

A rhodamine derivative as a highly sensitive chemosensor for Iron(III)

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Supporting Information

¹ H NMR of compound b in DMSO-d ₆	2
¹ H NMR of compound P1 in DMSO-d ₆	3
¹³ C NMR of compound P1 in DMSO-d ₆	4
ESI-MS data (positive mode) of compound b	5
ESI-MS data (positive mode) of compound P1 in the absence of Fe ³⁺	6
ESI-MS data (positive mode) of compound P1 in the presence of Fe ³⁺	7
IR spectra of compound P1 and P1 +Fe ³⁺ in KBr disk	8

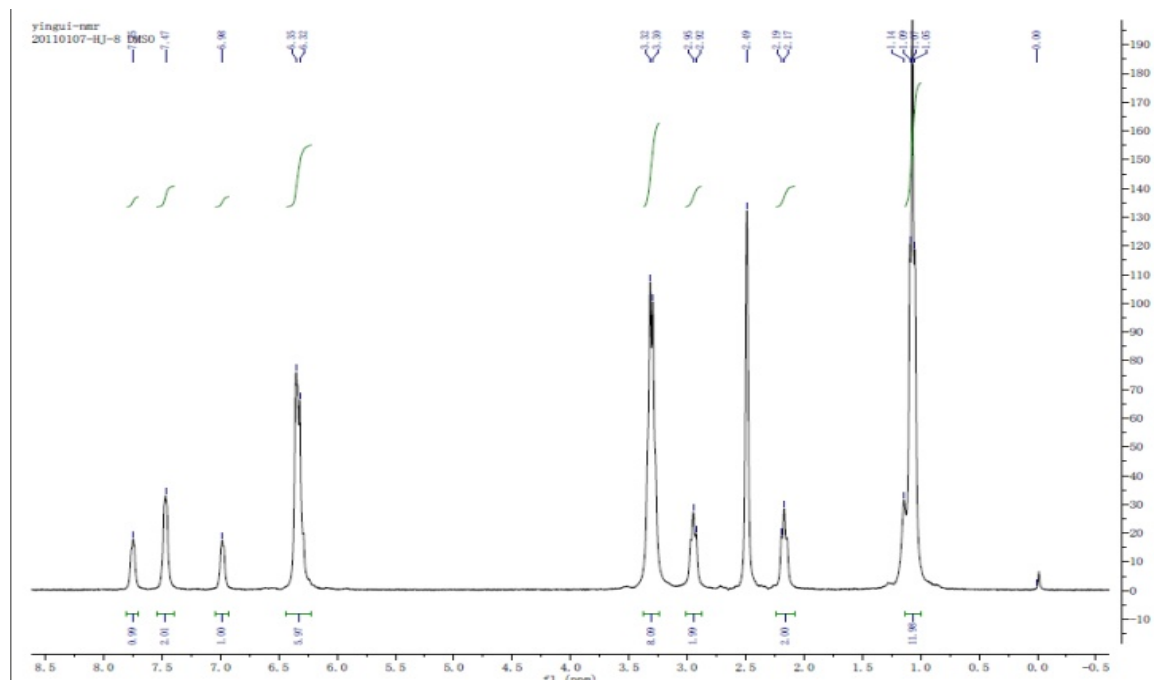


Fig S1. ^1H NMR of compound b in DMSO-d_6 .

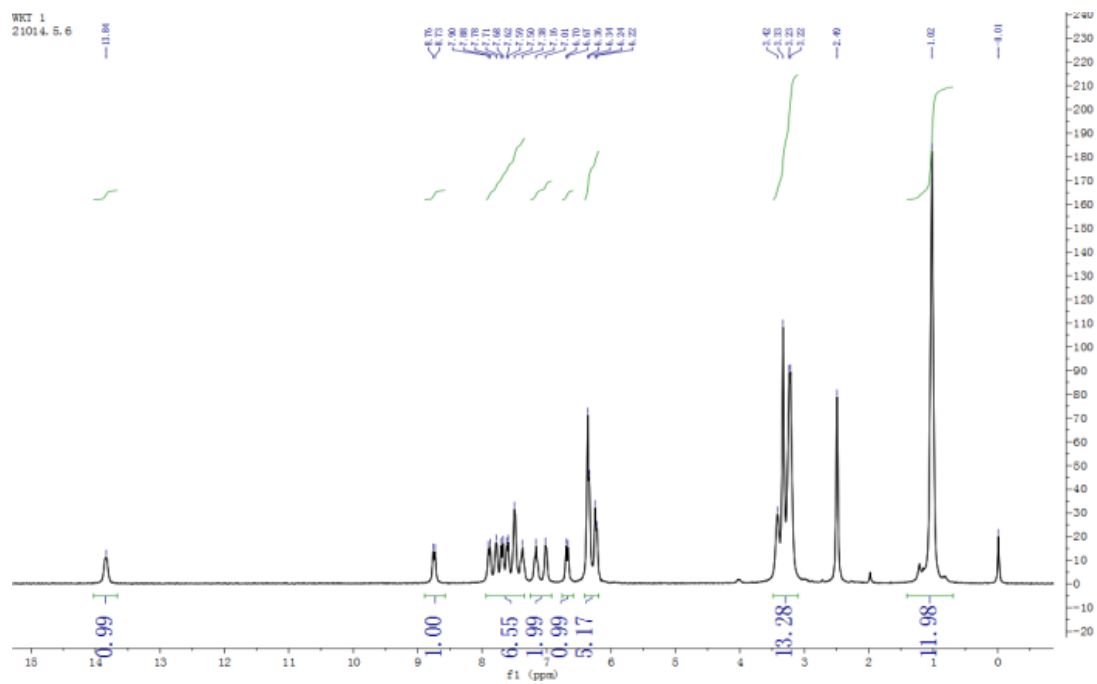
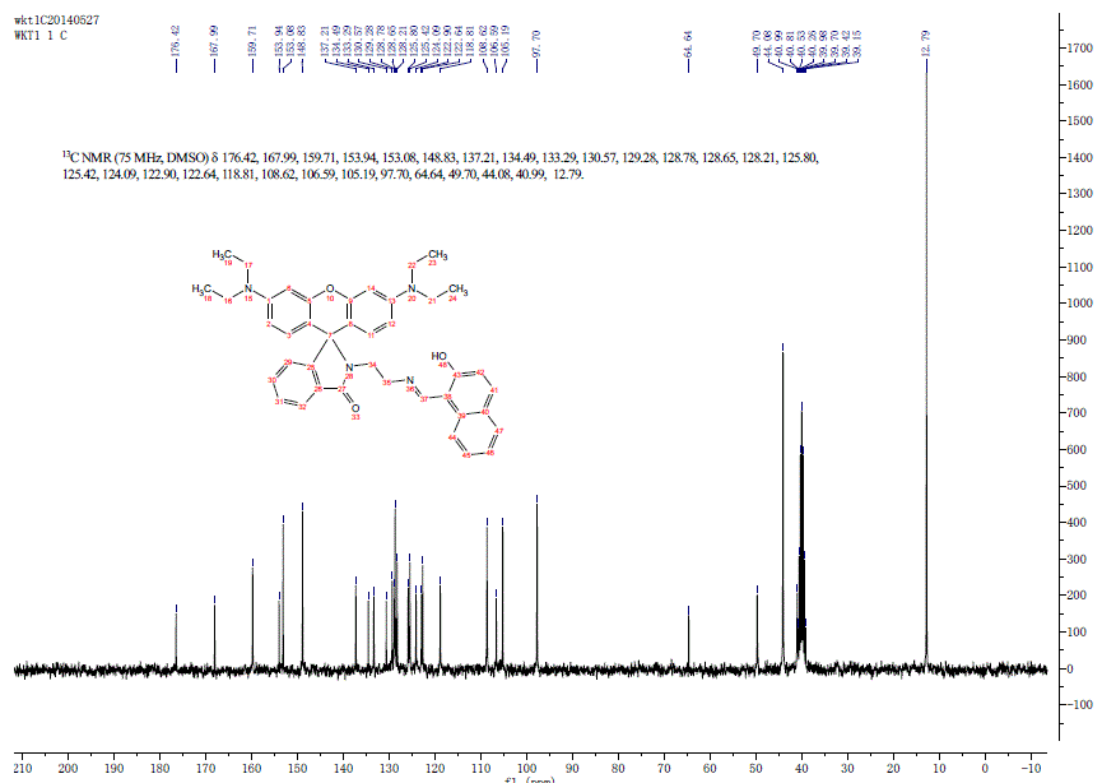


Fig S2. ^1H NMR of compound **P1** in DMSO-d_6 .



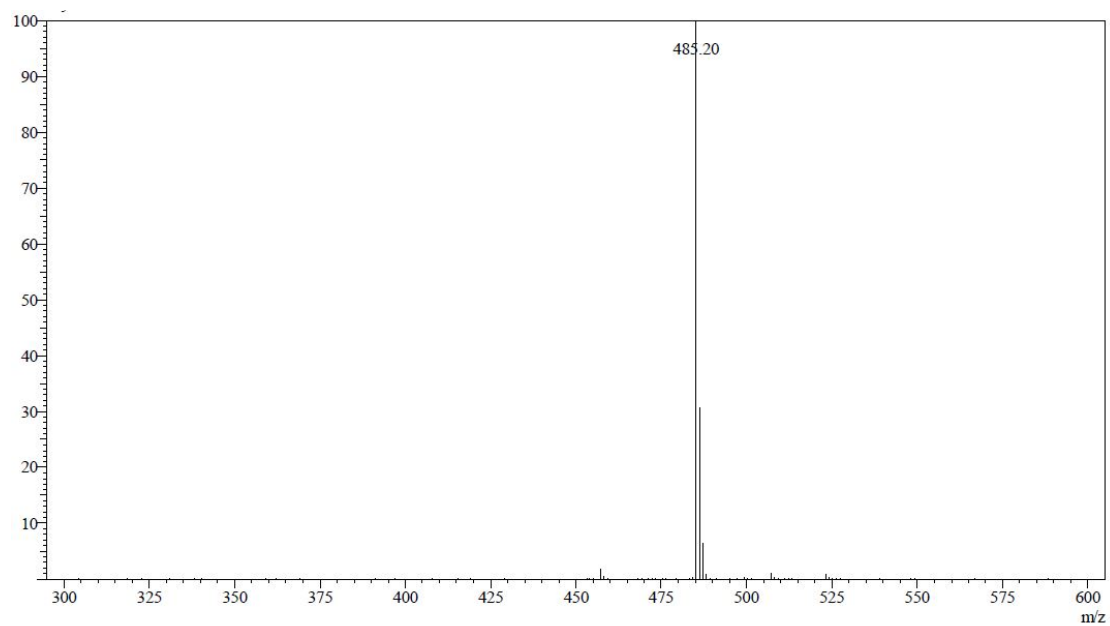


Fig S4. ESI-MS data (positive mode) of compound **b**.

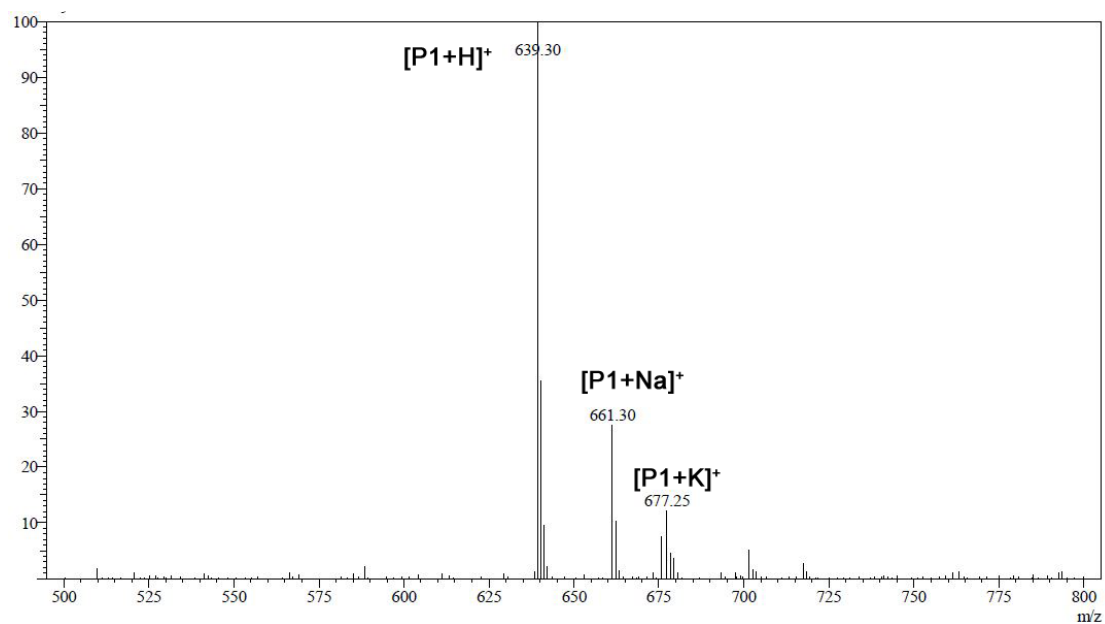


Fig S5. ESI-MS data (positive mode) of compound **P1** in the absence of Fe³⁺.

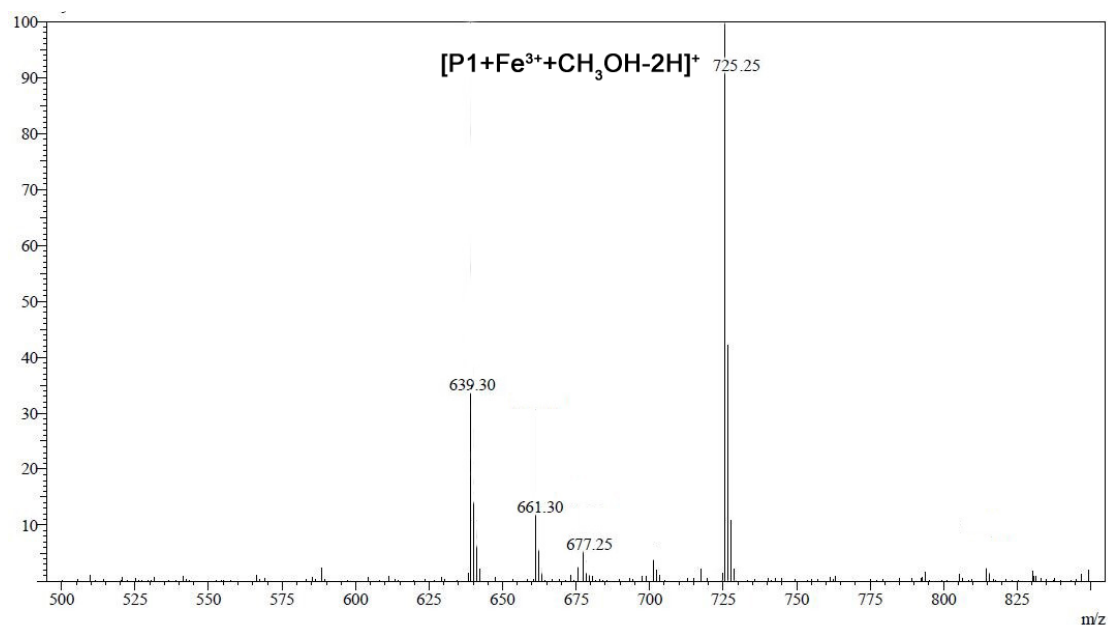


Fig S6. ESI-MS data (positive mode) of compound **P1** in the presence of Fe^{3+} .

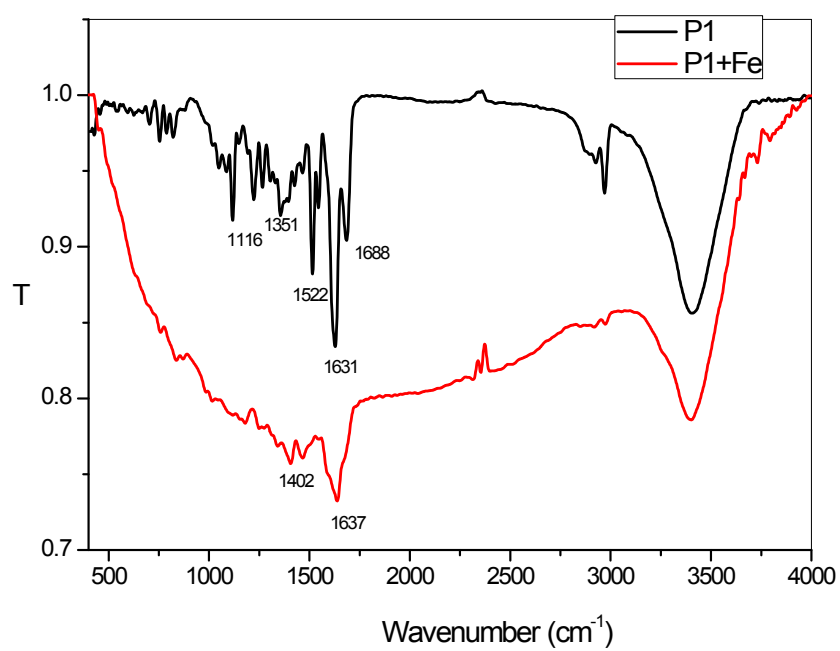


Fig S7. IR spectra of compound **P1** and **P1+Fe³⁺** in KBr disk.