Supporting Information for the manuscript

A microporous luminescent europium metal-organic framework for nitro explosive sensing

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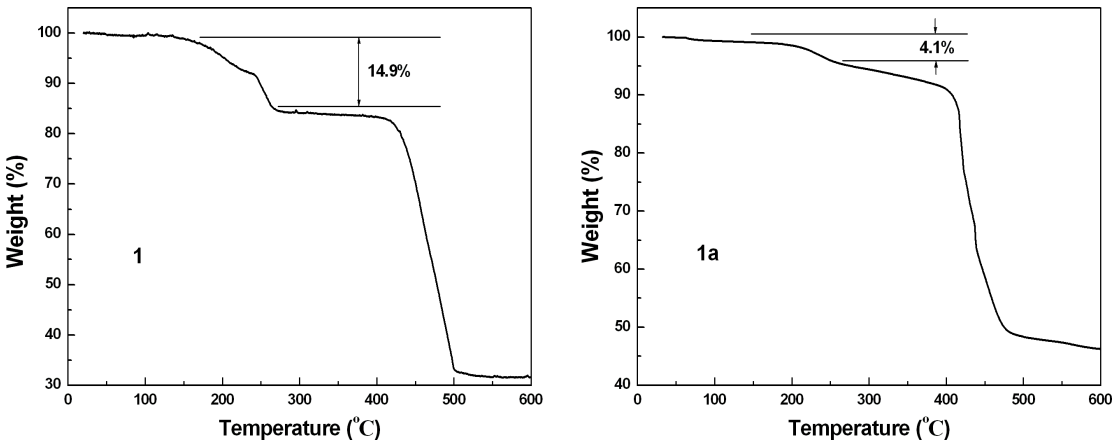

Fig. S1 Thermogravimetric curves for **1** and **1a**.

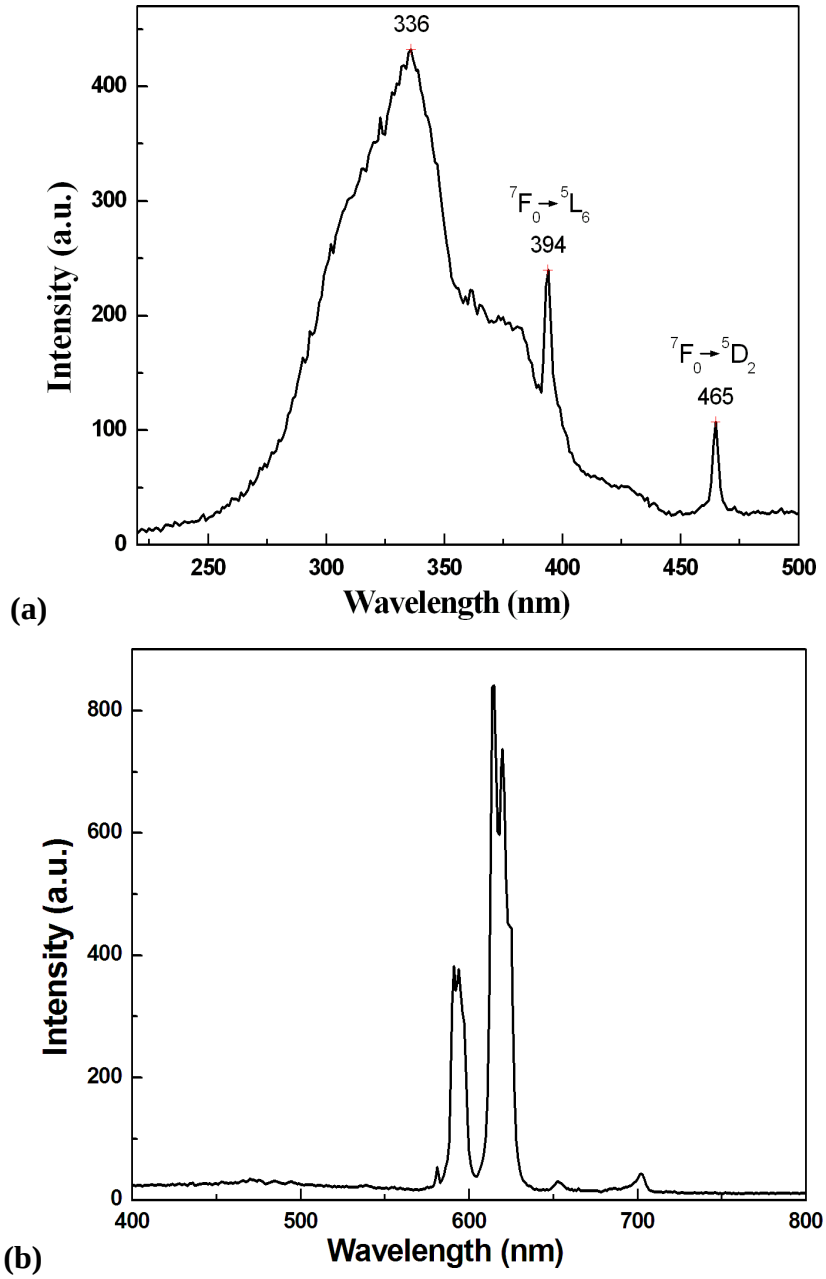

Fig. S2 The solid-state (a) excitation (monitored at 615 nm) and (b) emission (excited at 336 nm) spectra of **1a** at room temperature.

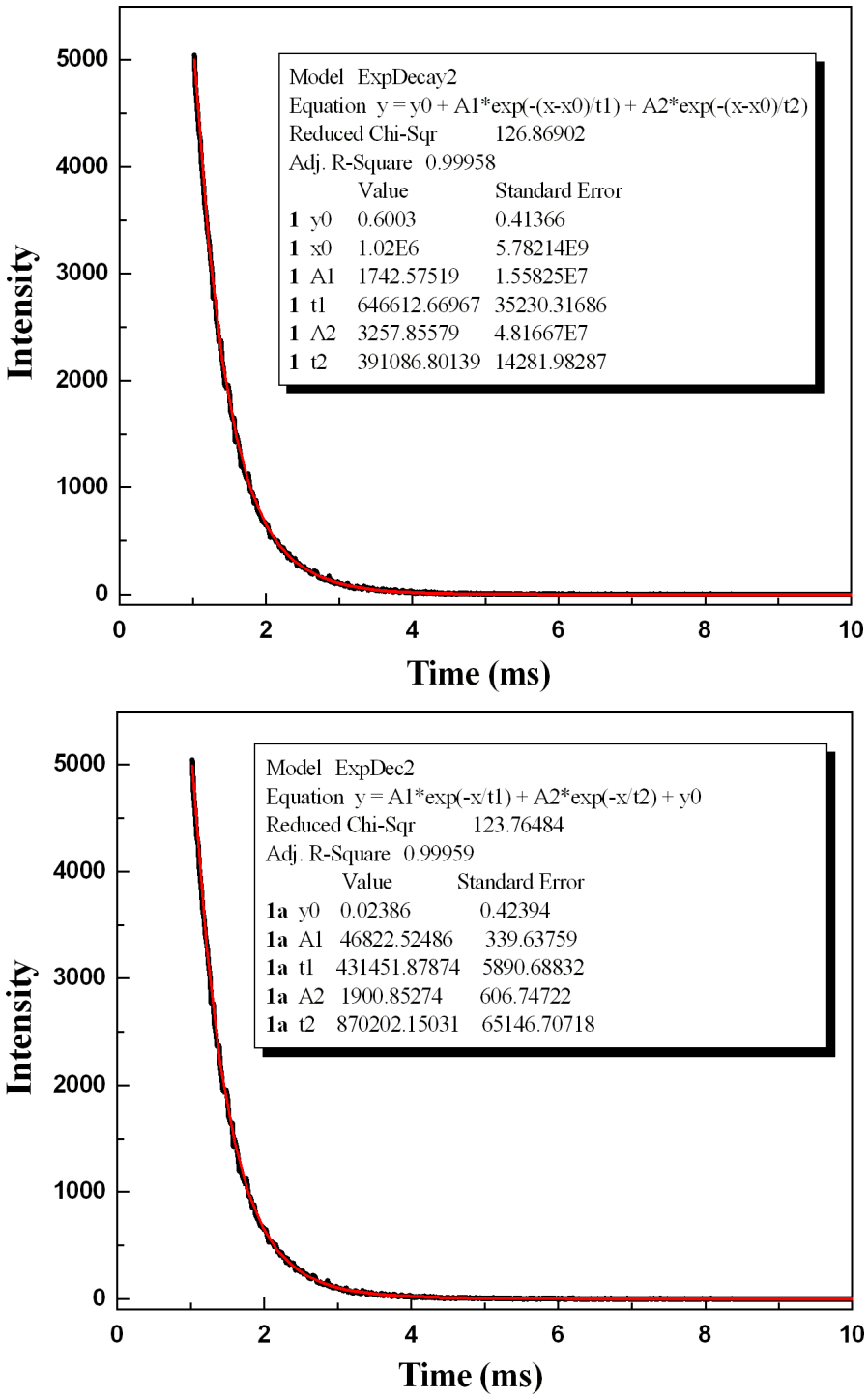

Fig. S3 Time-dependent fluorescence decay data of **1** and **1a** monitored at 615 nm at room temperature. The black solid lines are experimental data. The red solid lines represent the best fits of experimental data.

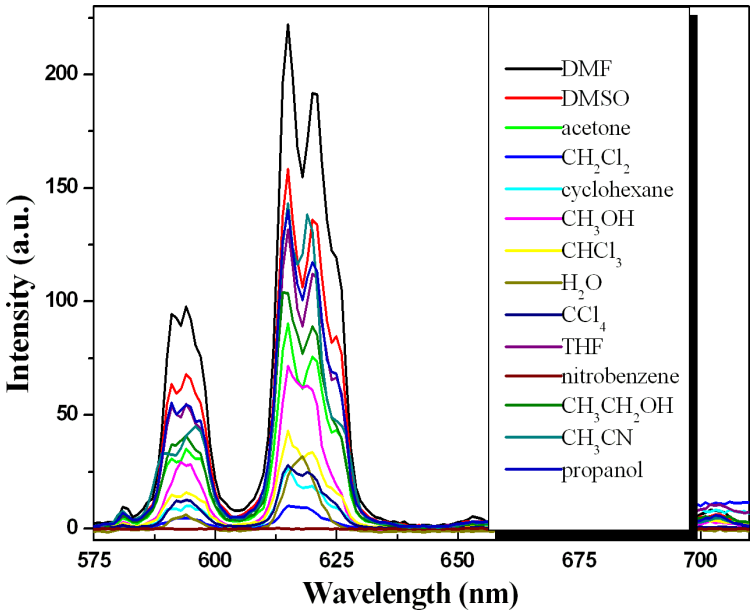

Fig. S4 The photoluminescent spectra of **1a** dispersed in the different small molecule solvents upon λ_{ex} = 336 nm at room temperature.

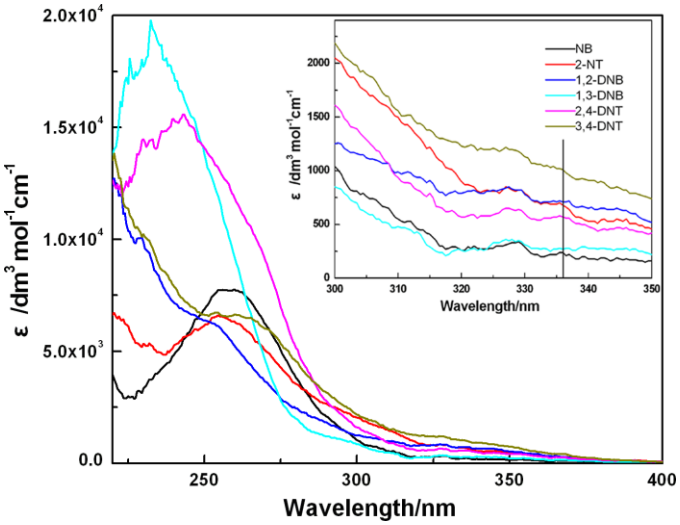

Fig. S5 (a) UV-Vis spectra. Insert: selected and magnified area of the UV-Vis spectra of six nitroaromatic compounds dissolved in ethanol.