

Supplementary Information

Novel Luminescent Eu³⁺-Indandionate Complexes Containing Heterobiaryl Ligands

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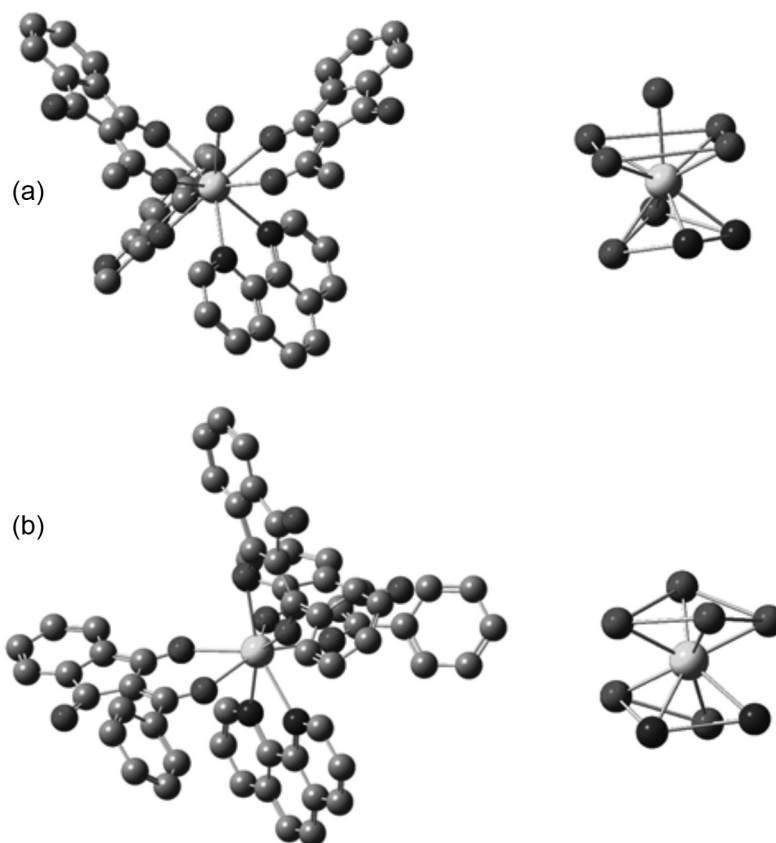


Figure S1. Theoretical geometries of the europium complexes optimized by the Sparkle model: (a) [Eu(aind)₃(phen)(H₂O)], and (b) [Eu(bind)₃(phen)]·H₂O.

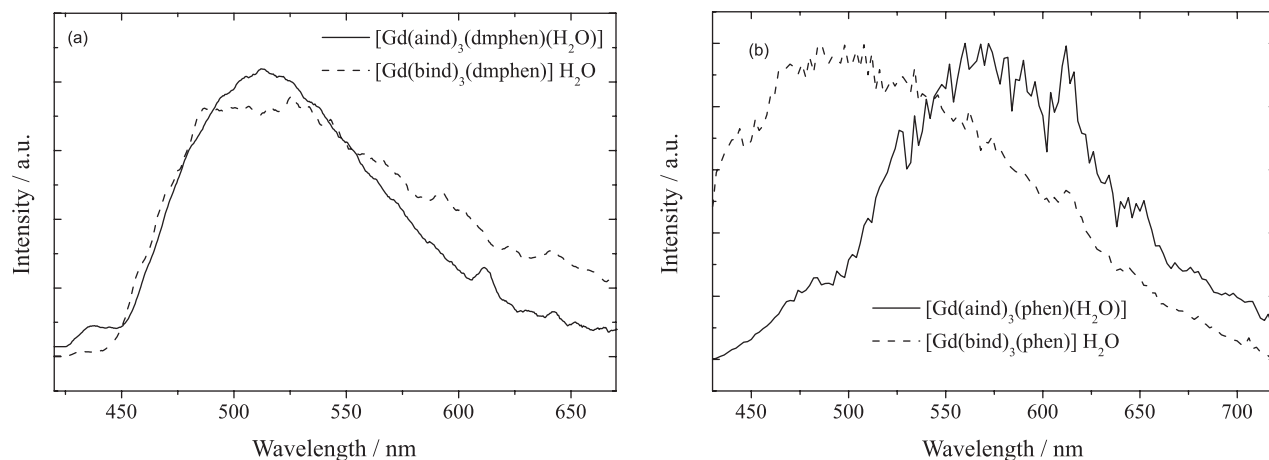


Figure S2. Phosphorescence spectra of the Gd³⁺-compounds recorded at liquid nitrogen temperature in the spectral range 420-670 nm, under excitation at 370 nm: (a) [Gd(aind)₃(dmphen)(H₂O)] (solid line), and [Gd(bind)₃(dmphen)]·H₂O (dash line) and (b) [Gd(aind)₃(phen)(H₂O)] (solid line), and [Gd(bind)₃(phen)]·H₂O (dash line).

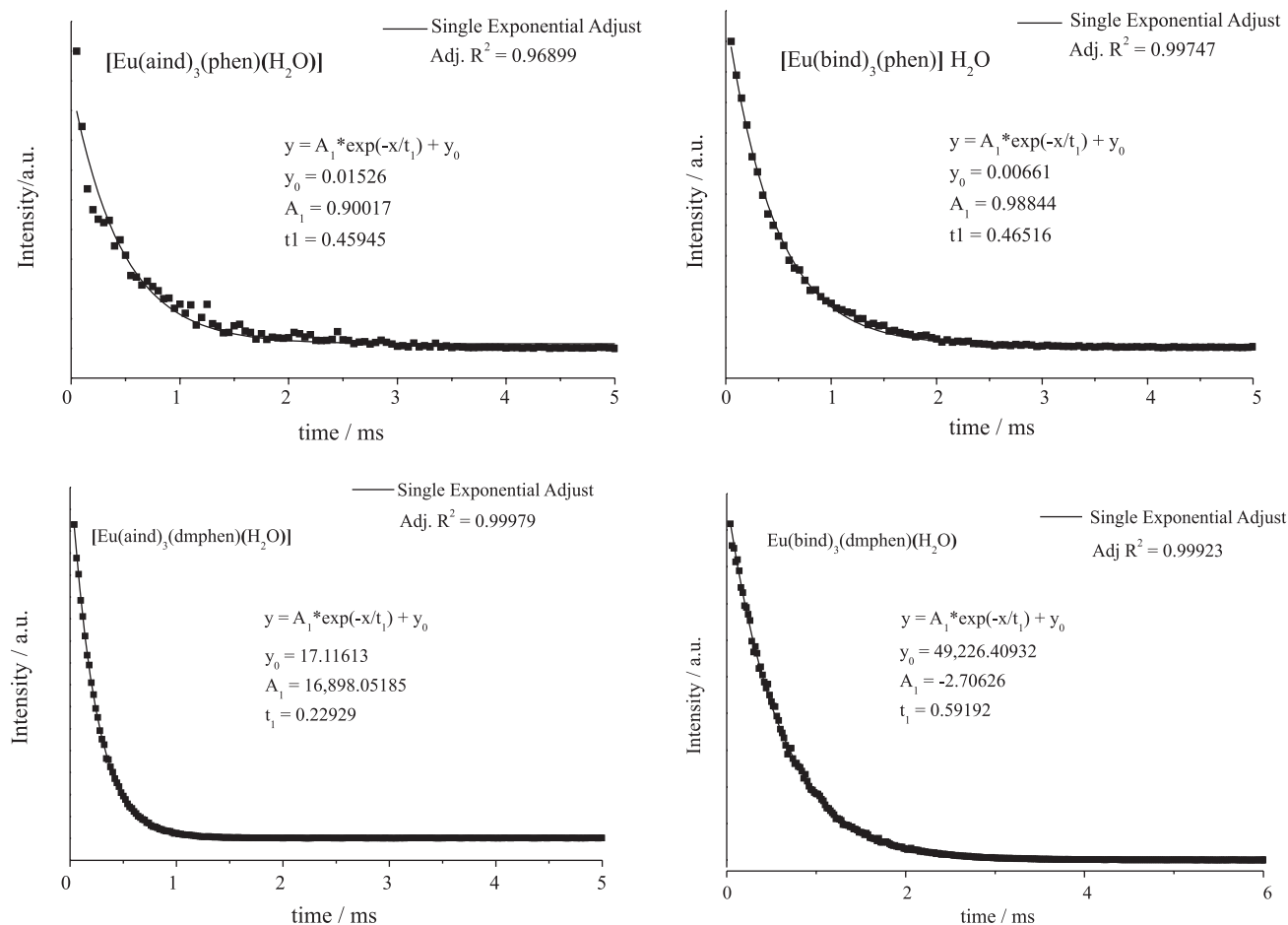


Figure S3. Luminescence decay curves of the Eu³⁺-complexes recorded by monitoring the hypersensitive transition, ⁵D₀→⁷F₂ (611 nm), under excitation in the S₀→S₁ transition centered on the 2-acyl-1,3-indandionate ligands (370 nm).