Electronic Supplementary Material (ESI) for Dalton Transactions

Recyclable Calix[4]arene-Lanthanoid Luminescent Hybrid Materials with Color-Tuning and Color-Switching Properties

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Supplementary Information

Excitation and emission spectra from solutions of 1H and single lanthanoid salts

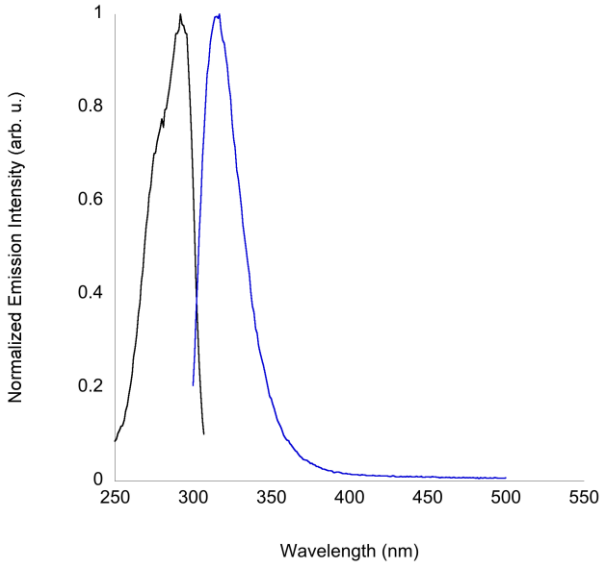

Figure S1. Excitation and emission spectra for a ca. 10^{-5} M solution of **1**H in dichloromethane/ethanol (1:1).

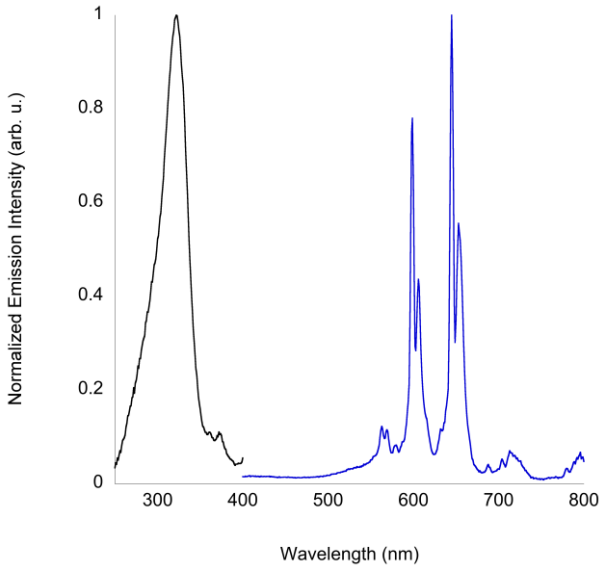

Figure S2. Excitation and emission spectra for a ca. 10^{-5} M solution of **1**H and $[Sm(NO_3)_3(DMSO)_n]$ (1:1) in dichloromethane/ethanol (1:1).

The excitation and emission profiles for an equimolar amount of **1**H and $[Tb(NO_3)_3(DMSO)_n]$ have already been reported (see ref. 20 in the manuscript). On the other hand, the solutions containing equimolar amounts of **1**H and $[Tm(NO_3)_3(DMSO)_n]$ or **1**H and $[Gd(NO_3)_3(DMSO)_n]$ display extremely weak emissions at room temperature.