

## Supporting information

### Synthesis and optical properties of conjugated maleimide molecules containing amino with aggregation-induced emission enhance (AIEE)

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#### 1. NMR Spectra for Products

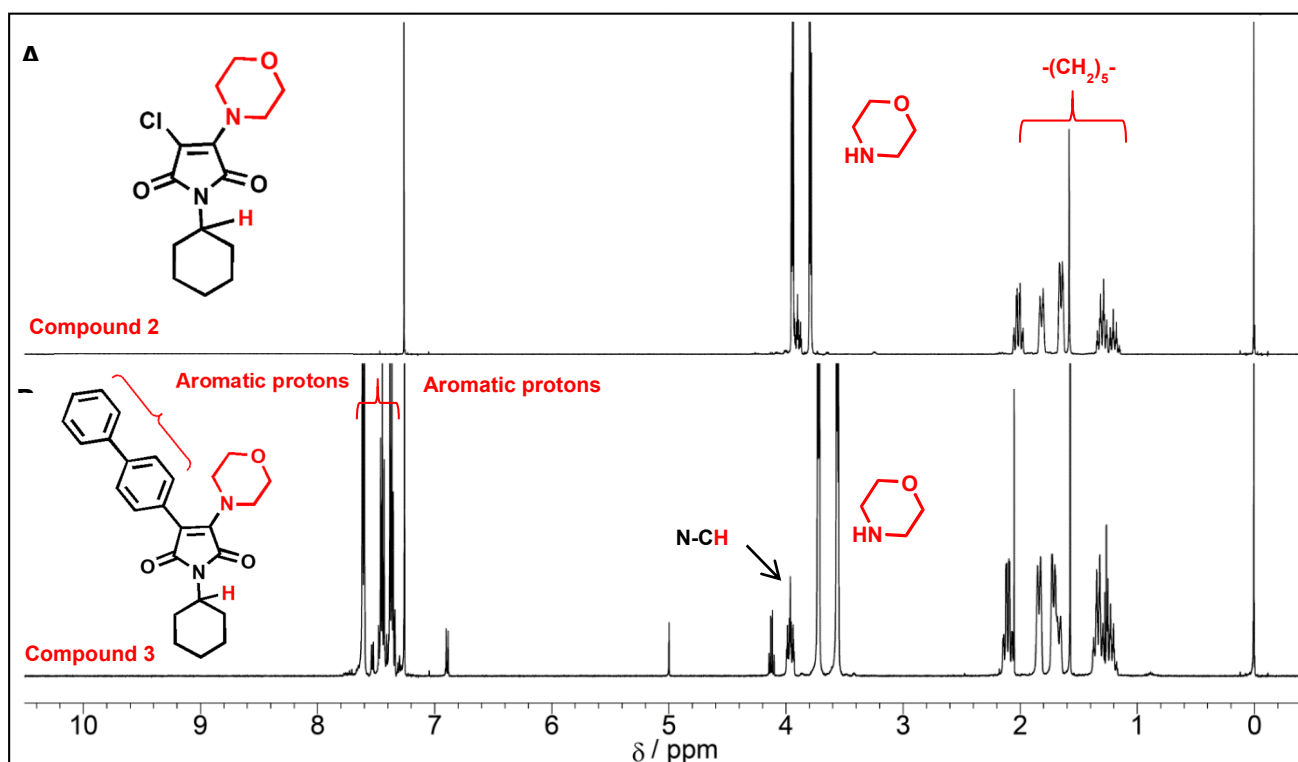
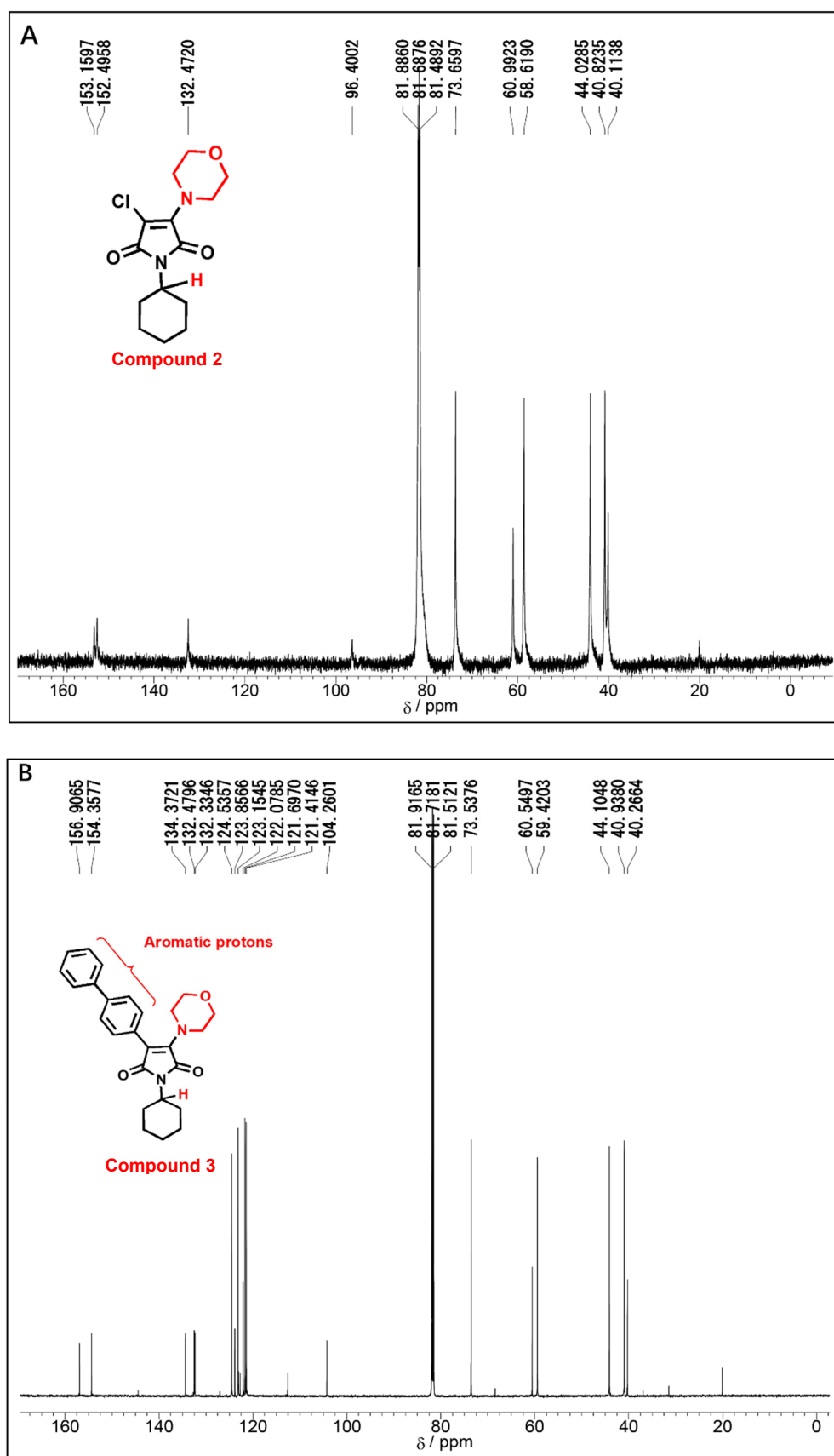
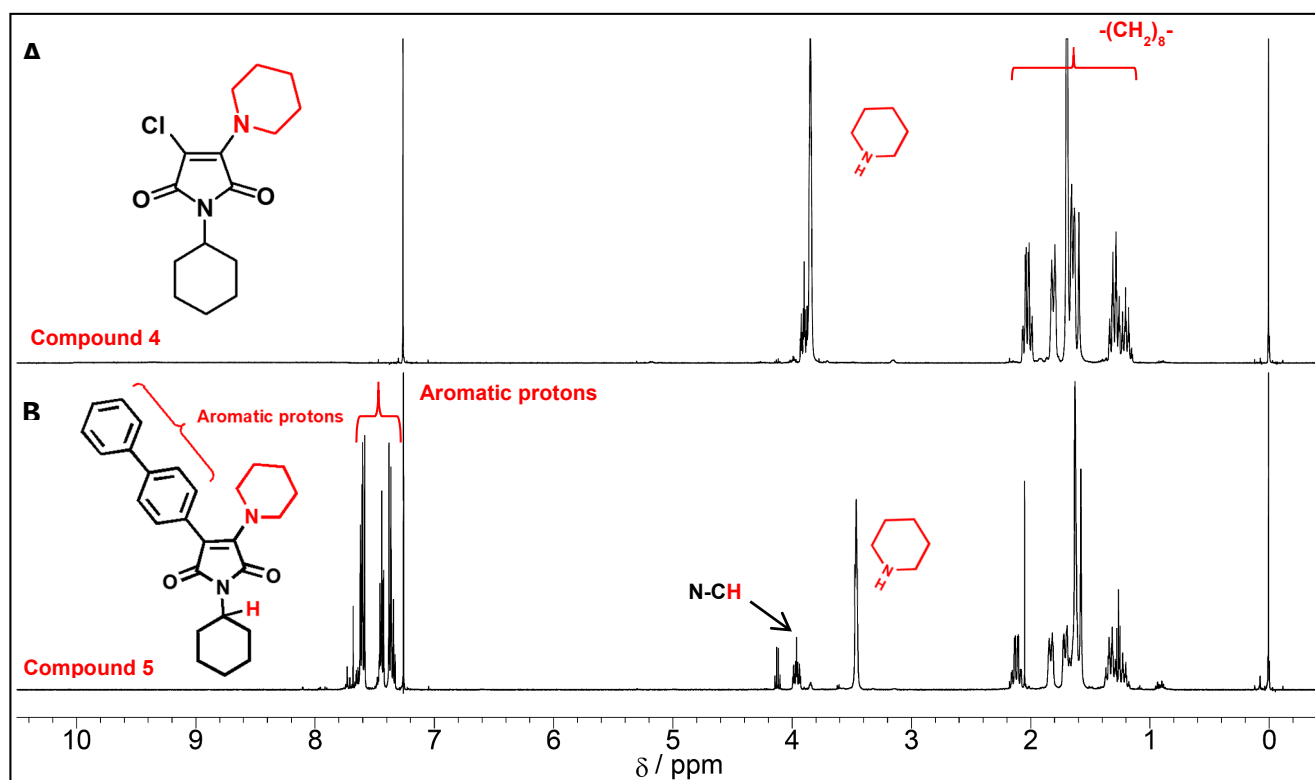


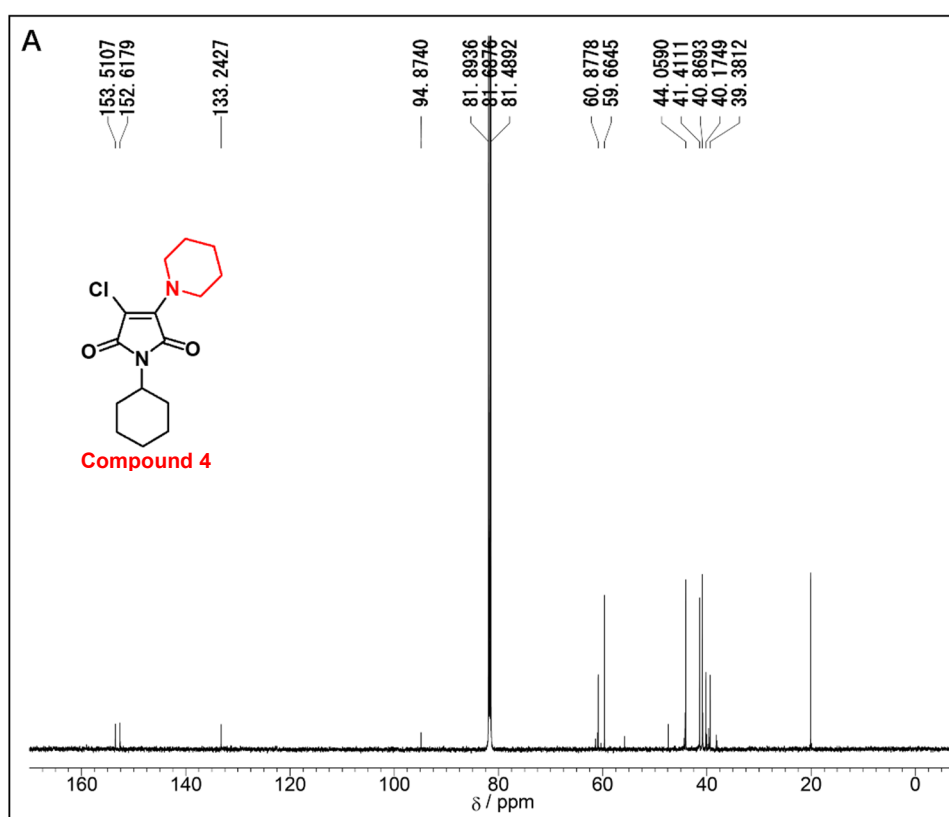
Figure S1 <sup>1</sup>H NMR Spectra of (A) **2** and (B) **3** in CDCl<sub>3</sub>.

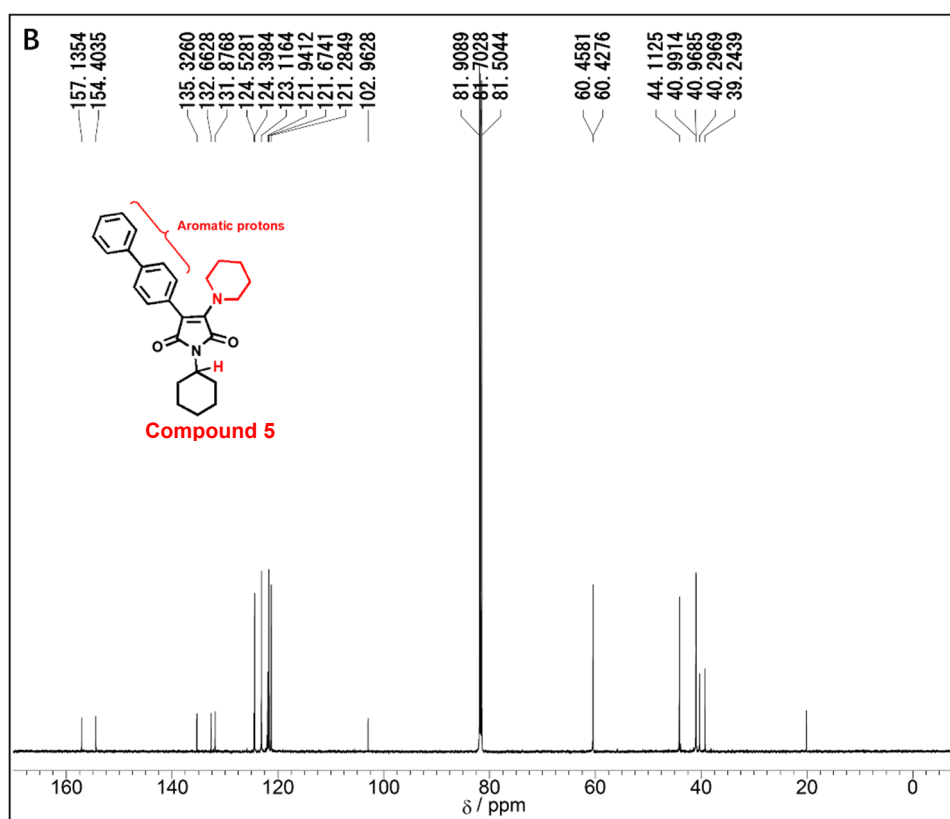


**Figure S2**  $^{13}\text{C}$  NMR Spectra of (A) **2** and (B) **3** in  $\text{CDCl}_3$ .

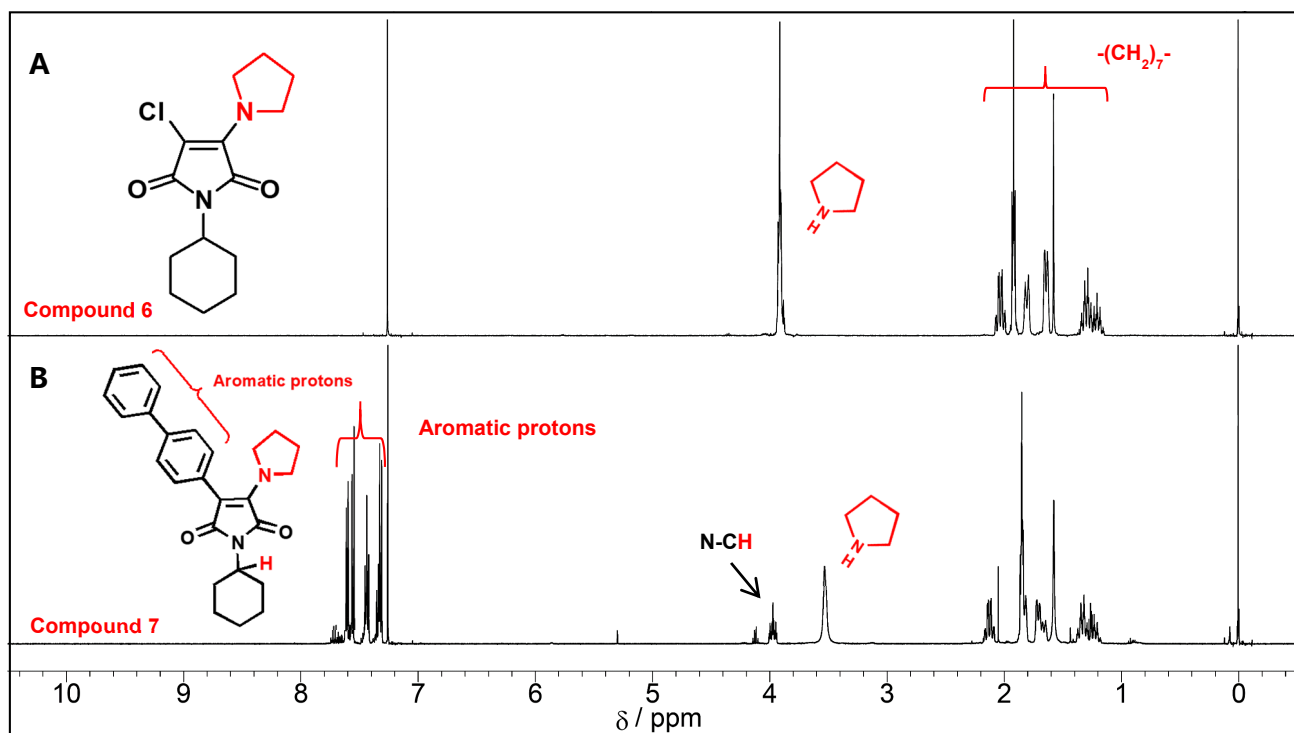


**Figure S3**  $^1\text{H}$  NMR Spectra of (A) **4** and (B) **5** in  $\text{CDCl}_3$ .

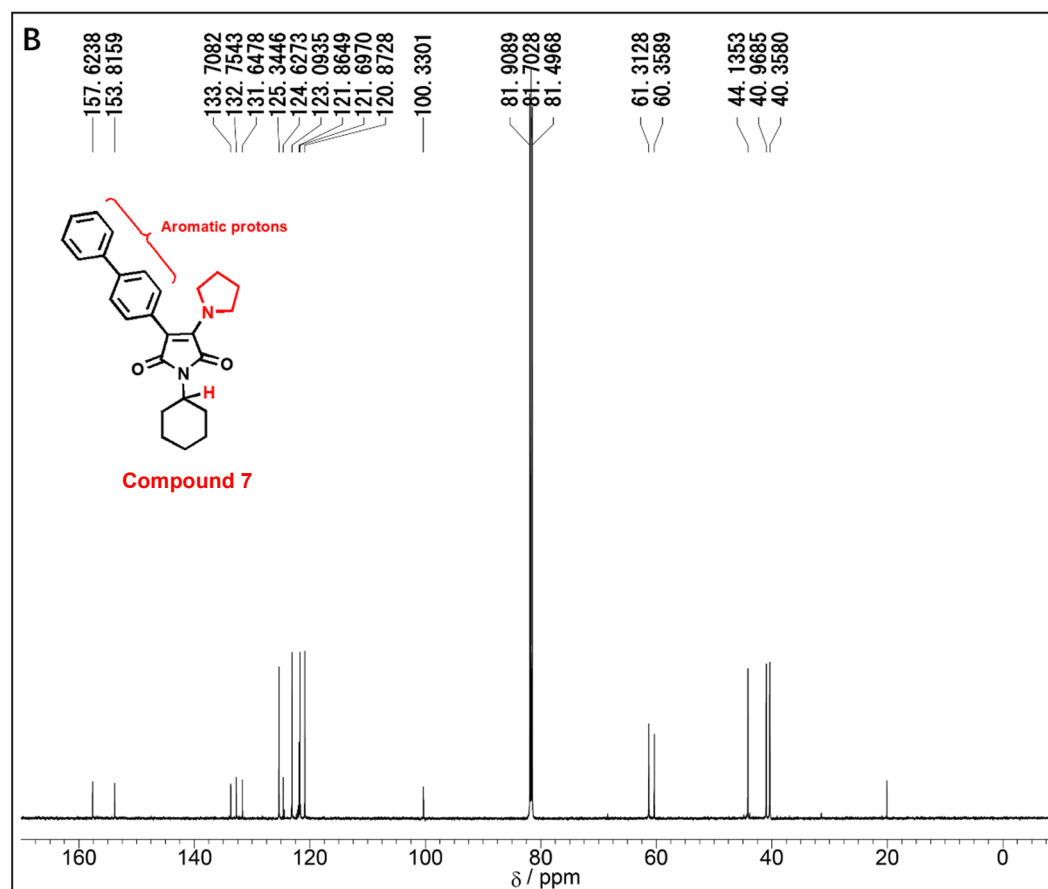
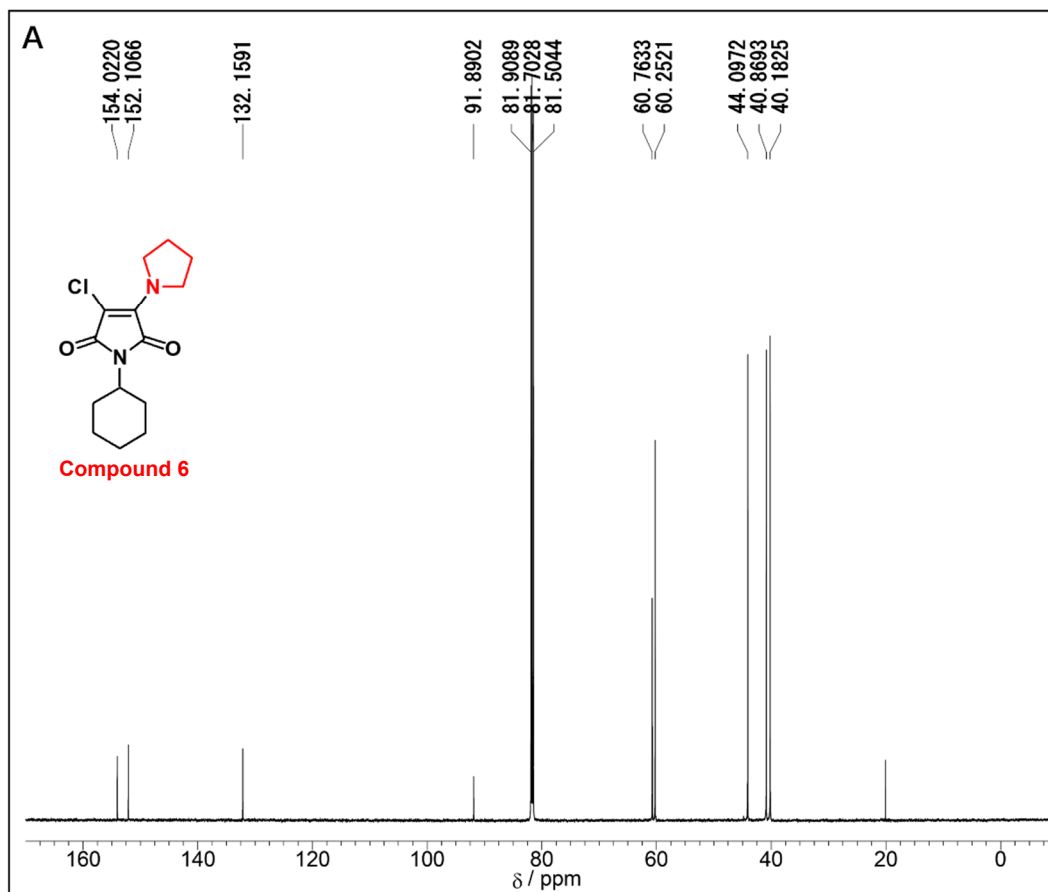




**Figure S4**  $^{13}\text{C}$  NMR Spectra of (A) **4** and (B) **5** in  $\text{CDCl}_3$ .



**Figure S5**  $^1\text{H}$  NMR Spectra of (A) **6** and (B) **7** in  $\text{CDCl}_3$



**Figure S6**  $^{13}\text{C}$  NMR Spectra of (A) **6** and (B) **7** in  $\text{CDCl}_3$ .

## 2. UV/Vis absorption spectra and photoluminescence (PL) spectra in different solvents for Products

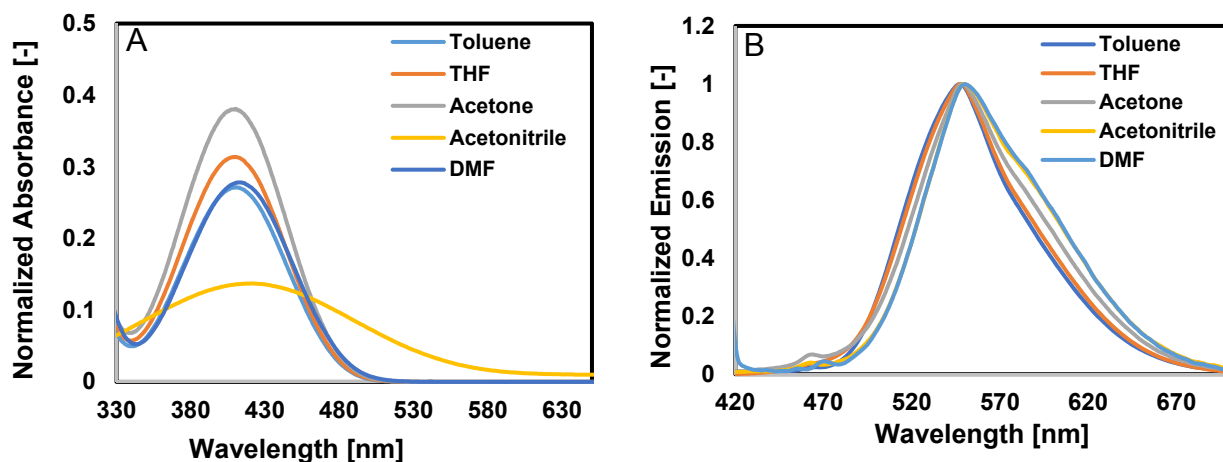


Figure S7 (A) UV spectra and (B) PL spectra of compound 3 in different solvents (*conc.*:  $1.0 \times 10^{-4}$  mol/L).

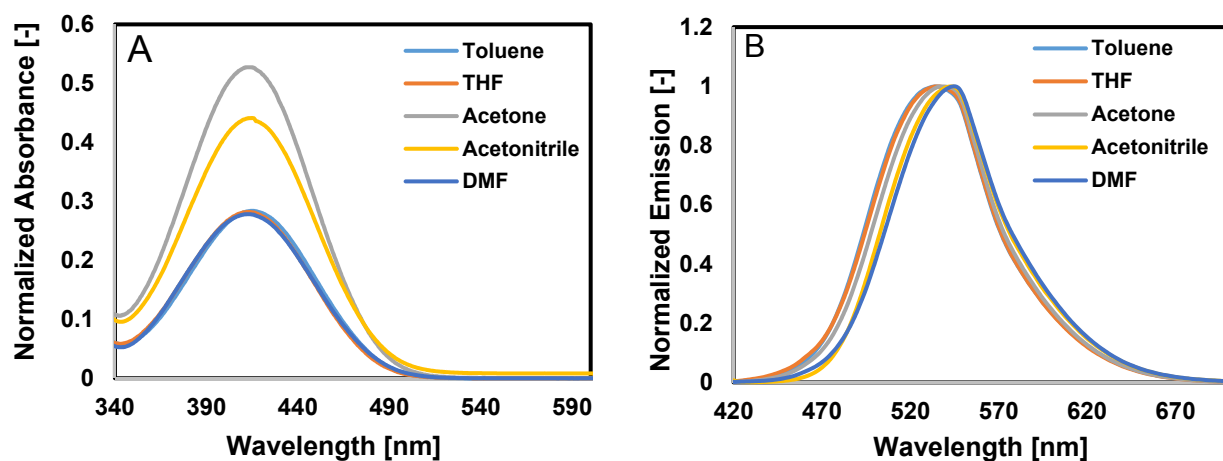


Figure S8 (A) UV spectra and (B) PL spectra of compound 5 in different solvents (*conc.*:  $1.0 \times 10^{-4}$  mol/L).

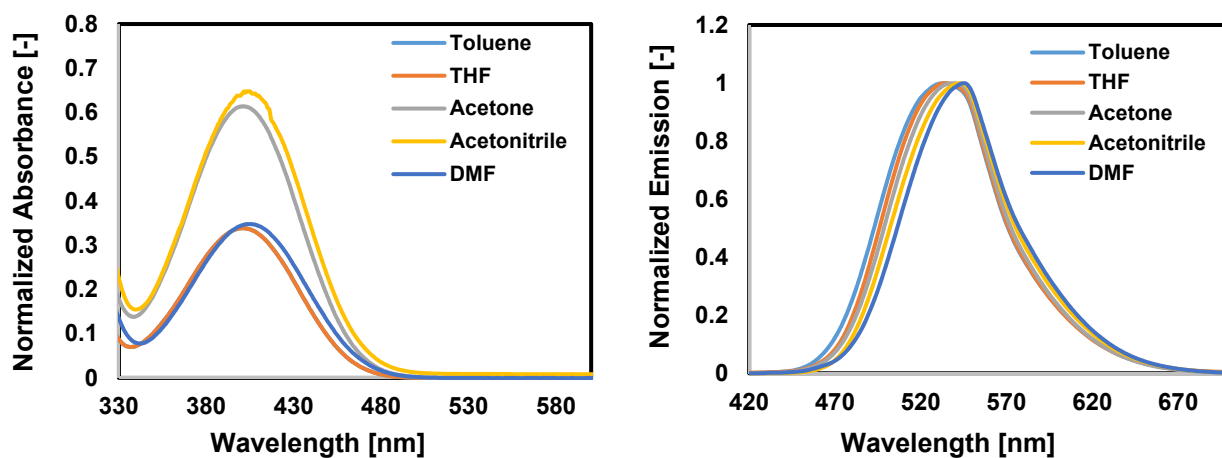


Figure S9 (A) UV spectra and (B) PL spectra of compound 7 in different solvents (*conc.*:  $1.0 \times 10^{-4}$  mol/L).