Supporting Information for the manuscript

A flexible Eu(III)-based metal-organic framework: turn-off luminescent sensor for the detection of Fe(III) and picric acid

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Fig. S1 Thermogravimetric curves for 1, 1a and 1b.



Fig. S2 (a) The excitation (monitored at 614 nm) and (b) emission (excited at 335 nm) spectra of 1, 1a and 1b at room temperature. The bands around 307 nm at (a) and around 670 nm at (b) are the incident light scattering bands.



Fig. S3 Semilog plots of fluorescence decay *versus* time of **1b** dispersed in DMF in different concentrations of 2,4-DNT, excited and monitored at 335 nm and 614 nm, respectively.