Supporting Information for:

Evaluation of quinoline as a remote sensitiser of visible and near-infrared lanthanide luminescence in solution and solid state

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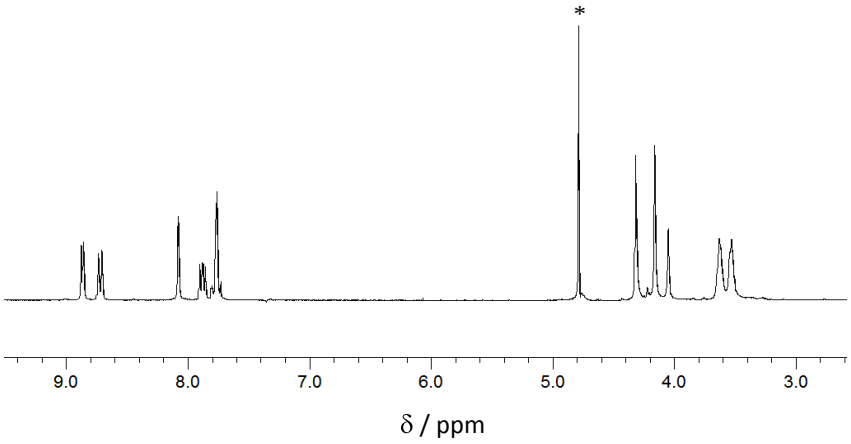

Figure S1: 300 MHz ^{1}H NMR spectrum of **H_3L^a** in D_2O (* = solvent).

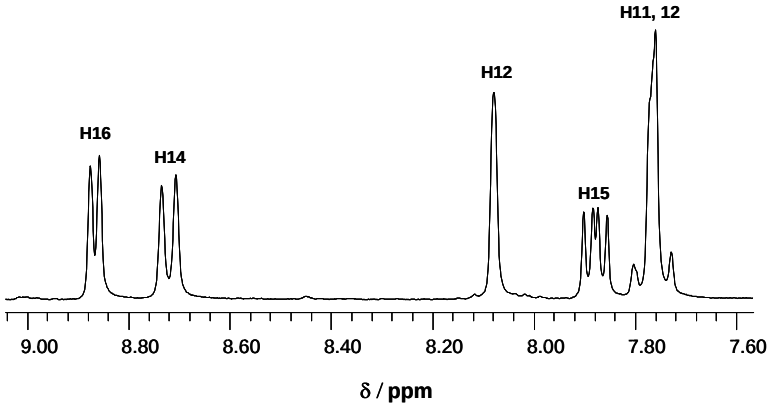

Figure S2 : Enlargement of the aromatic region of the 300 MHz ^{1}H NMR spectrum of **H_3L** in D_2O.

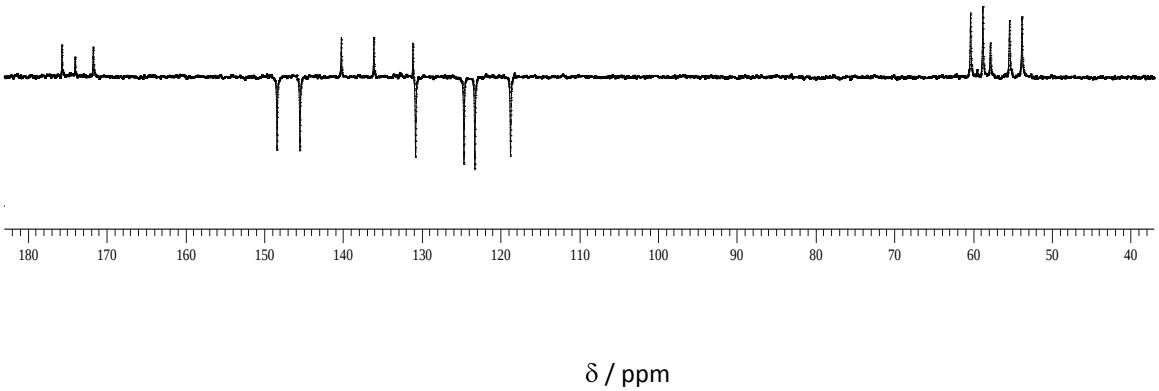

Figure S3: 75 MHz ^{13}C {^{1}H} PENDANT NMR spectrum of **H_3L** in D_2O.

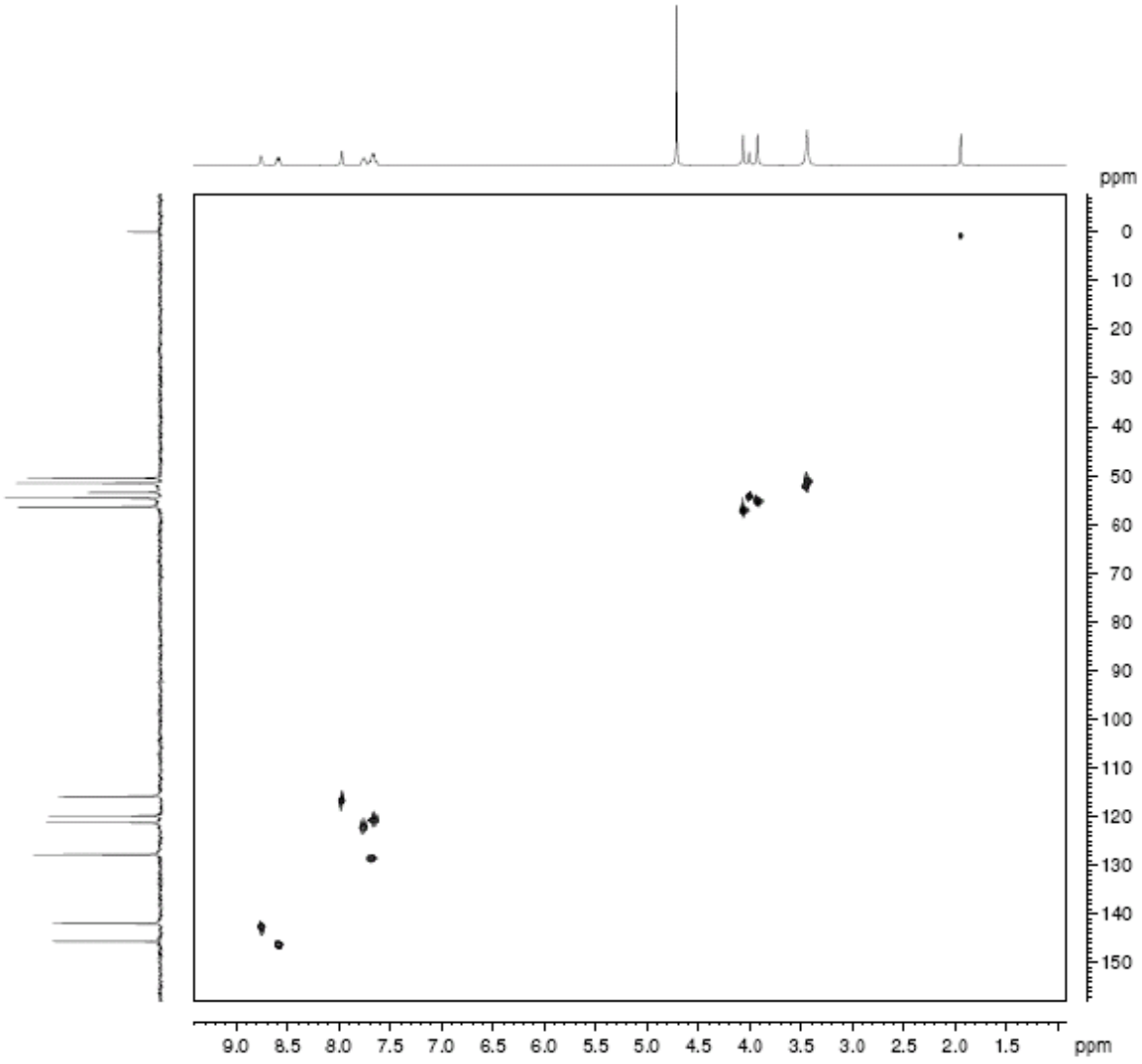

Figure S4: ^{1}H-^{13}C HSQC NMR spectrum of **H_3L** in D_2O.

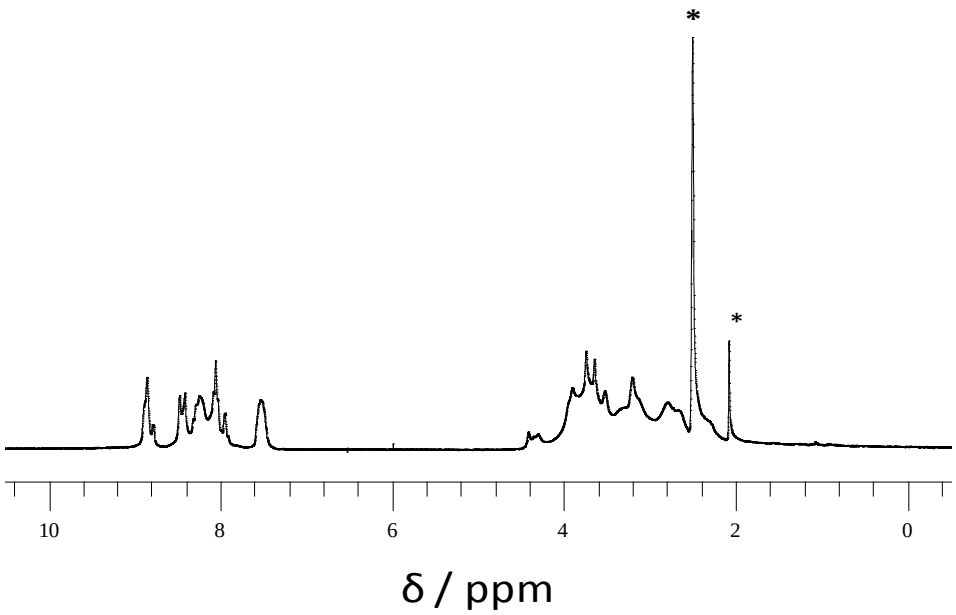

Figure S5 : 300 MHz ^{1}H NMR spectrum of **YL** in d_6-DMSO (* = solvent).

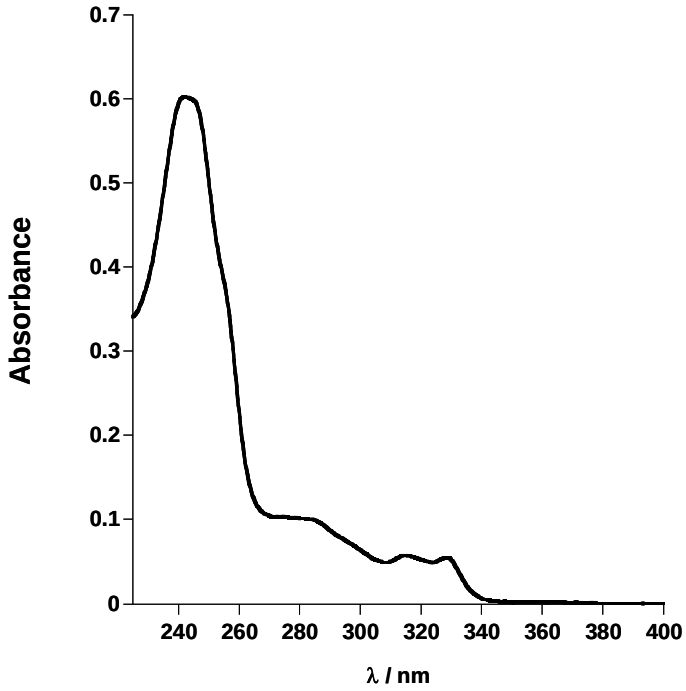

Figure S6: UV-Vis absorption spectrum of 1.20 x 10^{-5} mol dm^{-3} $\mathbf{H_3L}$ in water.

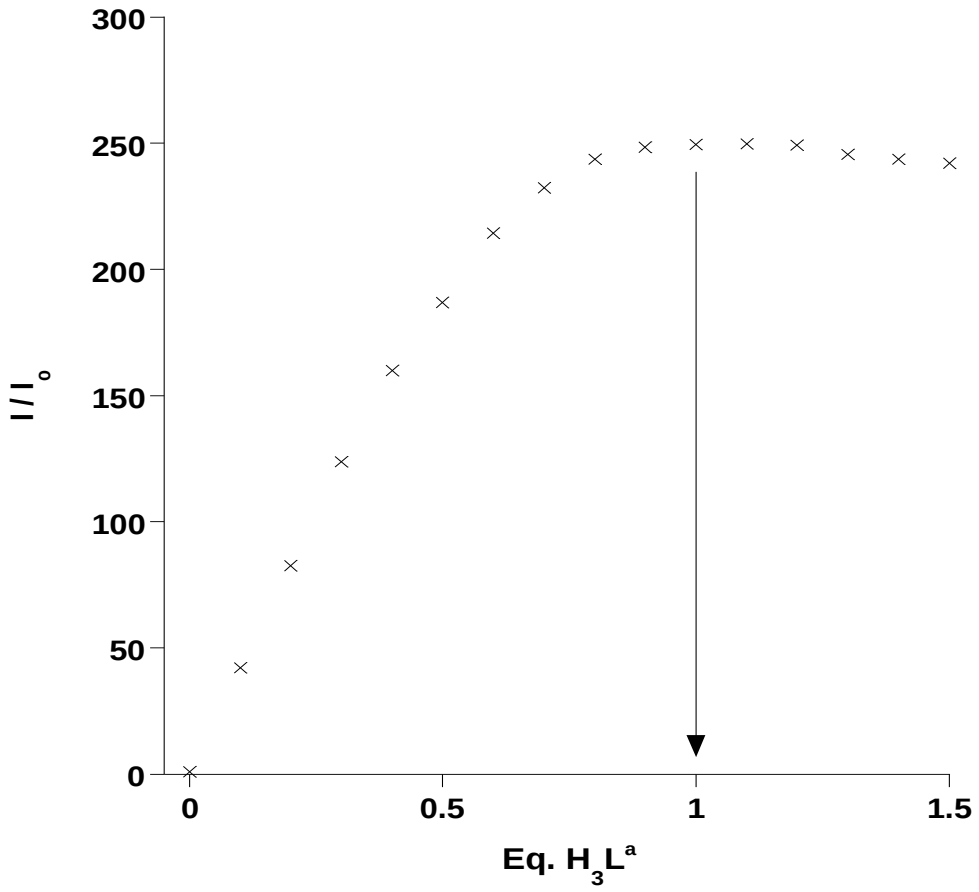

Figure S7: Plot of relative growth in emission intensity of the 613 nm band (I / I_0) *vs*. equivalents of **H_3L** λ_{exc} = 330 nm.

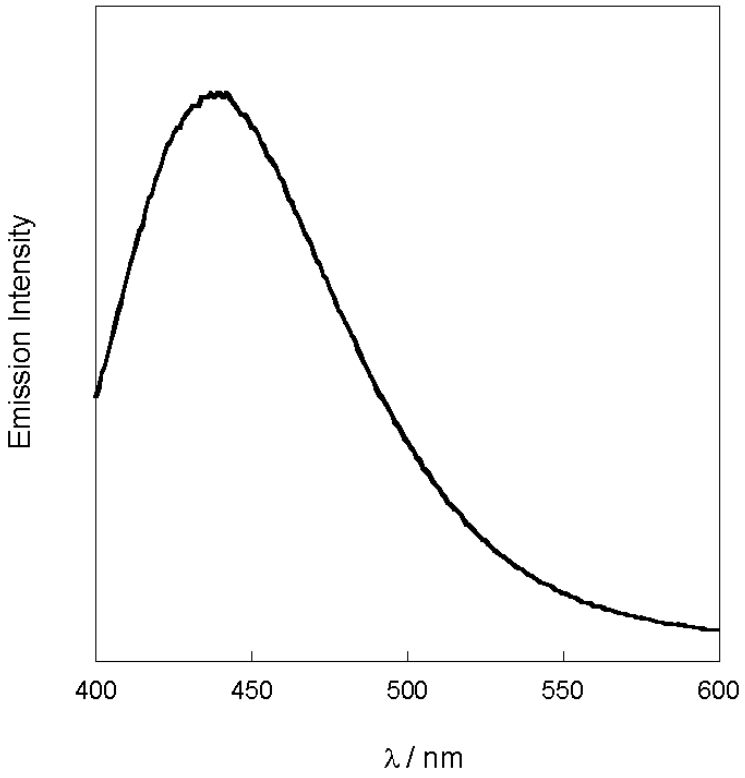

Figure S8: Emission spectrum of **GdL** in methanol. λ_{exc} = 330 nm.

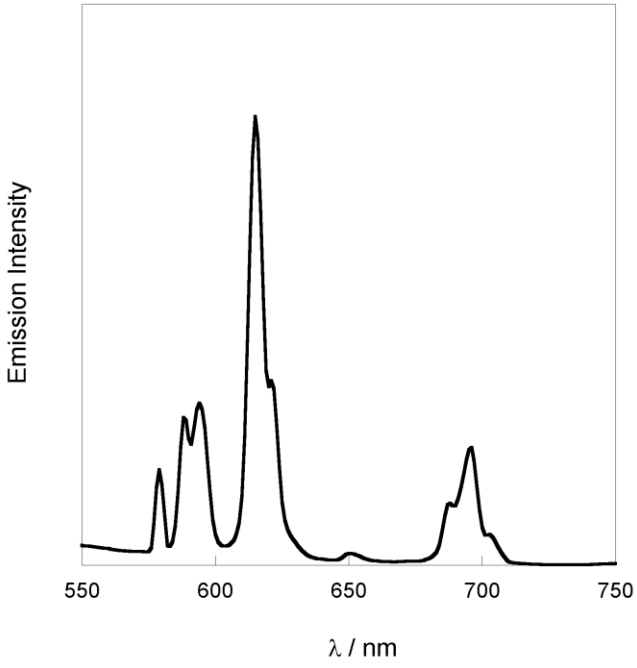

Figure S9: Emission spectrum of **EuL** in methanol. λ_{exc} = 375 nm.

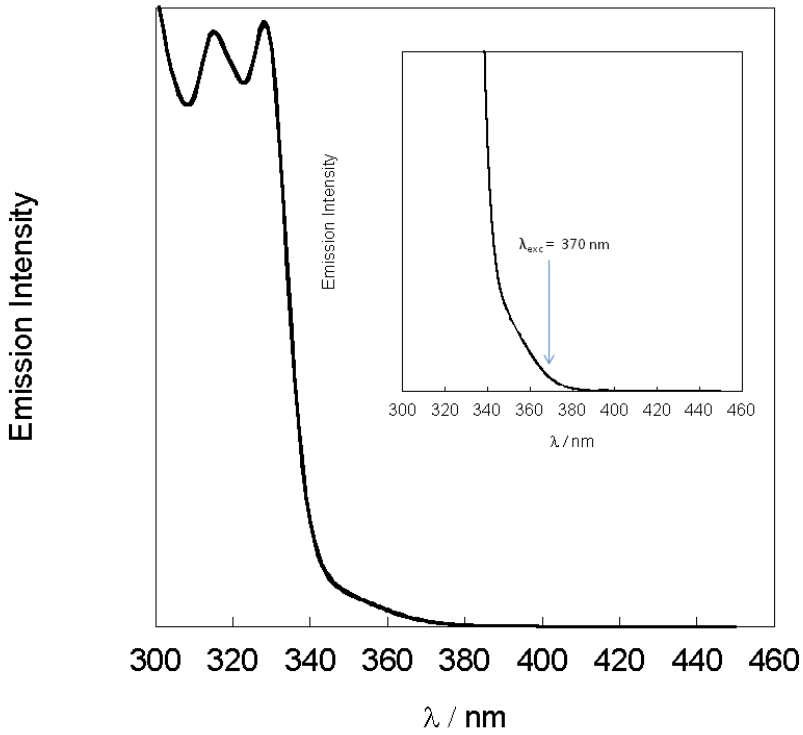

Figure S10: Excitation spectrum associated with emission observed in Figure S9. **EuL** in methanol. λ_{em} = 614 nm. Inset: enlargement of red-edge, quinoline excitation band.

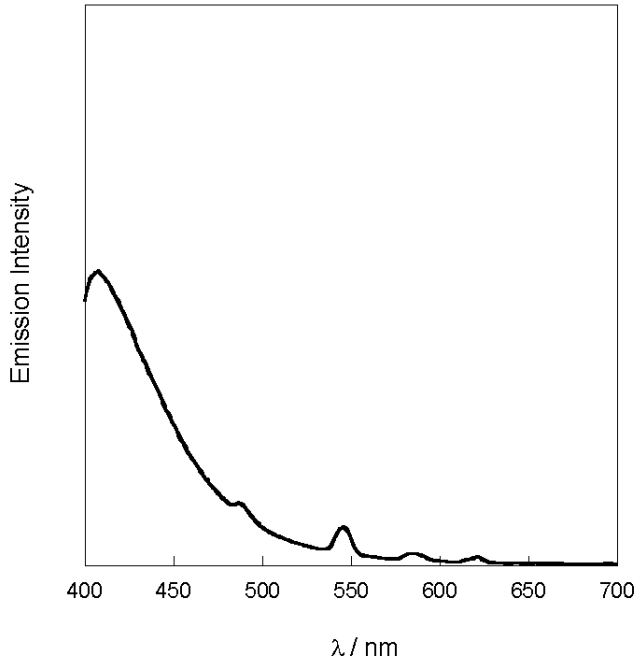

Figure S11: Emission spectrum of **TbL** in methanol. λ_{exc} = 330 nm.

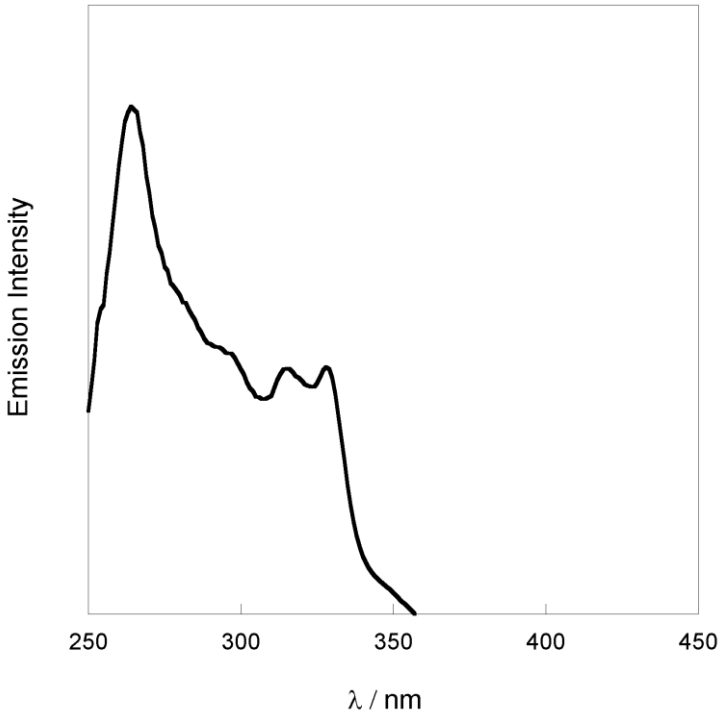

Figure S12: Corrected excitation spectrum of **SmL** in methanol. λ_{em} = 596 nm.

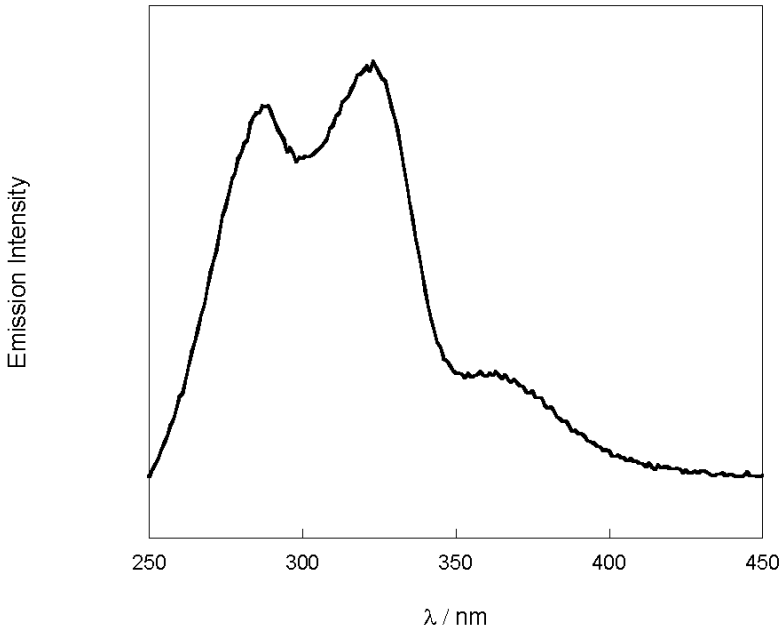

Figure S13: Corrected Excitation spectrum of **NdL** powder. λ_{em} = 1064 nm.

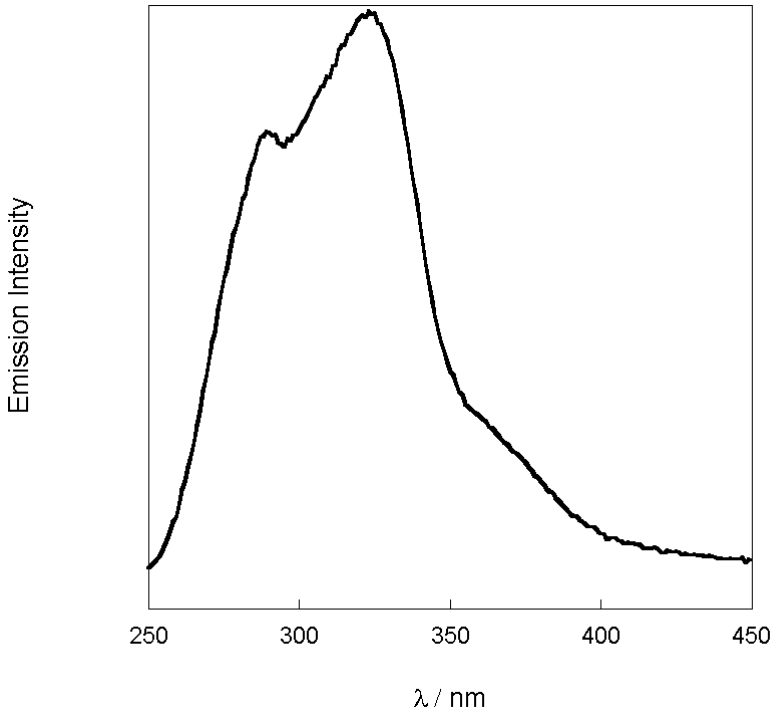

Figure S14: Corrected excitation spectrum of **YbL** powder. λ_{em} = 980 nm.

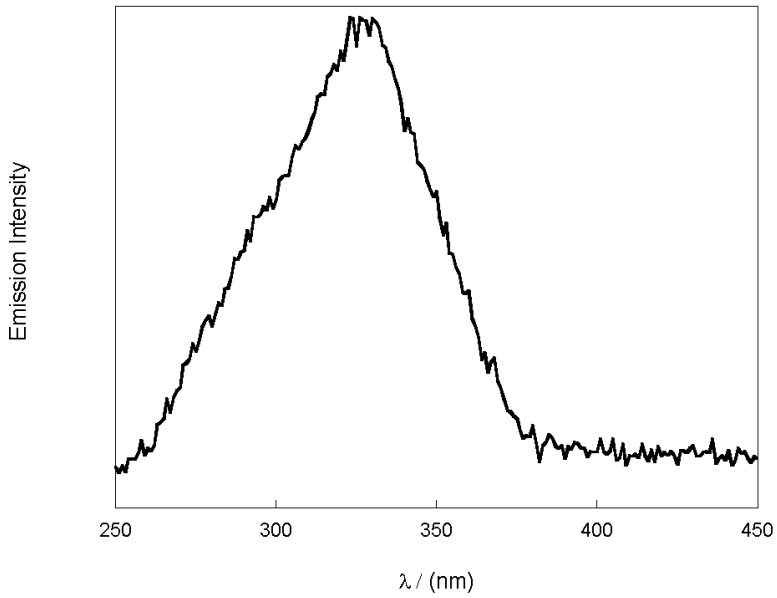

Figure S15: Uncorrected excitation spectrum of **ErL** powder. λ_{em} = 1520 nm.

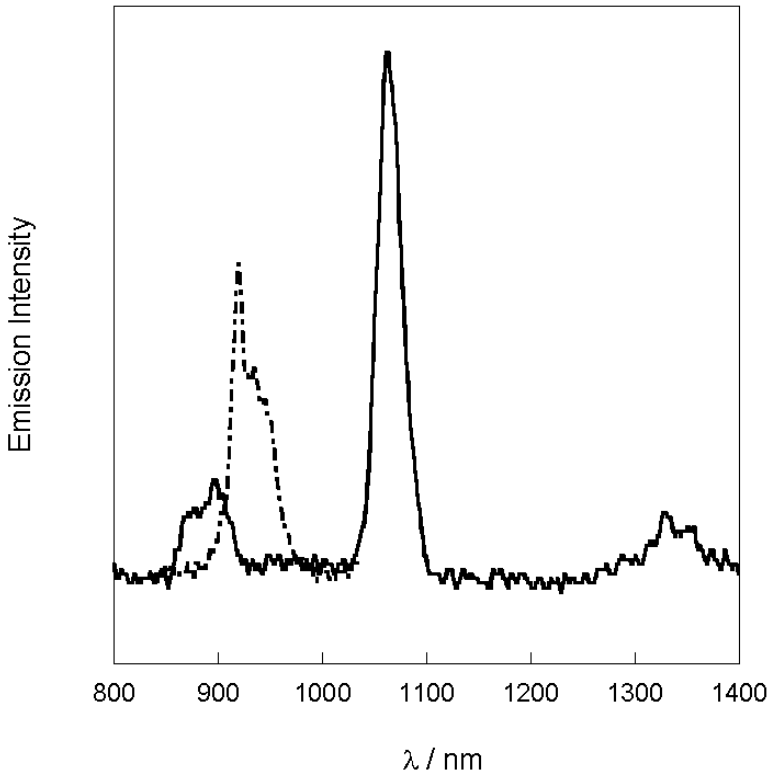

Figure S16: Emission spectra of **NdL** (—) and **YbL** (-▪-) in anhydrous methanol. λ_{exc} = 330 nm.