

Supporting Materials

Dansyl-based fluorescent chemosensors for selective responses of Cr(III)

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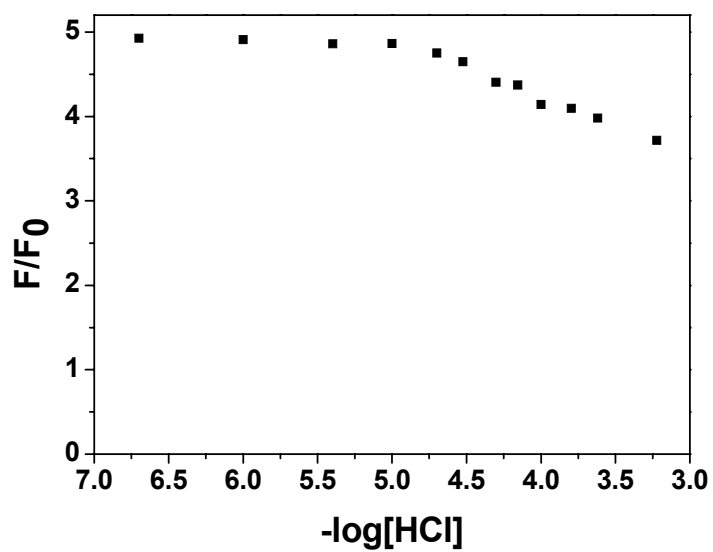


Figure S1 The fluorescence intensity of the **DN1** (20 μM) in the presence of Cr^{3+} (100 μM), upon the addition of HCl. The emission intensities were integrated at 545 nm (excitation at 350 nm)

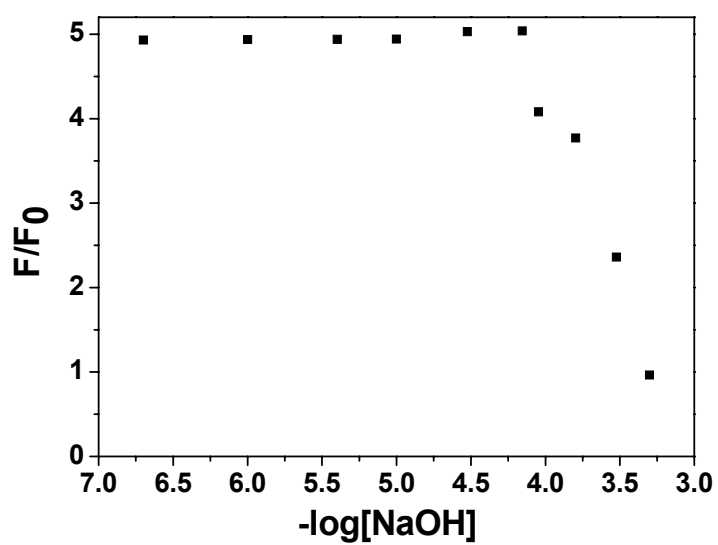


Figure S2 The fluorescence intensity of the **DN1** (20 μM) in the presence of Cr^{3+} (100 μM), upon the addition of NaOH. The emission intensities were integrated at 545 nm (excitation at 350 nm)

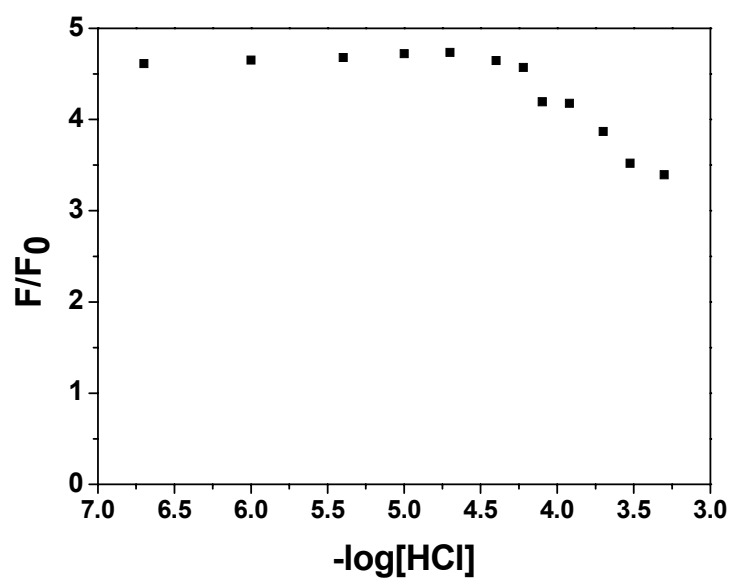


Figure S3 The fluorescence responses of the **DN2** (20 μM) in the presence of Cr^{3+} (100 μM), upon the addition of HCl. The emission intensities were integrated at 540 nm (excitation at 360 nm)

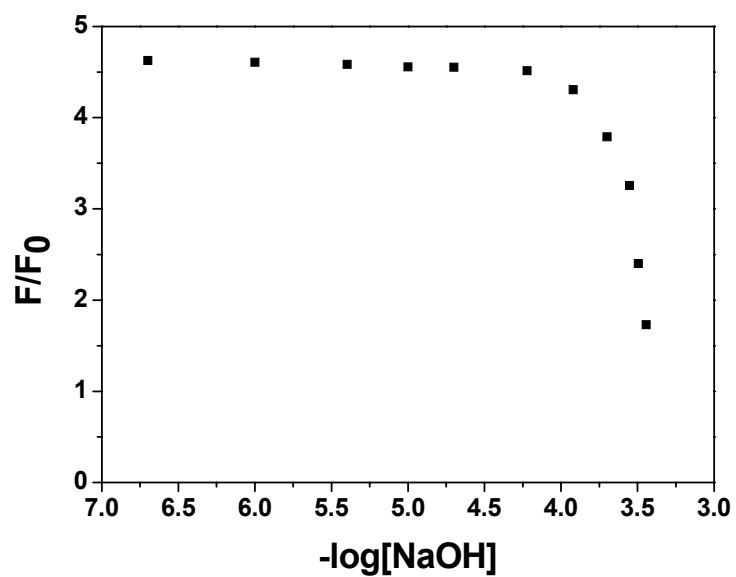


Figure S4 The fluorescence responses of the **DN2** (20 μM) in the presence of Cr^{3+} (100 μM), upon the addition of NaOH. The emission intensities were integrated at 540 nm (excitation at 360 nm)

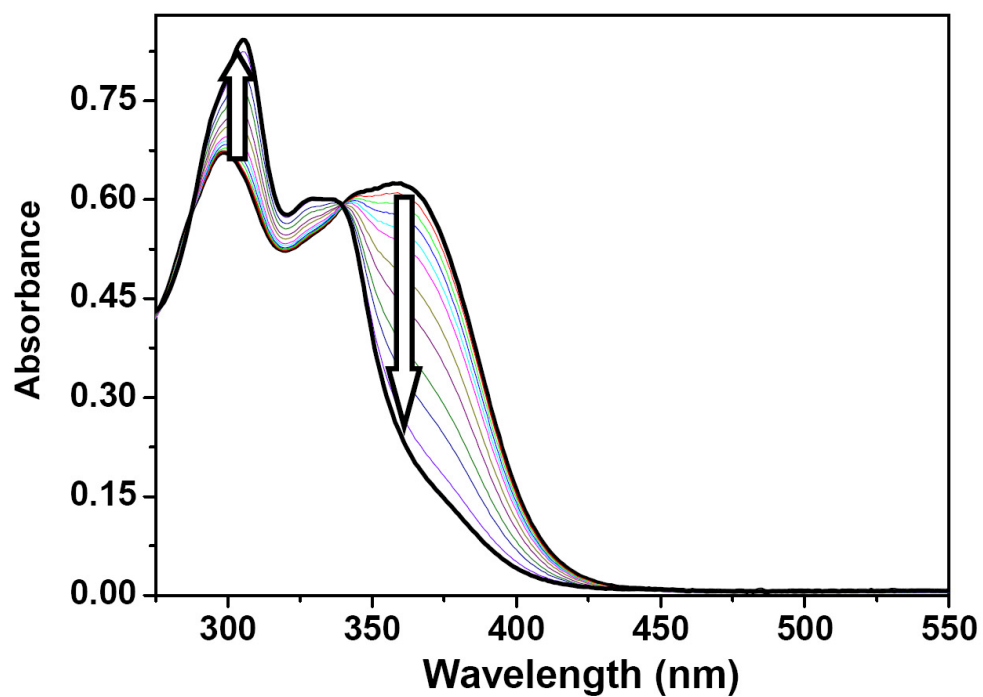


Figure S5 Absorption spectra of **DN2** (20 μM), upon addition of increasing amount of Cr³⁺ (0 to 0.2 mM) in the DMF/H₂O (9:1) solution.

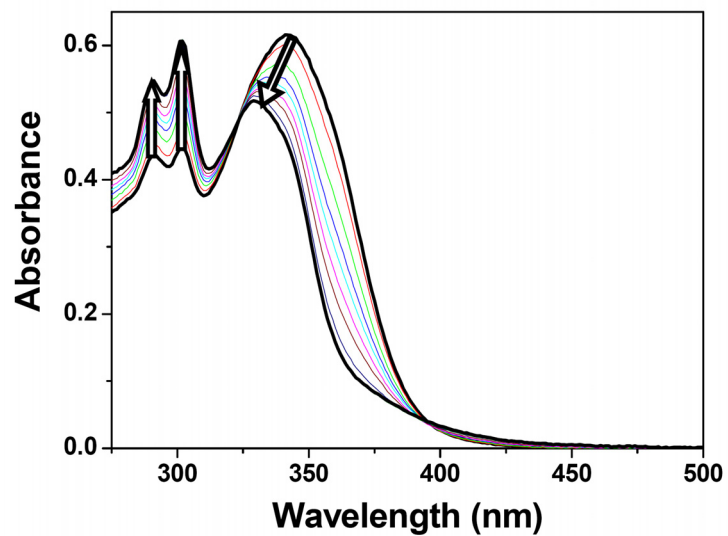


Figure S6 Absorption spectra of DN3 (20 μM), upon addition of increasing amount of Cr³⁺ (0 to 0.2 mM) in the DMF/H₂O (9:1) solution.