

Supporting Information for

Lanthanide complex-incorporated periodic mesoporous organosilica nanospheres with tunable photoluminescence

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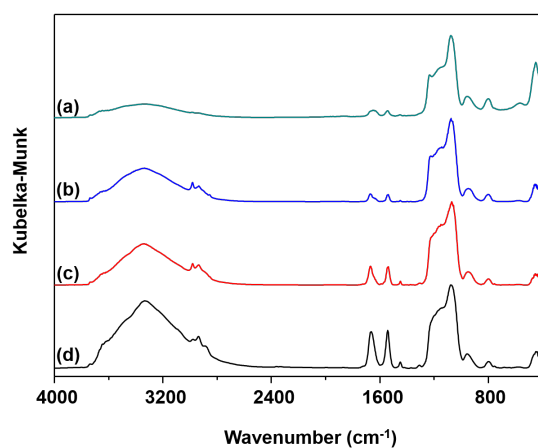


Figure S1. IR spectra of (a) DPA-PMOS-1, (b) DPA-PMOS-2, (c) DPA-PMOS-3, and (d) DPA-PMOS-4.

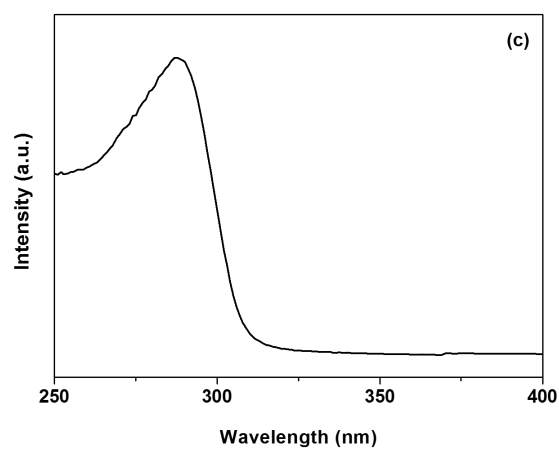
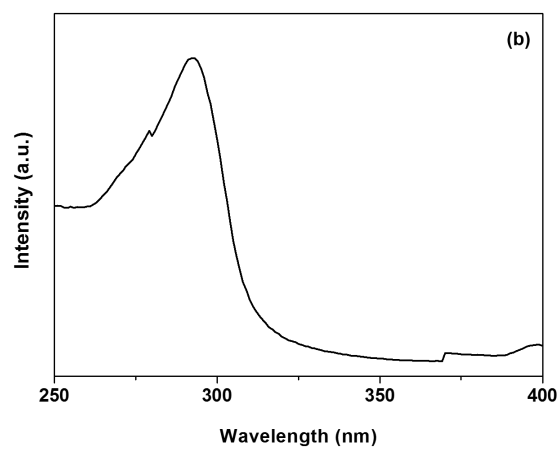
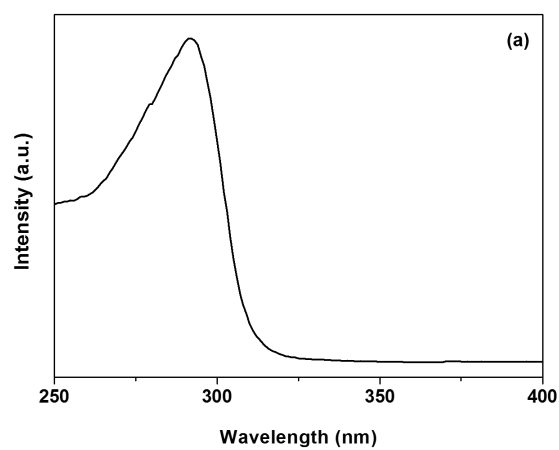


Figure S2. Excitation spectra of (a) Eu-DPA-PMOS-3, (b) Tb-DPA-PMOS-3, and (c) Eu/Tb-DPA-PMOS-3 at ambient temperature.

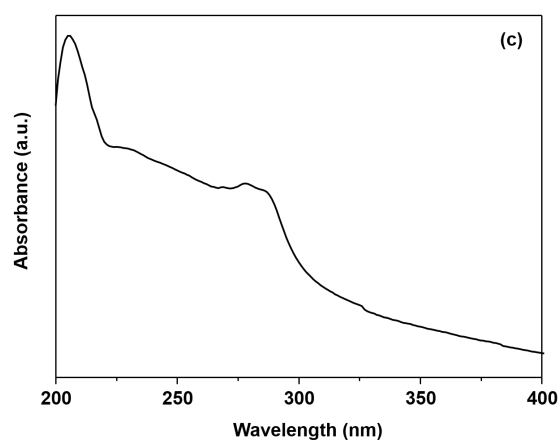
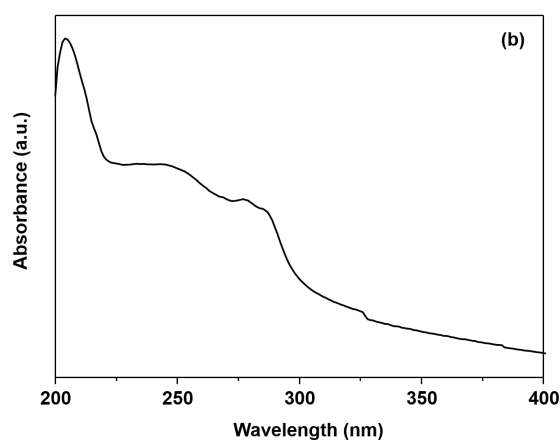
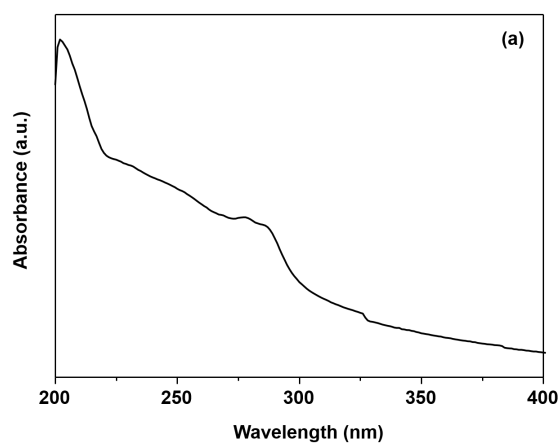


Figure S3. UV-visible spectra of (a) Eu-DPA-PMOS-3, (b) Tb-DPA-PMOS-3, and (c) Eu/Tb-DPA-PMOS-3 at ambient temperature.

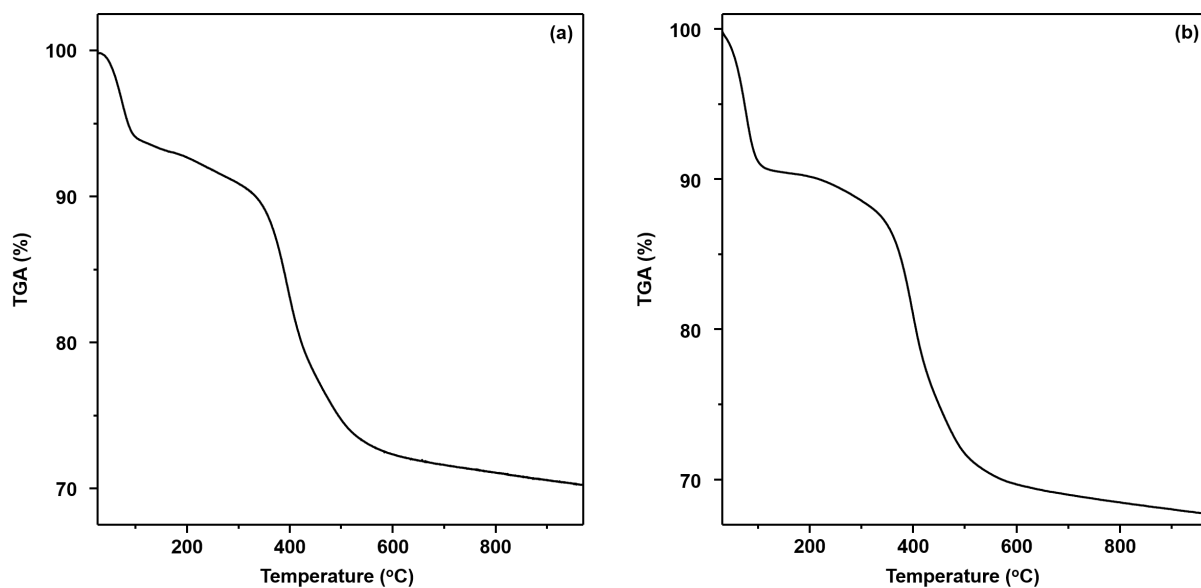


Figure S4. Thermogravimetric analysis (TGA) curves of Tb-DPA-PMOS-3 (a) and Eu/Tb-DPA-PMOS-3 (b).

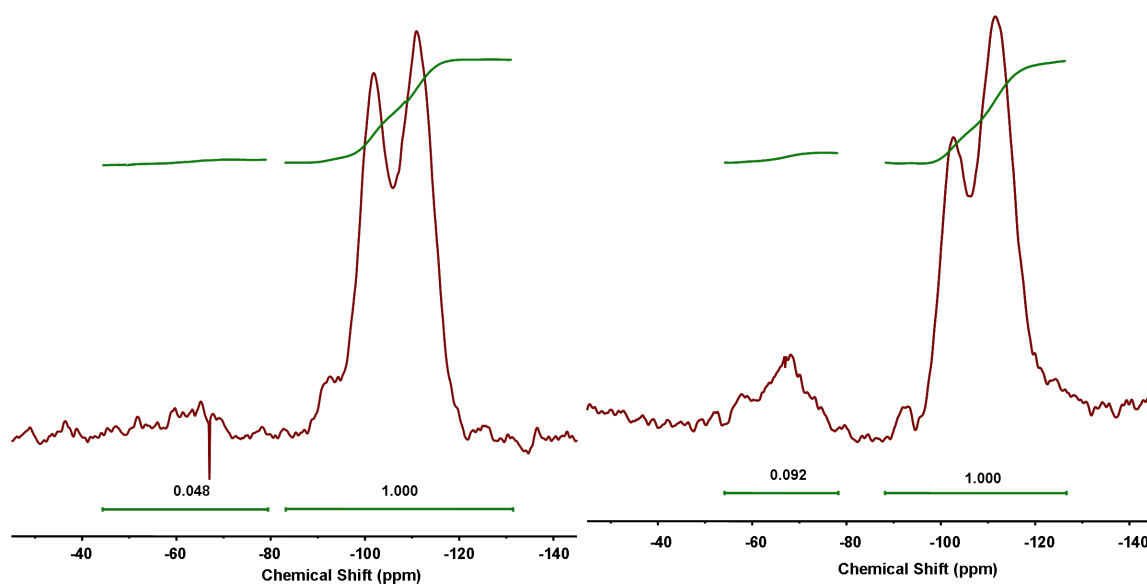


Figure S5. Solid-state ^{29}Si MAS NMR spectra (single-pulse excitation and high-power decoupling) of DPA-PMOS-2 (a) and DPA-PMOS-3 (b).

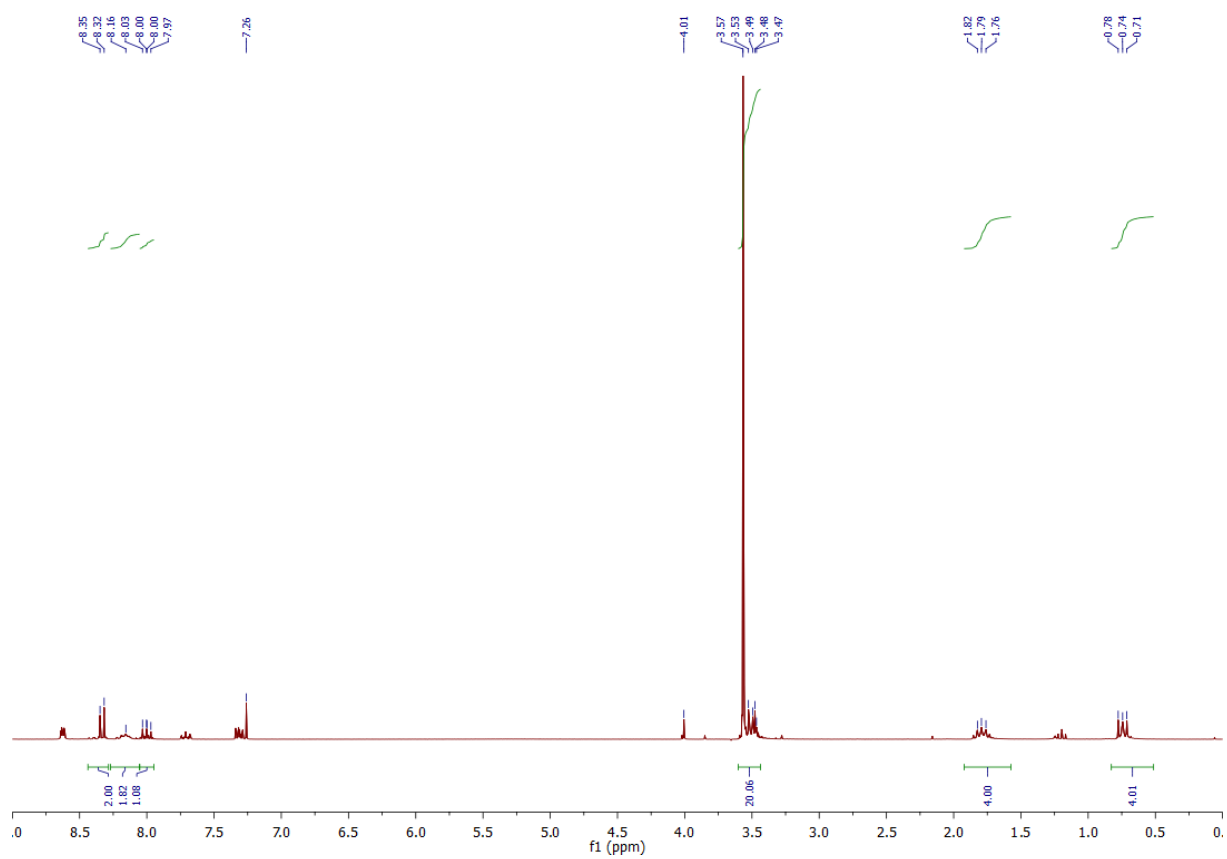


Figure S6. ^1H NMR spectrum of bridged organosilane precursor DPA-Si.