

Structure and Photoluminescent Properties of Lanthanide Coordination Polymers Based on Two Isomers of Iminodiacetic Acid Substituted Isophthalate and Terephthalate Ligands

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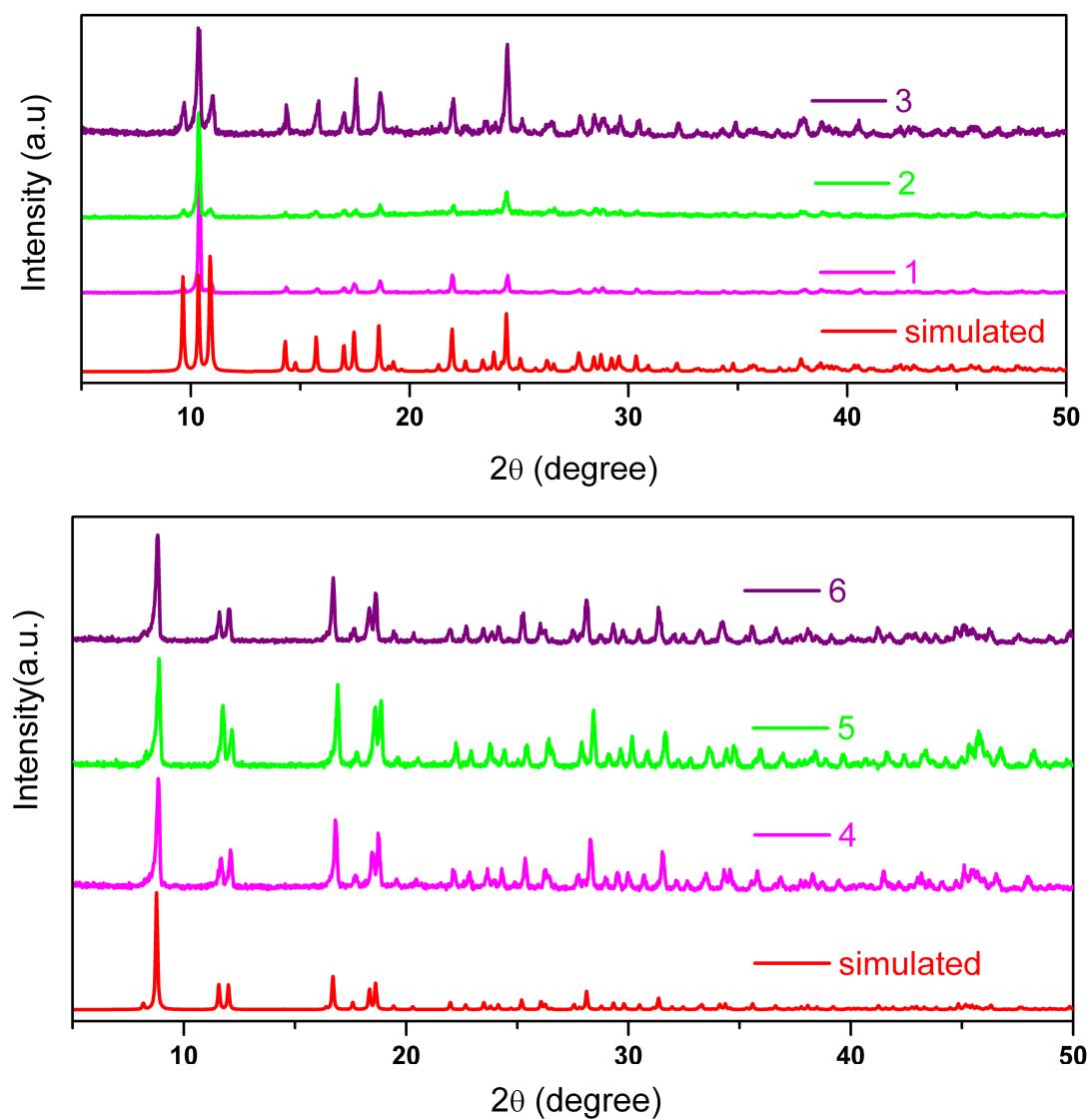


Figure S1. XRD patterns of complexes **1-6**.

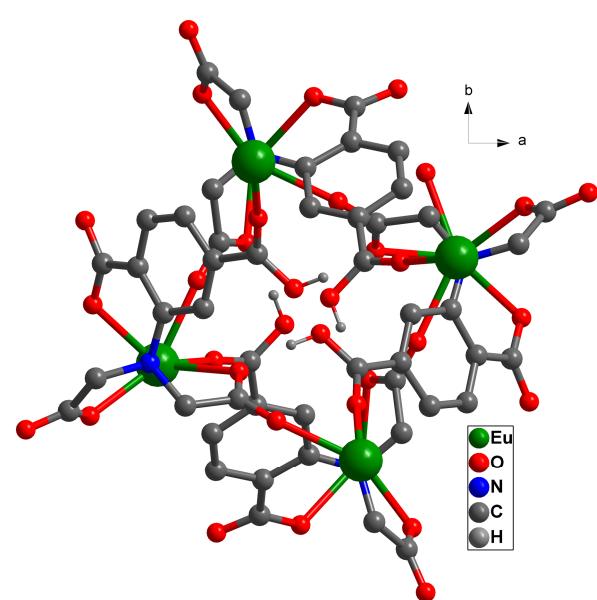


Figure S2. View of the triple-stranded helical chains along *c* axis.

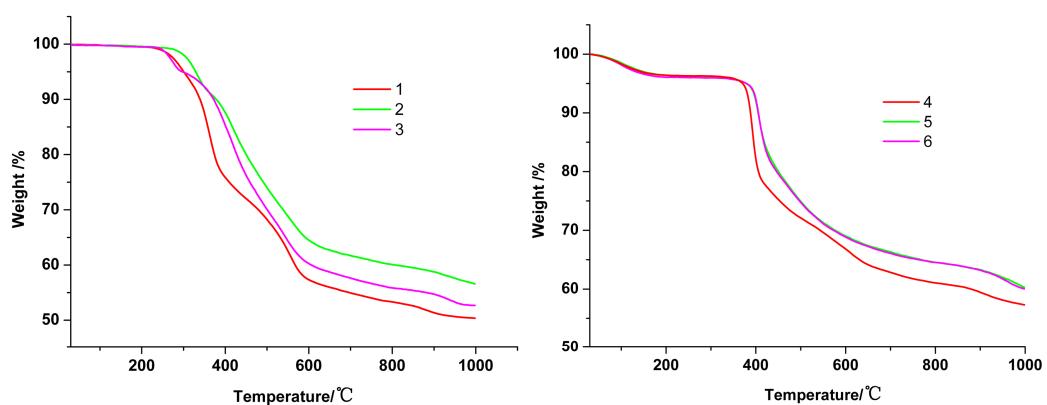


Figure S3. TG curves of complexes 1-6.

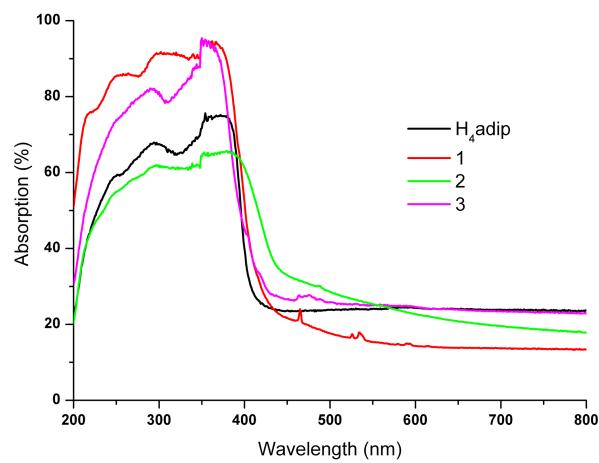


Figure S4. Room temperature UV-vis absorption of ligand H_4adip , complexes **1-3** in the solid state by using BaSO_4 as blank.

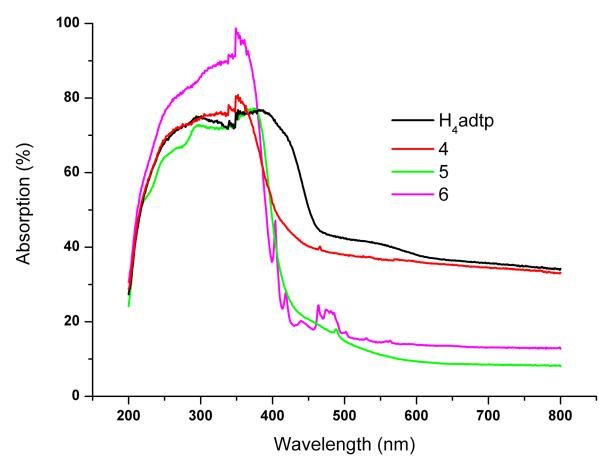


Figure S5. Room temperature UV-vis absorption of ligand H_4adtp , complexes **4-6** in the solid state by using BaSO_4 as blank.

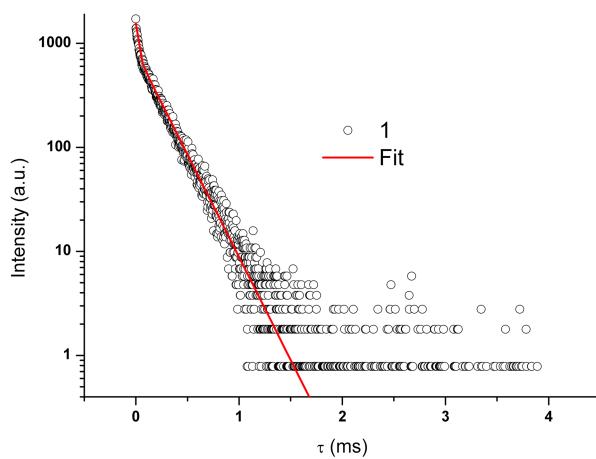


Figure S6. Room temperature decay curve of **1** monitored at 616 nm and excited at 365 nm.

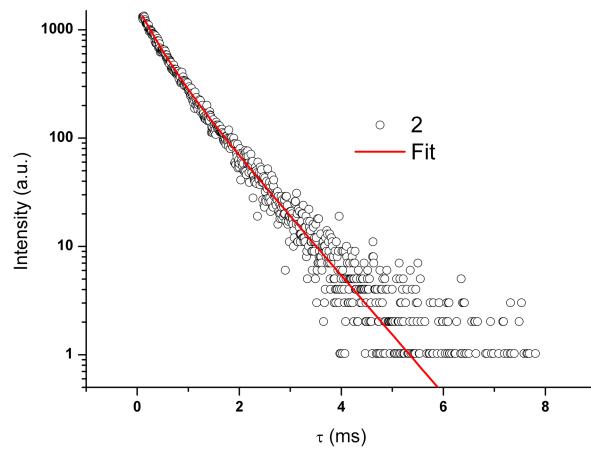


Figure S7. Room temperature decay curve of **2** monitored at 545 nm and excited at 365 nm.

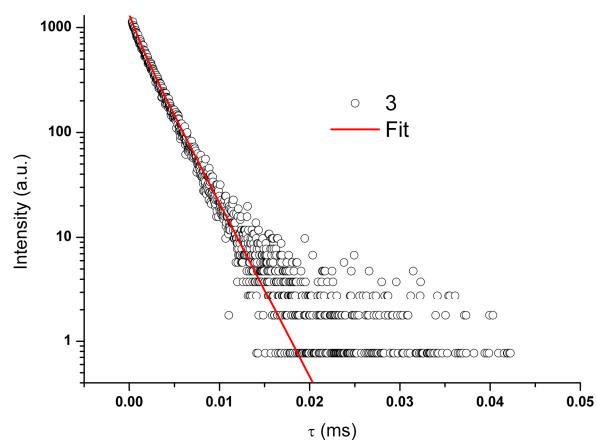


Figure S8. Room temperature decay curve of **3** monitored at 597 nm and excited at 335 nm.

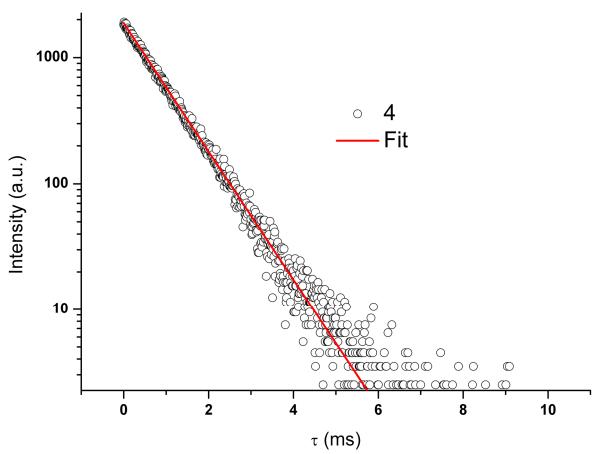


Figure S9. Room temperature decay curve of **4** monitored at 614 nm and excited at 365 nm.

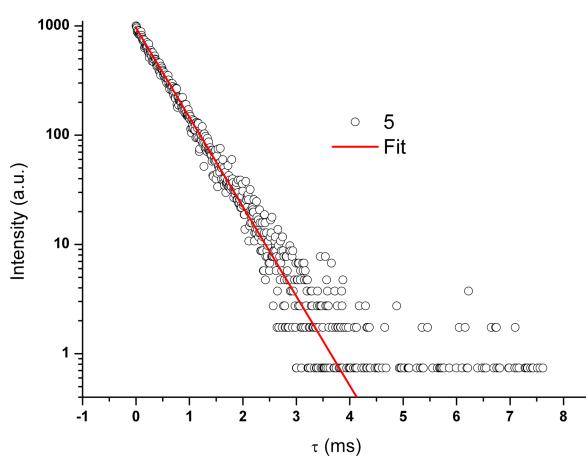


Figure S10. Room temperature decay curve of **5** monitored at 543 nm and excited at 365 nm.

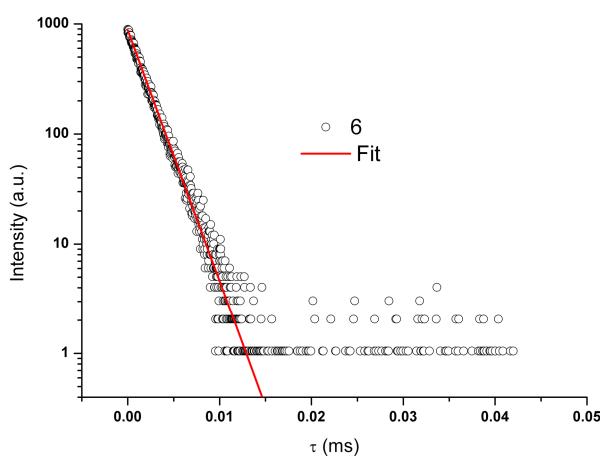


Figure S11. Room temperature decay curve of **6** monitored at 597.5 nm and excited at 313 nm.

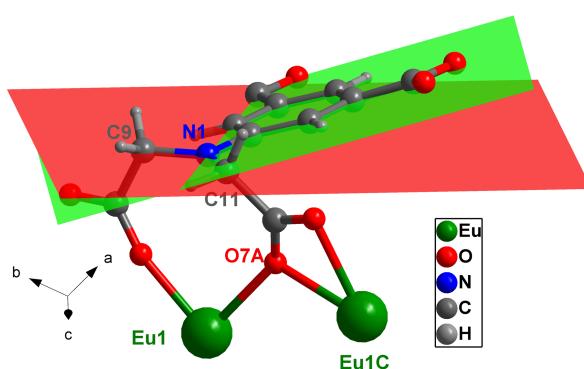


Figure S12. The dihedral between the C9N1C11 plane and phenyl ring in complex **4**.

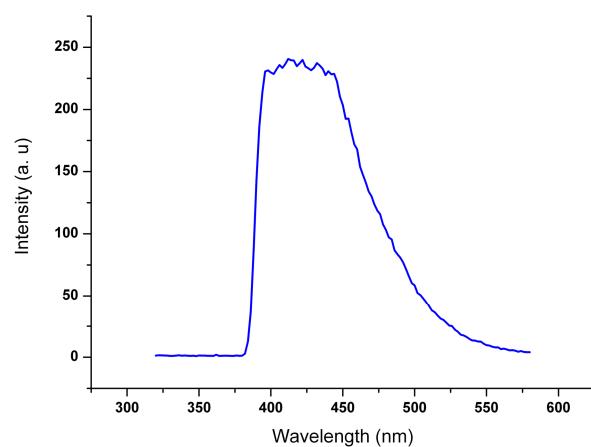


Figure S13. Phosphorescent spectrum of ligand H₄adip at 10K.

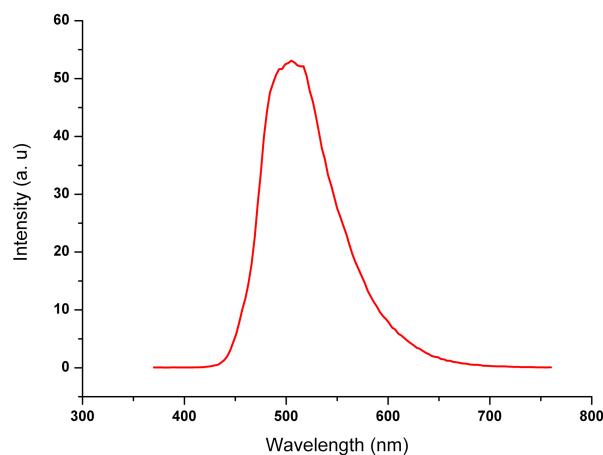


Figure S14. Phosphorescent spectrum of ligand H₄adtp at 10K.

Table S1. The luminescent excitation and emission slit widths of **1-6**.

complex	1	2	3	4	5	6
Emission (nm)	0.5	0.07	1	0.1	0.07	1
Excitation (nm)	1	1	1	1	1	1