

Supporting Information

Figure 1s Changes in the UV–Vis absorption spectra by titration of $[\text{Zn}(\text{L}^1)(\text{Py})]$ with $\text{Nd}(\text{NO}_3)_3 \cdot 6(\text{H}_2\text{O})$ in MeCN solutions (4×10^{-5} M)

Figure 2s Titration of $[\text{Zn}(\text{L}^1)(\text{Py})]$ with $\text{Nd}(\text{NO}_3)_3 \cdot 6(\text{H}_2\text{O})$ in MeCN solution (4×10^{-5} M), showing the quenching of $[\text{Zn}(\text{L}^1)(\text{Py})]$ chromophore-based visible emission upon gradual addition of $\text{Nd}(\text{NO}_3)_3 \cdot 6(\text{H}_2\text{O})$

Figure 3s Titration of $[\text{Zn}(\text{L}^1)(\text{Py})]$ with $\text{Nd}(\text{NO}_3)_3 \cdot 6(\text{H}_2\text{O})$ in MeCN solution (4×10^{-5} M), showing a gradual increase of Nd-centered NIR emission upon gradual addition of $\text{Nd}(\text{NO}_3)_3 \cdot 6(\text{H}_2\text{O})$

Figure 4s Changes in the UV–Vis absorption spectra by titration of $[\text{Zn}(\text{L}^2)(\text{Py})]$ with $\text{Nd}(\text{NO}_3)_3 \cdot 6(\text{H}_2\text{O})$ in MeCN solutions (4×10^{-5} M)

Figure 5s Titration of $[\text{Zn}(\text{L}^2)(\text{Py})]$ with $\text{Nd}(\text{NO}_3)_3 \cdot 6(\text{H}_2\text{O})$ in MeCN solutions (4×10^{-5} M), showing the gradual quenching of $[\text{Zn}(\text{L}^2)(\text{Py})]$ chromophore-based visible emission upon gradual addition of $\text{Nd}(\text{NO}_3)_3 \cdot 6(\text{H}_2\text{O})$

Figure 6s Titration of $[\text{Zn}(\text{L}^2)(\text{Py})]$ with $\text{Nd}(\text{NO}_3)_3 \cdot 6(\text{H}_2\text{O})$ in MeCN solutions (4×10^{-5} M), showing a gradual increase of Nd-centered NIR emission upon gradual addition of

$\text{Nd}(\text{NO}_3)_3 \bullet 6(\text{H}_2\text{O})$

Figure 1s

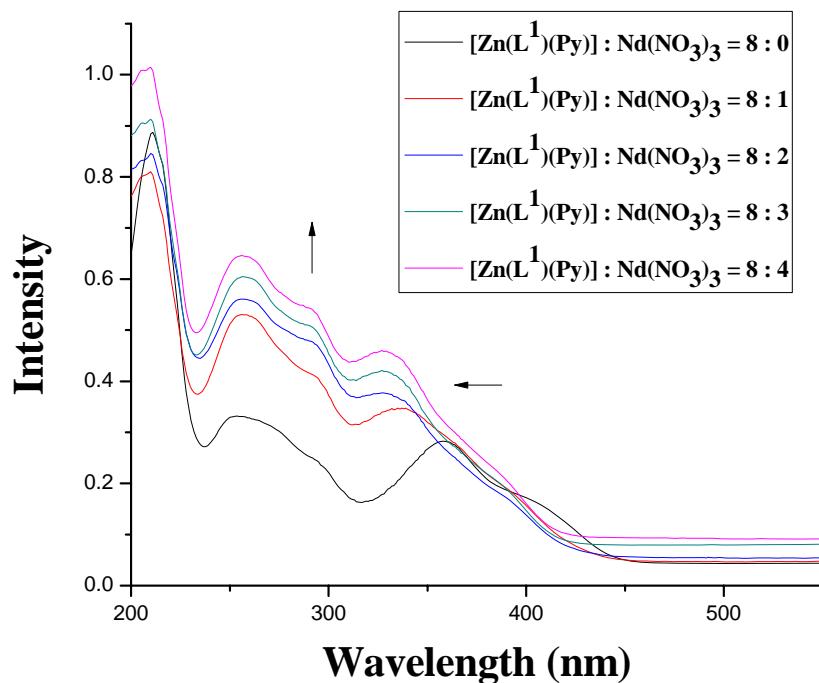


Figure 2s

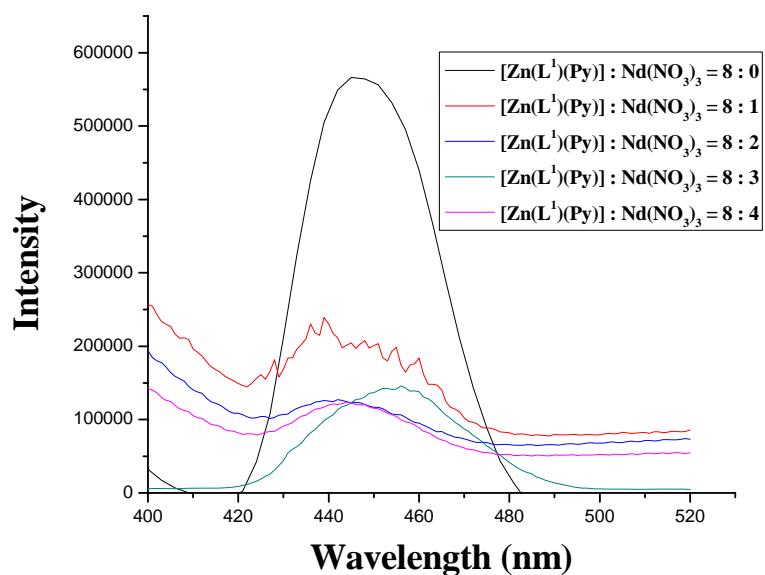


Figure 3s

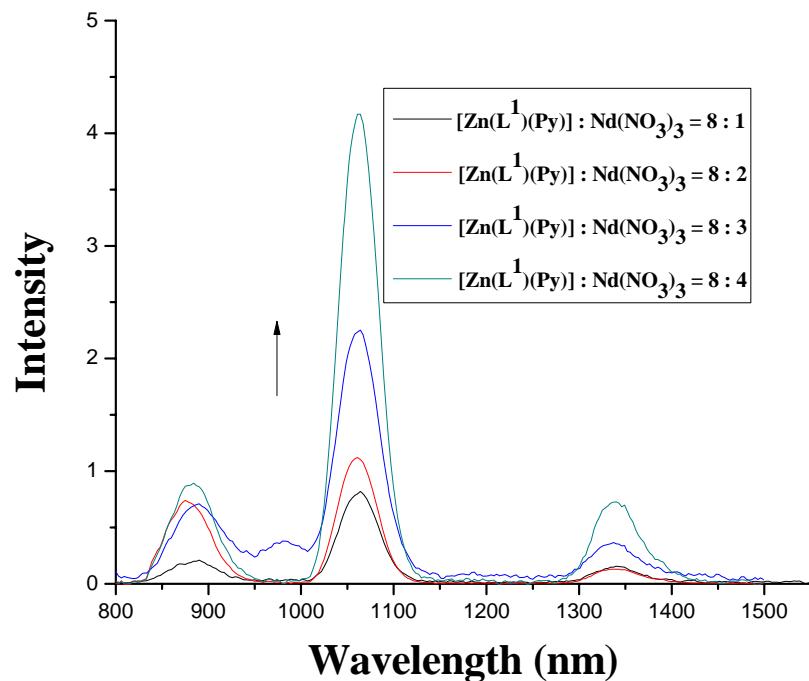


Figure 4s

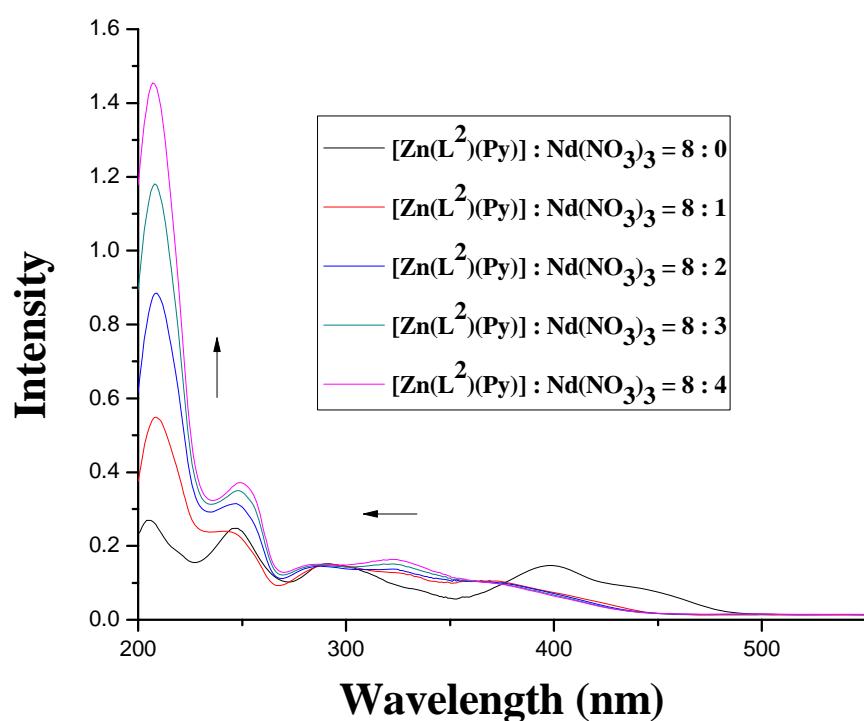


Figure 5s

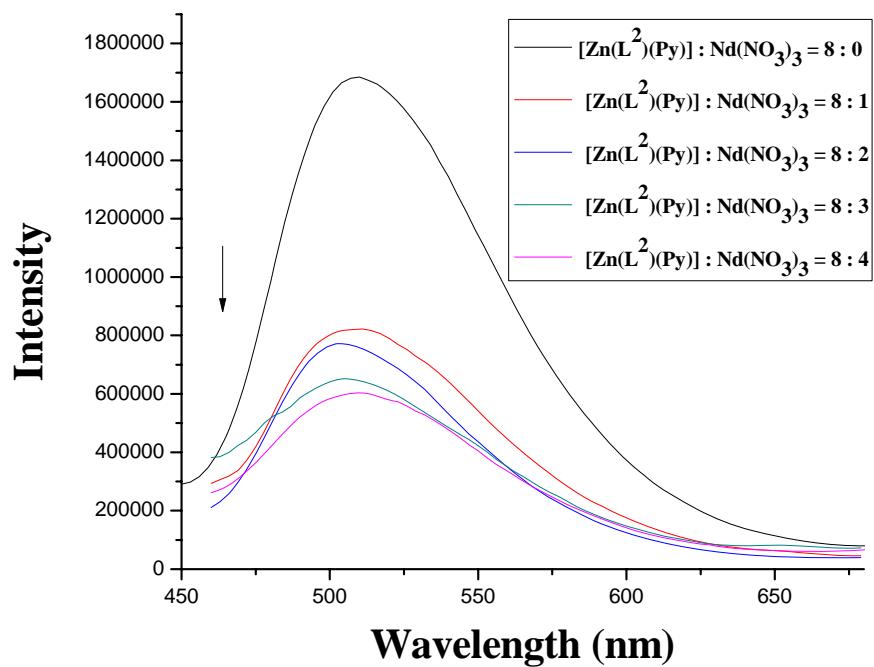


Figure 6s

