

A Fluorescent Bis(benzoxazole) Ligand: Toward Binuclear Zn(II)-Zn(II) Assembly

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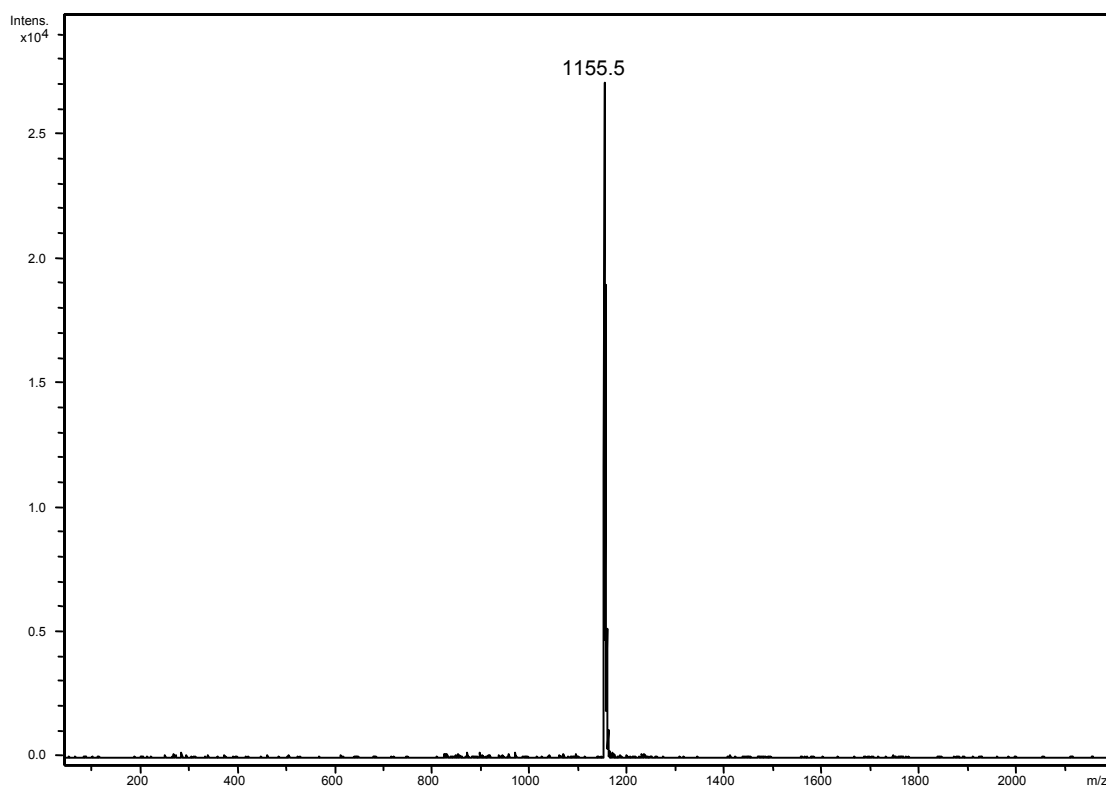


Figure S1. ESI-MS spectra of **5** detected the mass of Zn_2L_3 at 1155 without finding Zn_2L_4 at 1496.

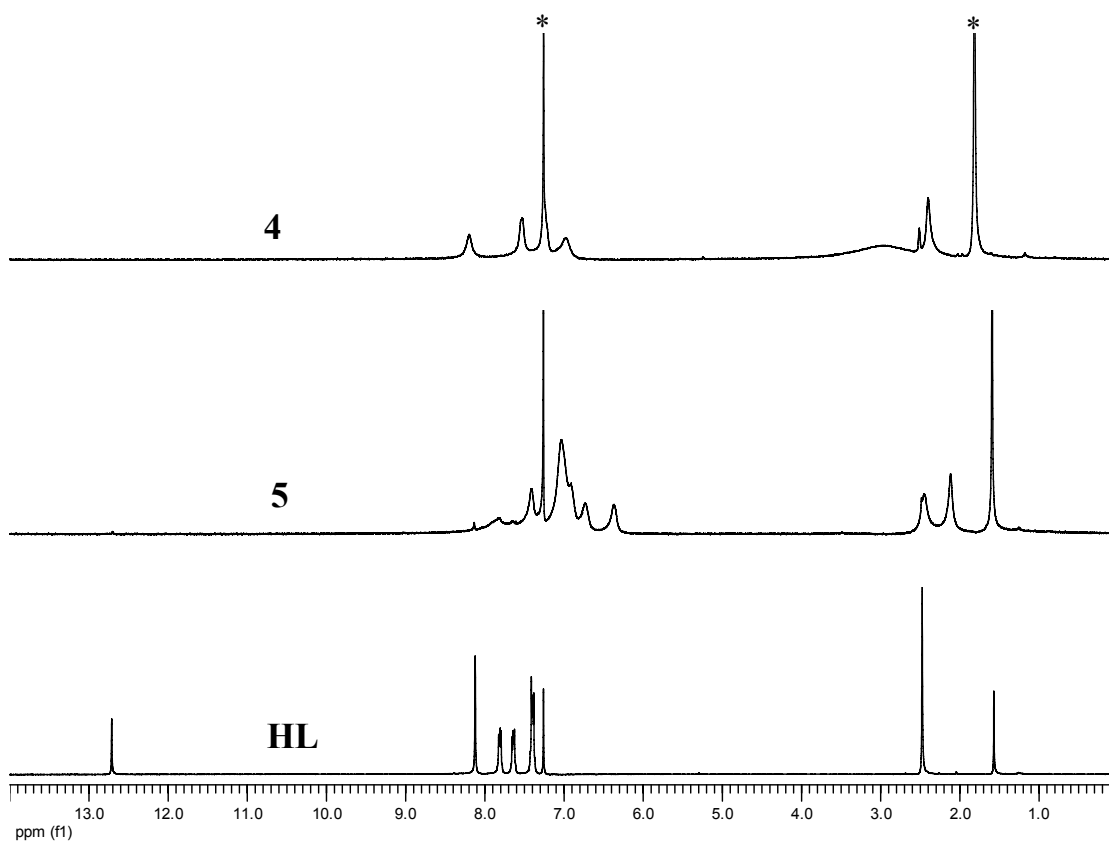


Figure S2. The NMR spectra of ligand (bottom) and complexes **4** and **5**. The starred (*) signals at 7.25 and 1.5 ppm are attributed to solvent CHCl₃ and water, respectively.

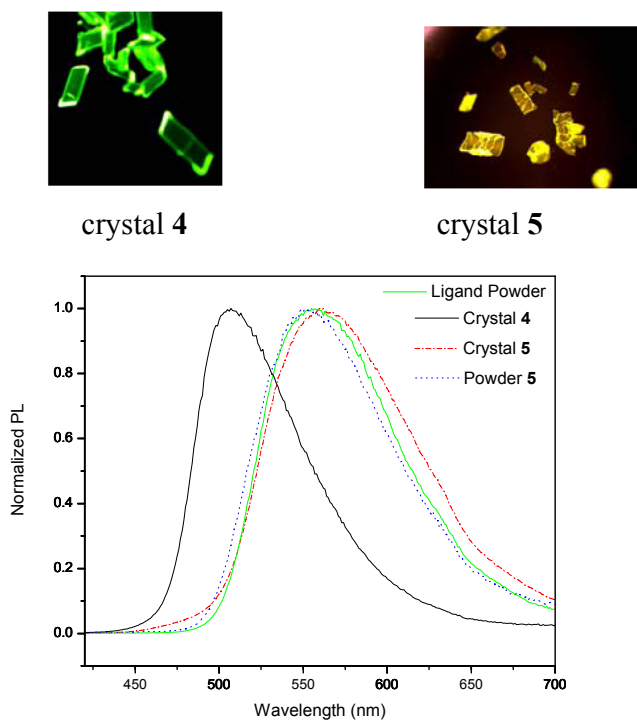


Figure S3. Images of fluorescent crystals **4** and **5** when excited with blue light (top); and their emission spectra (bottom).

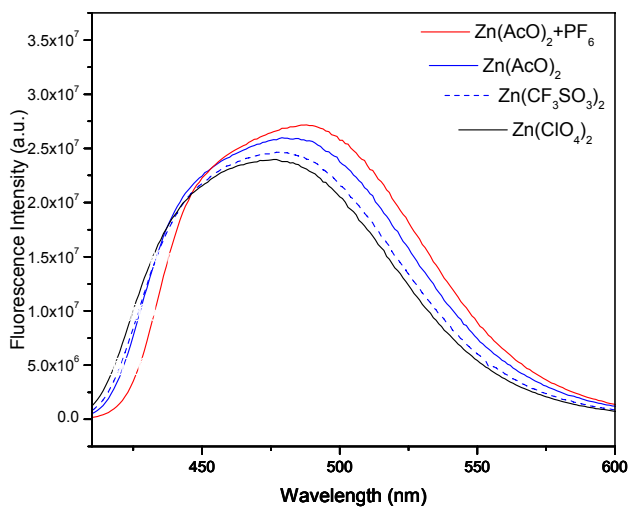


Figure S4. Effects of different counter ions (Y^-) on the fluorescence of $Zn_2L_2Y_2$ in THF.

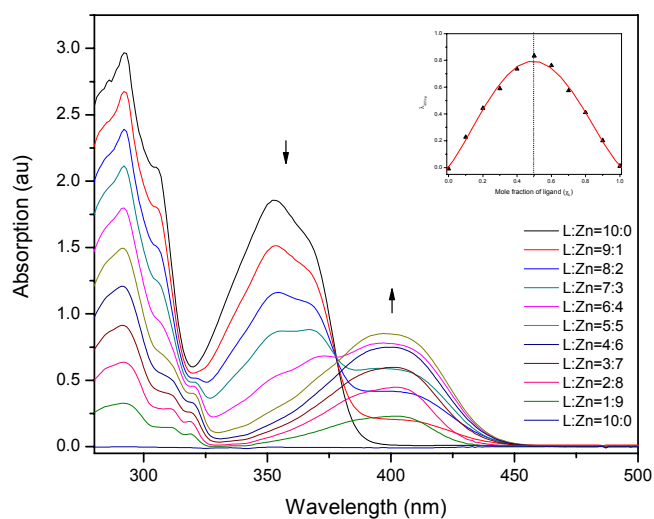


Figure S5. Job's titration plot of ligand **HL** in CHCl_3 with $\text{Zn}(\text{OAc})_2 \cdot 2\text{H}_2\text{O}$ in DMSO, showing the 1:1 ratio in the metal complex.

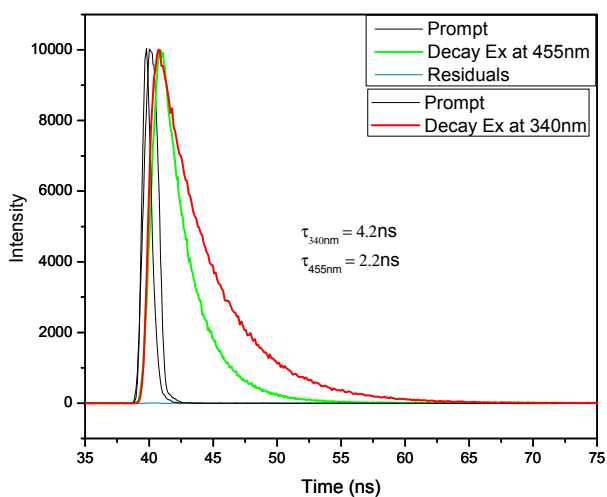


Figure S6. Time-domain of fluorescence decays of **5** in CHCl_3 when excited at 340 and 455 nm.

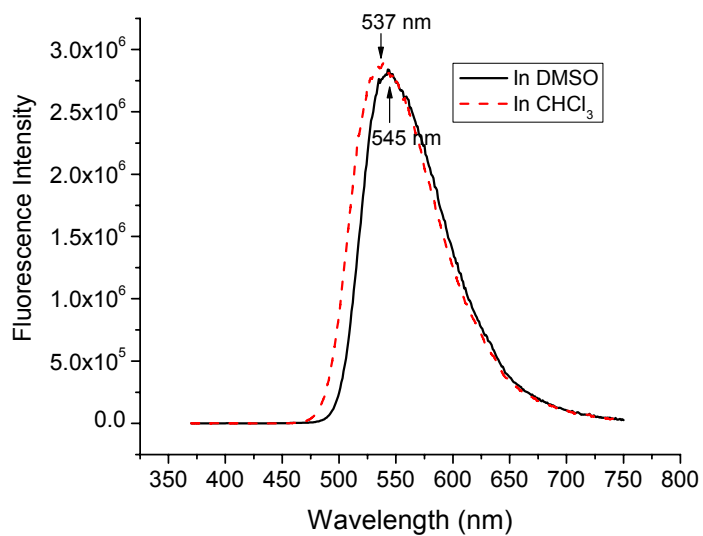


Figure S7. Fluorescence spectra of ligand in CHCl₃ (λ_{em} =537 nm) and in DMSO (λ_{em} =545 nm).