

Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Electronic supplementary information(ESI)

**Aggregation-Induced Emission Enhancement and cell imaging of a novel
(carbazol-N-yl)triphenylamine-BODIPY**

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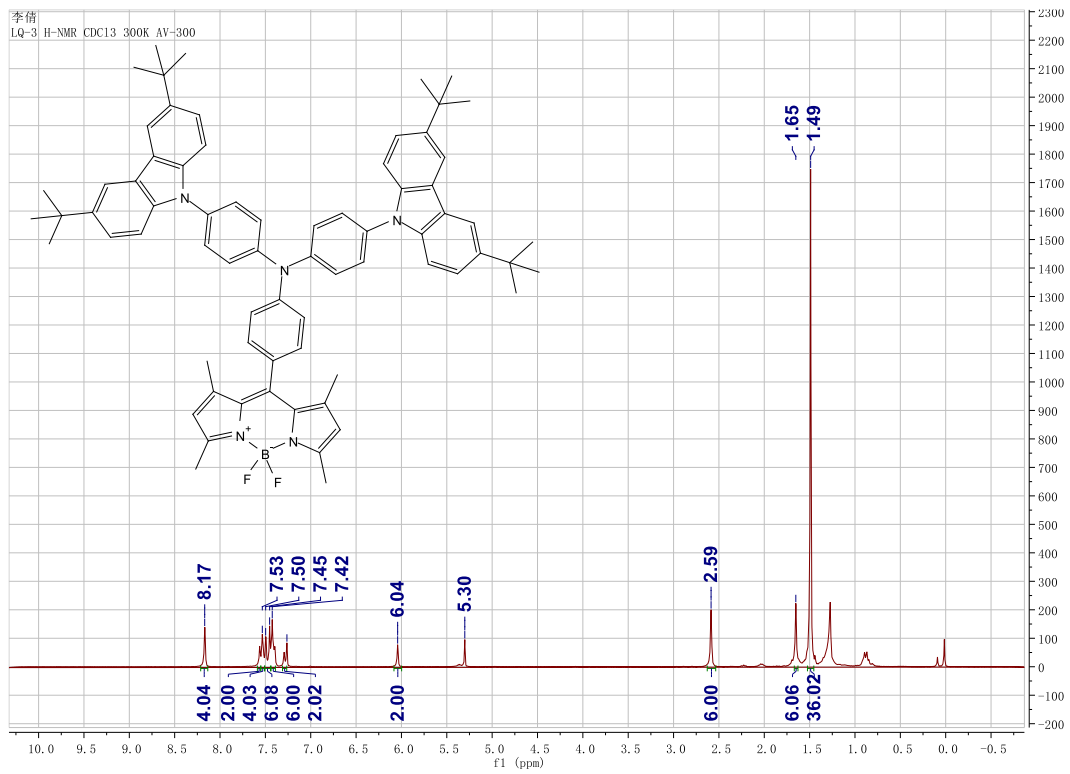


Fig. S1 ^1H NMR spectra of BCPA-BODIPY in CDCl_3

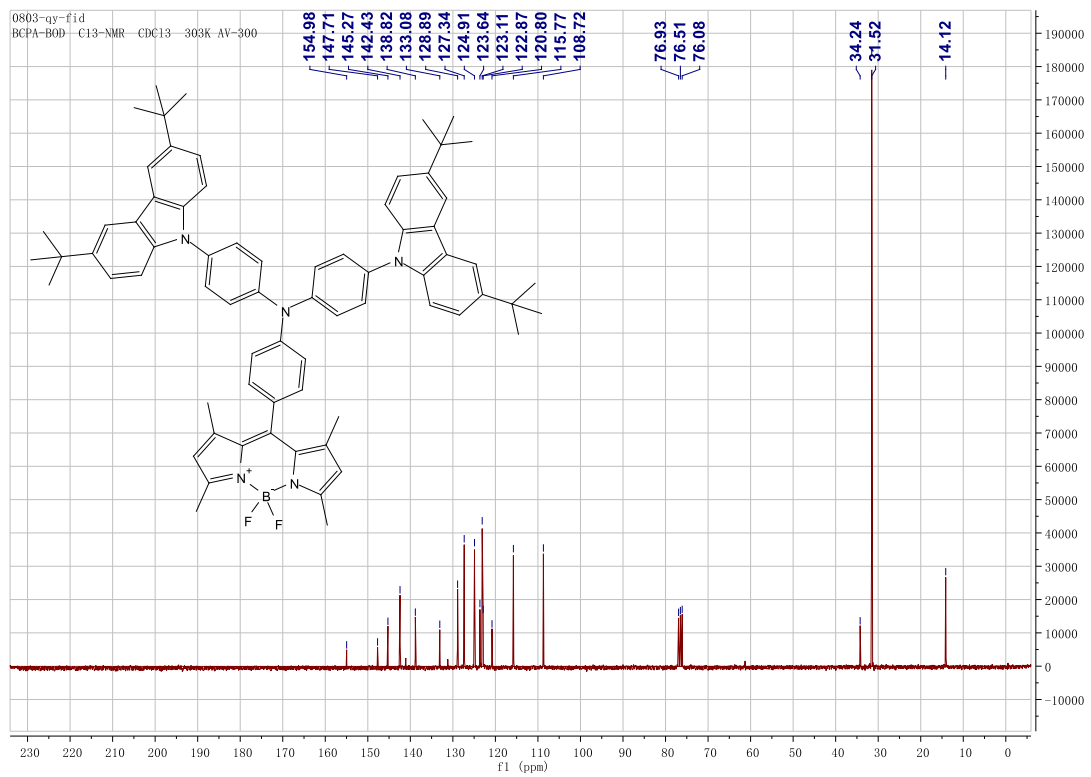


Fig. S2 ^{13}C NMR spectra of BCPA-BODIPY in CDCl_3

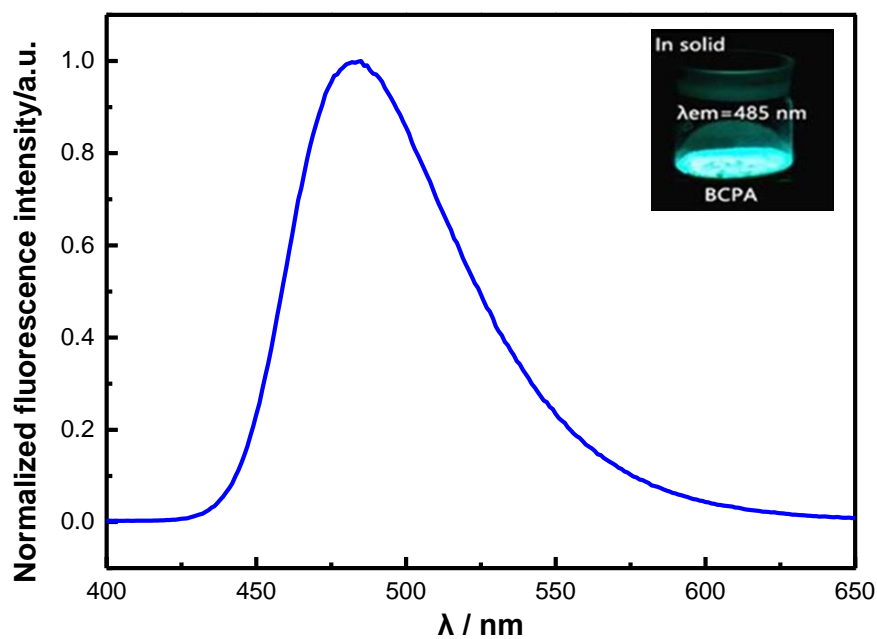


Fig. S3 The fluorescence spectra of BCPA in solid state; the inset presents the fluorescence photograph of its solid powder excited at 365 nm

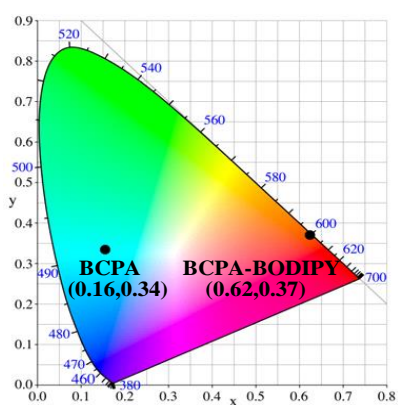


Fig.S4 CIE chromaticity coordinates of BCPA-BODIPY and BCPA

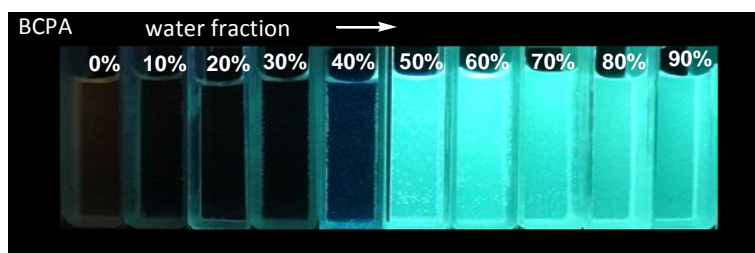


Fig.S5 The fluorescence photographs under UV light of BCPA in mixed solvent of water and THF system with different water fractions.

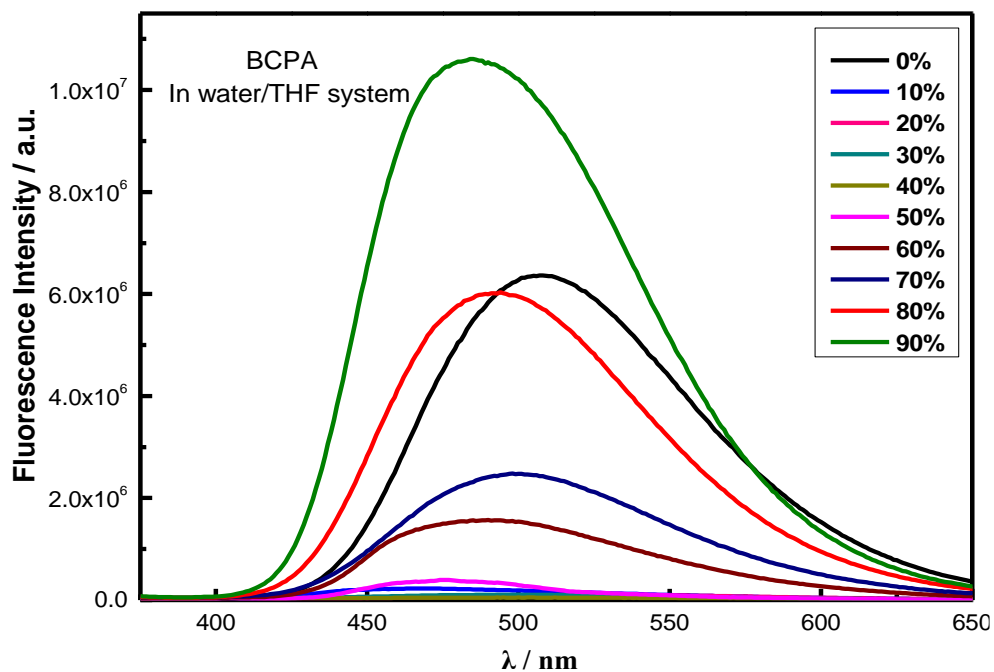


Fig.S6 Fluorescence emission spectra of 10^{-5} M BCPA in the mixed solvent of water and THF system with different water fractions;

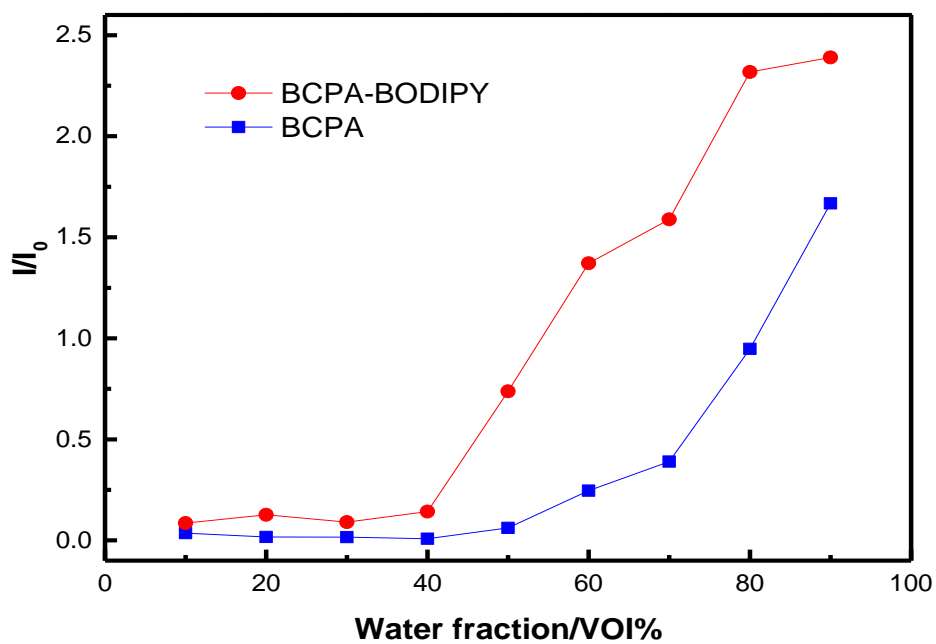


Fig.S7 Corresponding changes in PL peak intensities of BCPA-BODIPY (>600 nm) and BCPA in the mixed solvent of water and THF system with different water fractions (I/I_0 , I_0 = PL intensity in pure THF solution)

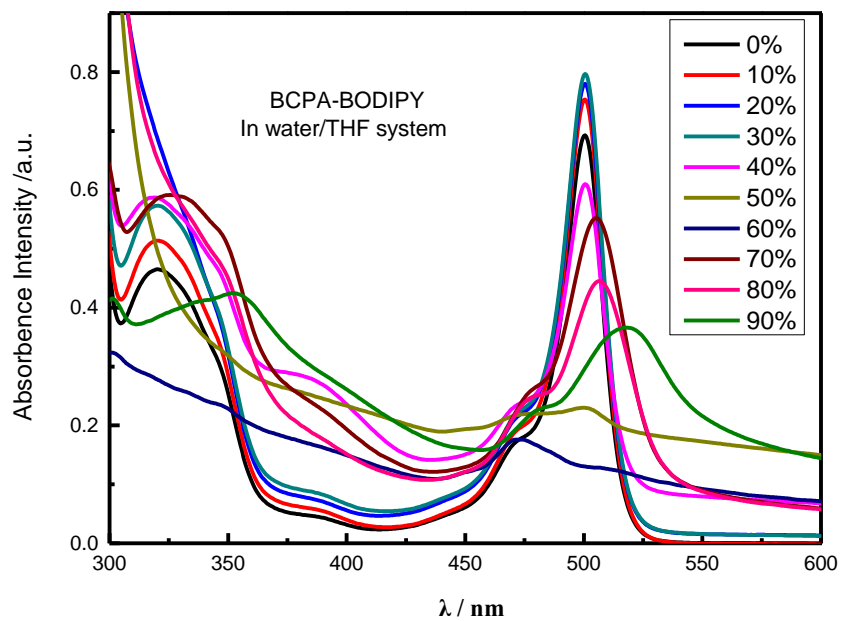


Fig. S8 UV-vis absorbance spectra of BCPA-BODIPY in THF (10^{-5} mol·L $^{-1}$) with different water fractions