

Supporting Information

**Bright green luminescent molecular terbium plastic materials derived
from 3,5-bis(perfluorobenzyloxy)benzoate**

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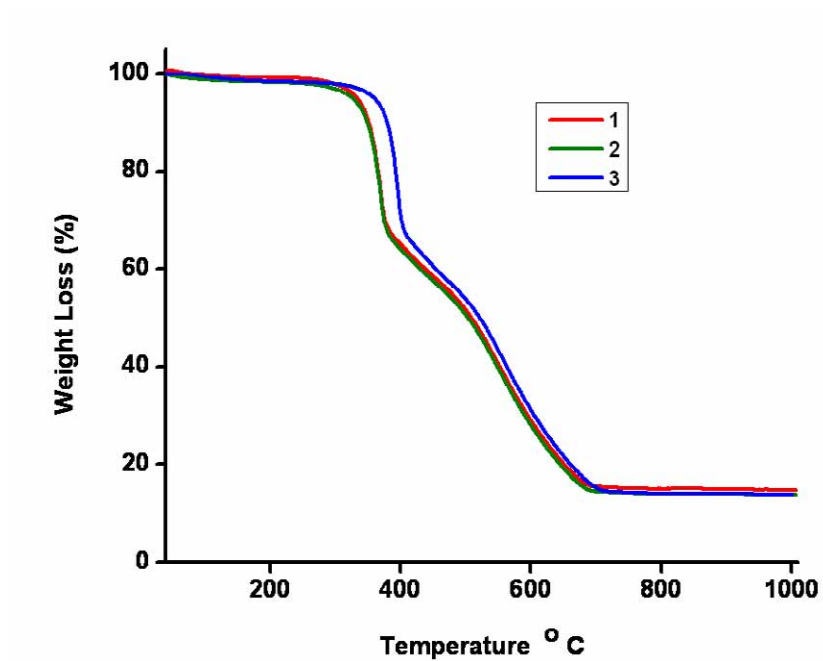


Fig. S3 Thermogravimetric plots for complexes 1-3.

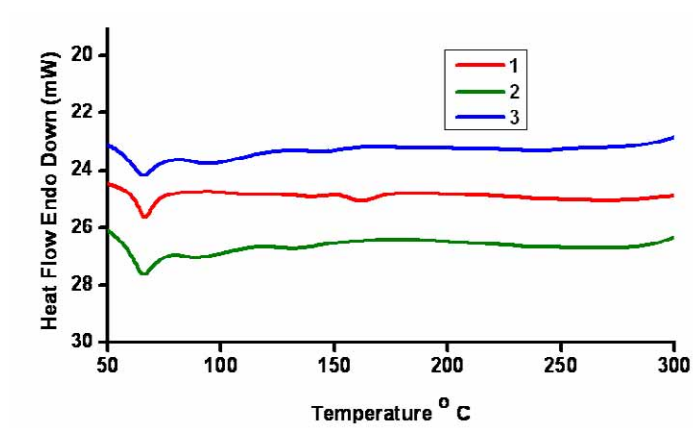


Fig. S4 DSC curve for the complexes 1-3.

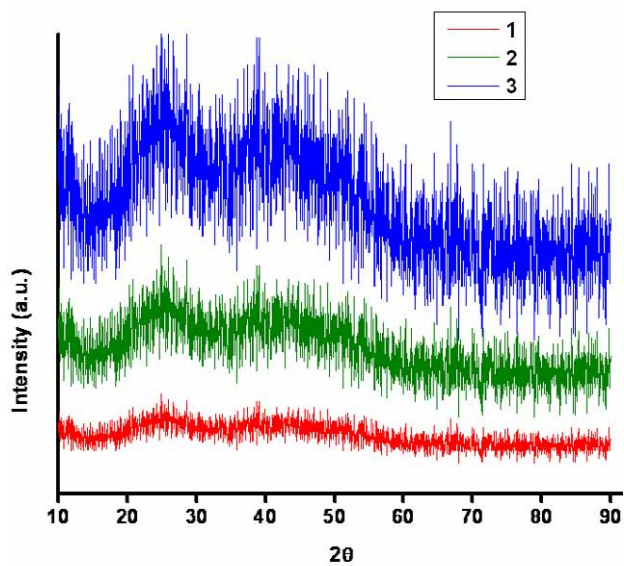


Fig. S5 Powder XRD patterns for complexes **1-3**.

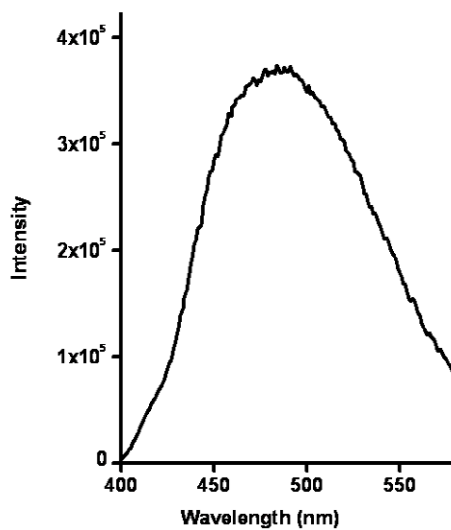


Fig. S6 Phosphorescence spectrum of gadolinium complex **3** at 77 K.

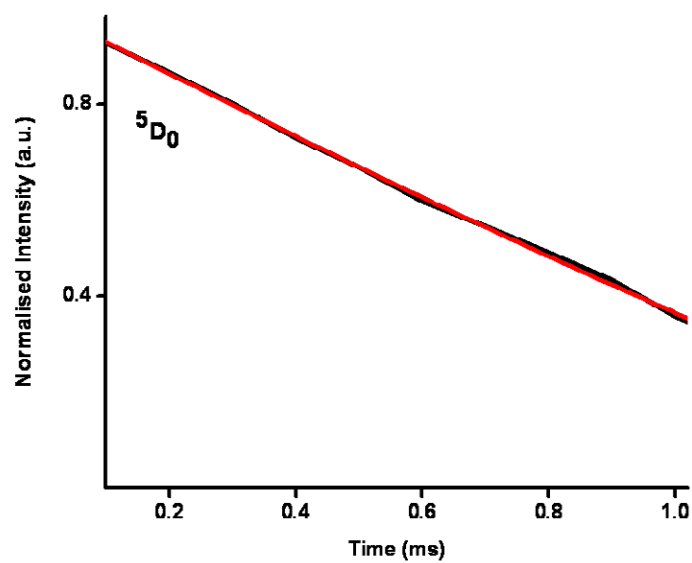


Fig. S7 Low-temperature luminescence decay profile for complex 1 excited at 300 nm monitored at ~ 612 nm.

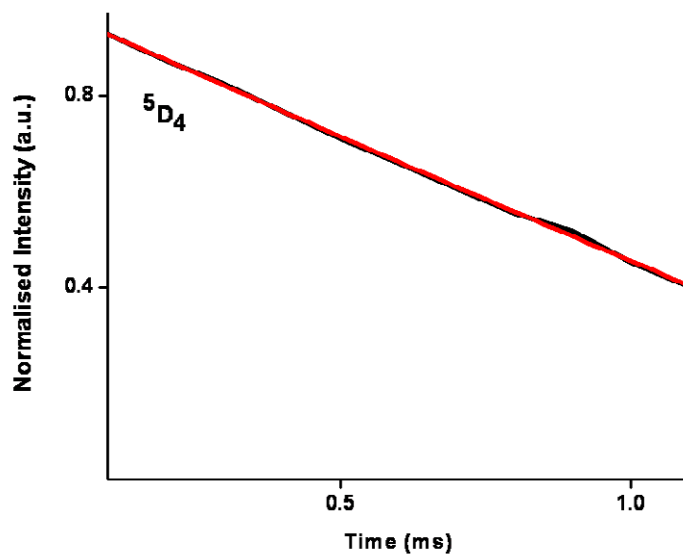


Fig. S8 Low-temperature luminescence decay profile for complex 2 excited at 340 nm monitored at ~ 545 nm.

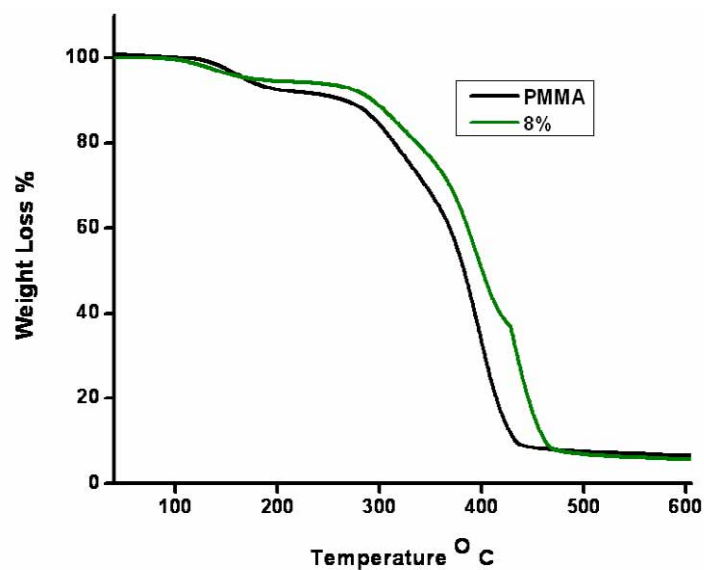


Fig. S9 Thermogravimetric curves for PMMA and 8% Tb³⁺ doped polymer film.

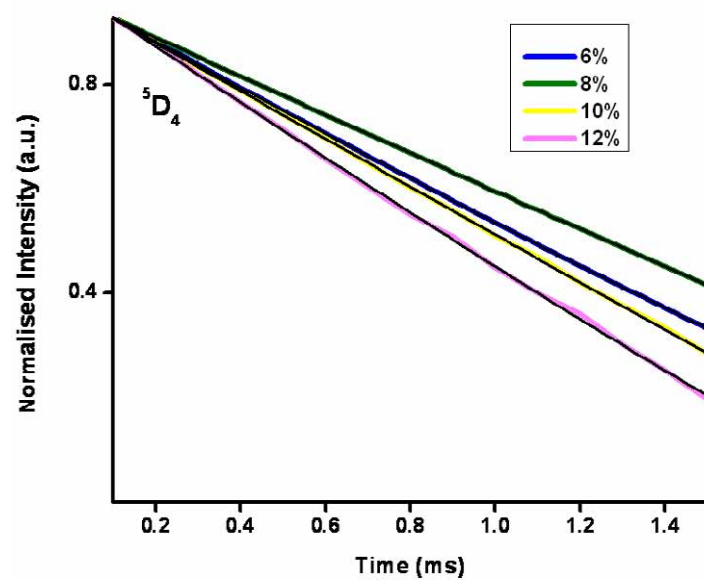


Fig. S10 Luminescence decay profiles for doped polymer films excited at 320 nm, and monitored at ~ 545 nm.

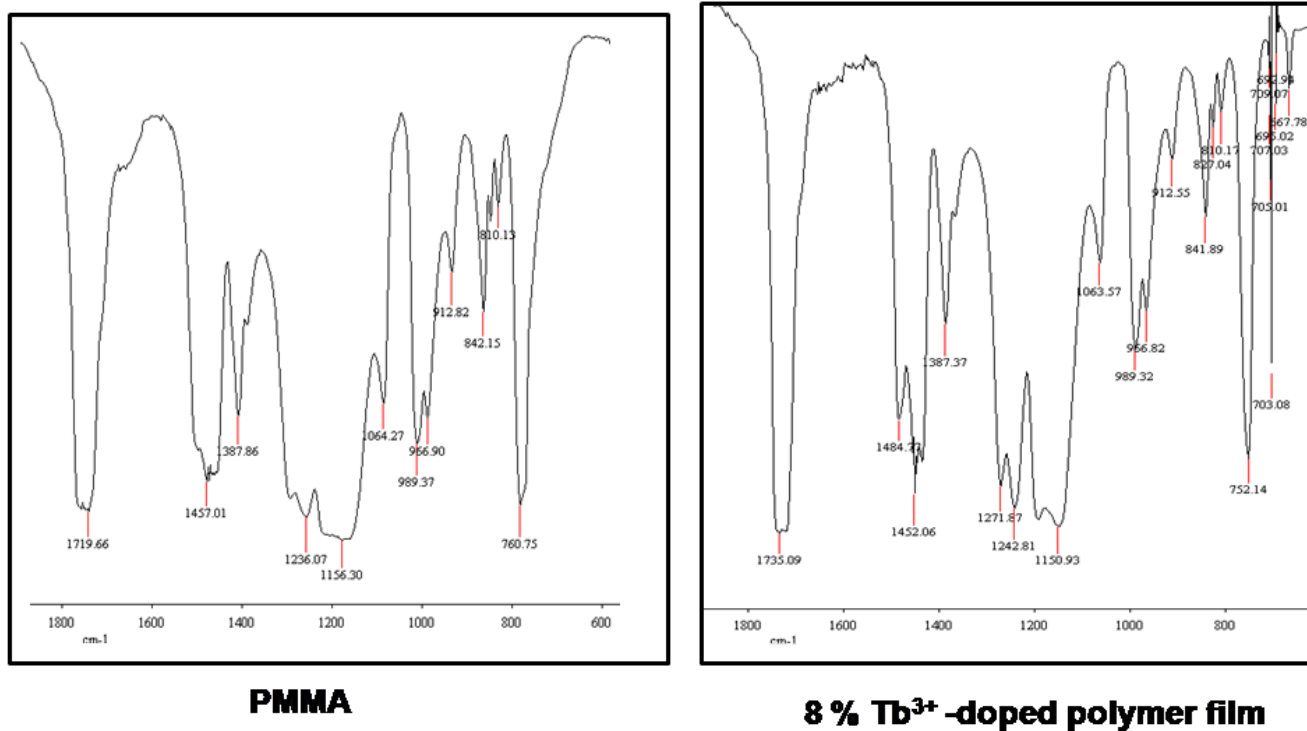


Fig. S11 FT-IR spectra for PMMA and doped polymer films.