Supporting Information

Multicolor (Vis-NIR) mesoporous silica nanospheres linking with lanthanide complexes by 2-(5-bromothiophen)imidazo[4,5-f][1,10]phenanthroline for in vitro bioimaging

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Fig. S1. FT-IR spectra of MSS (a), APTES-MSS (b), Tip-MSS (c), Eu-Tip-MSS (d).
Fig. S2. Wide-angle X-ray diffraction patterns of MSS and Eu-Tip-MSS.
Fig. S3. N₂ adsorption/desorption isotherms of MSS and Eu-Tip-MSS.
Fig. S4. The corresponding BJH pore distributions of MSS and Eu-Tip-MSS.
Fig. S5. Emission spectrum of Eu-Tip-MSS (λ_{ex} = 401 nm) from 585 nm to 605 nm.
Fig. S6. Emission spectrum of Yb-Tip-MSS ($\lambda_{ex} = 401$nm) from 1000 nm to 1050 nm.
Fig. S7. Emission spectrum of Gd(5-Br-Tip)$_3$ complex ($\lambda_{ex} = 380$ nm) at 77 K in solid state.