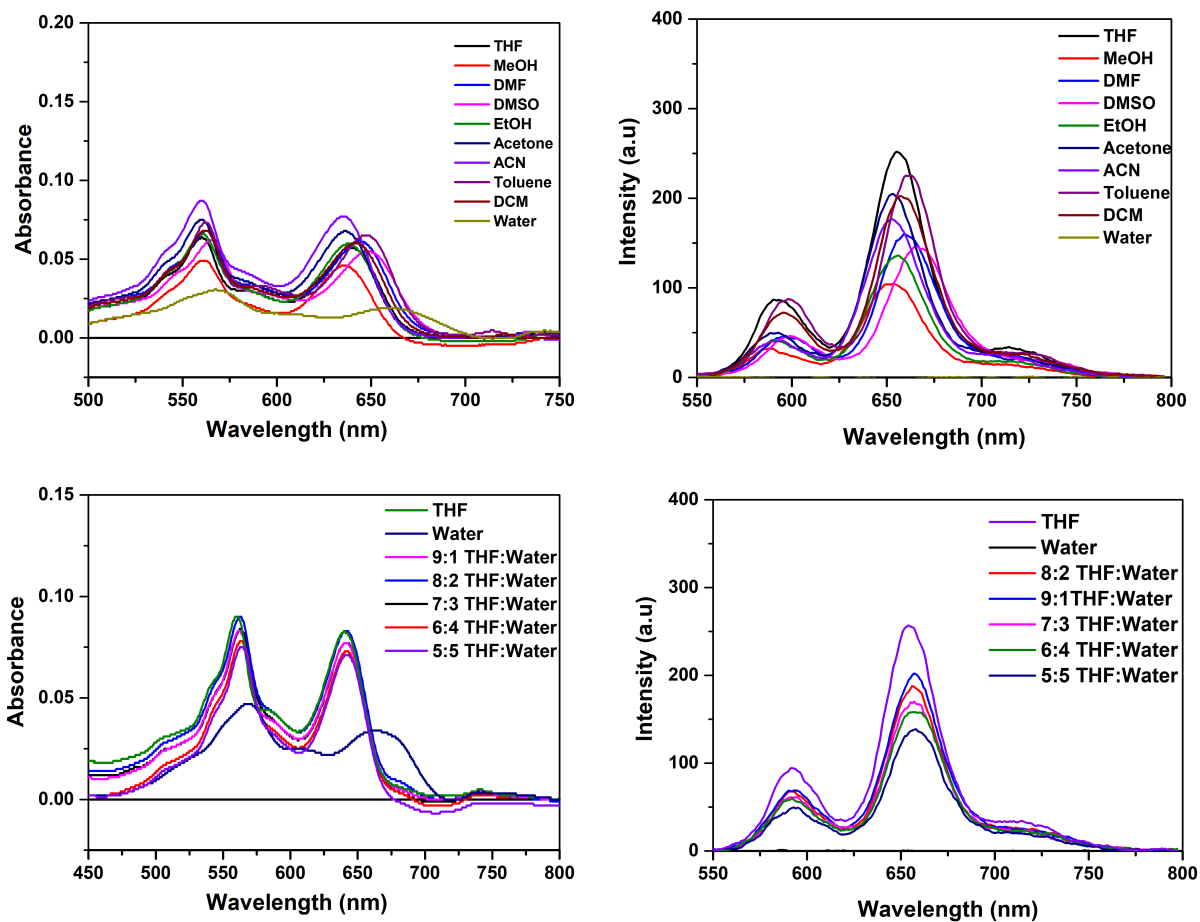
**Figure S12.** Absorbance spectrum of compound **5** in THF/Water (1:1) at different concentration



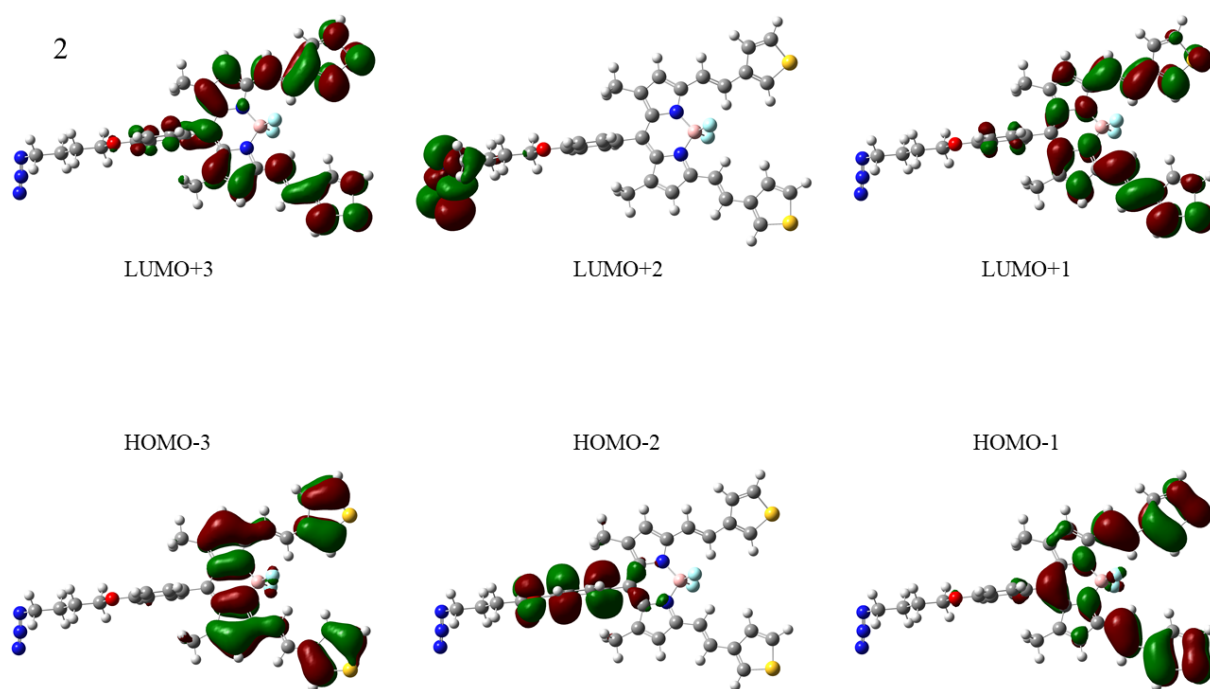
**Figure S13.** Absorbance spectrum of compound **5** in THF/Water (1:1) at different concentration



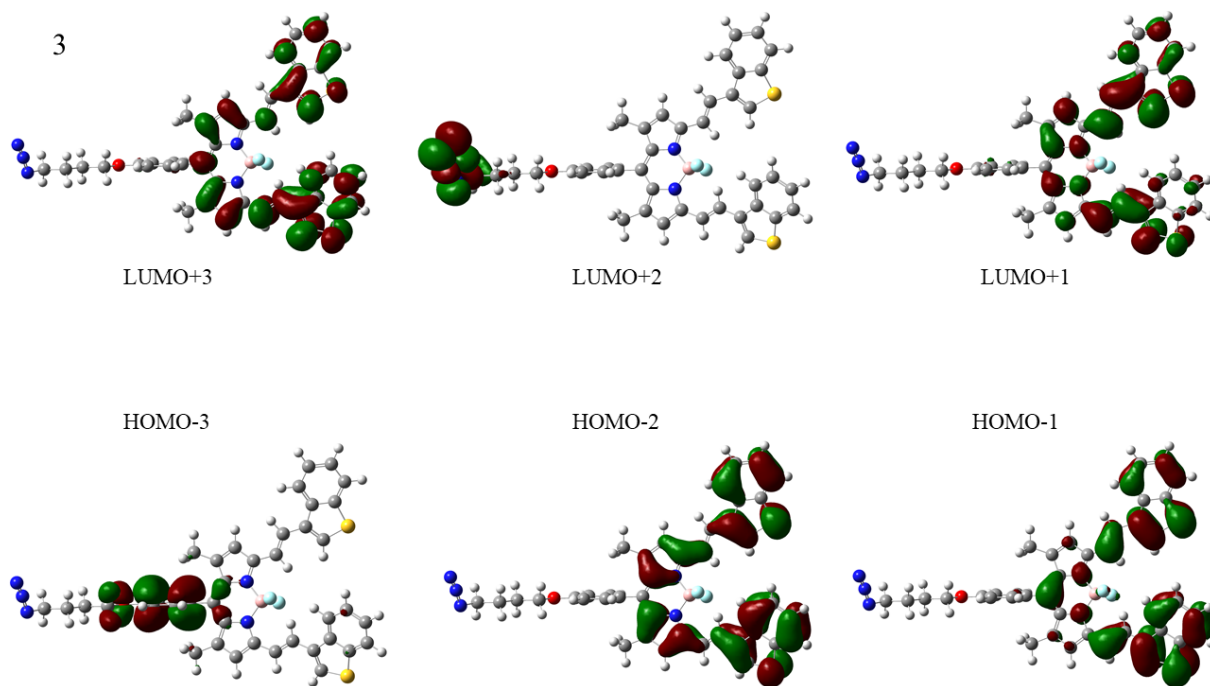
**Figure S14:** (a) Absorbance and (b) Fluorescence spectra of compound **5** in different solvents, (c) Absorbance and (d) Fluorescence spectra of compound **5** in different THF/water ratios (Ext. Wav. 510 nm, C= 1.0  $\mu$ M).



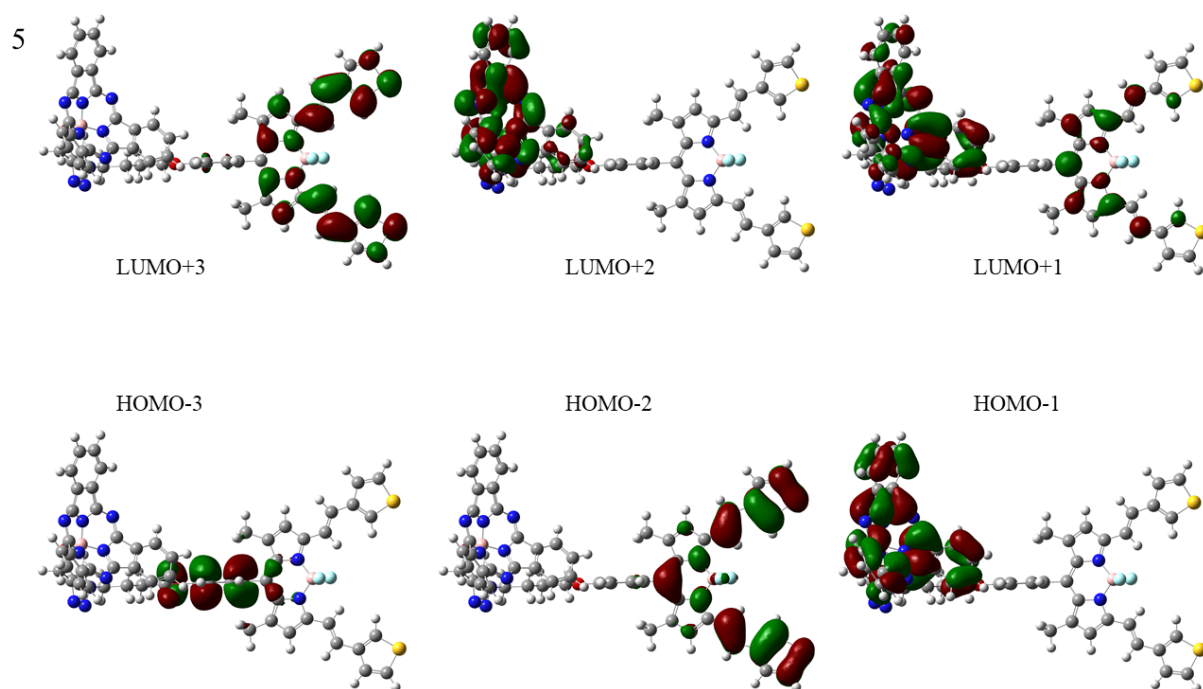
**Figure S15:** (a) Absorbance and (b) Fluorescence spectra of compound **6** in different solvents, (c) Absorbance and (d) Fluorescence spectra of compound **6** in different THF/Water ratios (Ext. Wav. 510 nm, C= 1.0  $\mu$ M).



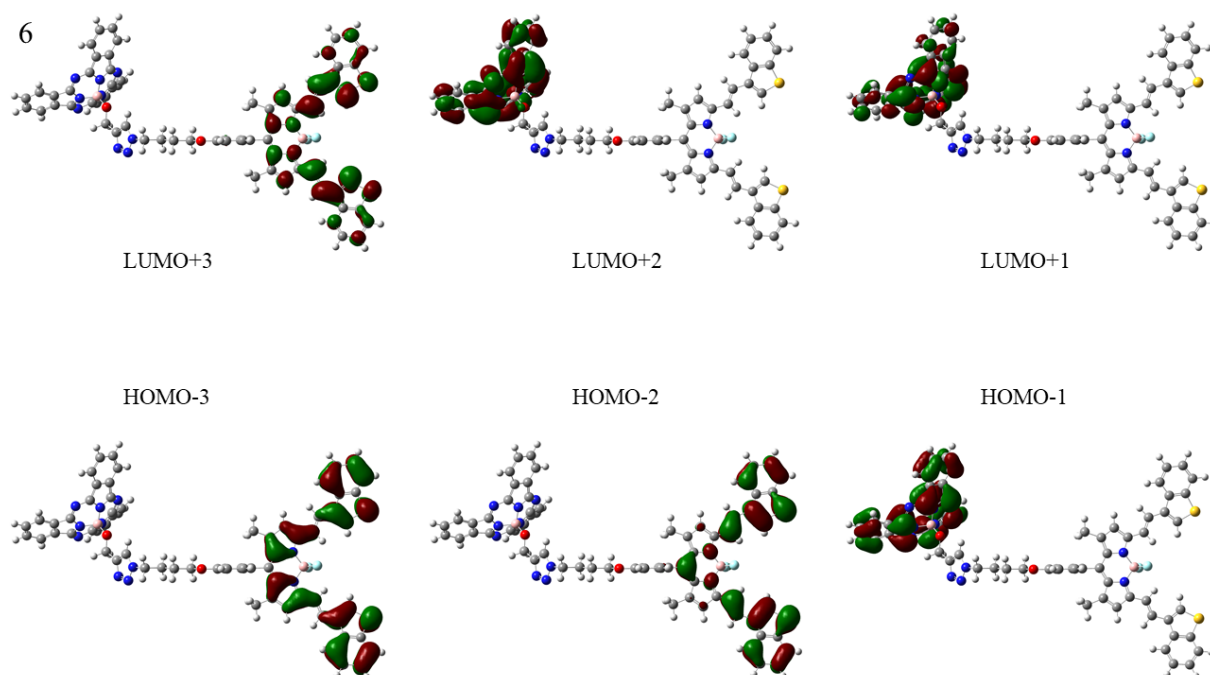
**Figure S16.** Frontier orbitals of compound 2



**Figure S17.** Frontier orbitals of compound 3



**Figure S18.** Frontier orbitals of compound 5



**Figure S19.** Frontier orbitals of compound 6