
A Highly Selective Fluorescent Sensor for Fluoride through ESPT Signaling Transduction

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1. Color changes seen for compound H-NP2 upon the addition of anions.

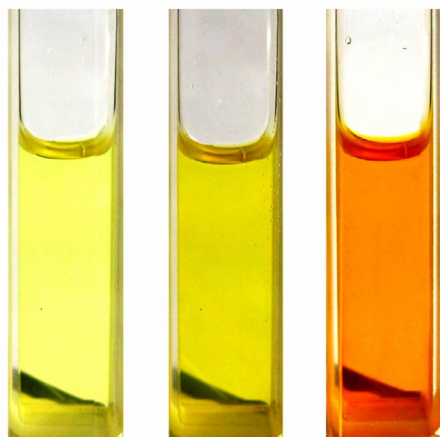


Figure S1. Color changes seen for DMSO solutions of compound H-NP2 upon the addition of anions as TBA salts: left, free; middle, with 1 eq F^- ; right, with 1 eq H_2PO_4^- .

2. ^1H NMR titrations of H-NP4 in $\text{DMSO-}d_6$ (5×10^{-3} M) with F^- .

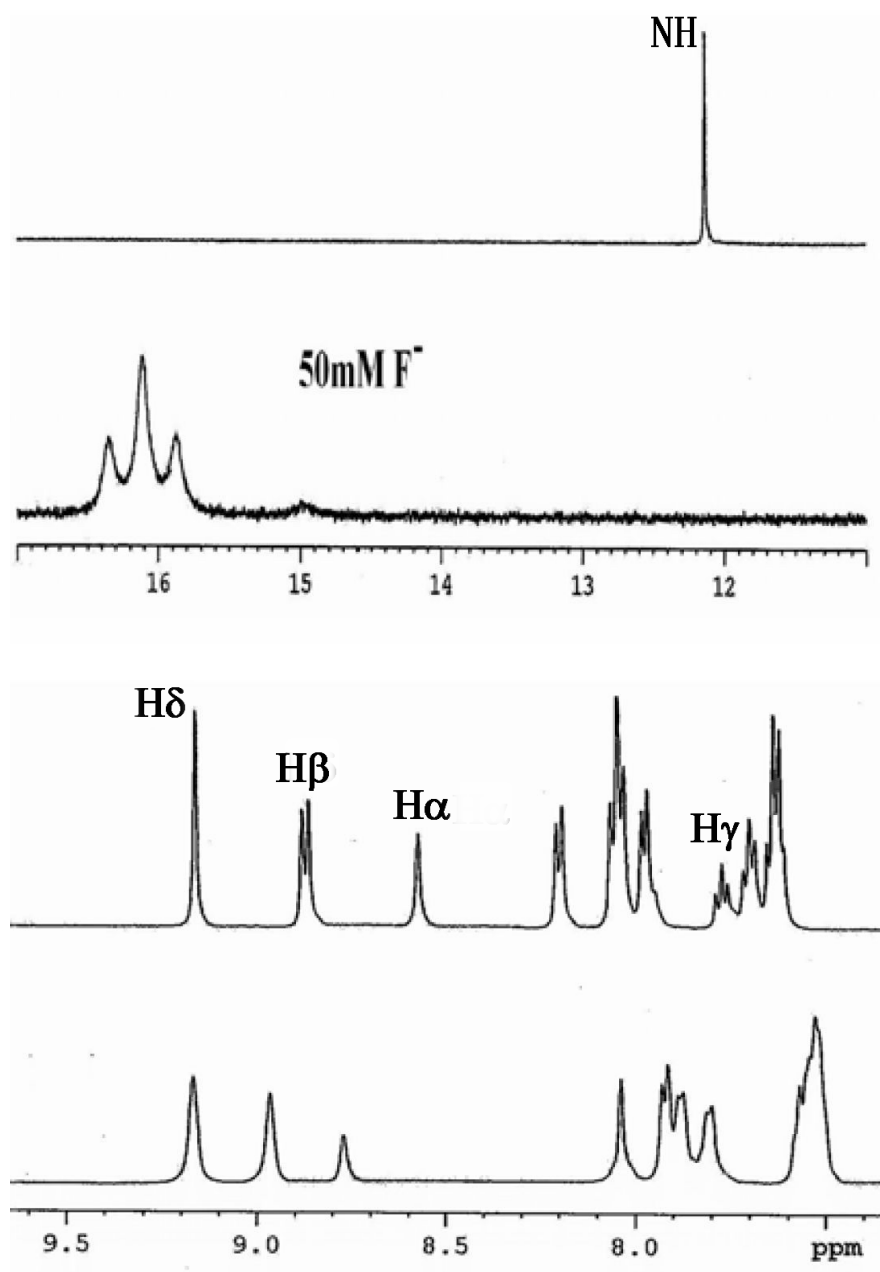


Figure S2. ^1H NMR titration H-NP4 in $\text{DMSO-}d_6$ (5×10^{-3} M) with F^- .

3. UV-vis spectra of H-NP3 in DMSO (5×10^{-5} M) upon addition of F^- .

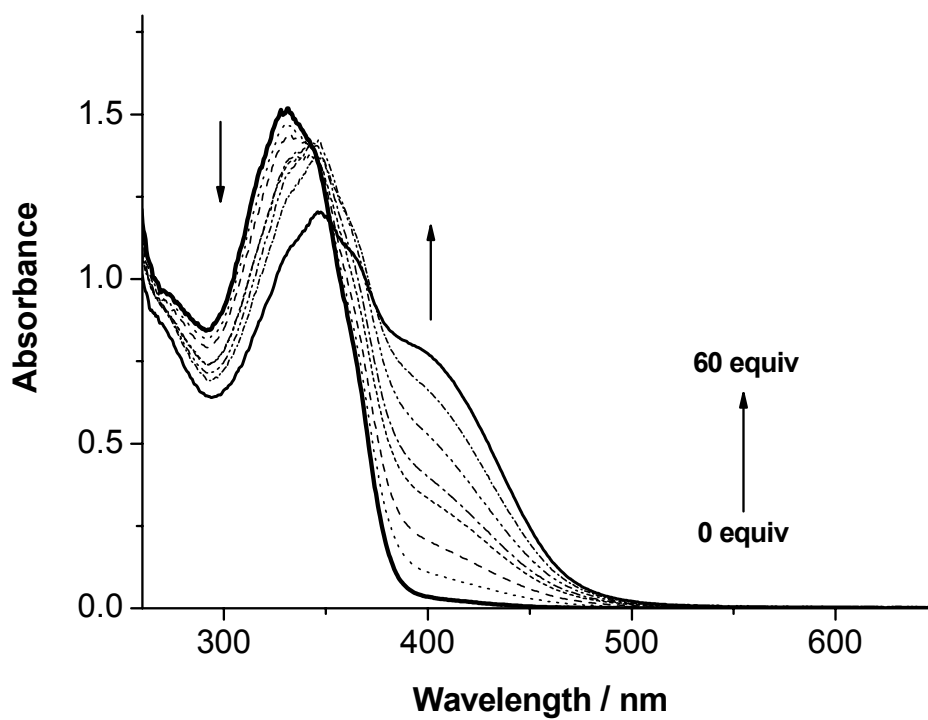


Figure S3. UV-vis spectra of H-NP3 in DMSO (5×10^{-5} M) upon addition of F^- .

4. Emission spectra changes of H-NP4 (5×10^{-5} M) upon addition of F^- .

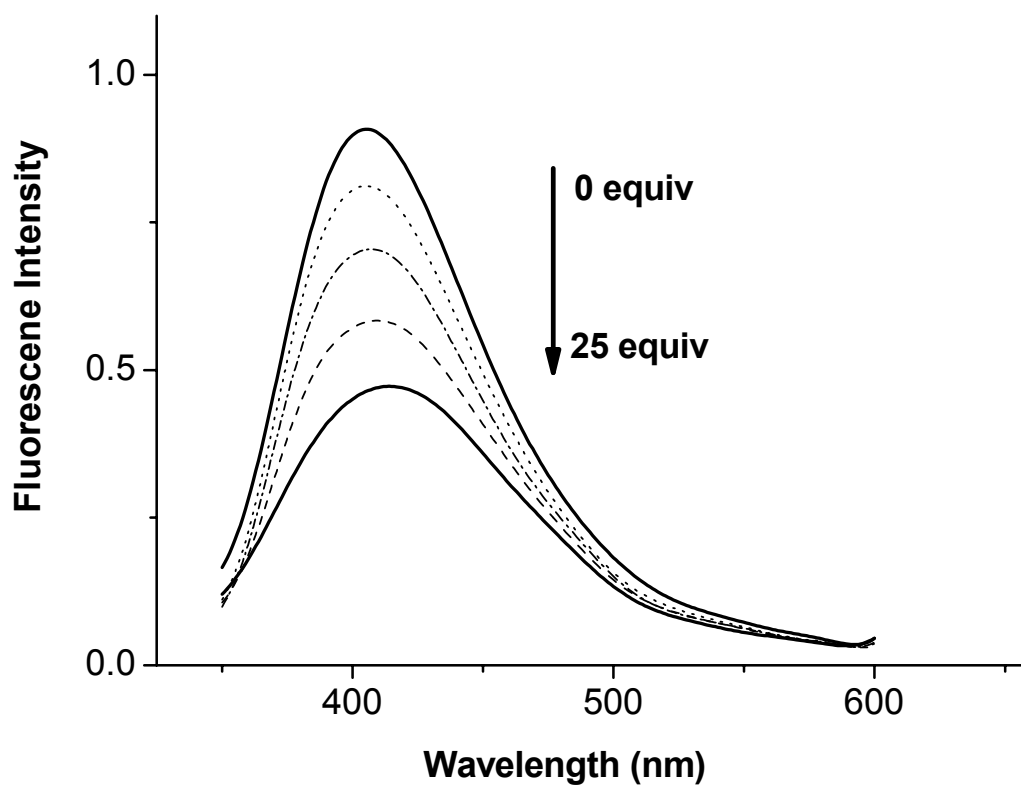


Figure S4. Emission spectra changes of H-NP4 (5×10^{-5} M) upon addition of F^- in DMSO, excited at 362nm.