Supporting Information

Highly emissive host-guest based on nanoclay intercalated with an Eu$^{3+}$ complex bearing a new Ru$^{2+}$ organometallic ligand.

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![Figure S1](image.png)

**Figure S1.** Deconvolved absorption UV-vis spectrum in solution of Ligand 1.
**Figure S2.** Deconvolved absorption UV-vis spectrum in solution of Complex 2.

**Figure S3.** Emission spectra in solid state at 77 K. of [Eu(bzac)$_3$(phen)] complex and organometallic ligand 1.
Figure S4. Non-normalized emission spectra in solid state at 77 K. of complex 2 (left) and nanocomposite 3 (right).