

ELECTRONIC SUPPLEMENTARY INFORMATION

Nitroaromatic-detecting cadmium cyclohexyldicarboxylate coordination polymers with
bis(4-pyridylmethyl)piperazine coligands and unprecedented 2D and 3D topologies

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Fig. S1. *ABAB* stacking pattern of adjacent coordination polymer layers in **1**.

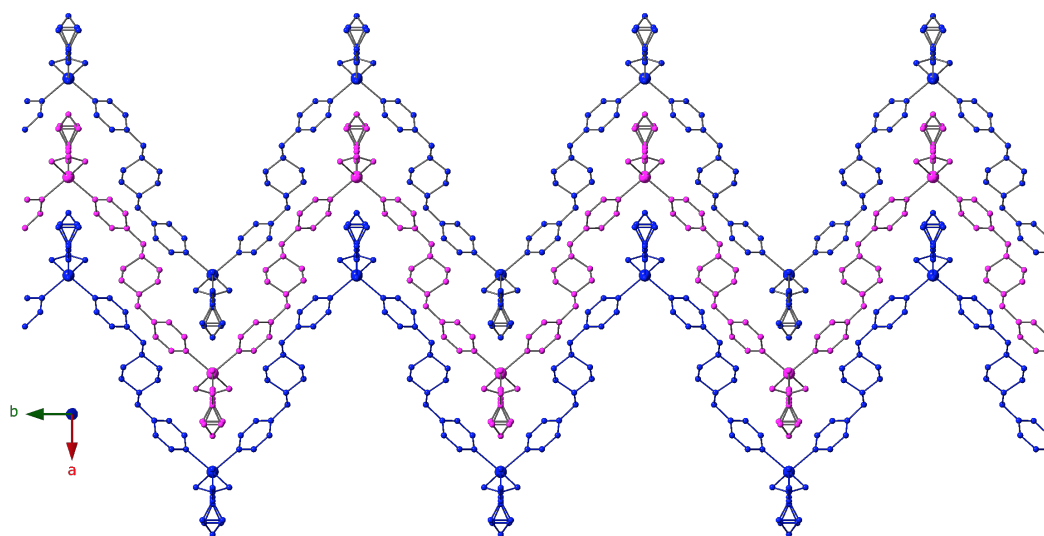


Fig. S2. *AAA* stacking pattern of adjacent coordination polymer layers in **2**.

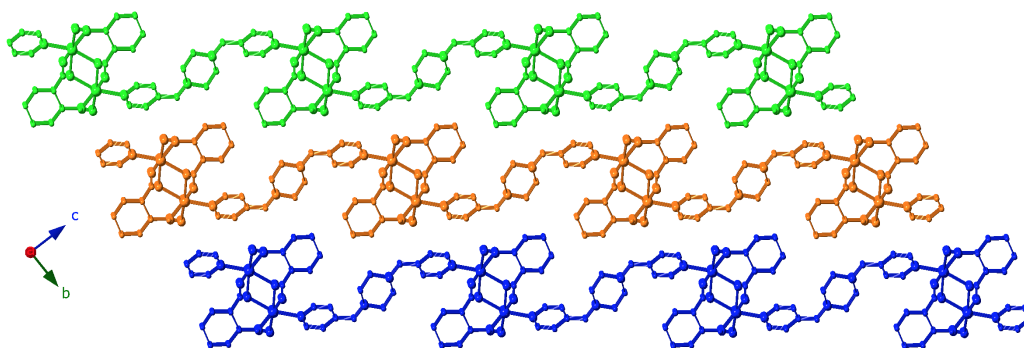


Fig. S3. TGA trace for **1**.

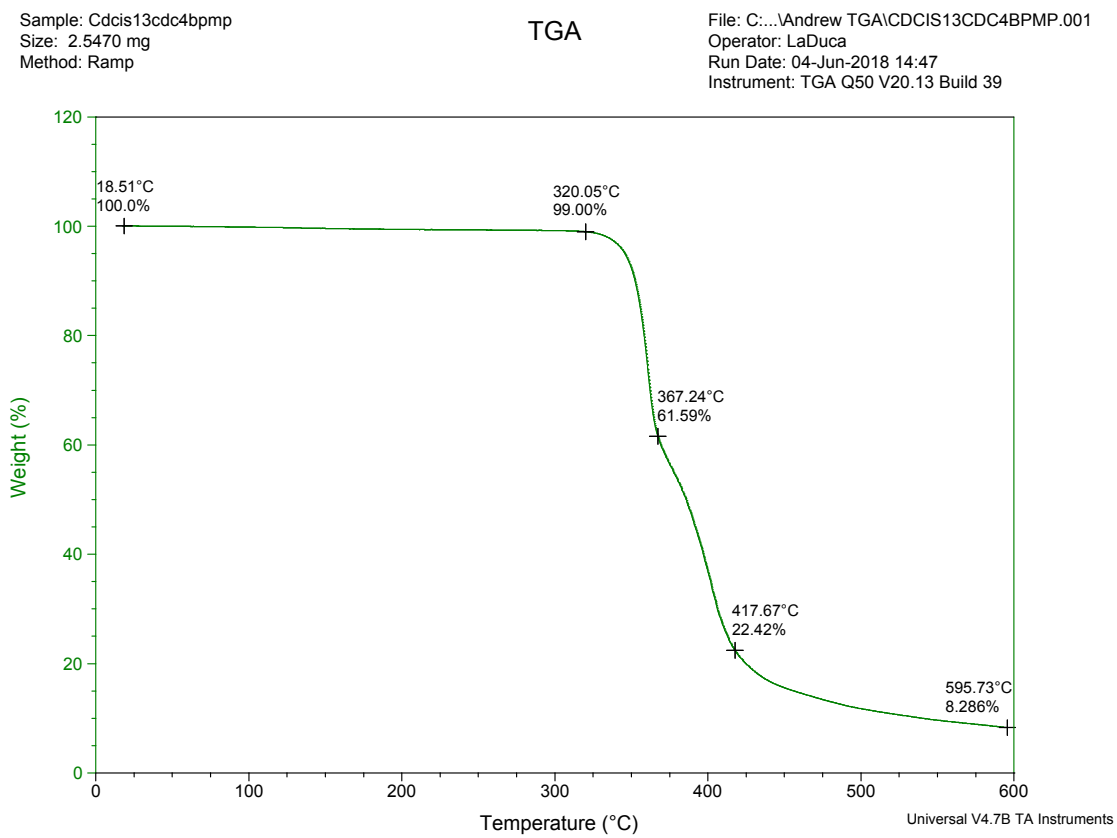


Fig. S4. TGA trace for **2**.

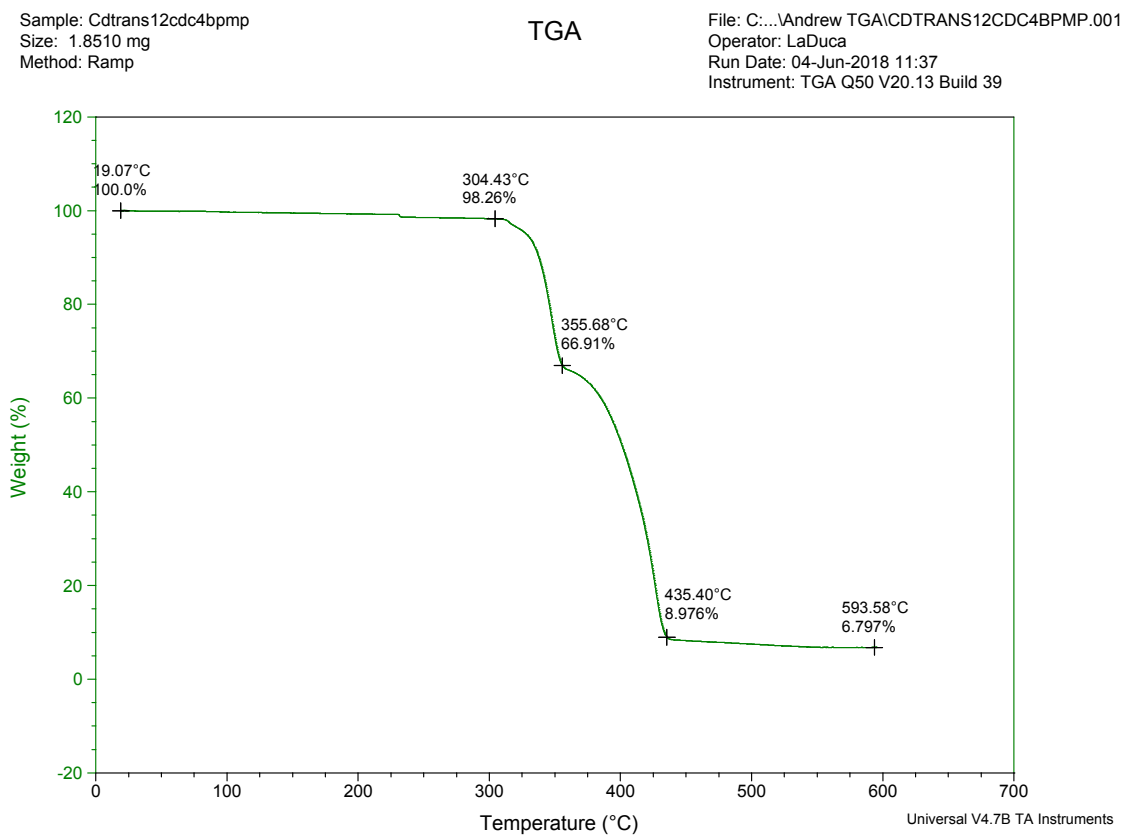


Fig. S5. TGA trace for **3**.

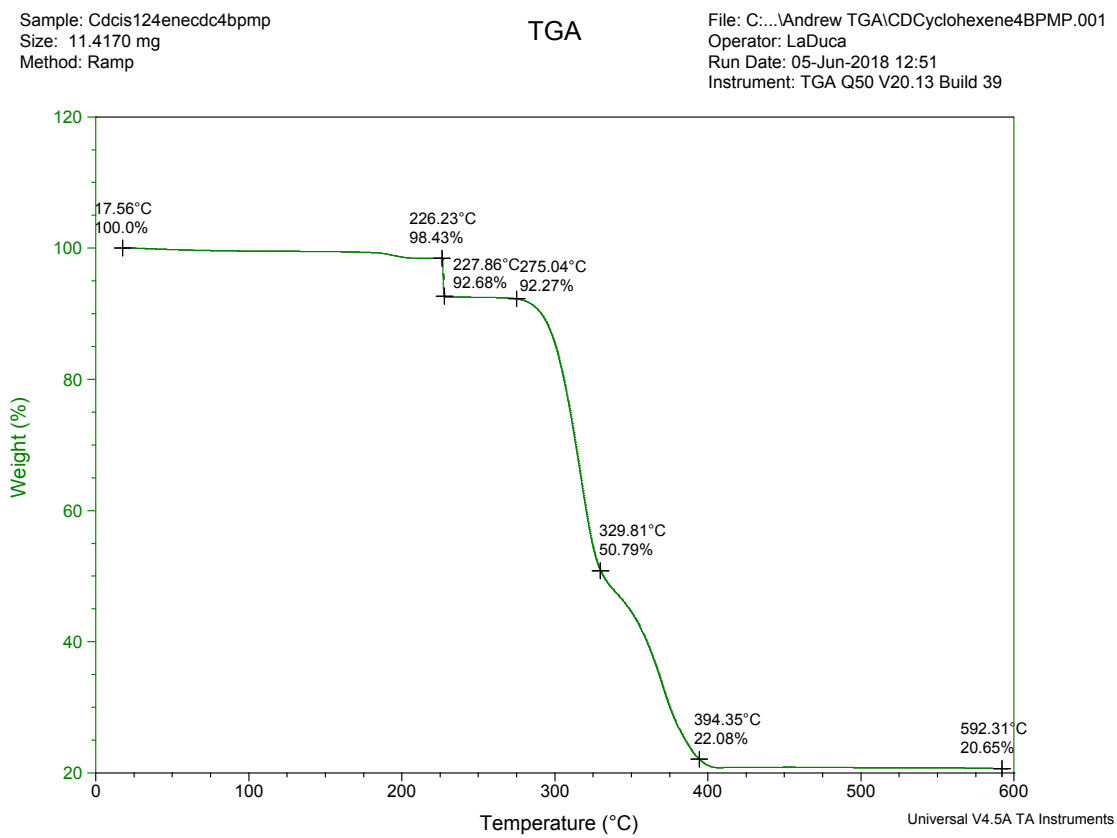


Fig. S6. Emission spectra for **2** in ethanol suspension, with increasing amounts of 1×10^{-4} M NB solution in DMSO. The volumes indicated are the total amount of the NB solution in DMSO added.

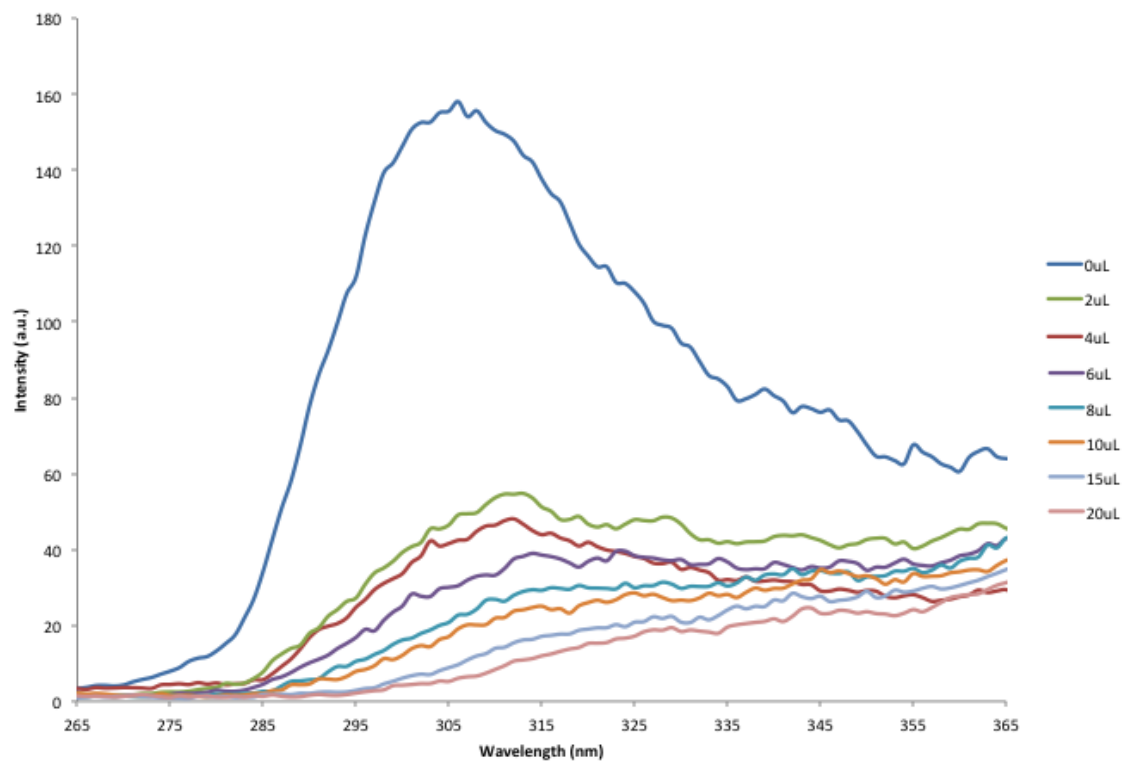


Fig. S7. Emission spectra for **3** in ethanol suspension, with increasing amounts of 1×10^{-4} M NB solution in DMSO. The volumes indicated are the total amount of the NB solution in DMSO added.

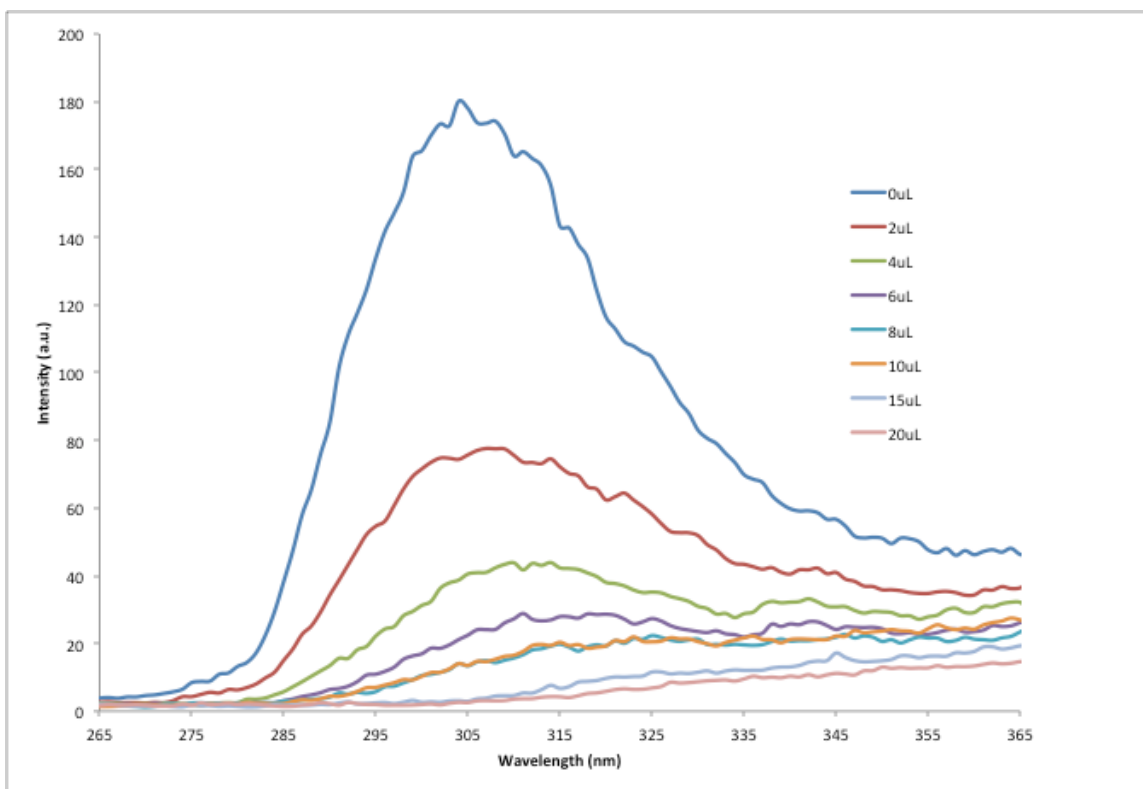


Fig. S8. Emission spectra for **1** in ethanol suspension, with increasing amounts of 1×10^{-4} M NP solution in DMSO. The volumes indicated are the total amount of the NP solution in DMSO added.

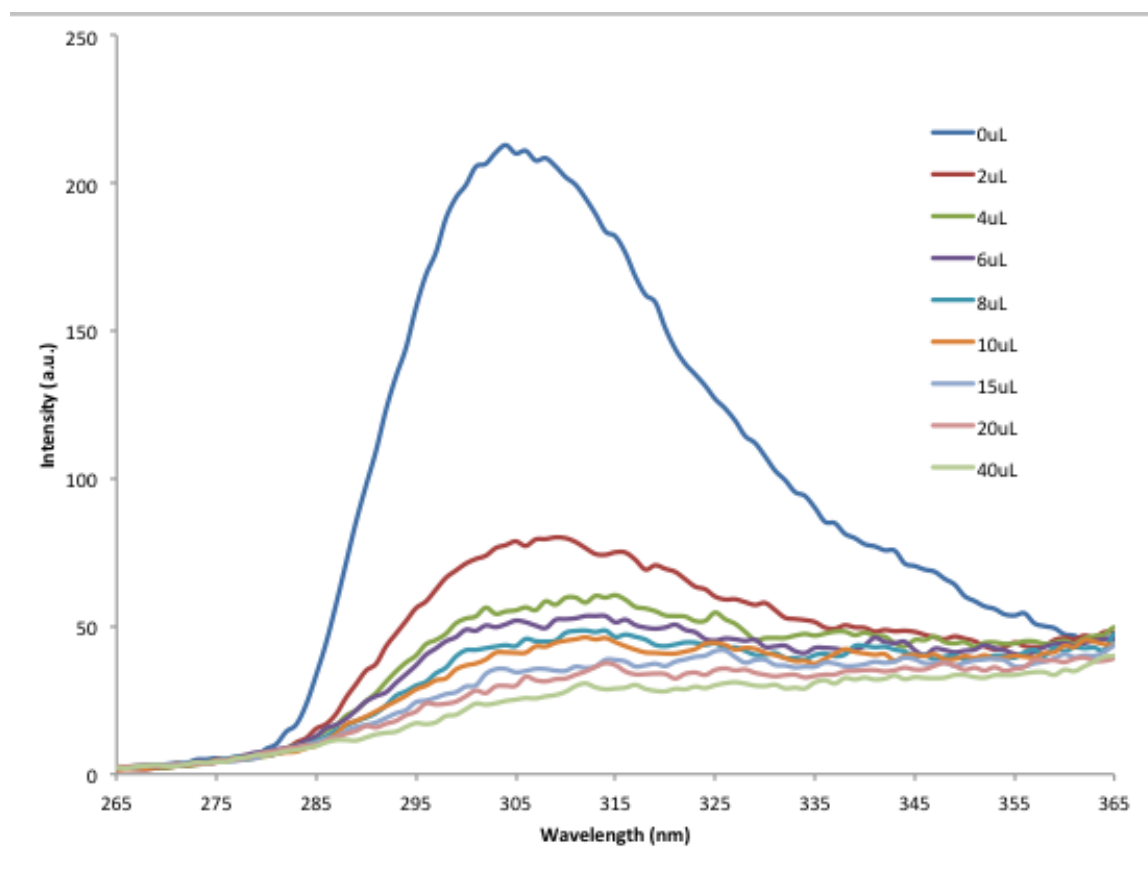


Fig. S9. Emission spectra for **2** in ethanol suspension, with increasing amounts of 1×10^{-4} M NP solution in DMSO. The volumes indicated are the total amount of the NP solution in DMSO added.

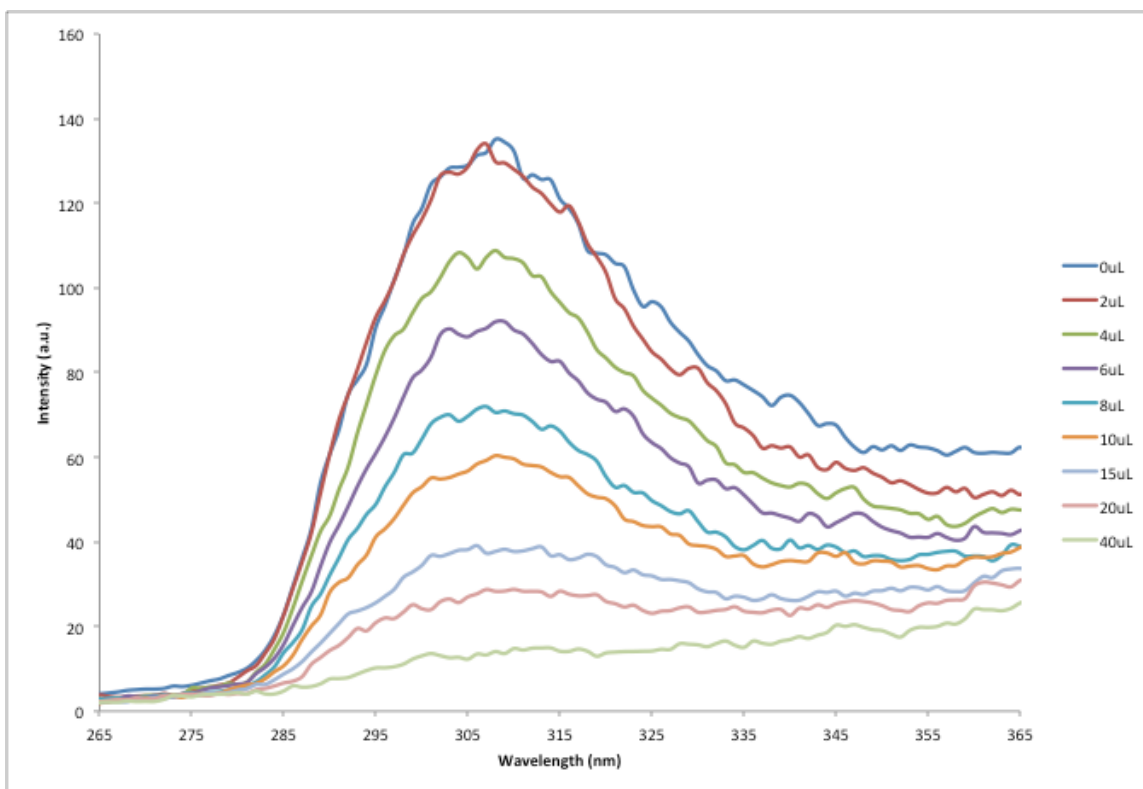


Fig. S10. Emission spectra for **3** in ethanol suspension, with increasing amounts of 1×10^{-4} M NP solution in DMSO. The volumes indicated are the total amount of the NP solution in DMSO added.

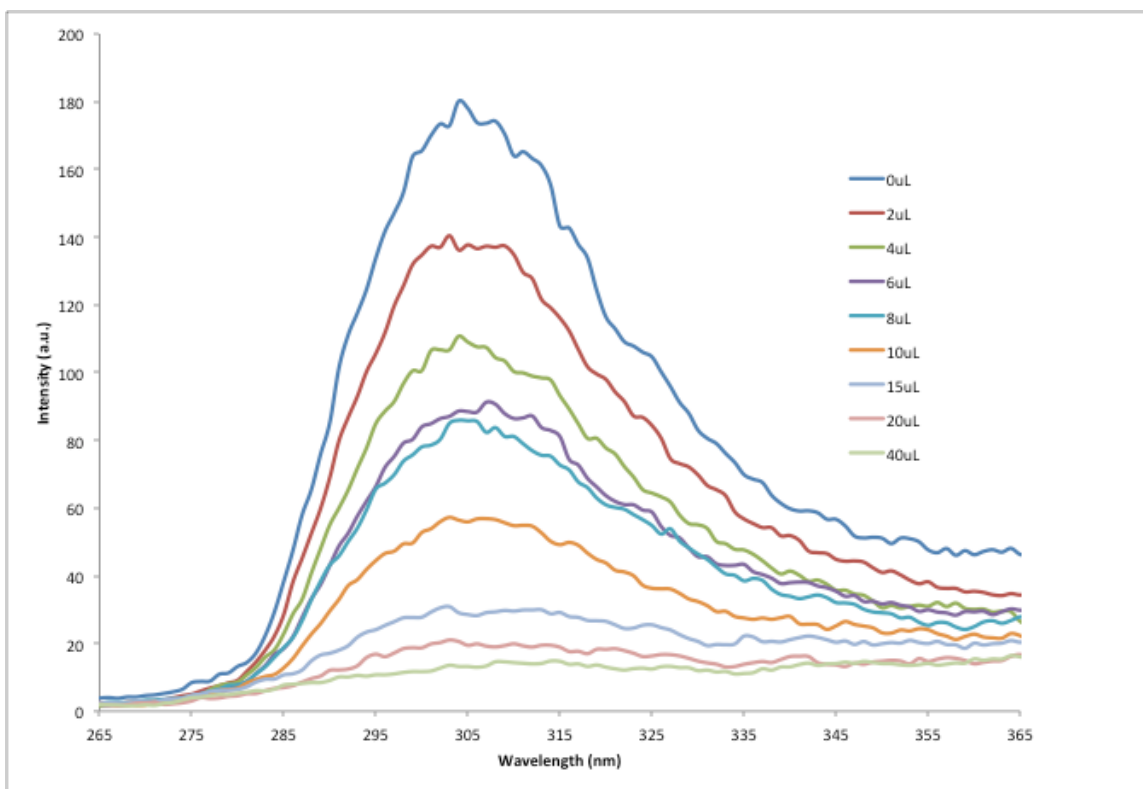


Fig. S11. Stern-Volmer plot for **1** in the presence of $1 \times 10^{-4} M$ NB solution in DMSO.

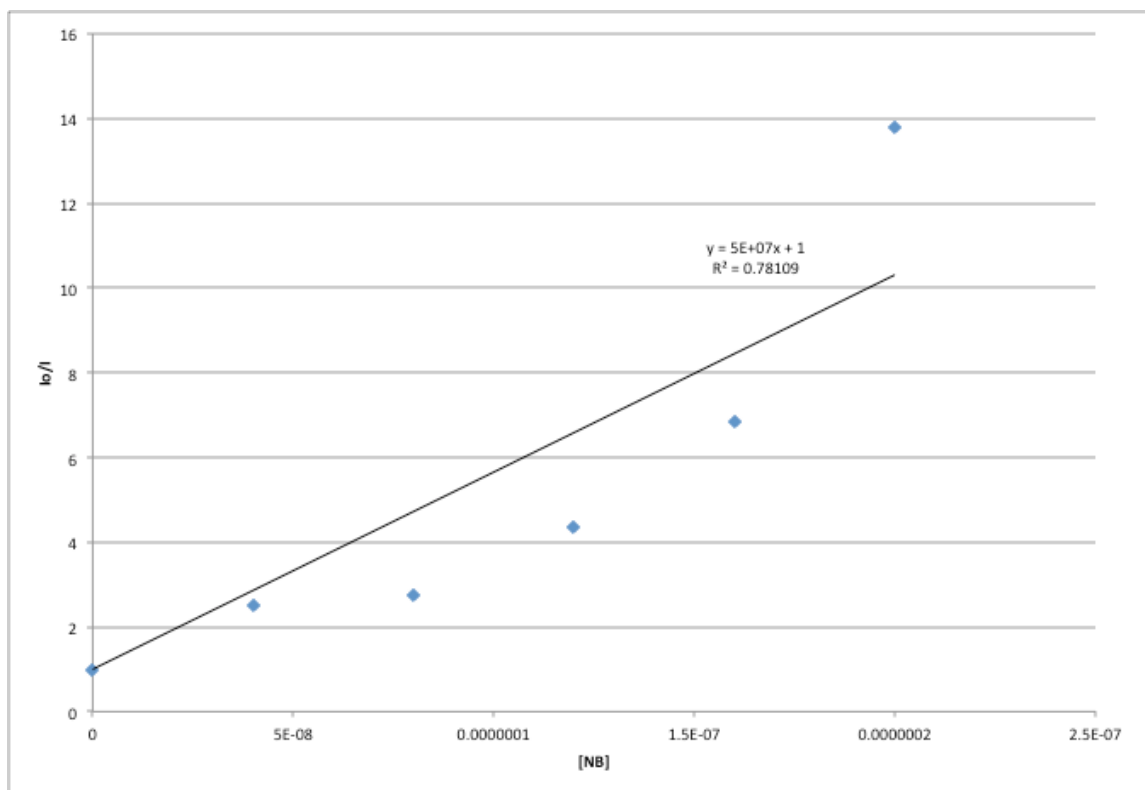


Fig. S12. Stern-Volmer plot for **2** in the presence of $1 \times 10^{-4} M$ NB solution in DMSO.

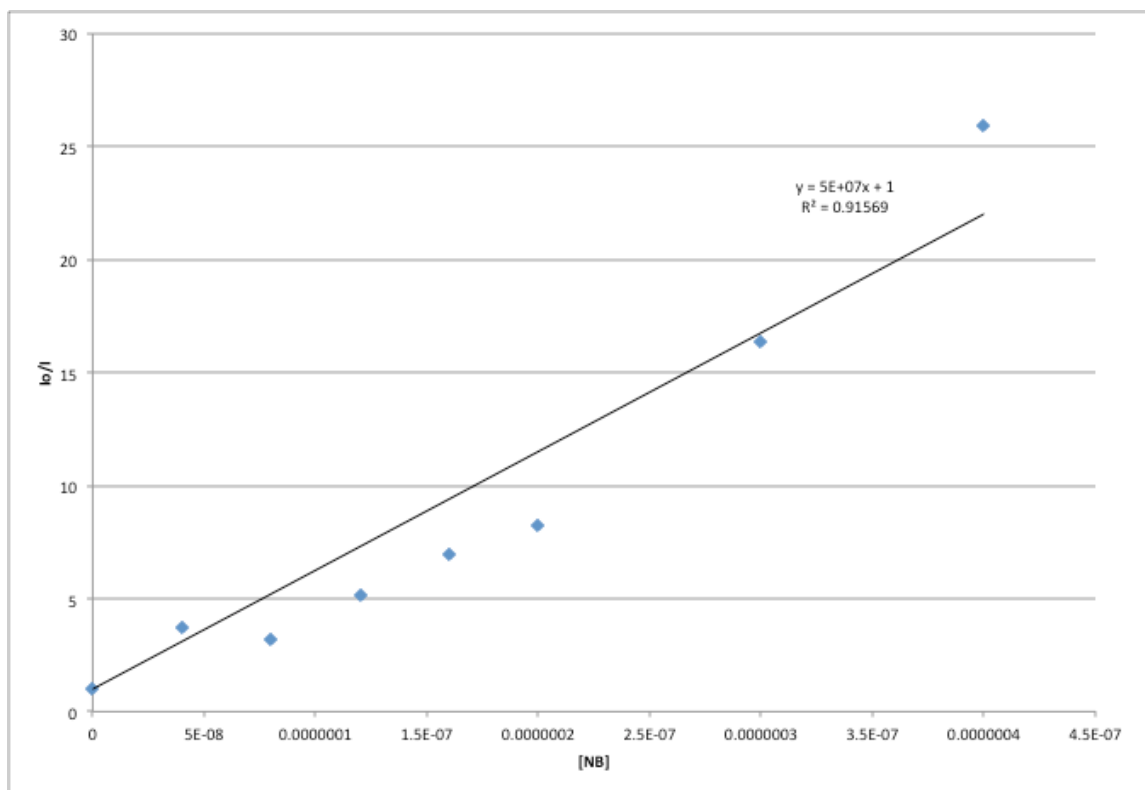


Fig. S13. Stern-Volmer plot for **3** in the presence of $1 \times 10^{-4} M$ NB solution in DMSO.

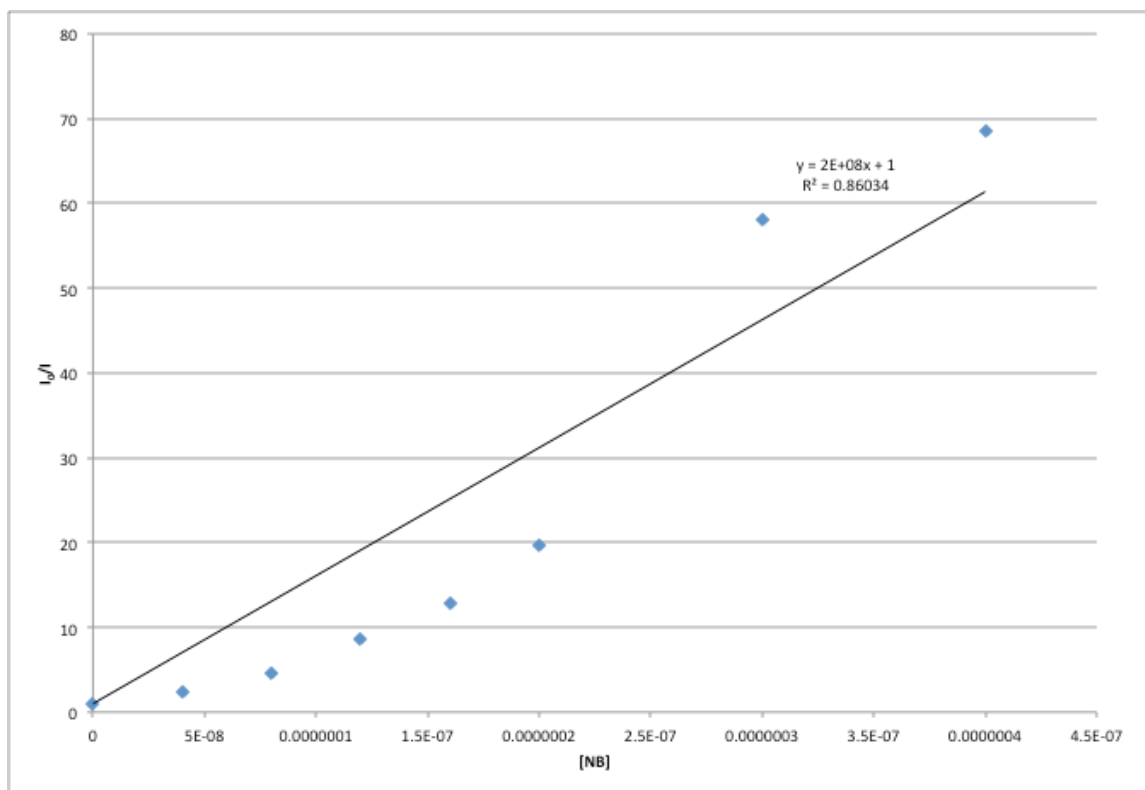


Fig. S14. Stern-Volmer plot for **1** in the presence of $1 \times 10^{-4} M$ NP solution in DMSO.

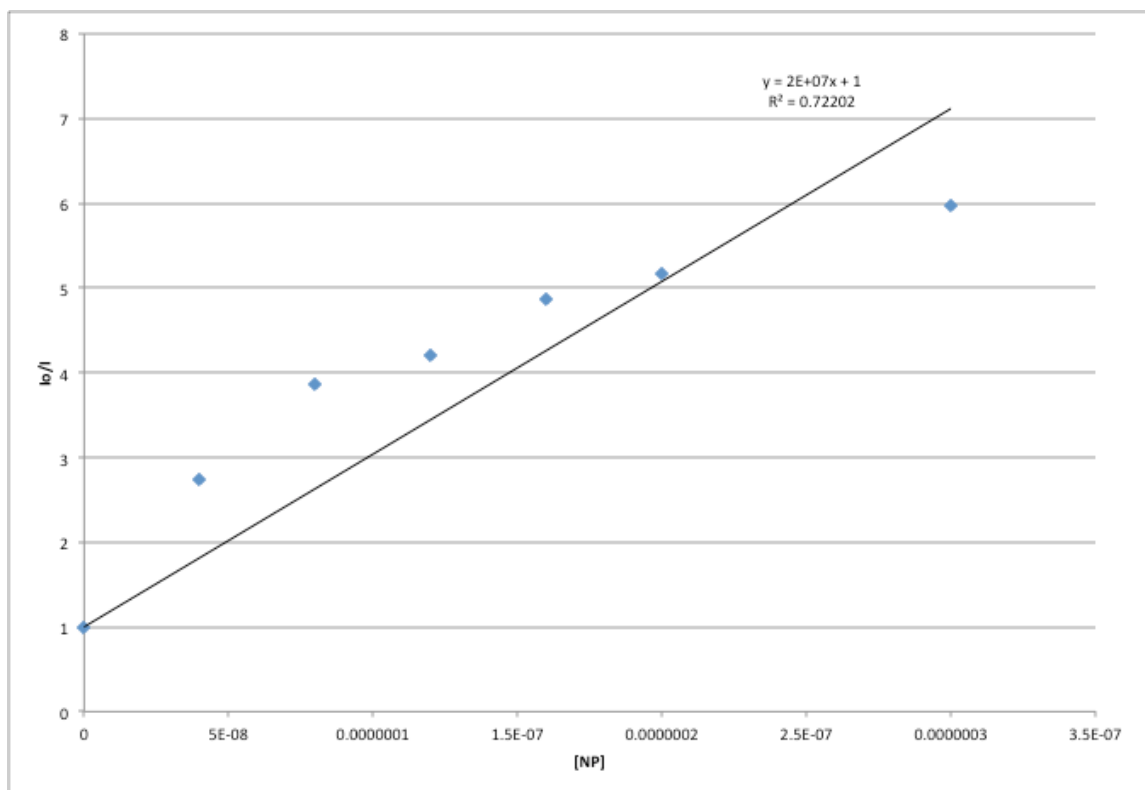


Fig. S15. Stern-Volmer plot for **2** in the presence of $1 \times 10^{-4} M$ NP solution in DMSO.

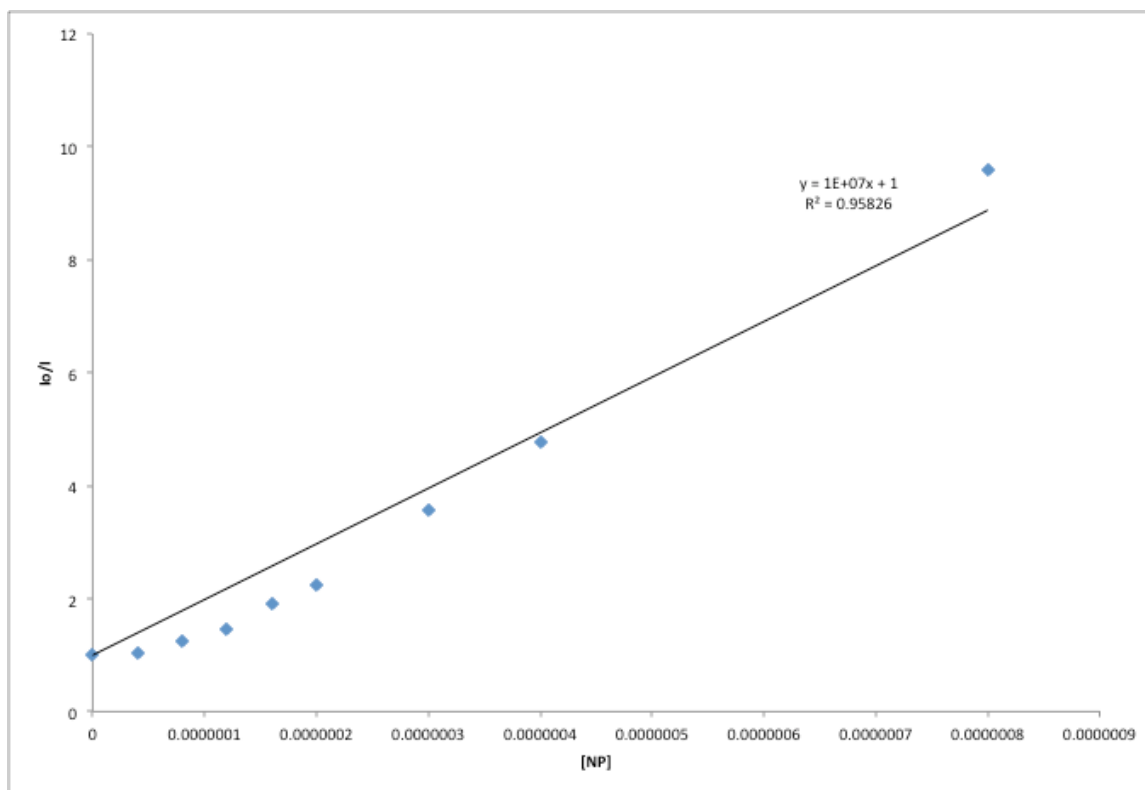


Fig. S16. Stern-Volmer plot for **3** in the presence of 1×10^{-4} M NP solution in DMSO.

