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Supporting Information

Facile Fabrication of AIE/AIEE -Active Fluorescent Nanoparticles Based on Barbituric for Cell Imaging Applications

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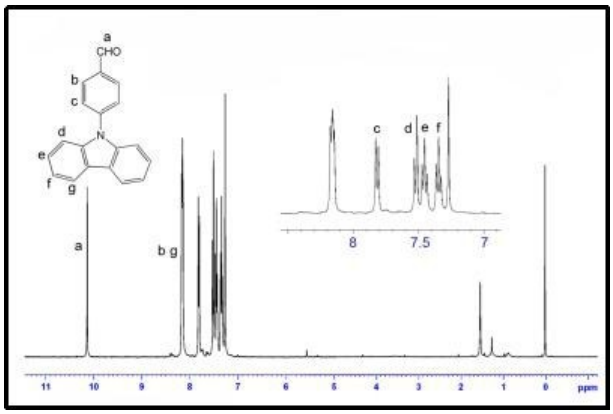

Fig.S1 The ^{1}H-NMR spectra of **1a**

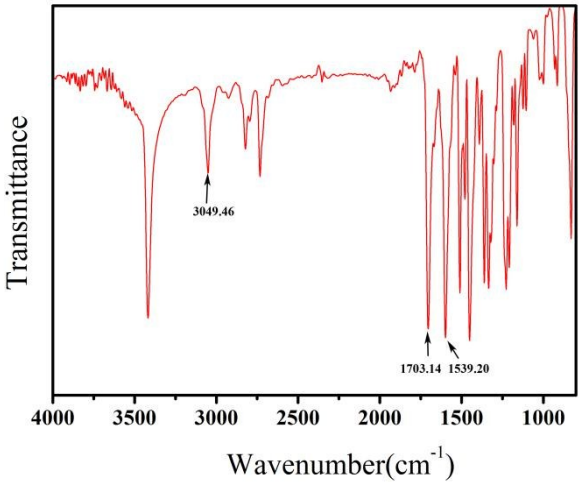

Fig.S2. FT-IR spectra of **1a**

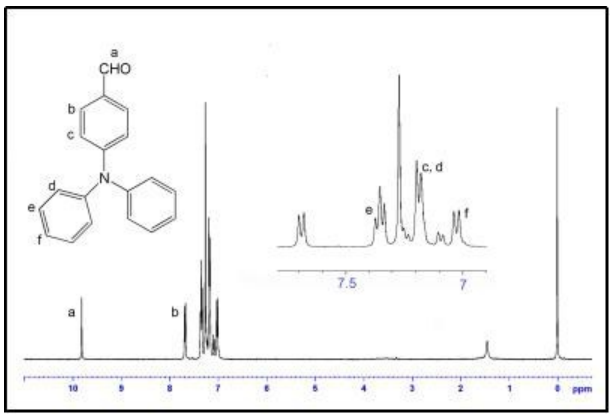

Fig.S3 The ^{1}H-NMR spectra of **1b**

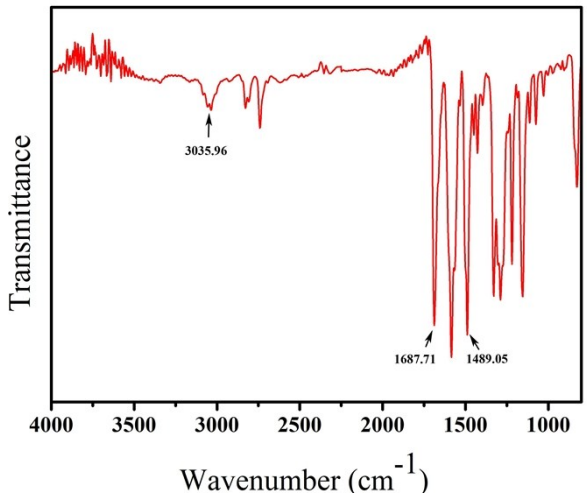

Fig.S4. FT-IR spectra of **1b**

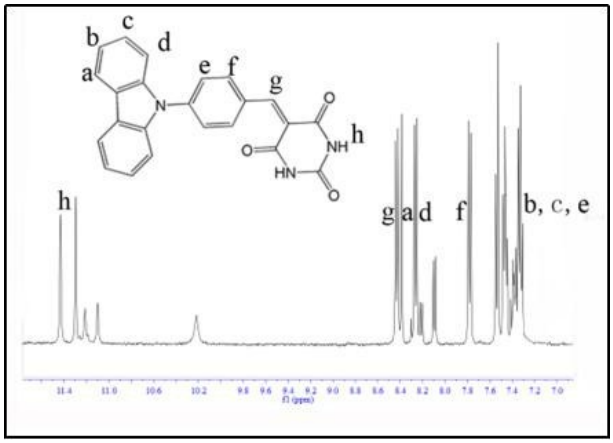

Fig.S5 The [1]H-NMR spectra of **1**

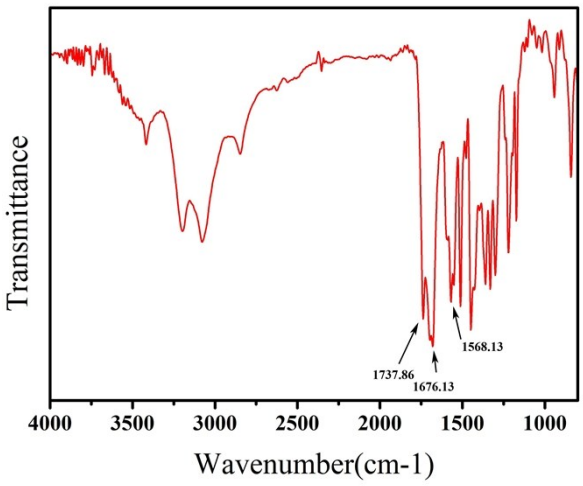

Fig.S6. FT-IR spectra of **1**

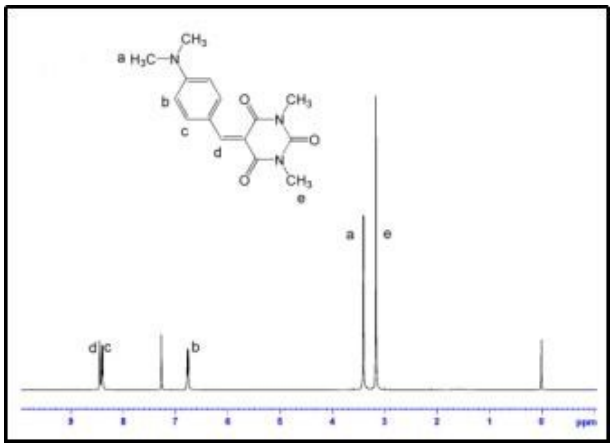

Fig.S7. The ^{1}H-NMR spectra of **2**

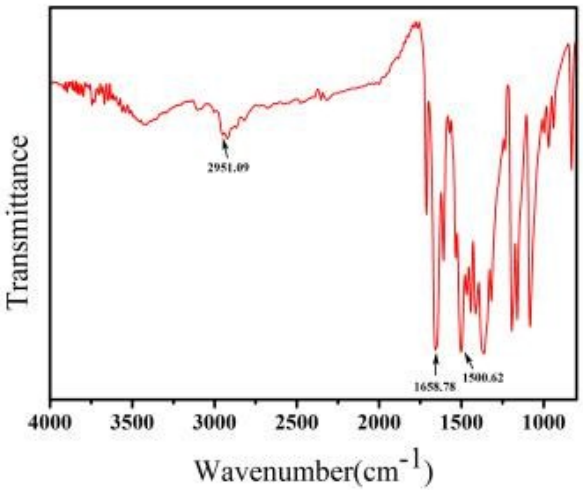

Fig.S8. FT-IR spectra of **2**

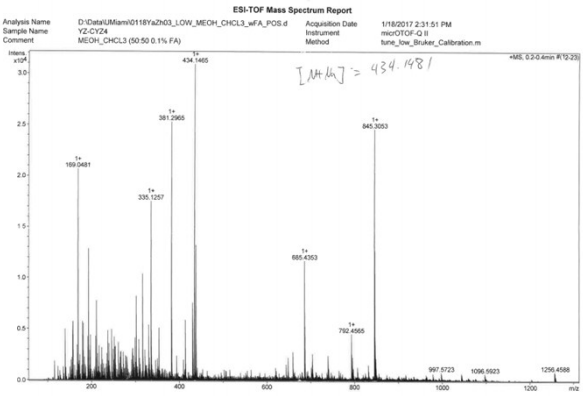

Fig.S9. ESIMS of **2**

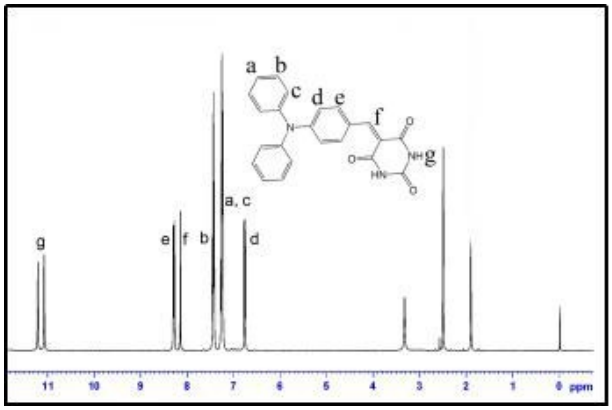

Fig.S10. The ^{1}H-NMR spectra of **3**

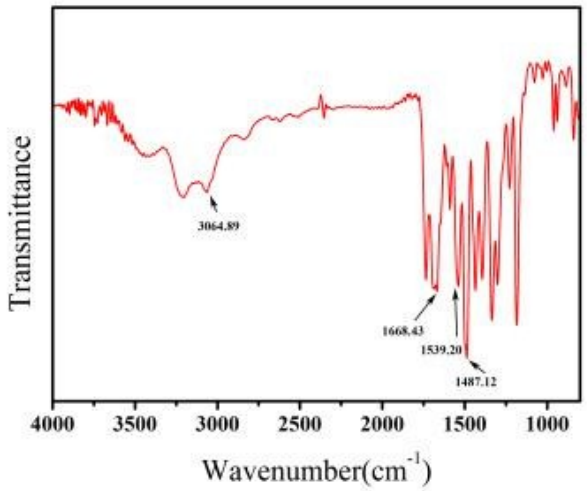

Fig.S11. FT-IR spectra of **3**

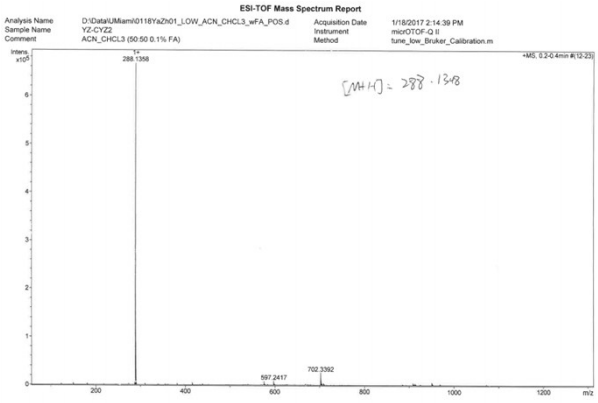

Fig.S12. ESIMS of **3**

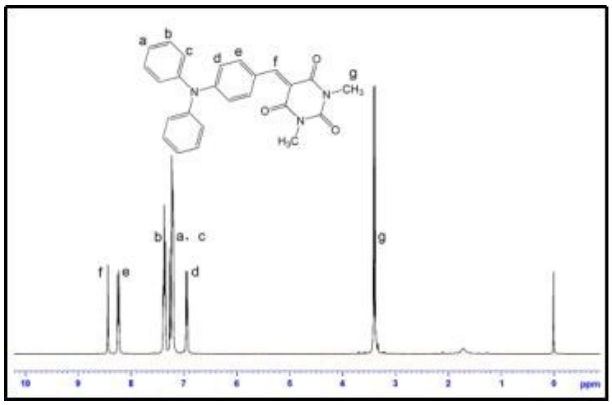

Fig. S13. The ^{1}H-NMR spectra of **4**

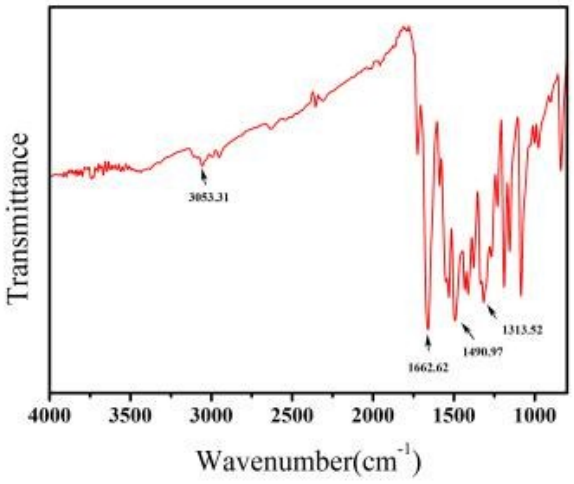

Fig. S14. FT-IR spectra of **4**

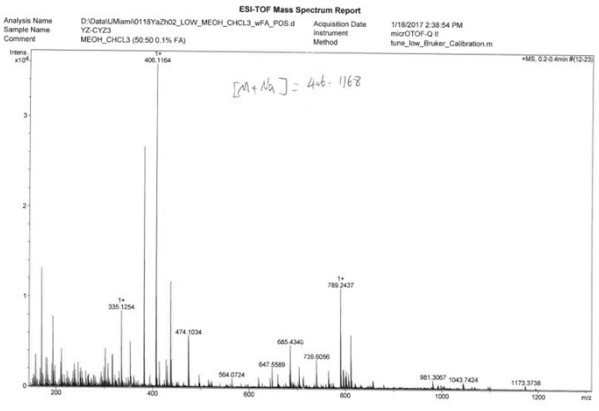

Fig. S15. ESIMS of **4**

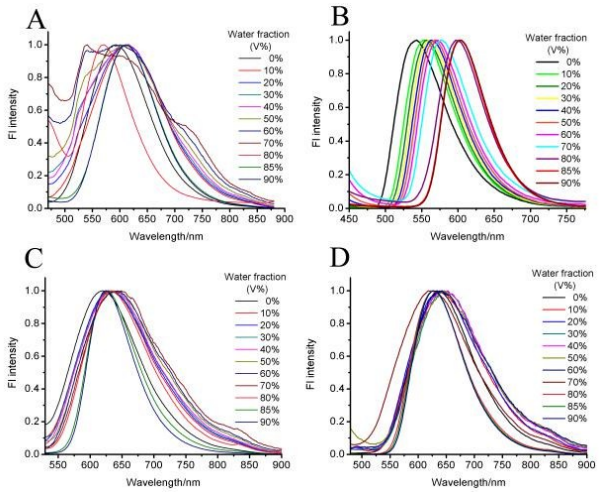

Fig. S16. Normalised emission spectra of compounds **1-4** in THF and THF/water mixture, 24 μM concentration, room temperature, water fraction (V%)

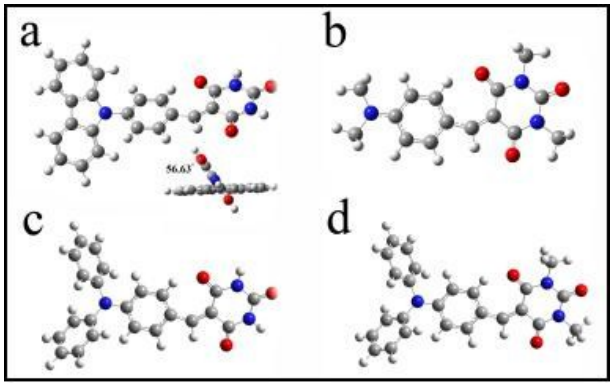

Fig.S17. Optimized geometric structures of a) **1**, b) **2**, c) **3** and d) **4**.

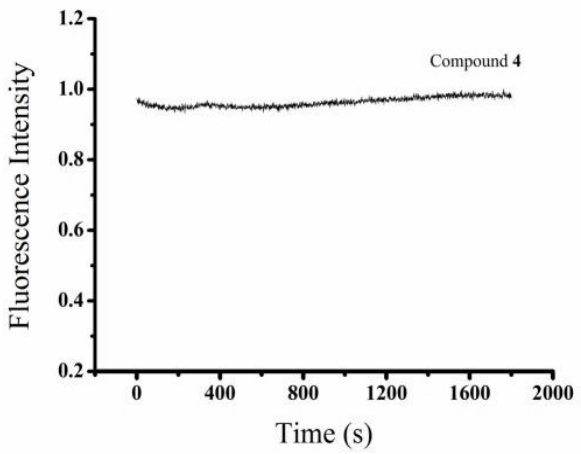

Fig.S18. The time scanning spectra of Compound **4** in 1800s at f_w = 0.9 (ex = 460 nm, em = 627 nm, slit width: 5 nm, PMT Voltage: 600 V).

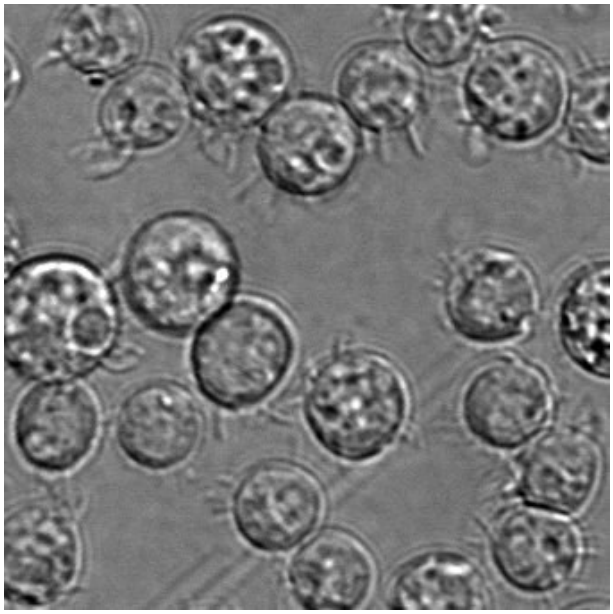

Fig.S19. Drosophila S2 cells incubated without Compound **4**.

Table S1 Average Diameter of Nanoaggregates with Different f_w of compounds **1-4.**

	1	**2**	**3**	**4**
D f_w=80% (nm)	533.8	873.3	461.6	945.2
D f_w=90% (nm)	394.2	229.3	382.4	346.0