

Supporting Information

Highly Luminescent Europium(III) Complexes Containing Organosilyl 4,4,5,5,5-pentafluoro-1-(naphthalen-2-yl)pentane-1,3-dionate Ligands Grafted on Silica Nanoparticles

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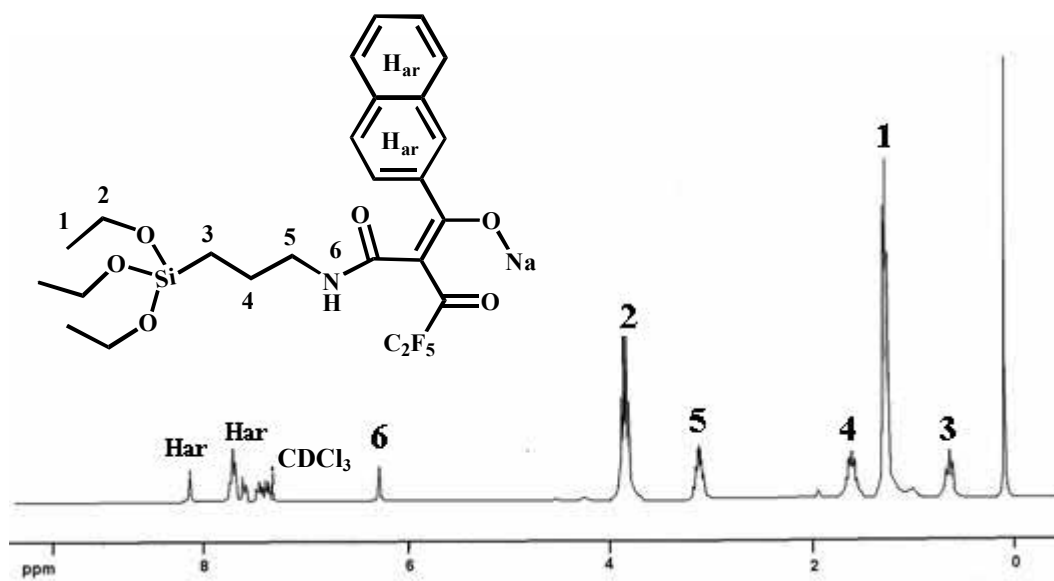


Fig. S1 ¹H NMR spectra of SiPFNP-Na.

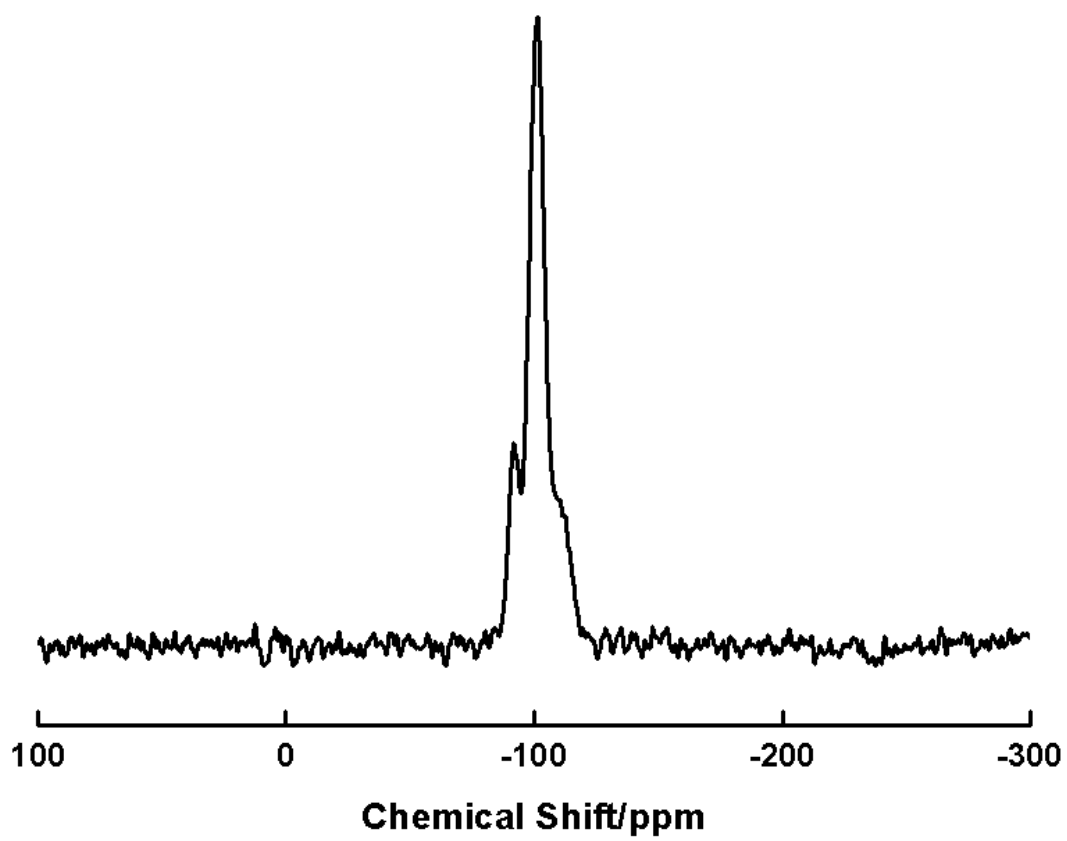


Fig. S2 Solid-state ^{29}Si NMR spectra of MCM-41.

Results

	Diam. (nm)	% Intensity	Width (nm)
Z-Average (d.nm): 259.8	Peak 1: 313.9	100.0	156.9
PdI: 0.246	Peak 2: 0.000	0.0	0.000
Intercept: 0.941	Peak 3: 0.000	0.0	0.000

Result quality : Good

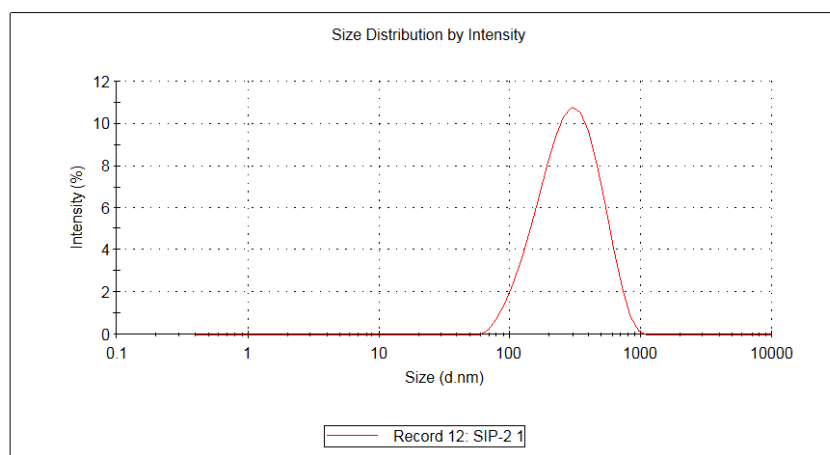


Fig. S3 DLS particle size distribution curve for Eu(PFNP-Si)₃(bath)/MCM-41.

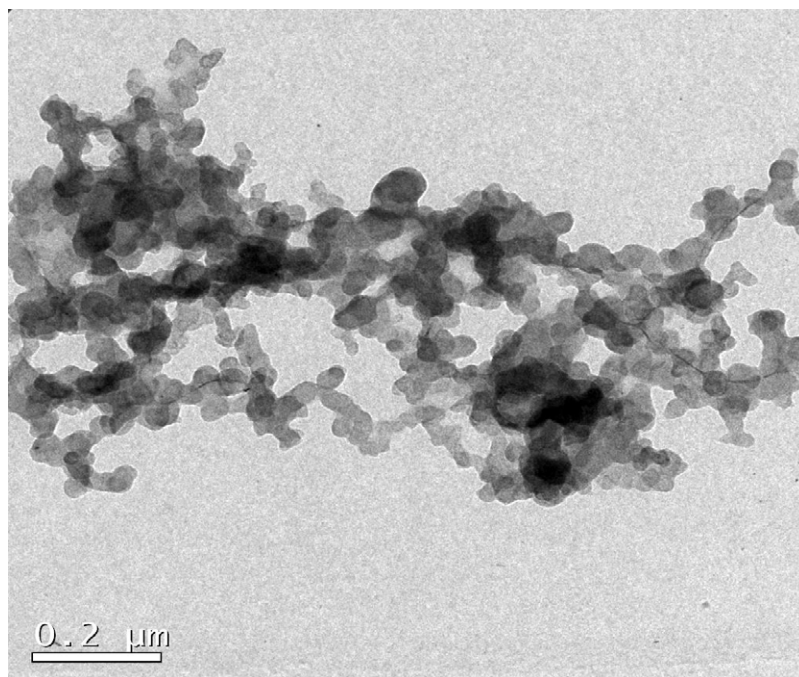


Fig. S4 TEM pictures of $\text{Eu}(\text{SiPFNP})_3(\text{bath})/\text{MCM-41}$.

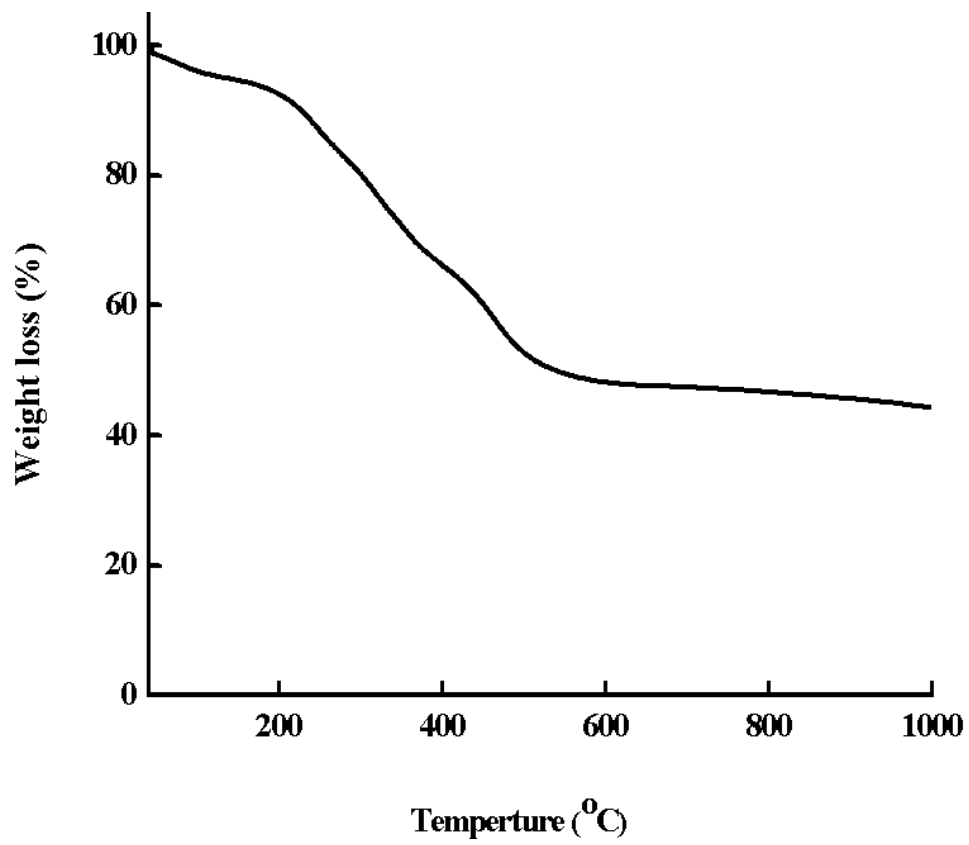


Fig. S5 Thermo gravimetric curve for Eu(SiPFNP)₃(bath)/MCM-41.

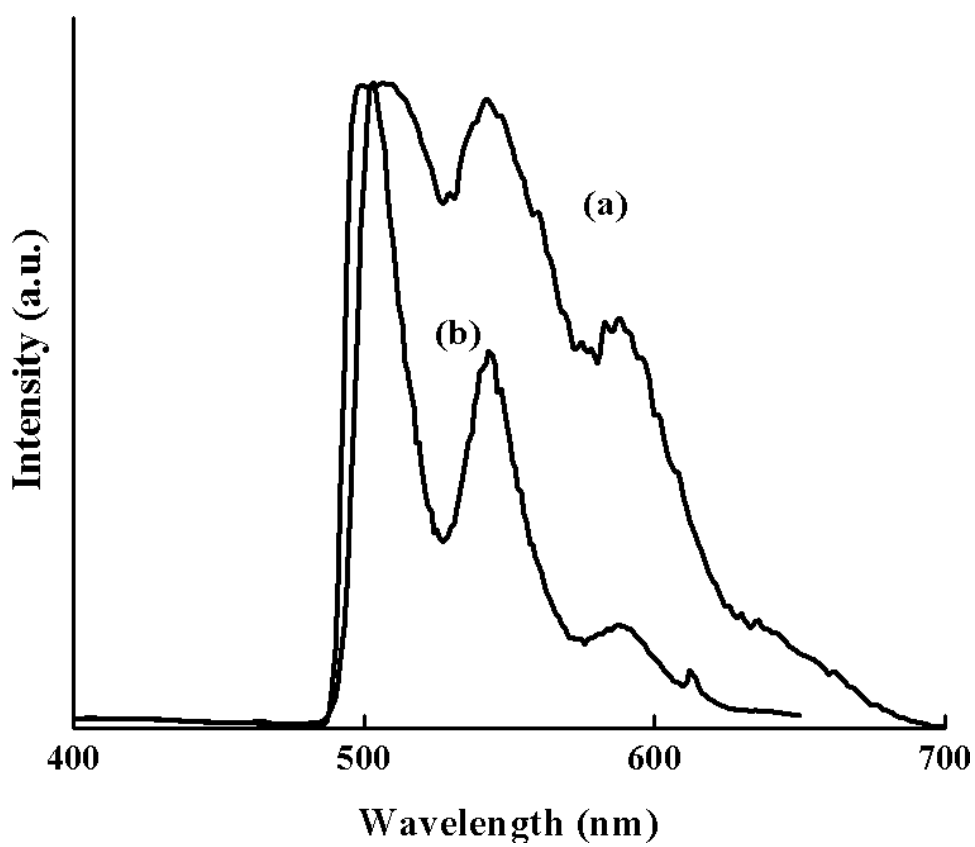


Fig. S6 Phosphorescence spectra of $\text{Gd}(\text{PFNP-Si})_3(\text{H}_2\text{O})_2$ (a) and $\text{Gd}(\text{PFNP})_3(\text{H}_2\text{O})_2$ (b).