

Electronic Supporting Information

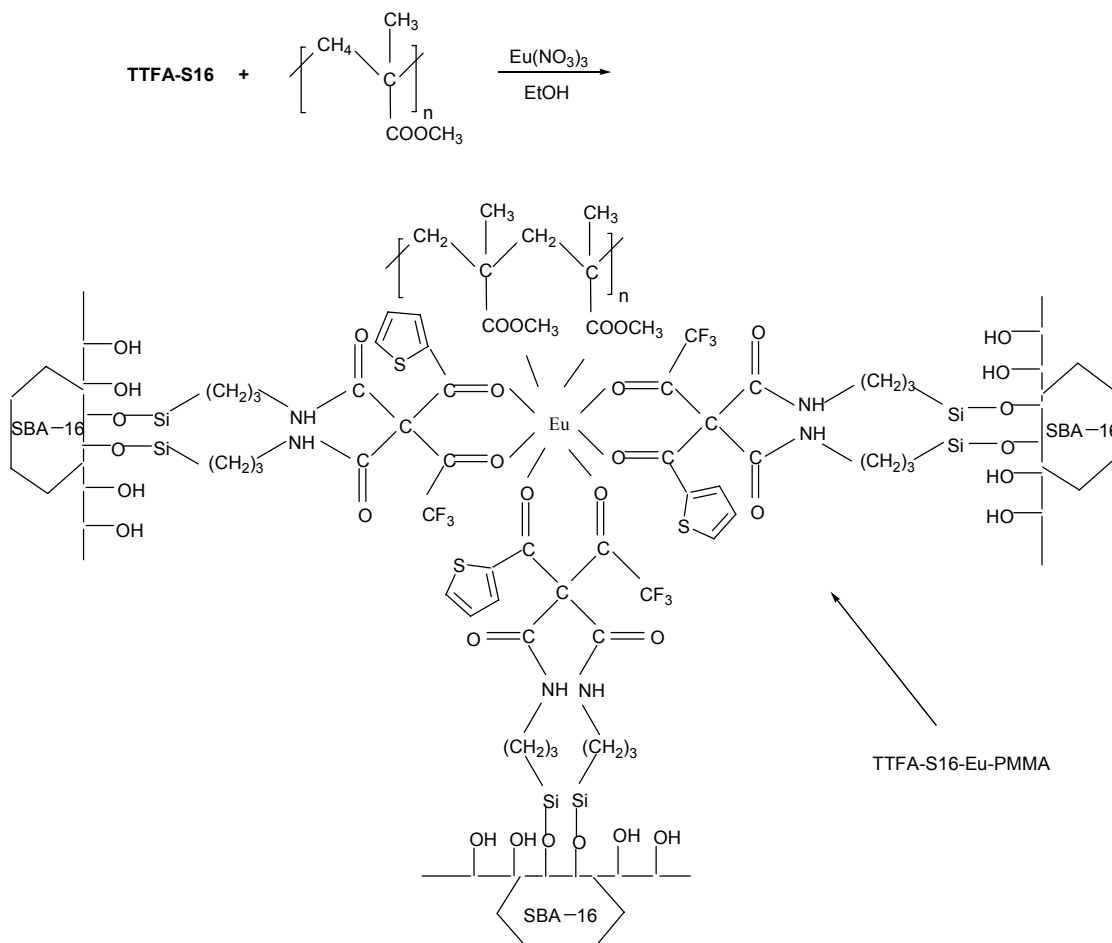


Fig. S1 The predicted structure of mesoporous polymeric hybrid material TTFA-S16-Eu-PMMA.

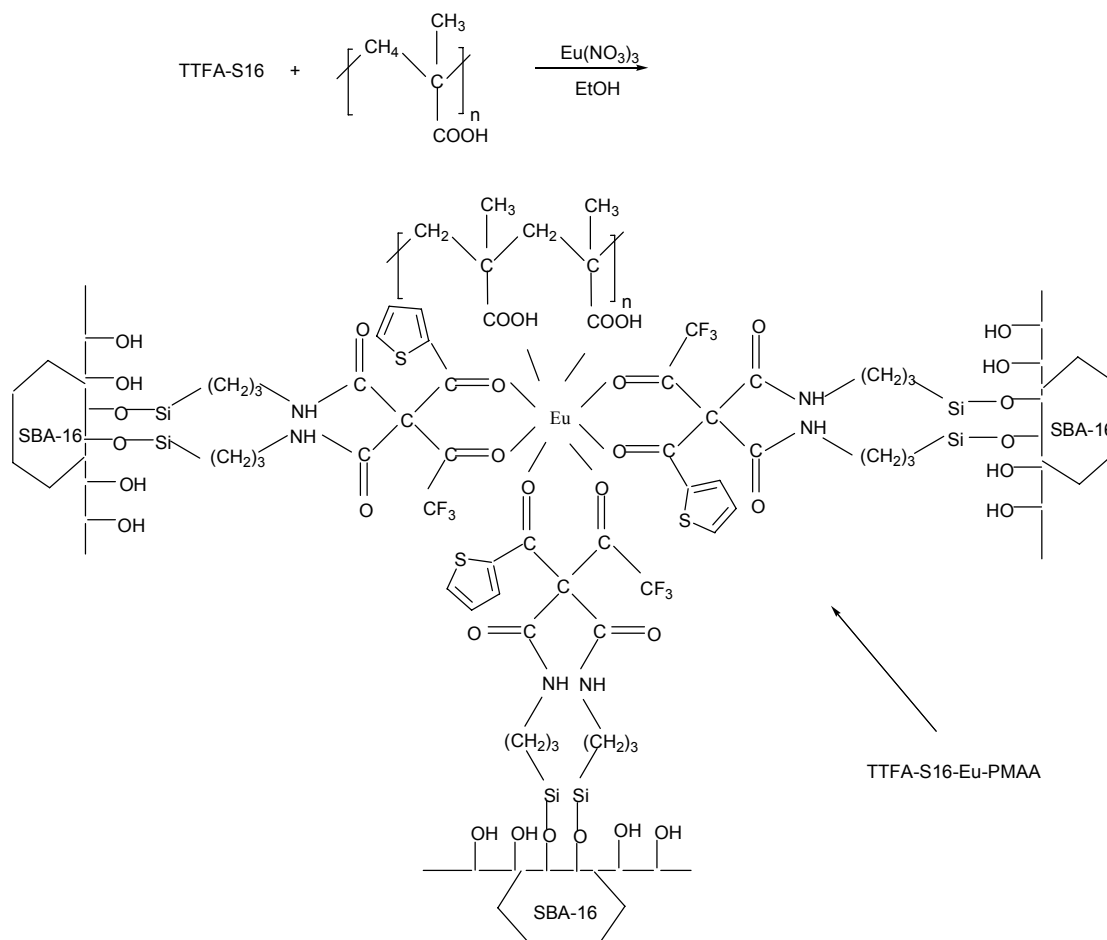


Fig. S2 The predicted structure of mesoporous polymeric hybrid material TTFA-S16-Eu-PMMA.

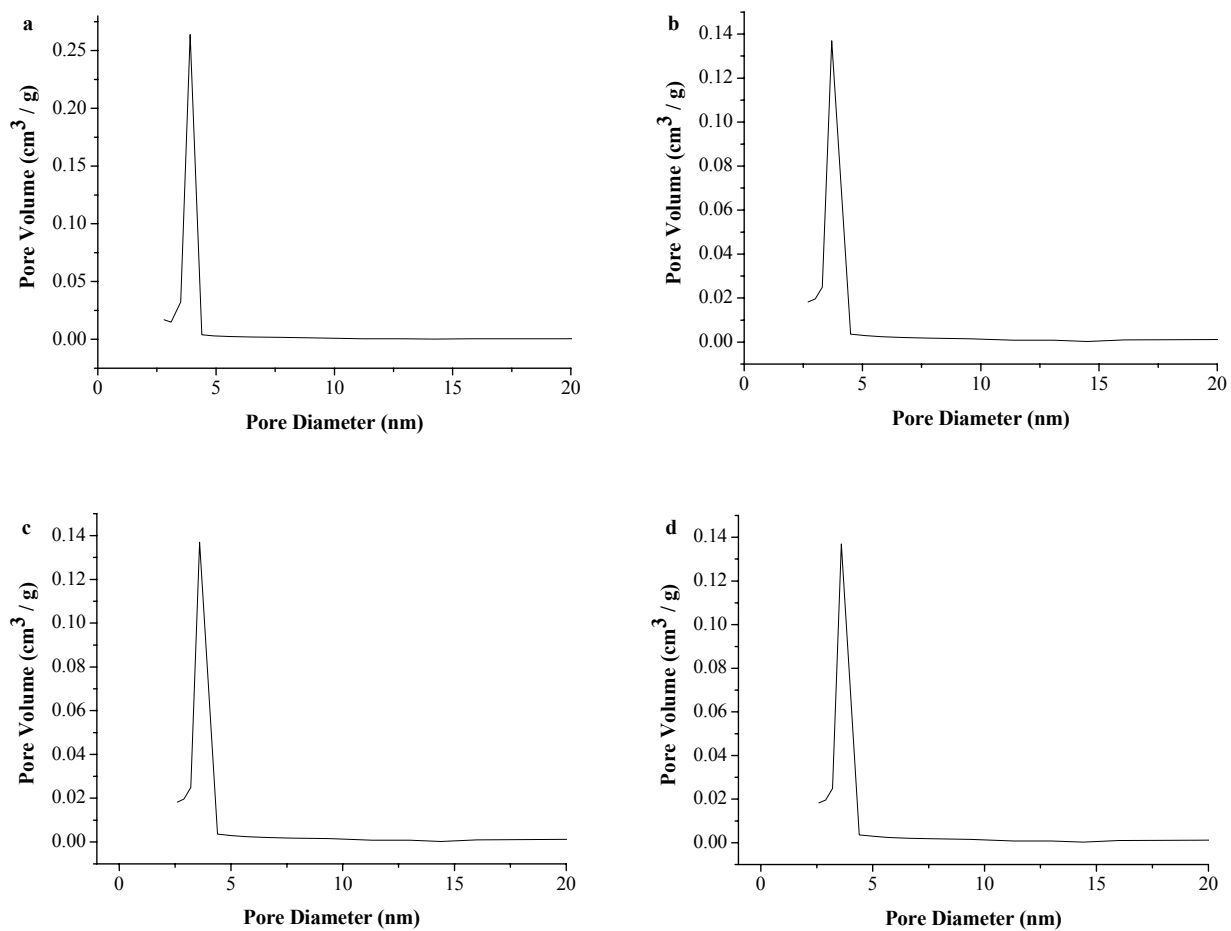


Fig. S3 Pore size distributions for TTFA-S16 (a), TTFA-S16-Eu-PMMA (b), TTFA-S16-Eu-PMAA (c) and TTFA-S16-Eu-PVP (d).

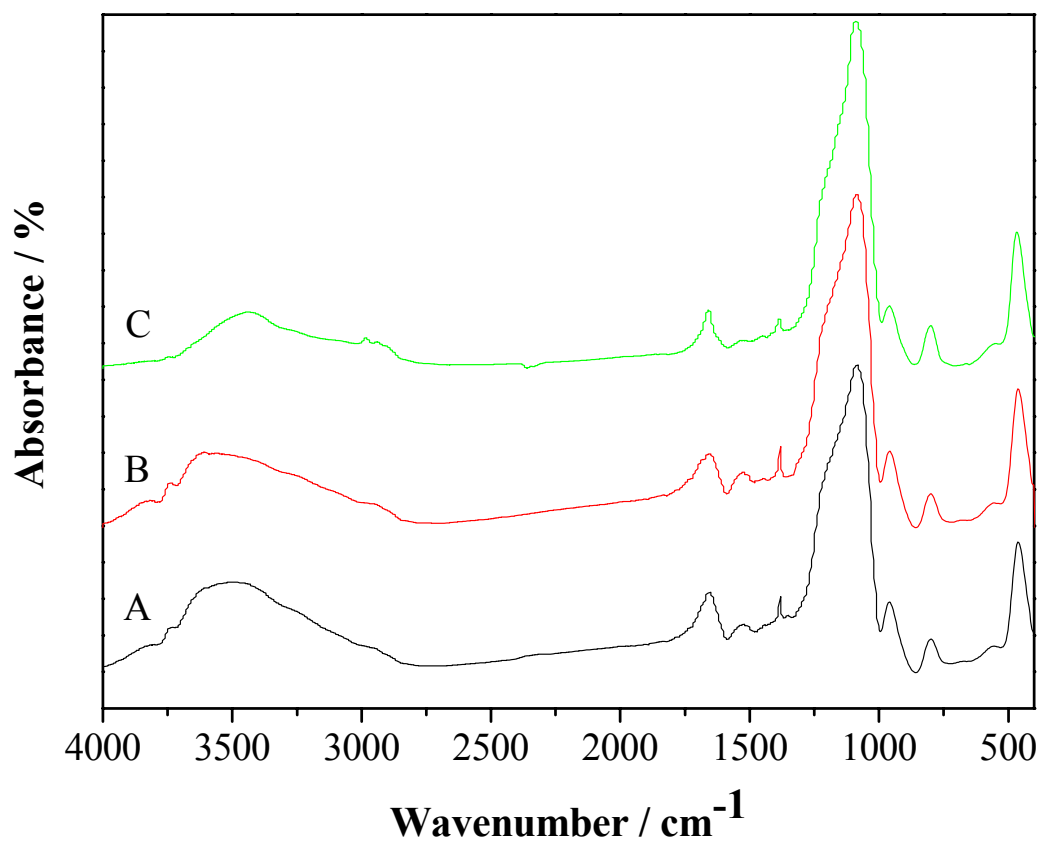


Fig. S4 FTIR spectra of rare earth mesoporous polymeric hybrids TTFA-S16-Eu-PMMA (A), TTFA-S16-Eu-PMAA (B) and TTFA-S16-Eu-PVP (C).

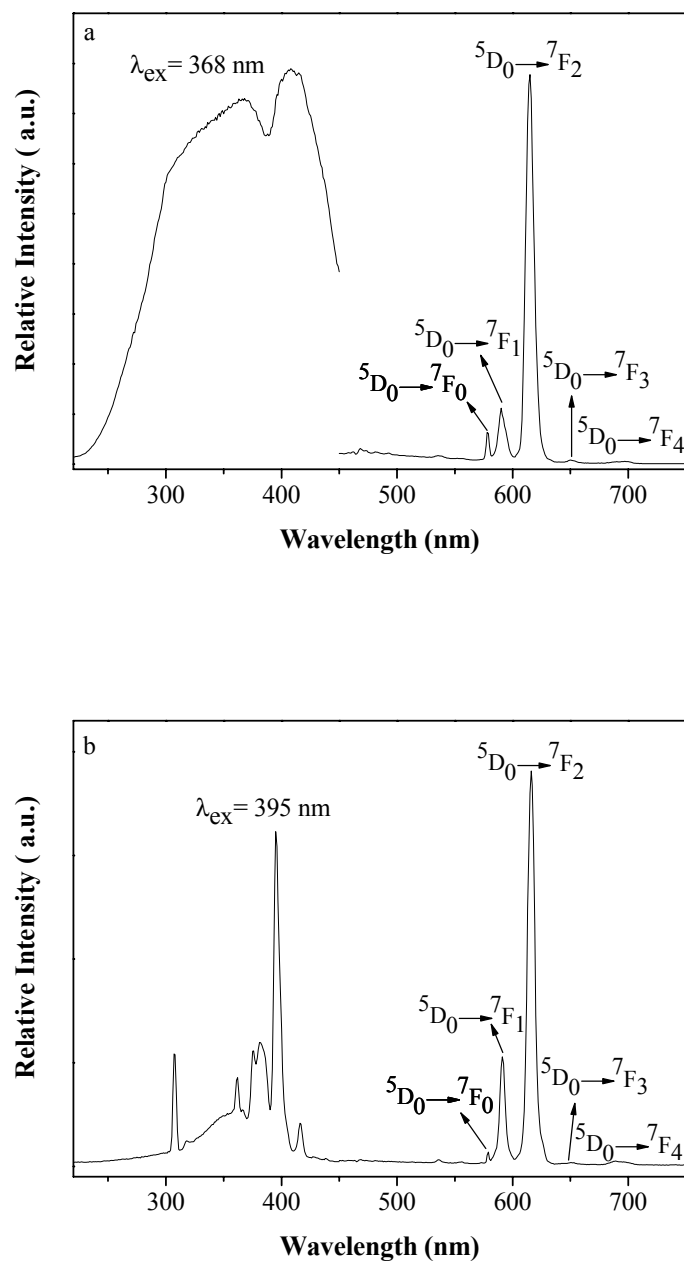


Fig. S5 Fluorescent excitation and emission spectra of the mesoporous hybrid material: (a) $\text{Eu}(\text{TTFA})_3\text{PVP}$ and (b) Eu-PVP .

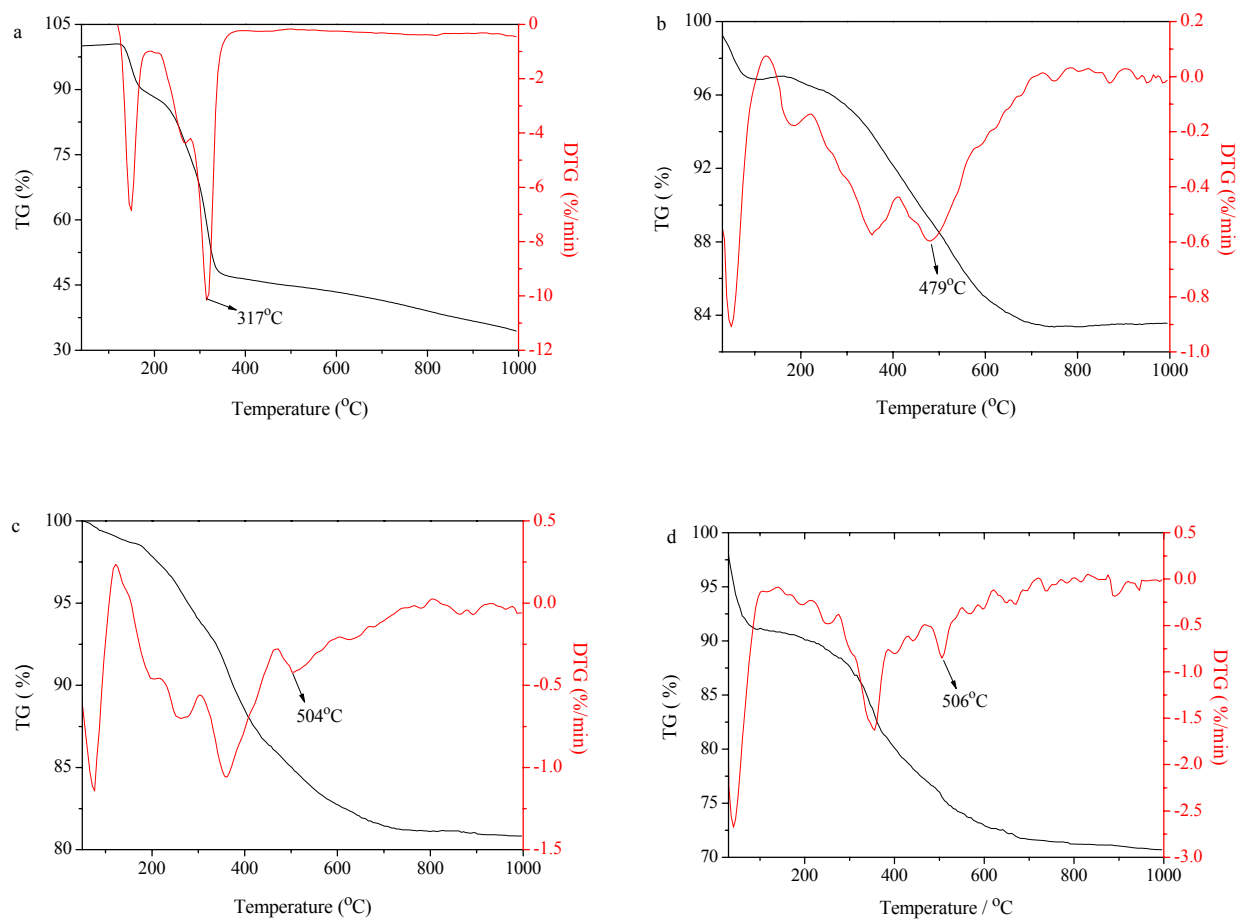


Fig. S6 Thermogravimetry trace (TG) and differential thermogravimetry trace (DTG) of the materials: (a) TTFA-Eu-PMAA, (b) TTFA-S16, (c) TTFA-S16-Eu, (d) FFFA-S16/PMAA.

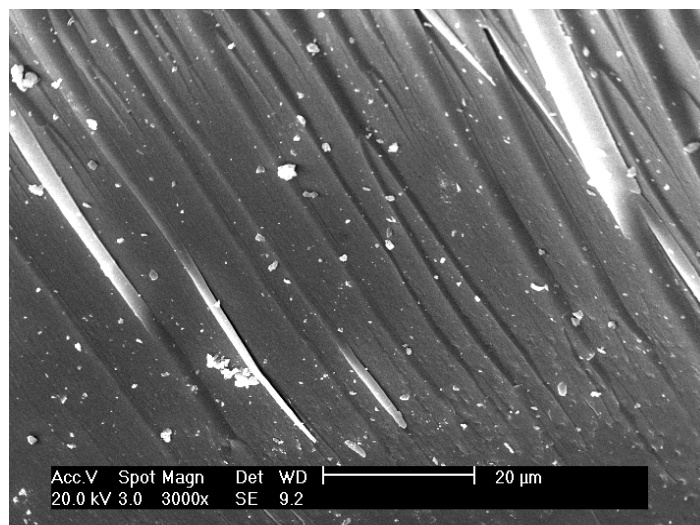


Fig. S7 The selected SEM image of mesoporous polymeric hybrids TTFA-S16-Eu-PMAA.