

**Electronic Supplementary Information (ESI) for New Journal of Chemistry**

**Synthesis and application of reversible fluorescent photochromic  
molecules based on tetraphenylethylene and photochromic groups**

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## $^1\text{H}$ NMR, MS spectra of the compounds

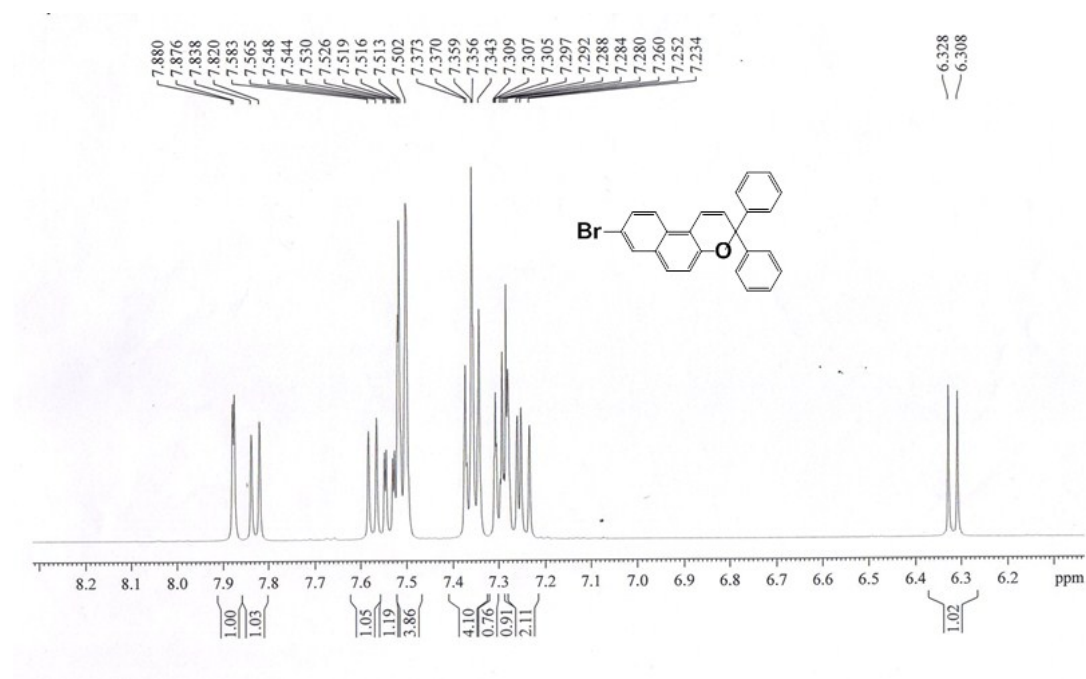


Figure S1  $^1\text{H}$  NMR spectrum of (1)

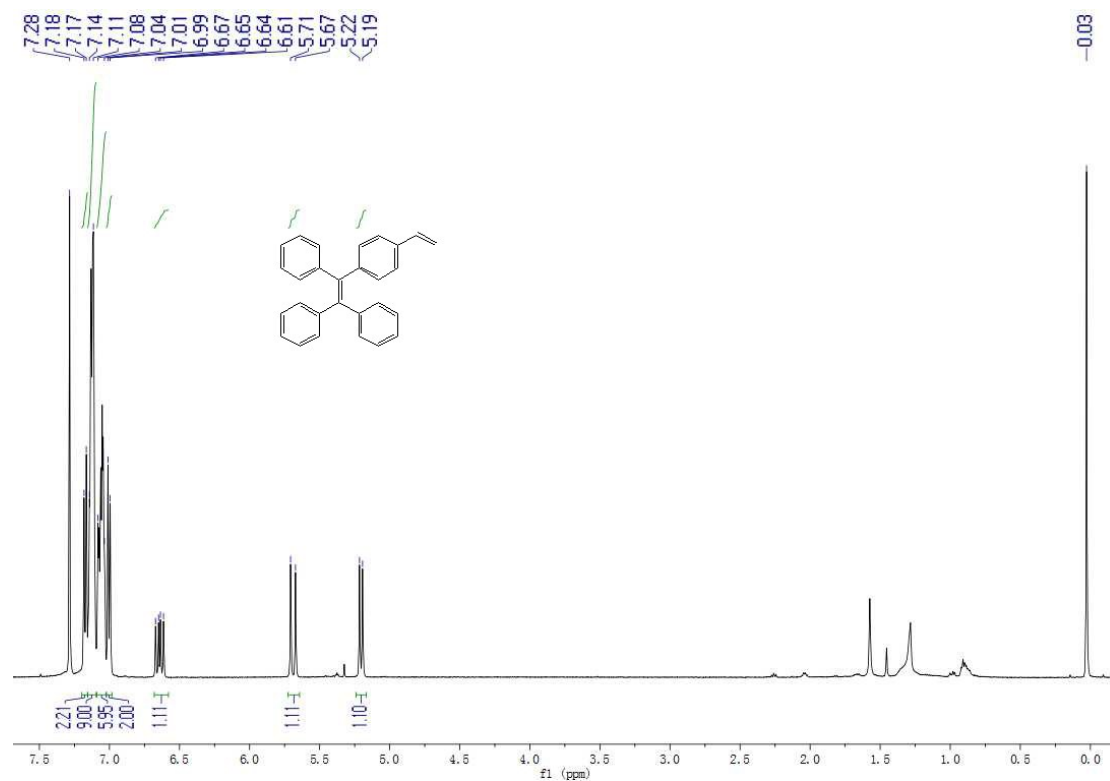


Figure S2  $^1\text{H}$  NMR spectrum of (2)

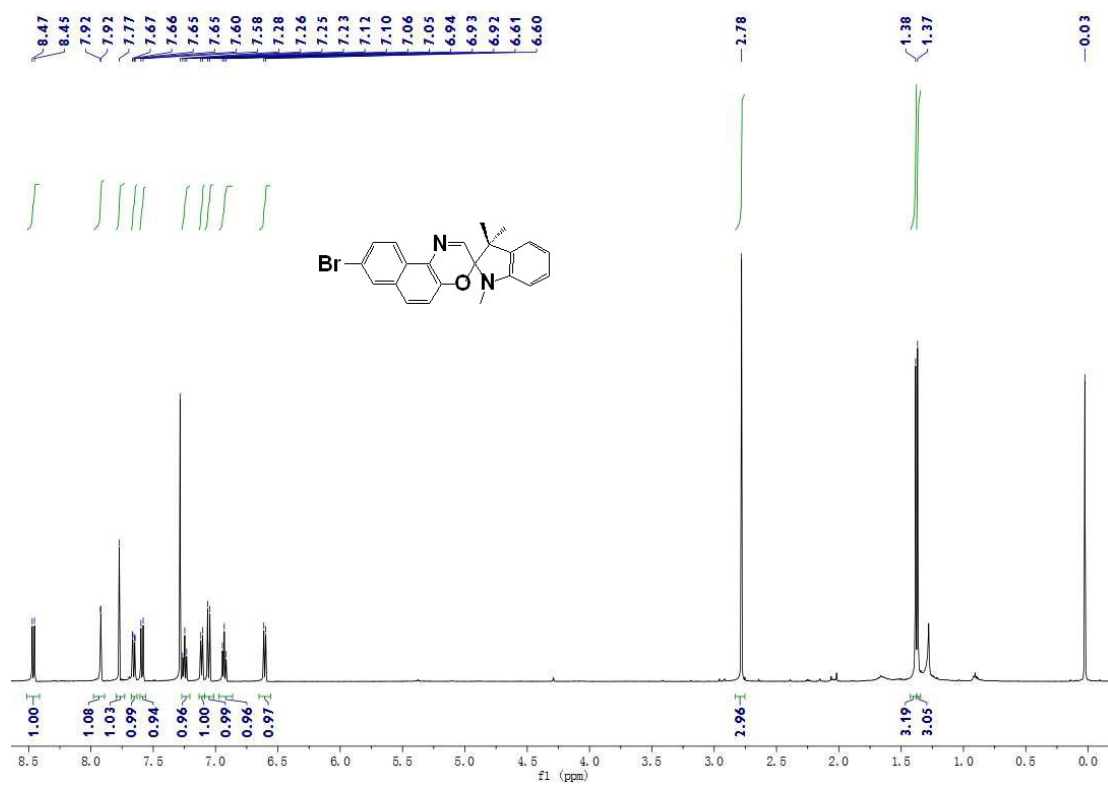


Figure S3 <sup>1</sup>H NMR spectrum of (4)

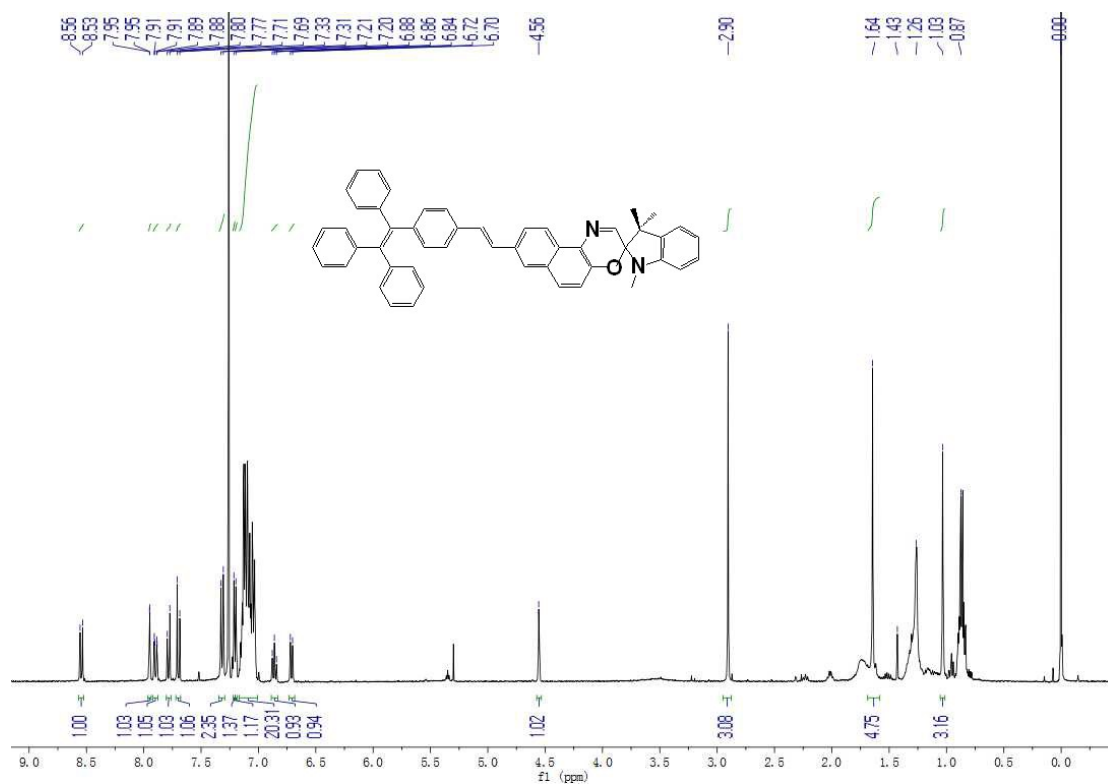
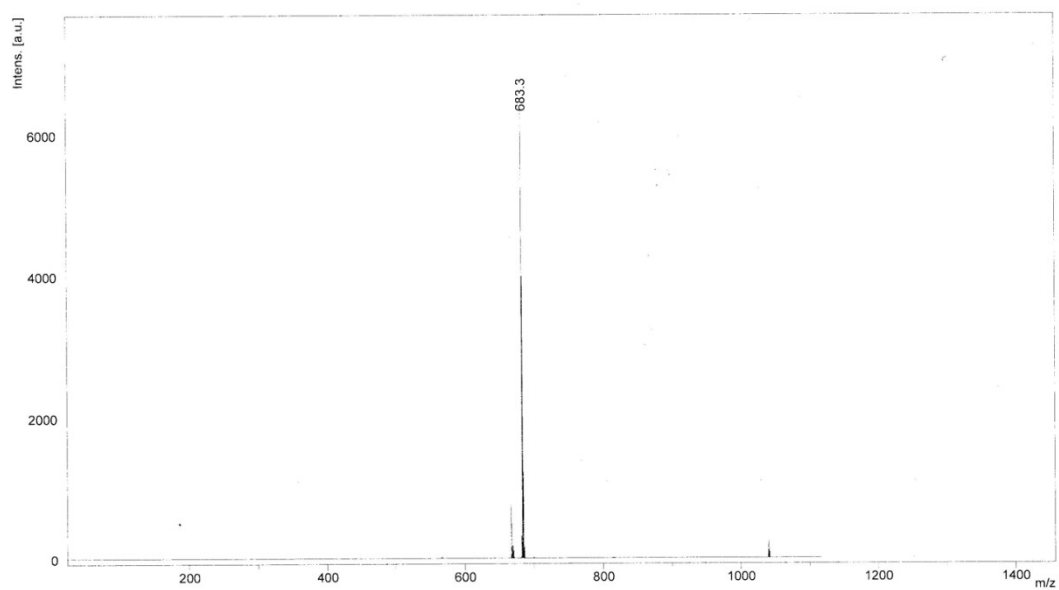
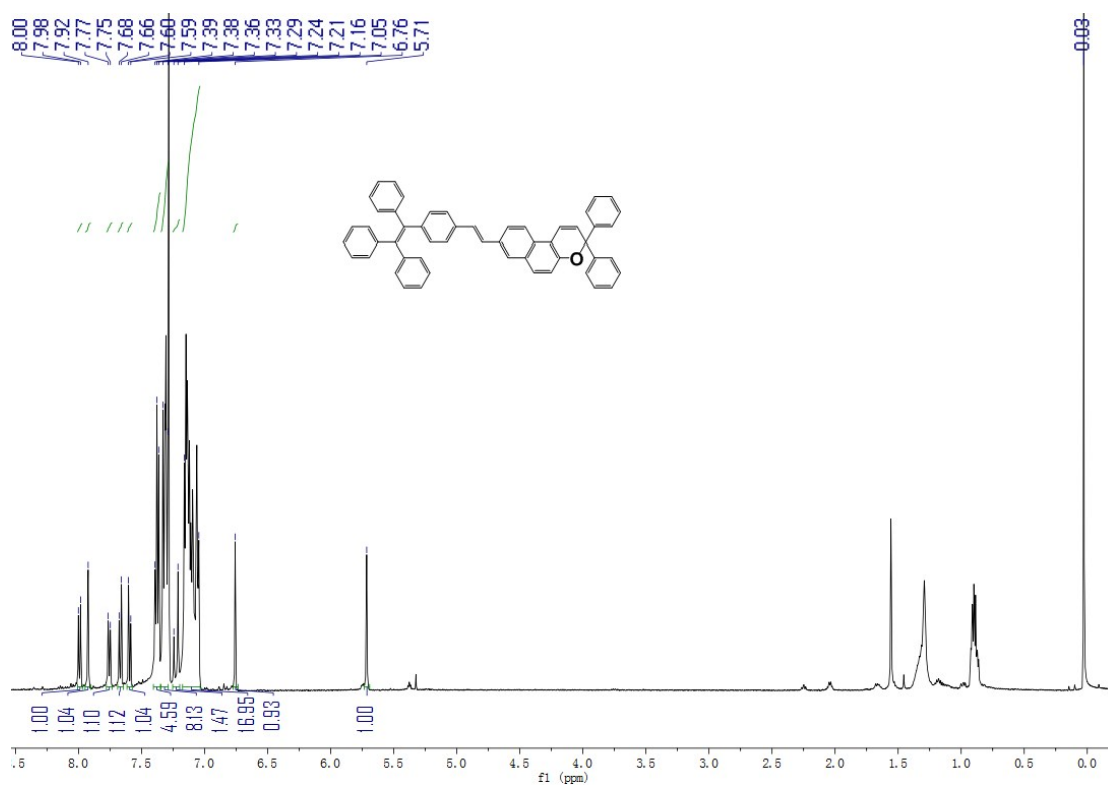


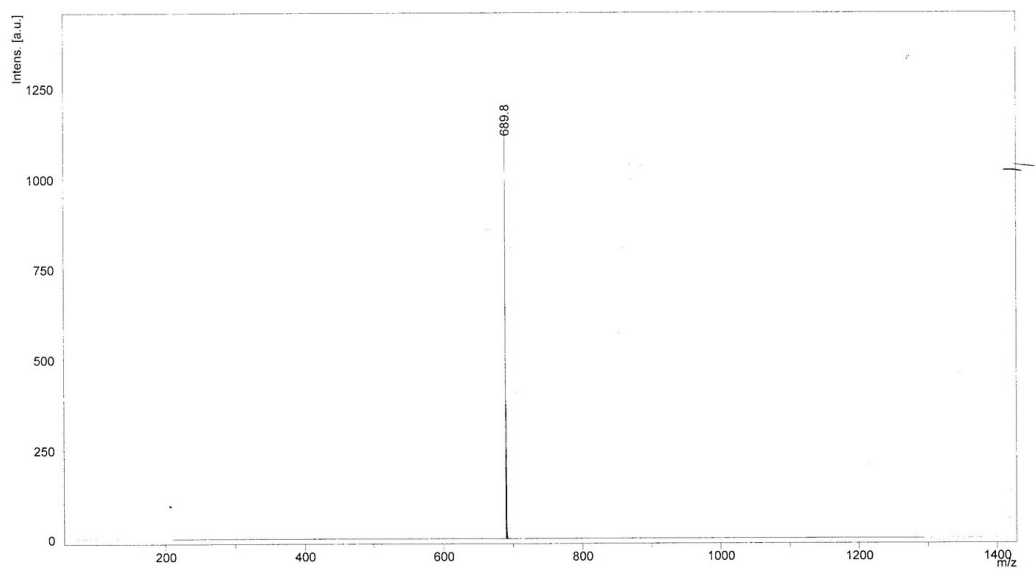
Figure S4 <sup>1</sup>H NMR spectrum of TPE-SO



**Figure S5** MALDI-TOF MS spectrum of **TPE-SO**



**Figure S6** <sup>1</sup>H NMR spectrum of **TPE-NP**



**Figure S7** MALDI-TOF MS spectrum of **TPE-NP**