Supporting Information

Nitroaromatic fluorescent sensor from a novel tripyrenyl truxene

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Figure S1 $^1$H-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 $^1$H-NMR spectrum of 3
Figure S6 $^{13}$C-NMR spectrum of 3
Figure S7 IR spectrum of 3
Figure S8 $^1$H-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 μM) by picric acid (0.1 mM)
Figure S14 Absorption spectra of 1, 2-nitrophenol and picric acid, and emission spectrum of 1 in CHCl₃
Figure S15 Absorption spectra of 1, 2-nitrophenol and picric acid, and emission spectrum of 1 in 10% H$_2$O in THF.
Figure S16 Fluorogenic responses of 1 by picric acid in THF with 10% aqueous buffer of various pHs.