

Supporting Information

Nitroaromatic fluorescent sensor from a novel tripyrenyl truxene

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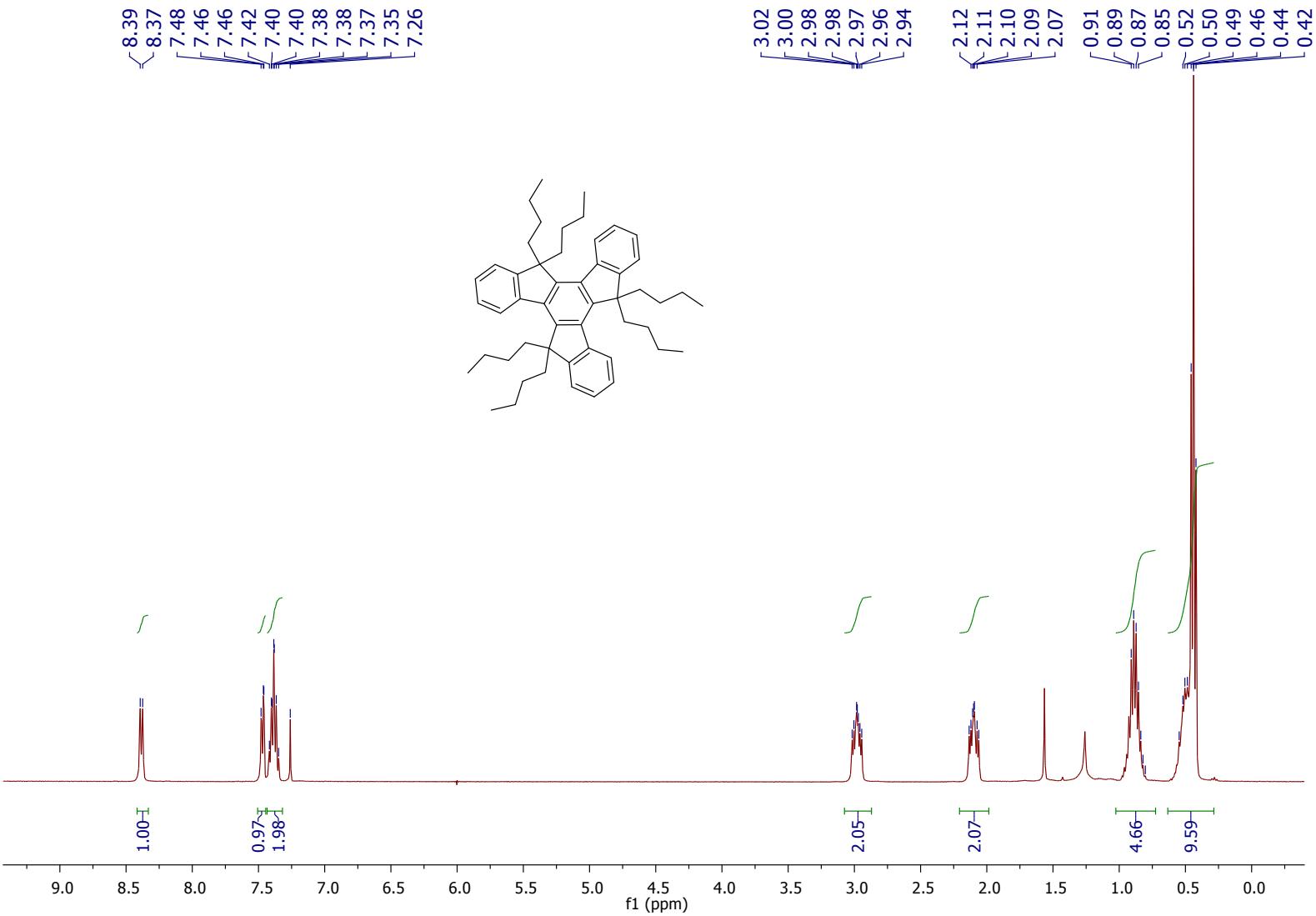


Figure S1 ^1H -NMR spectrum of **2**

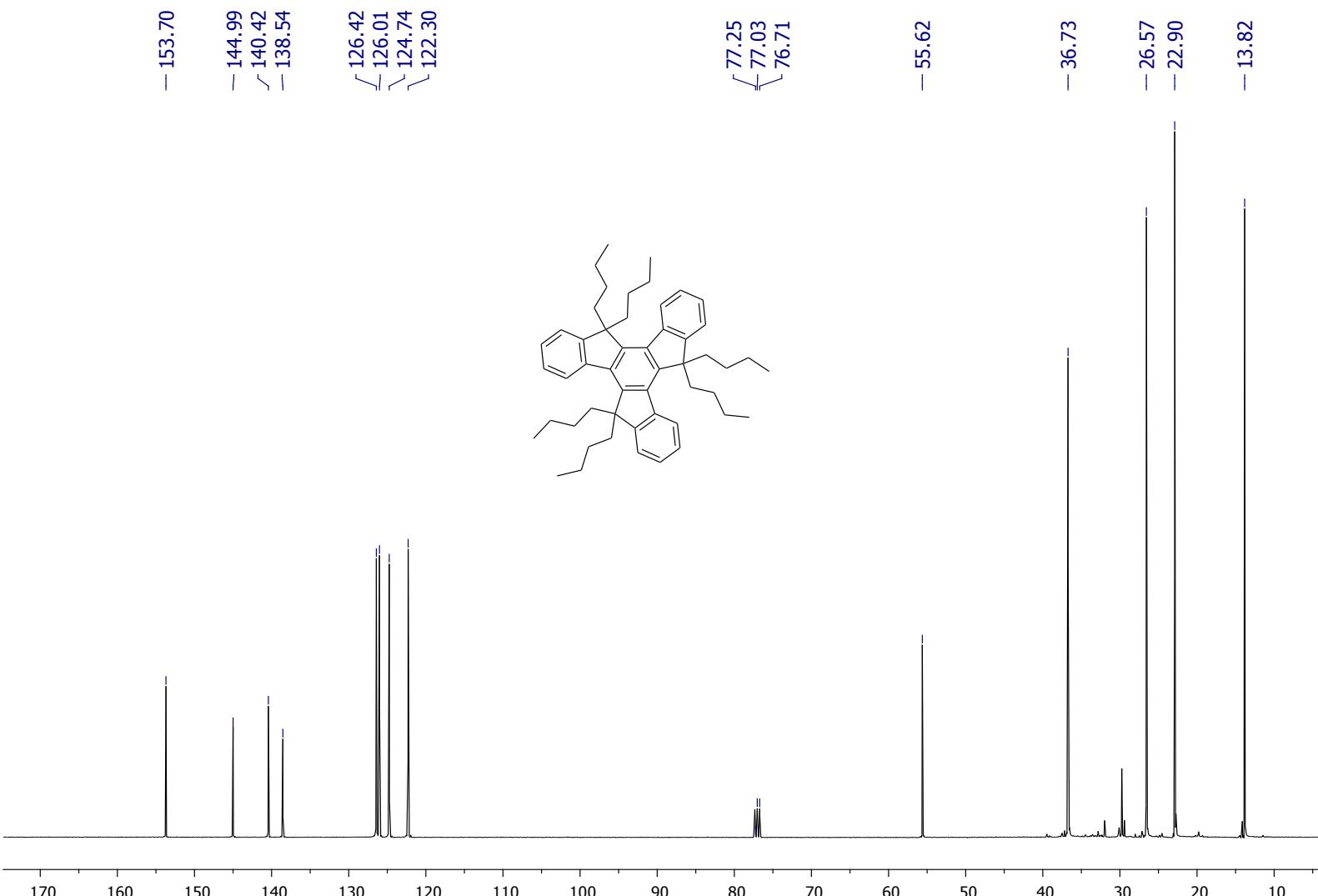


Figure S2 ^{13}C -NMR spectrum of **2**

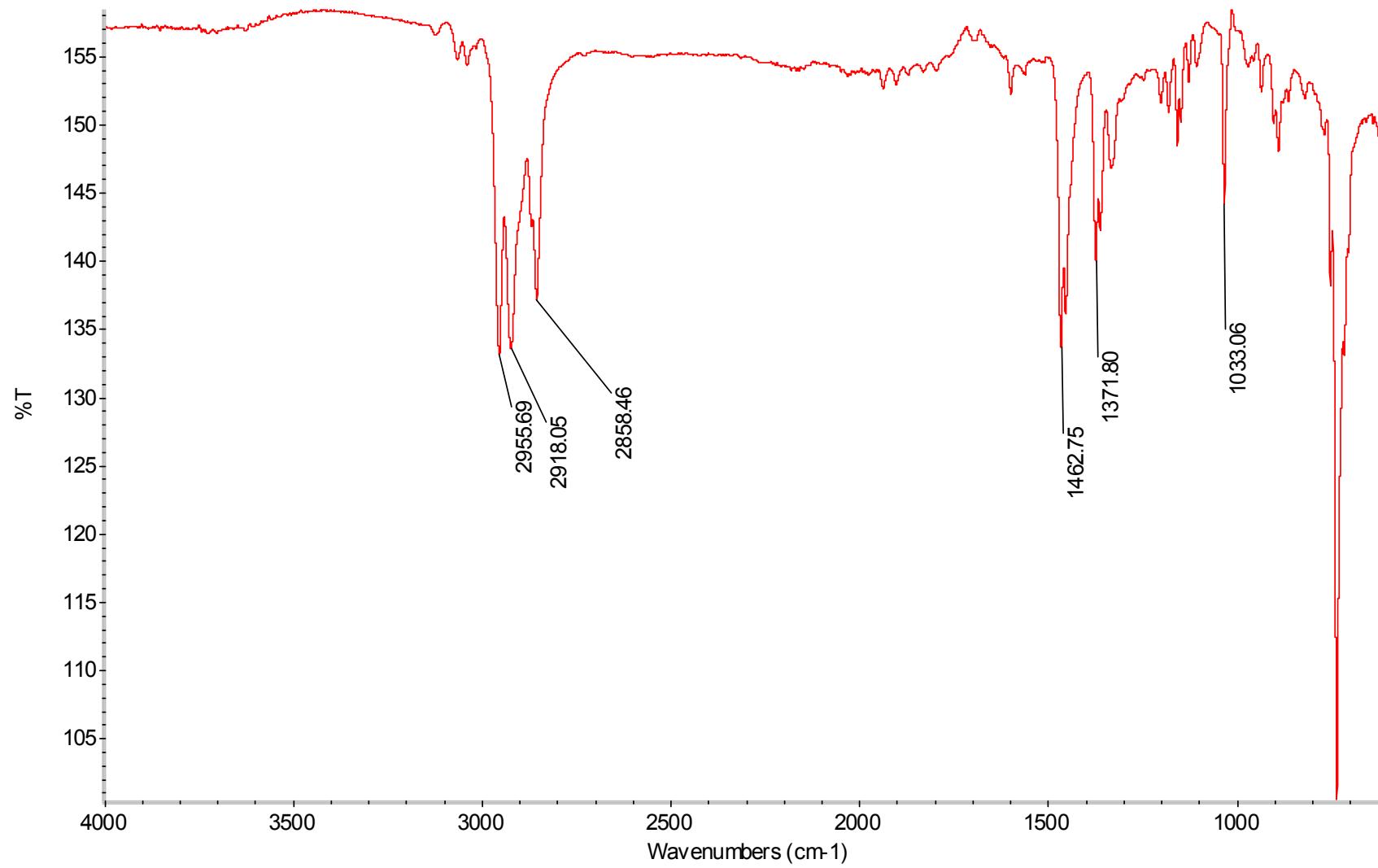


Figure S3 IR spectrum of **2**

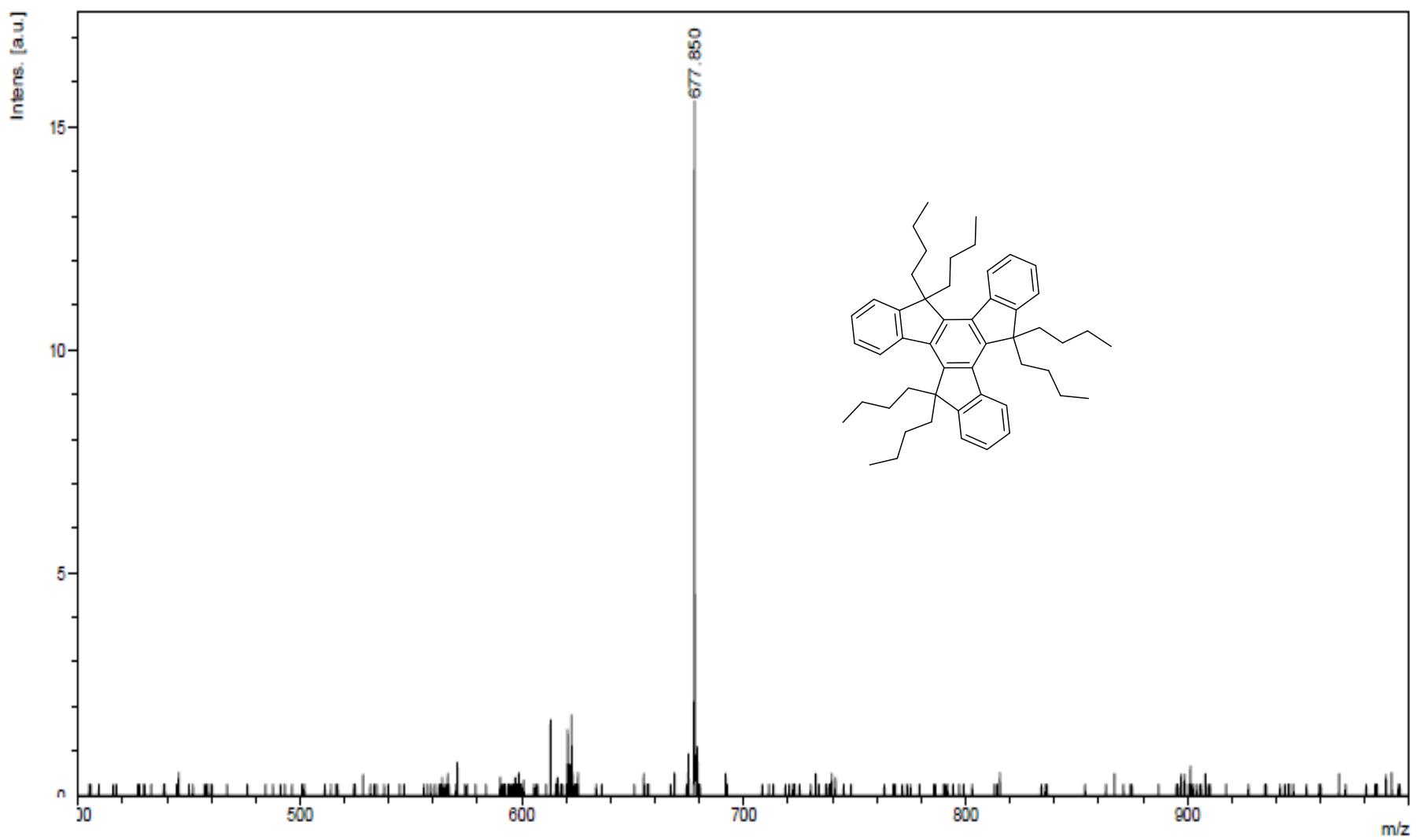


Figure S4 MALDI-TOF Mass spectrum of **2**

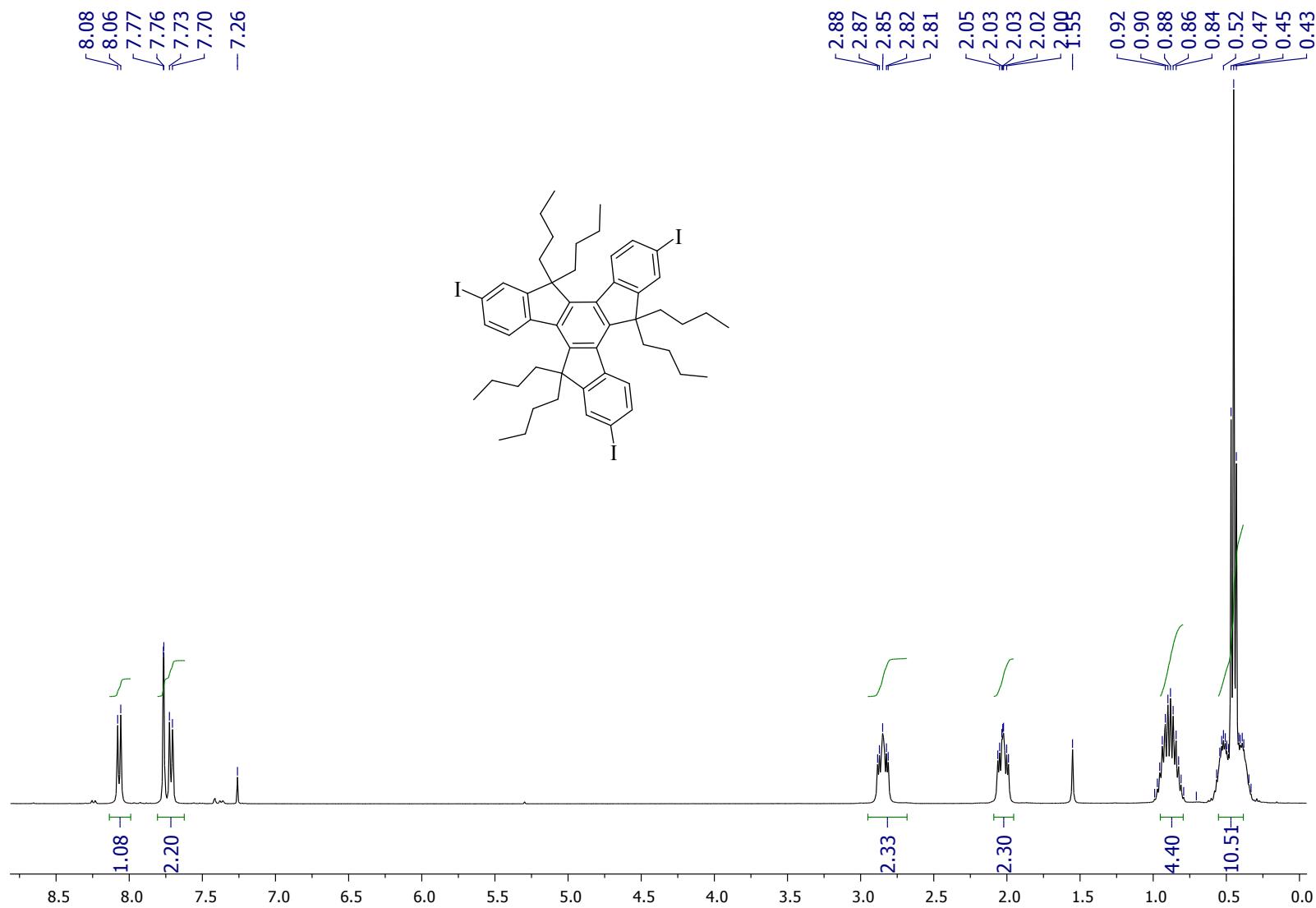


Figure S5 ^1H -NMR spectrum of **3**

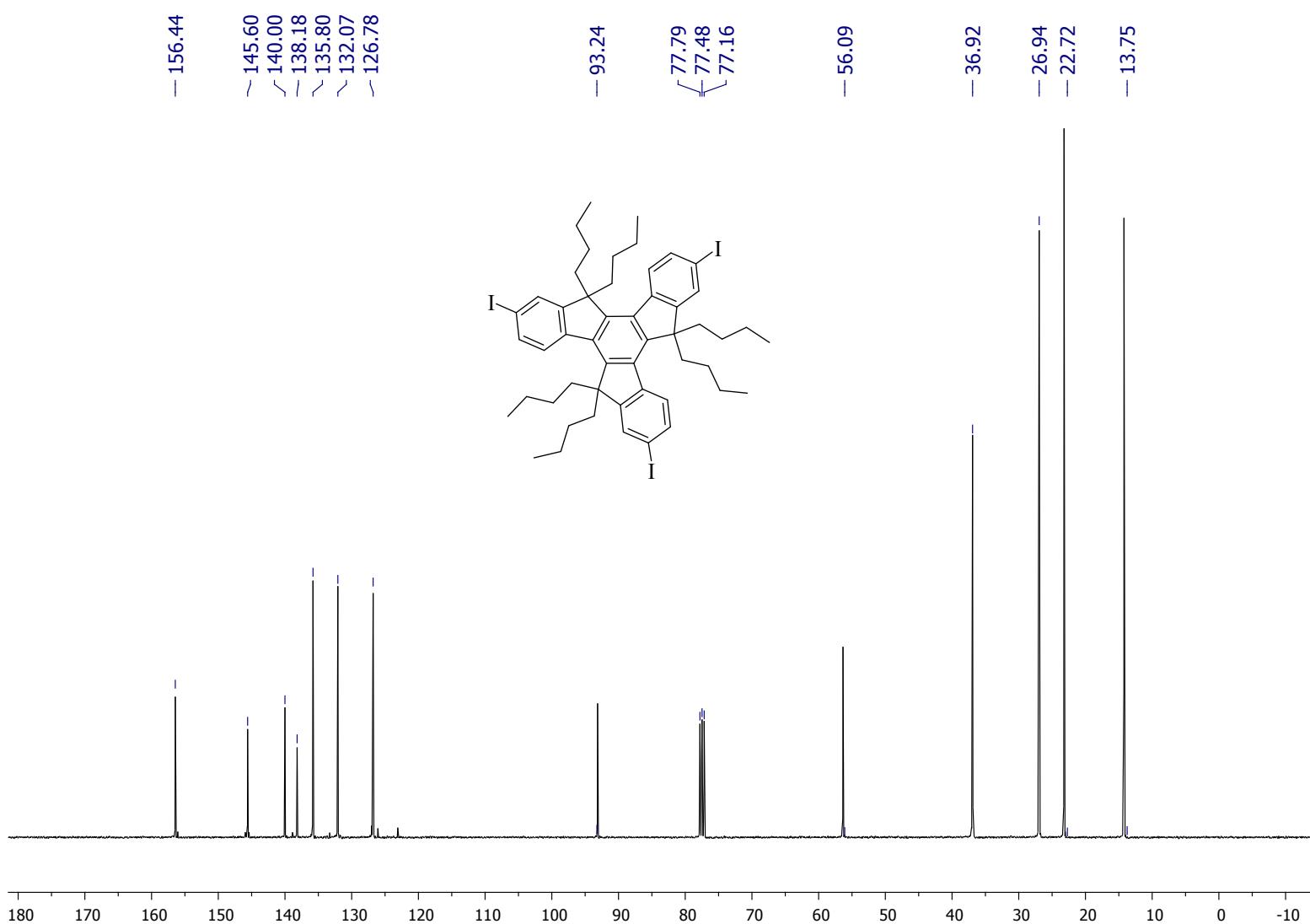


Figure S6 ^{13}C -NMR spectrum of **3**

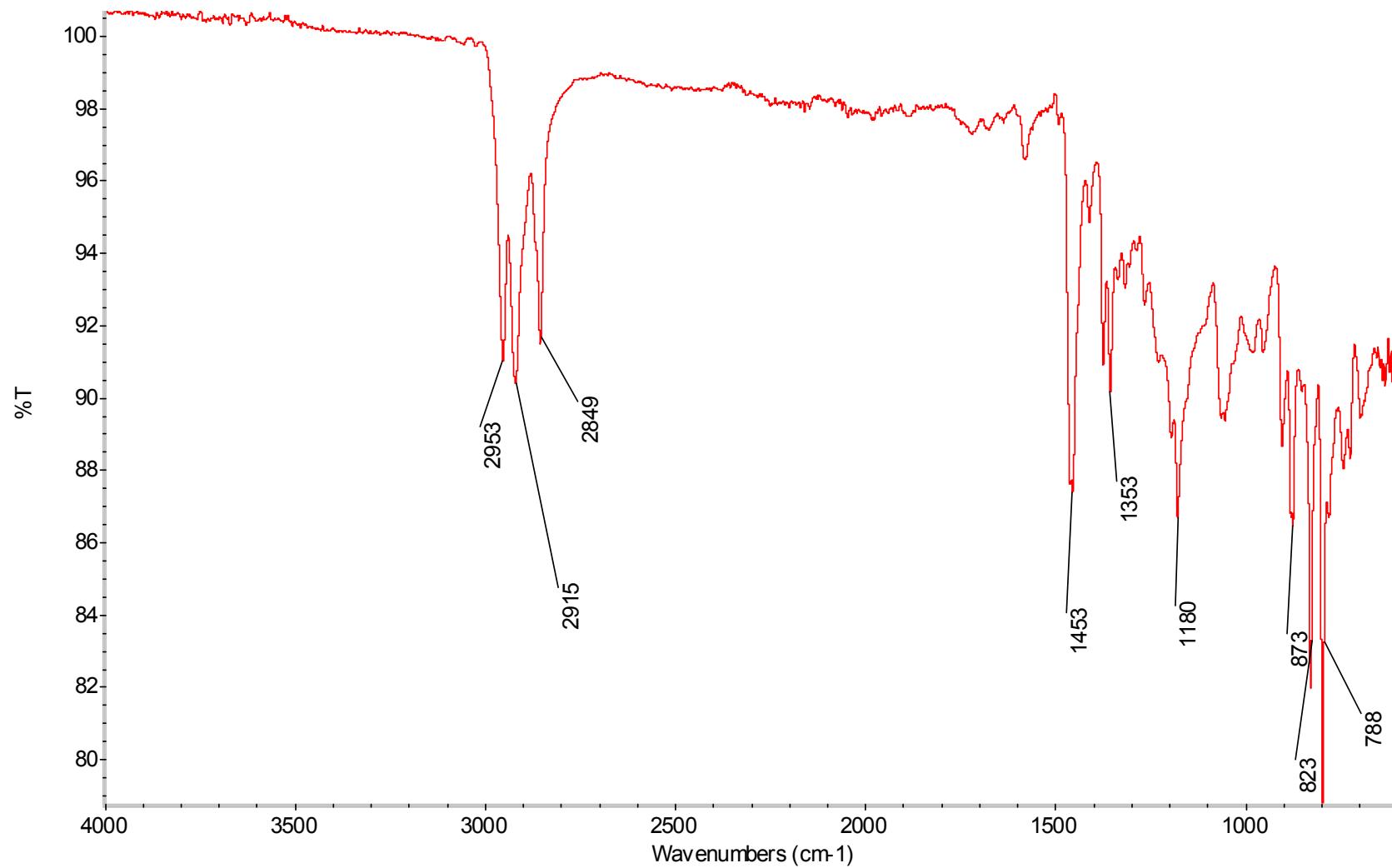


Figure S7 IR spectrum of **3**

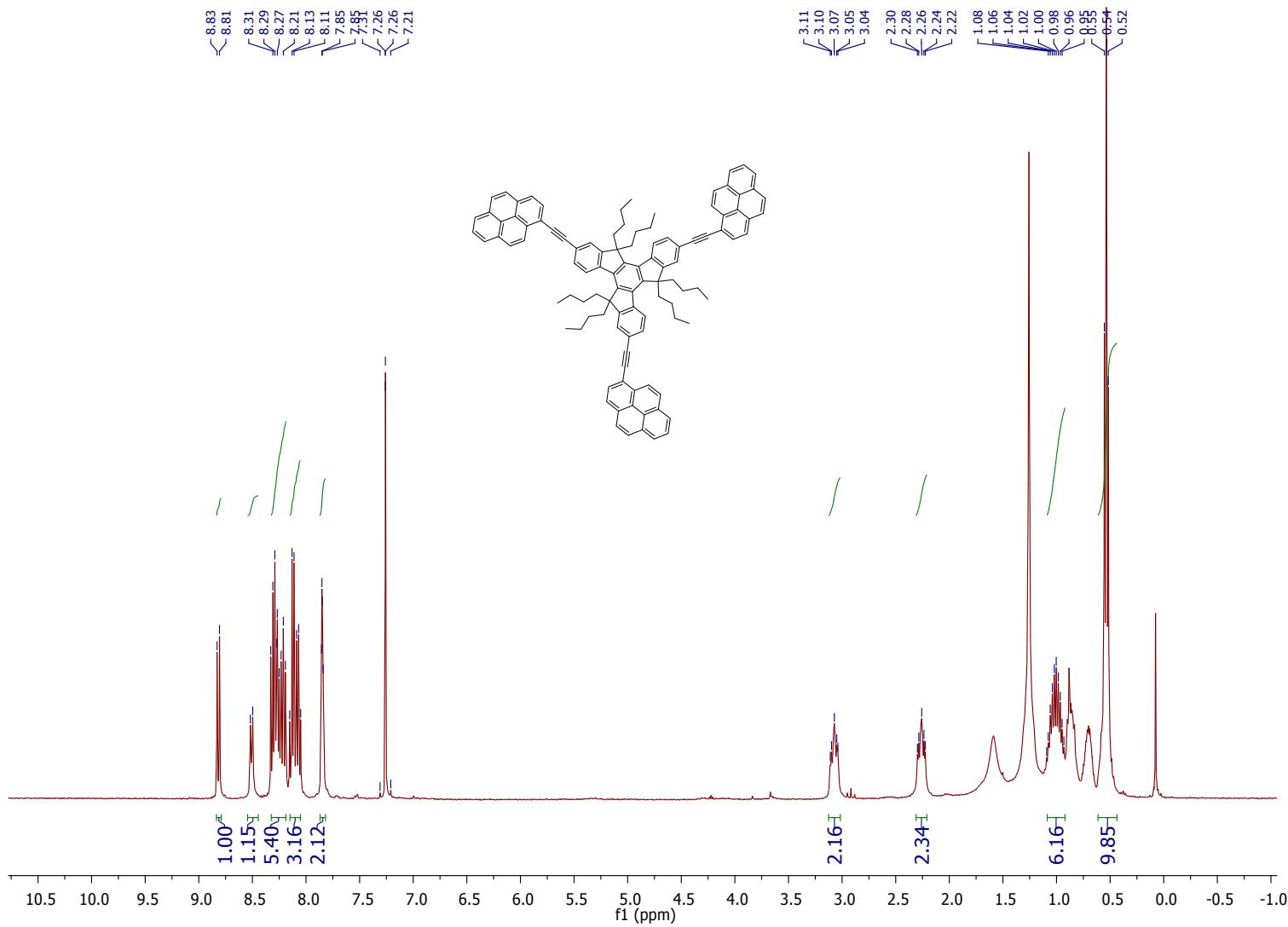


Figure S8 ¹H-NMR spectrum of **1**

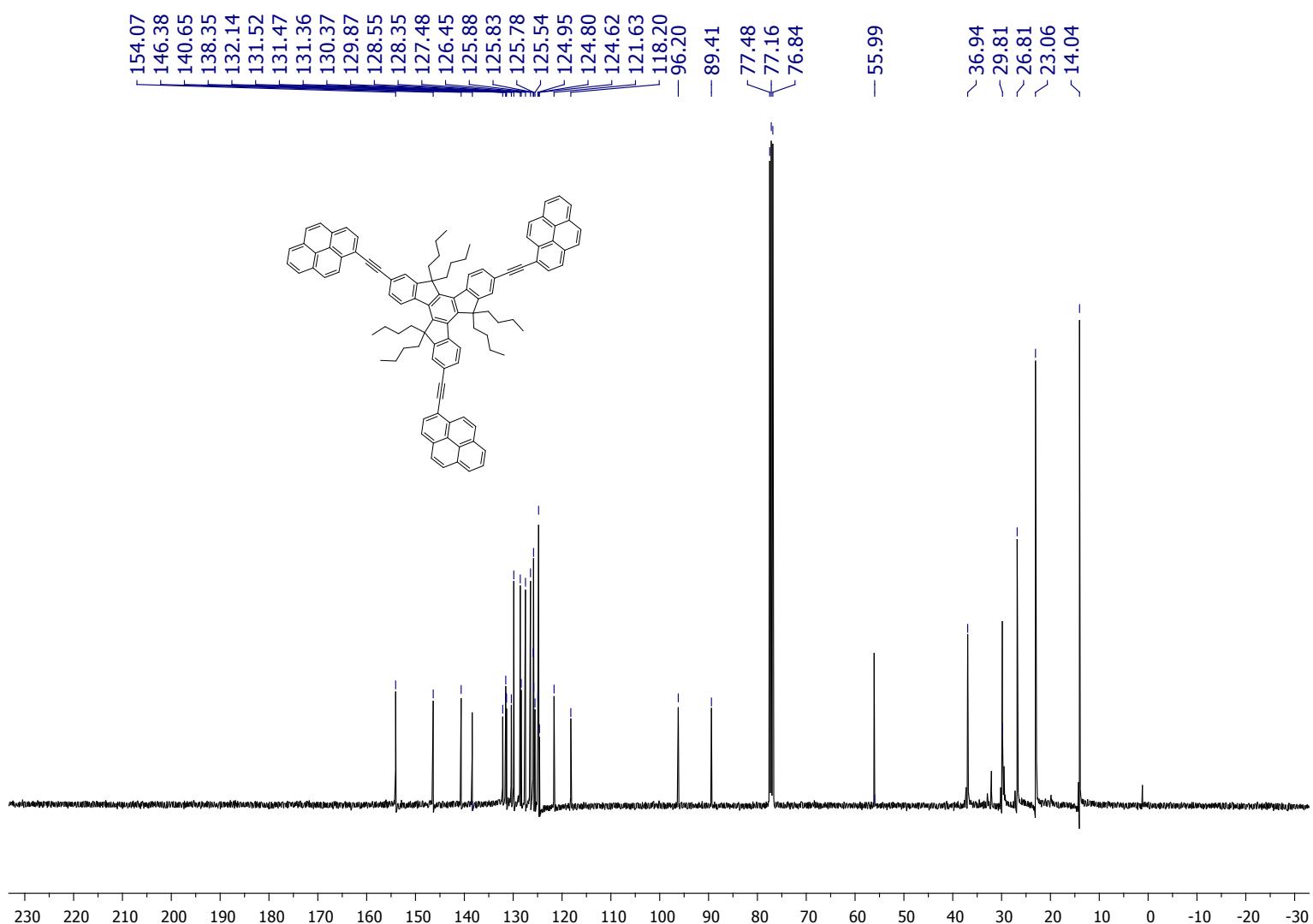


Figure S9 ^{13}C -NMR spectrum of **1**

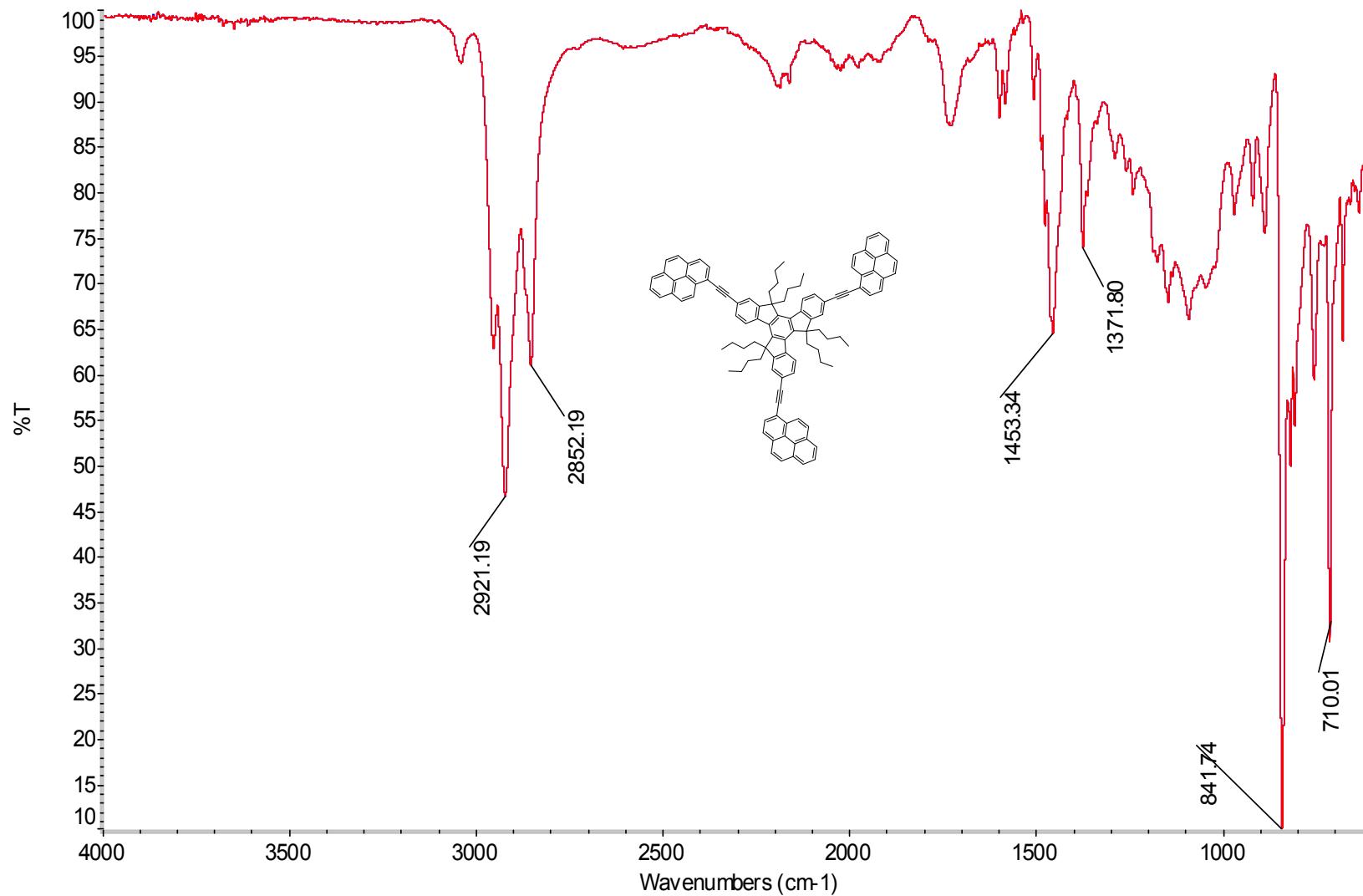


Figure S10 IR spectrum of **1**

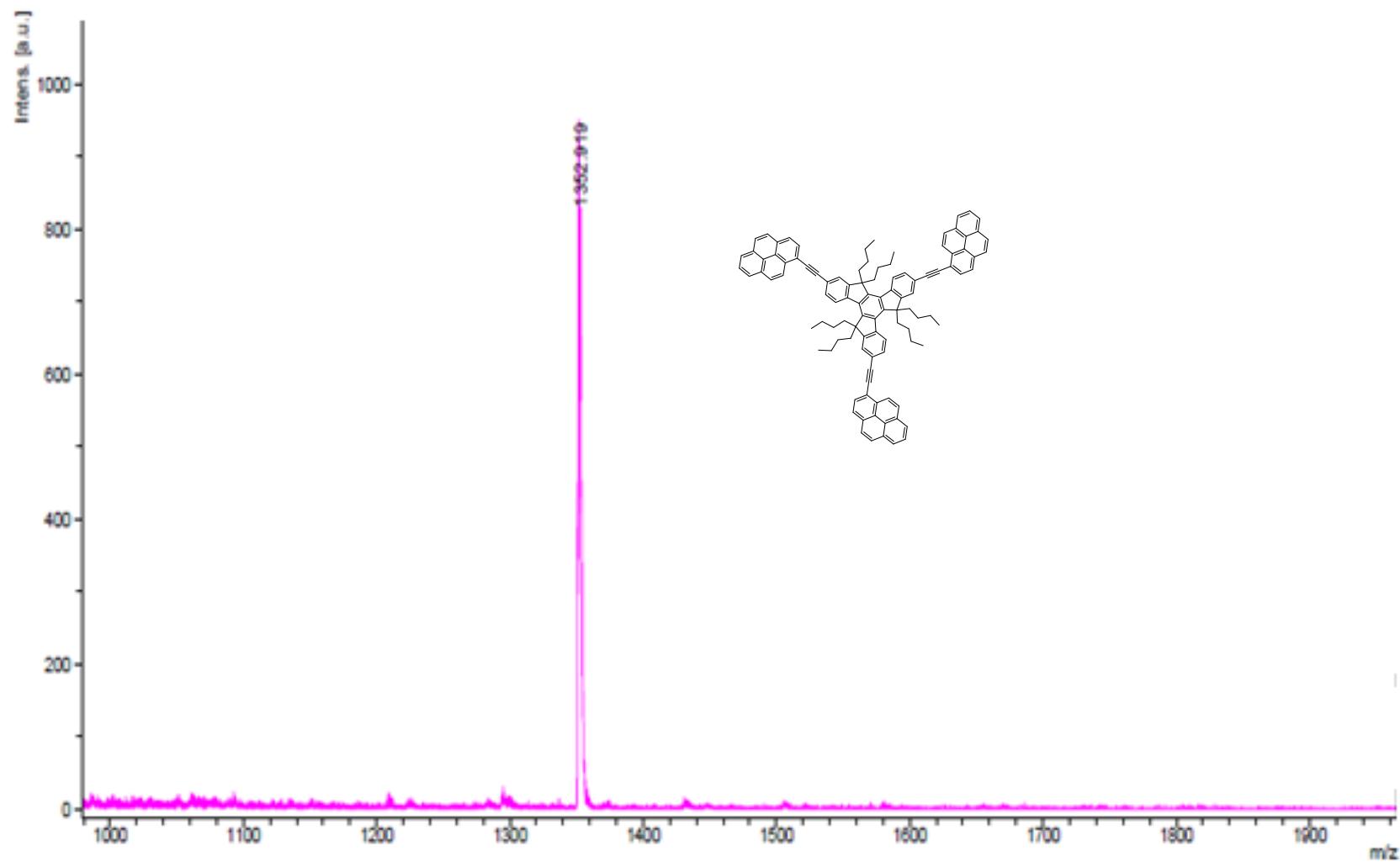


Figure S11 MALDI-TOF Mass spectrum of **1**

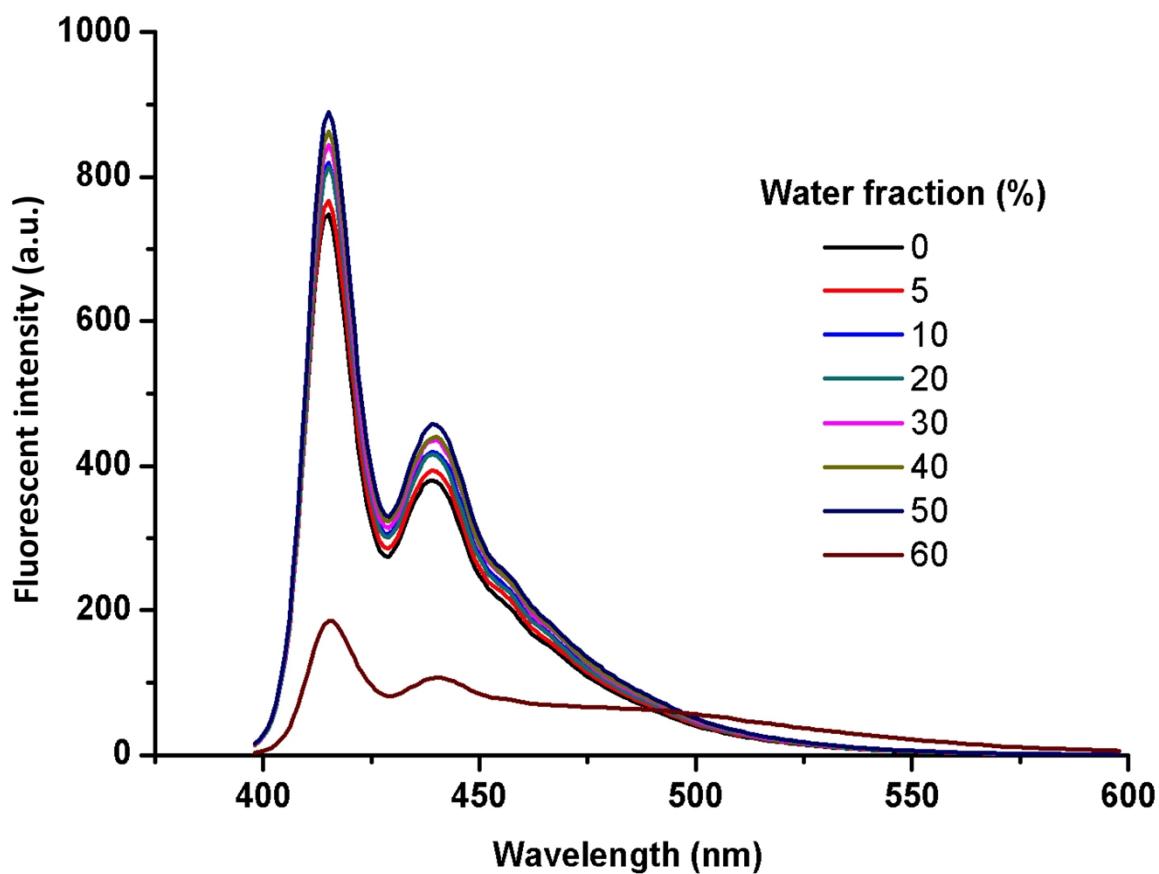


Figure S12 Fluorescent spectra of **1** in THF with various water contents.

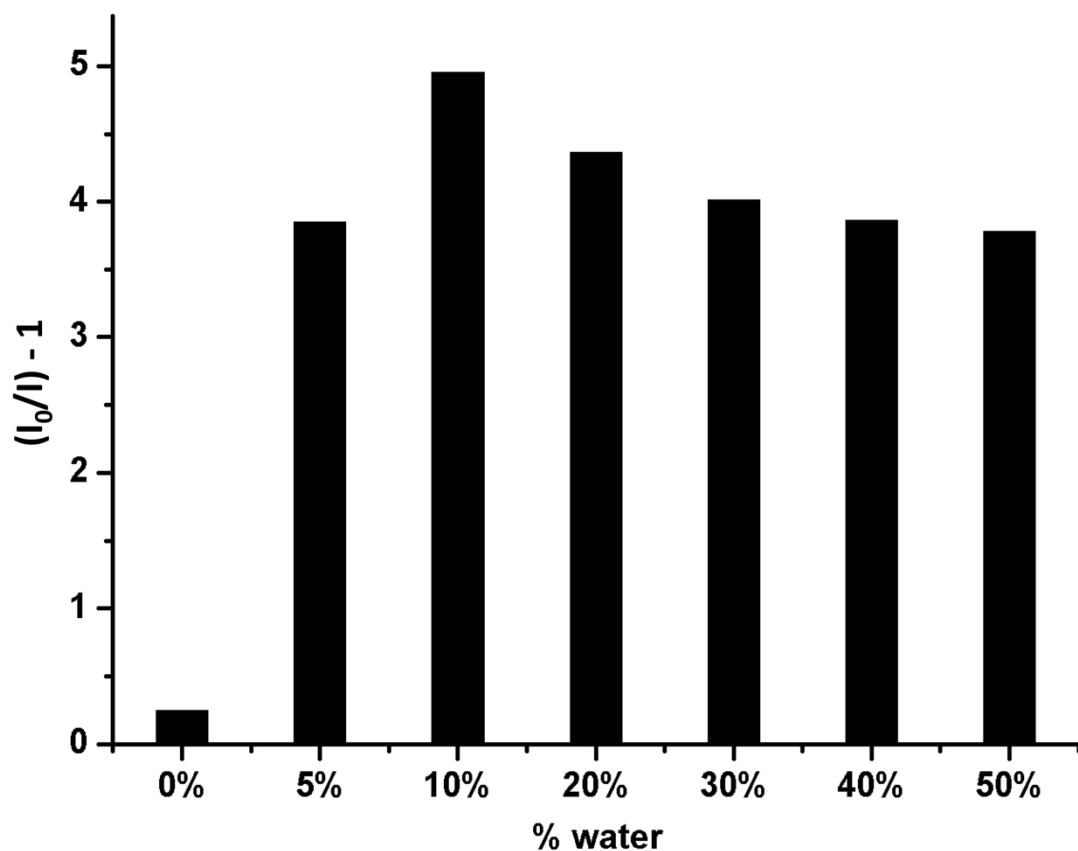


Figure S13 Effect of water content in THF on fluorescent quenching efficiency of **1** (1 μ M) by picric acid (0.1 mM)

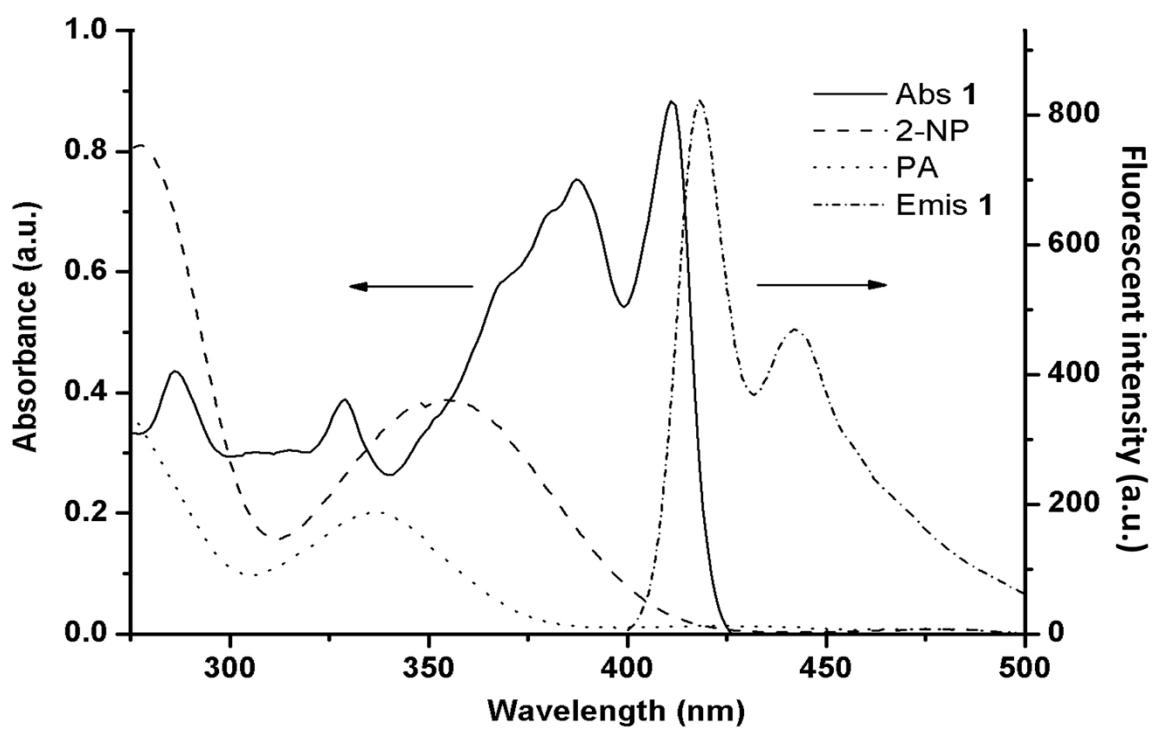


Figure S14 Absorption spectra of **1**, 2-nitrophenol and picric acid, and emission spectrum of **1** in CHCl_3

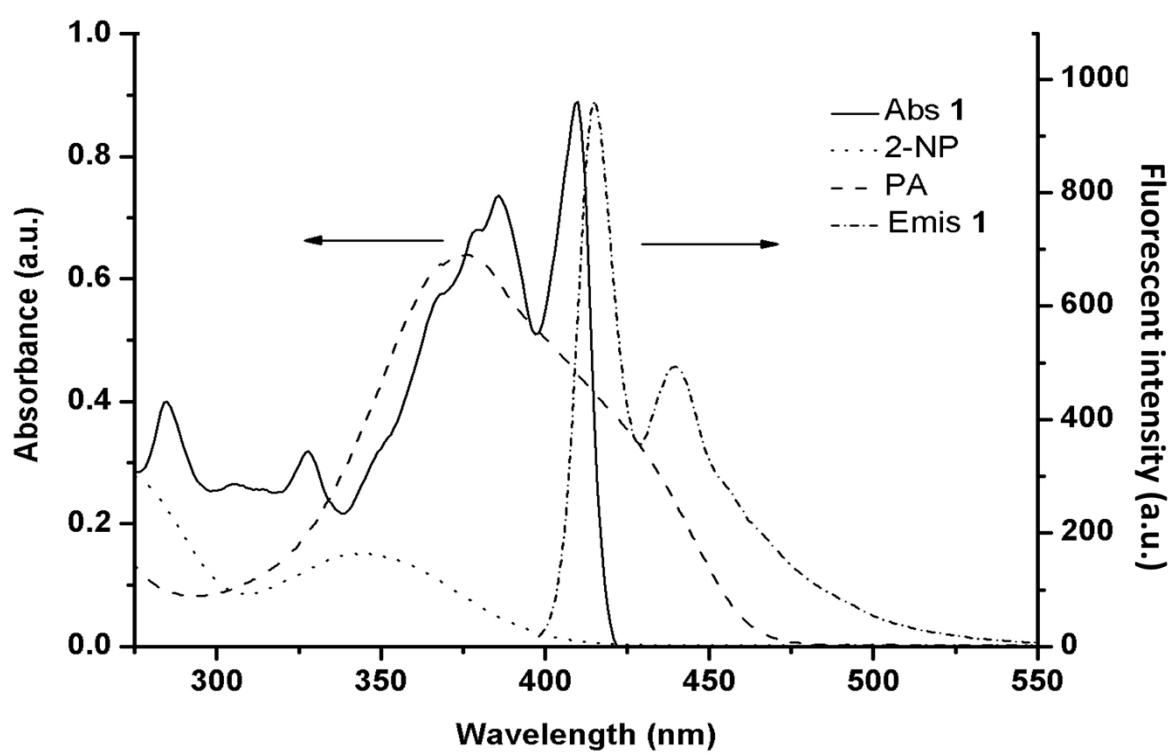


Figure S15 Absorption spectra of **1**, 2-nitrophenol and picric acid, and emission spectrum of **1** in 10% H₂O in THF.

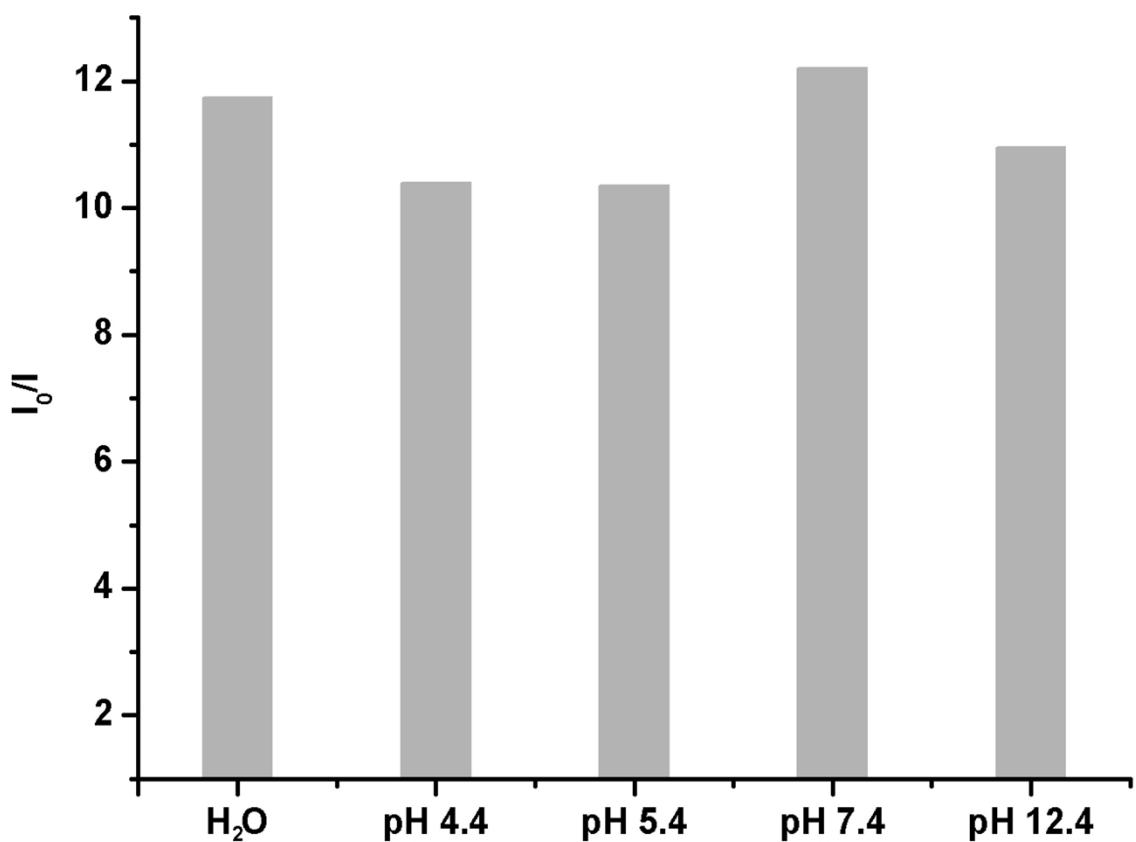


Figure S16 Fluorogenic responses of **1** by picric acid in THF with 10% aqueous buffer of various pHs.