

Supporting Information

An efficient and sensitive chemosensor based on salicylhydrazide for naked-eye and fluorescent detection of Zn²⁺

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Contents

Fig. S1. ¹H NMR spectra of **10** in DMSO-*d*₆.

Fig. S2. ¹³C NMR spectra of **10** in DMSO-*d*₆.

Fig. S3. IR spectra of **10**.

Fig. S4. Mass spectrum of **10**.

Fig. S5. Changes in fluorescence intensity of **10** upon irradiation with UV/Vis light.

Fig. S6. The emission intensity curve at 510 nm with the addition of different equiv. Zn²⁺.

Fig. S7. Mass spectrum of **10'**.

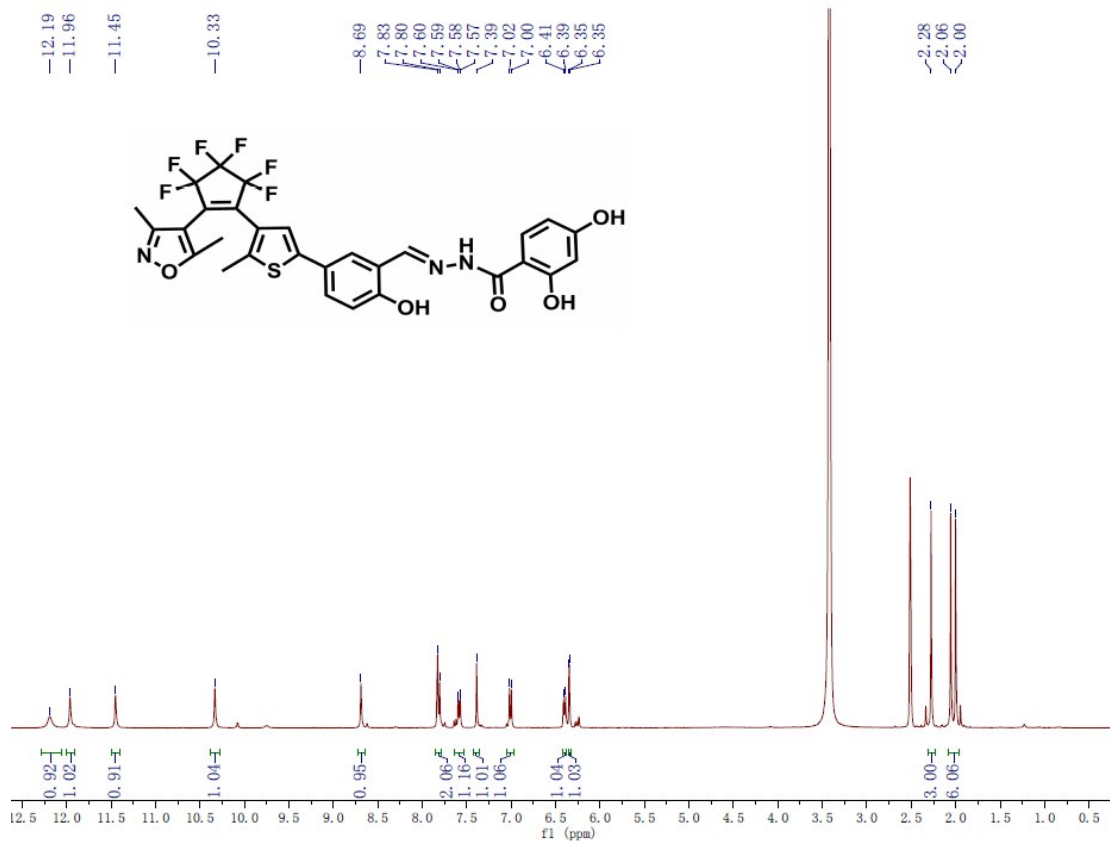


Fig. S1. ^1H NMR spectra of **10** in $\text{DMSO-}d_6$.

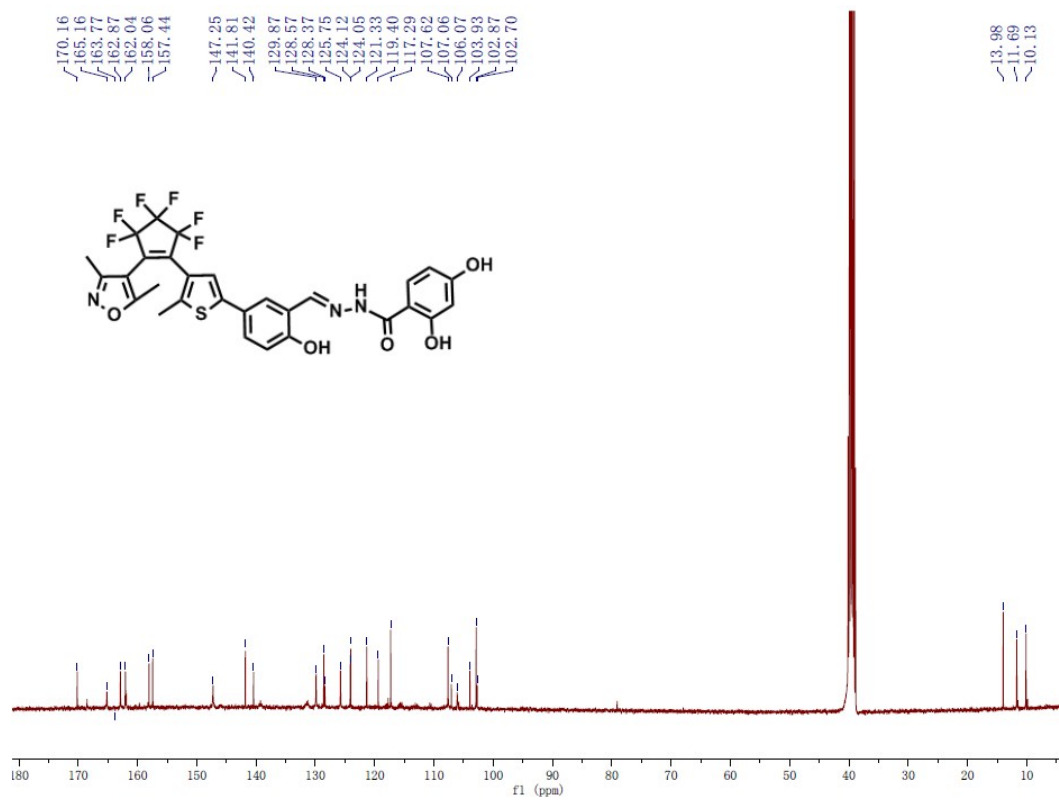


Fig. S2. ^{13}C NMR spectra of **10** in $\text{DMSO-}d_6$.

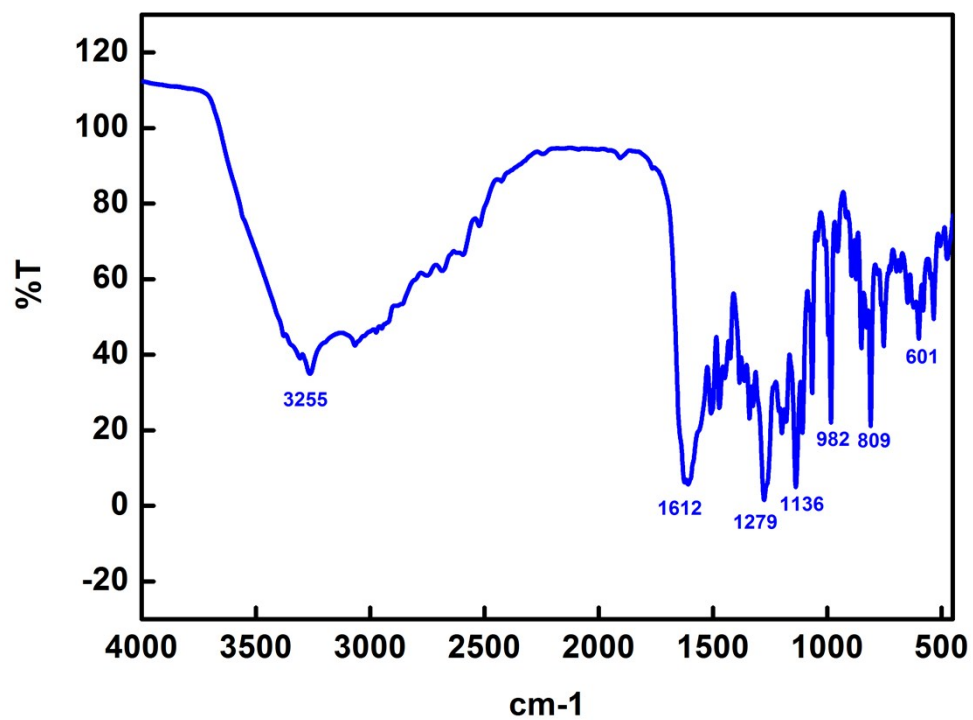


Fig. S3. IR spectra of 10.

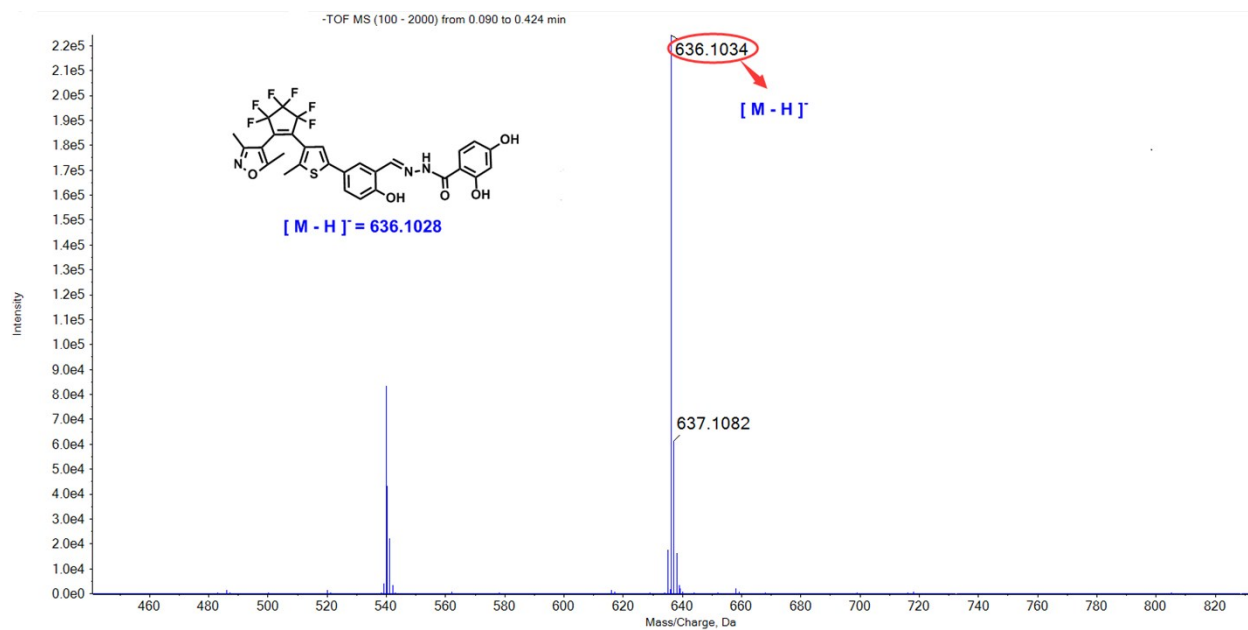


Fig. S4. Mass spectrum of **10**.

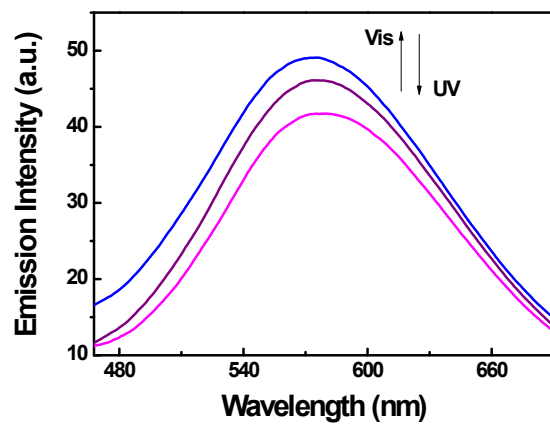


Fig. S5. Changes in fluorescence intensity of **10** upon irradiation with UV/Vis light.

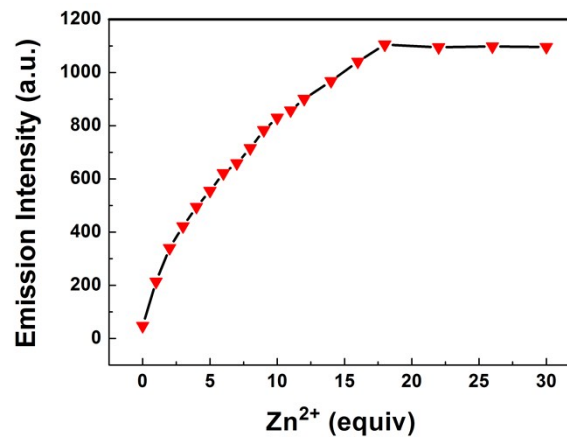


Fig. S6. The emission intensity curve at 510 nm with the addition of different equiv. Zn²⁺.

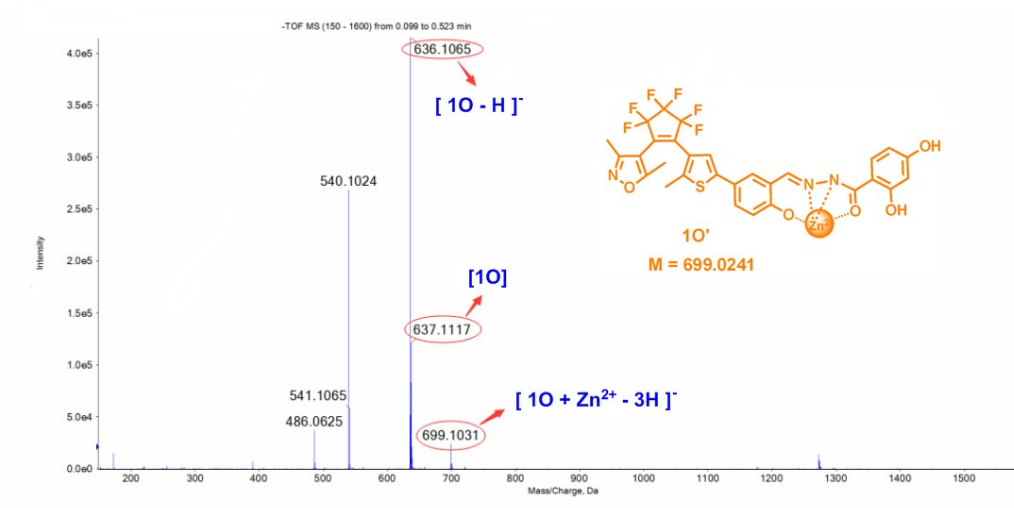


Fig. S7. Mass spectrum of **10'**.