

Supplementary Material

Synthesis and application of a fluorescent “turn-off” triazolyl-coumarin-based fluorescent chemosensor for the sensing of Fe³⁺ ions in aqueous solutions

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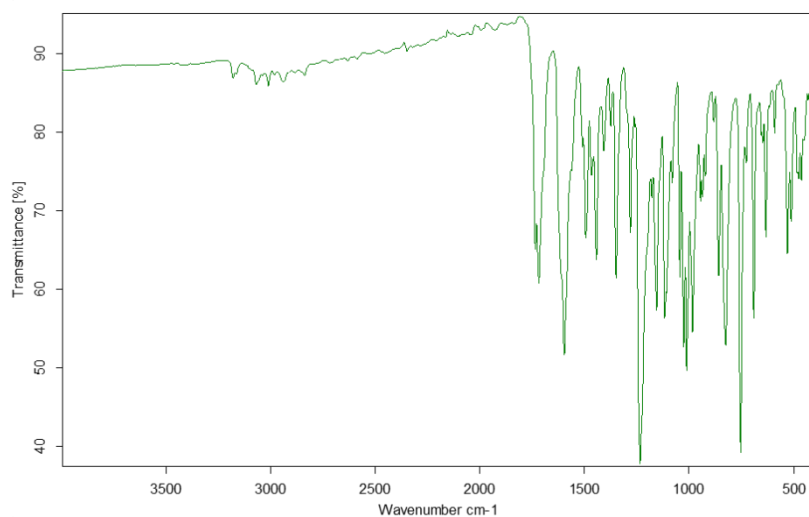


Figure S1: FT-IR spectrum of “click” product **S1**.

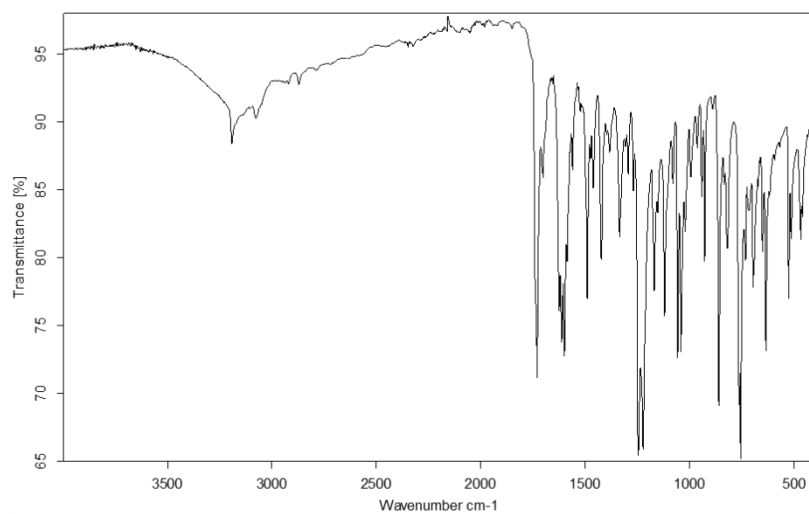


Figure S2: FT-IR spectrum of “click” product **S2**.

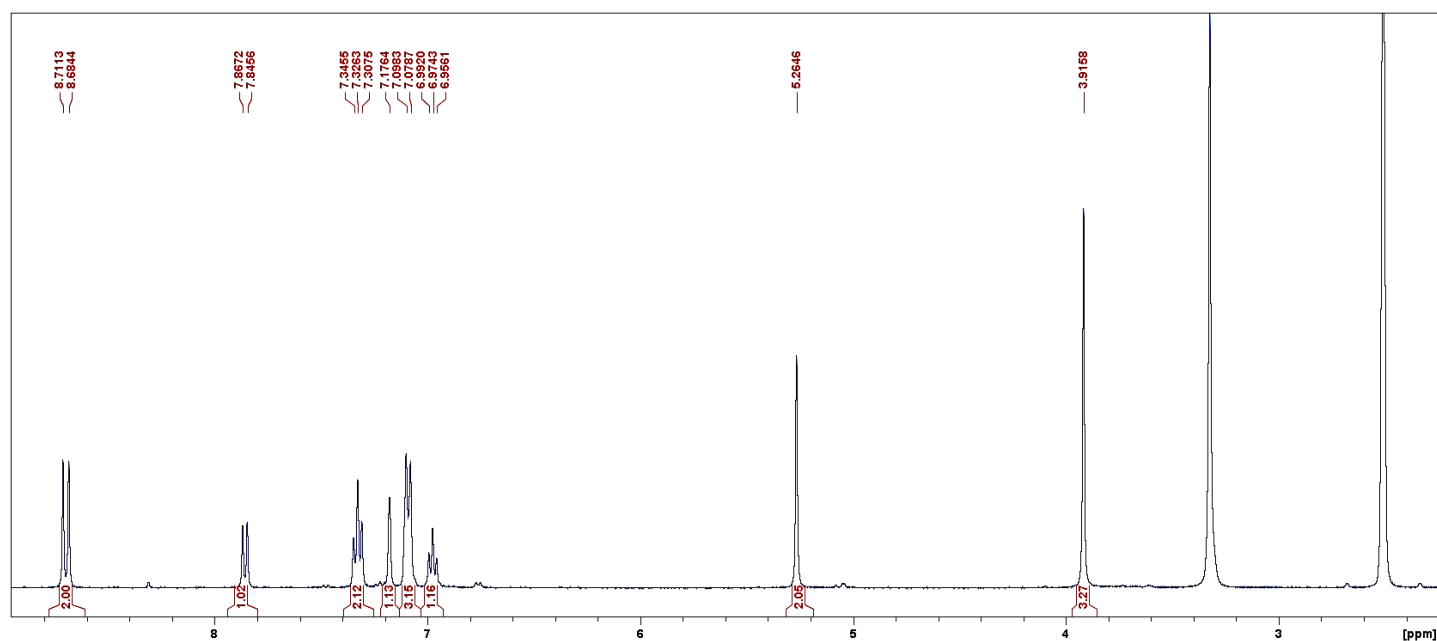


Figure S3: ¹H NMR spectrum of sensor **S1** in DMSO-d₆

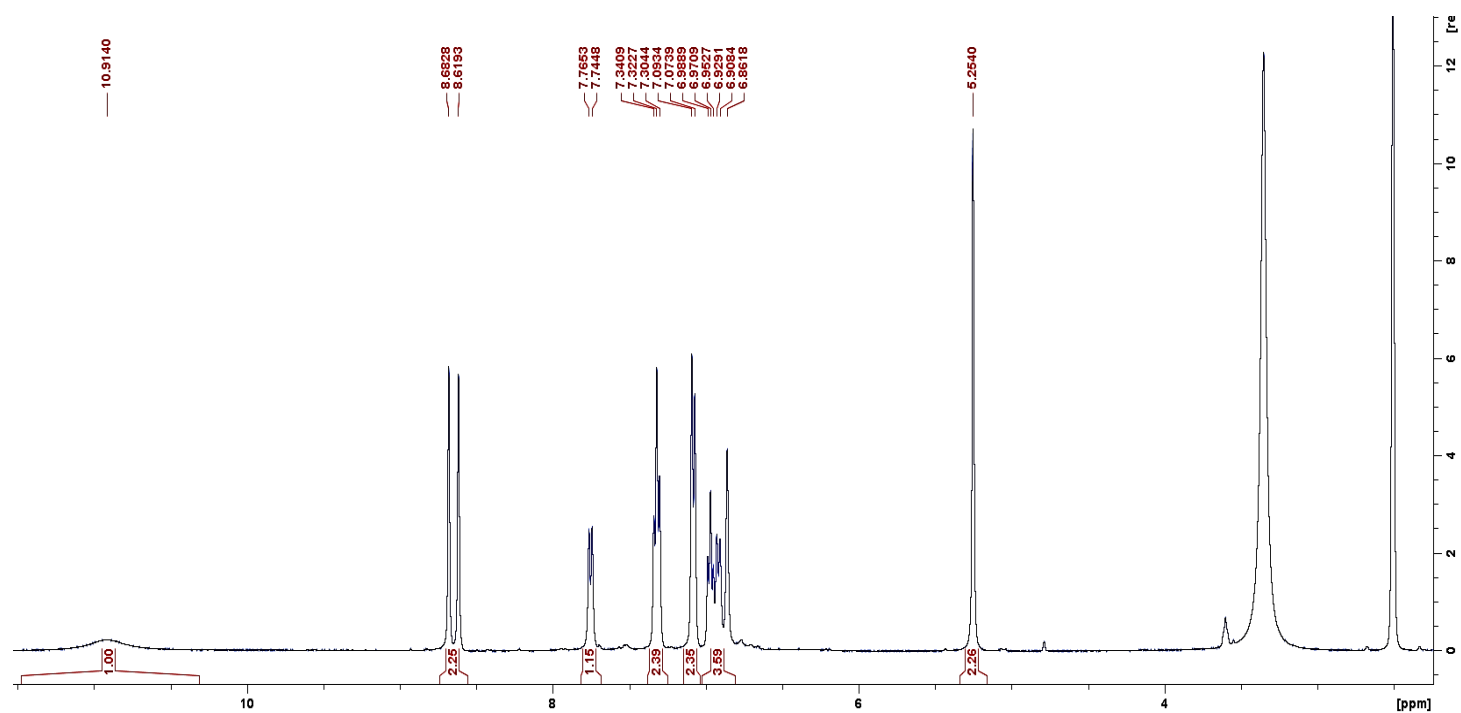


Figure S4: ¹H NMR spectrum of sensor **S2** in DMSO-d₆

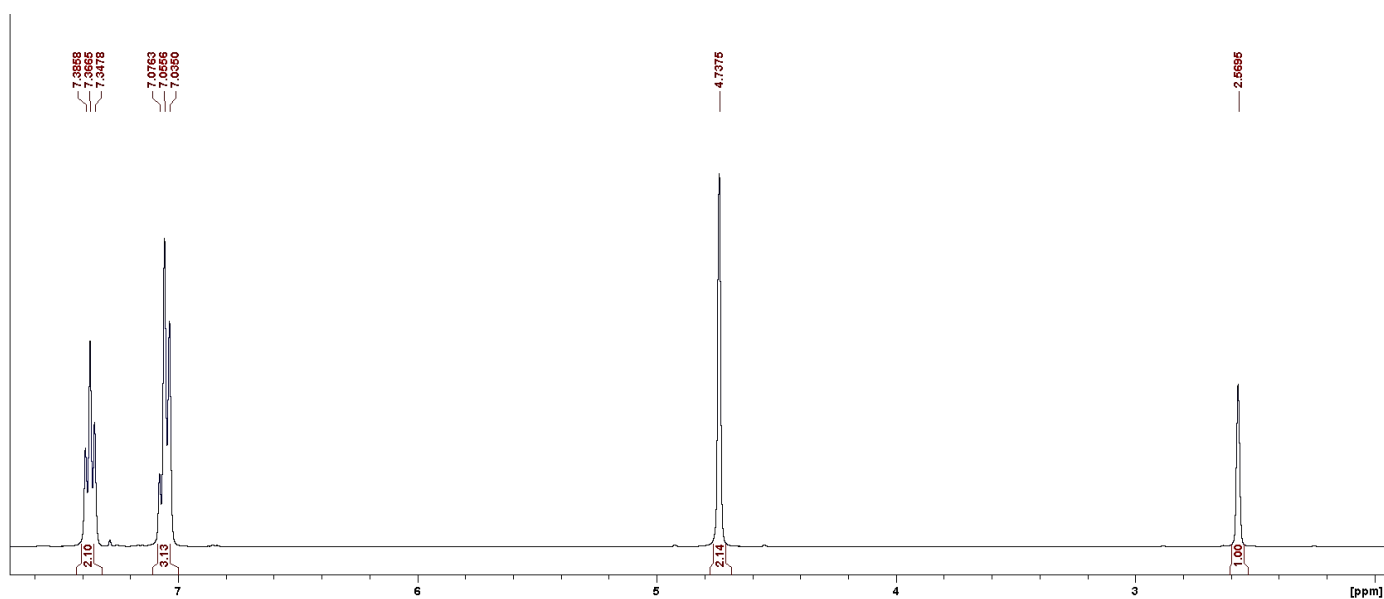


Figure S5: ¹H NMR spectrum of 1-(prop-2-ynyloxy)benzene derivative **2** in CDCl₃.

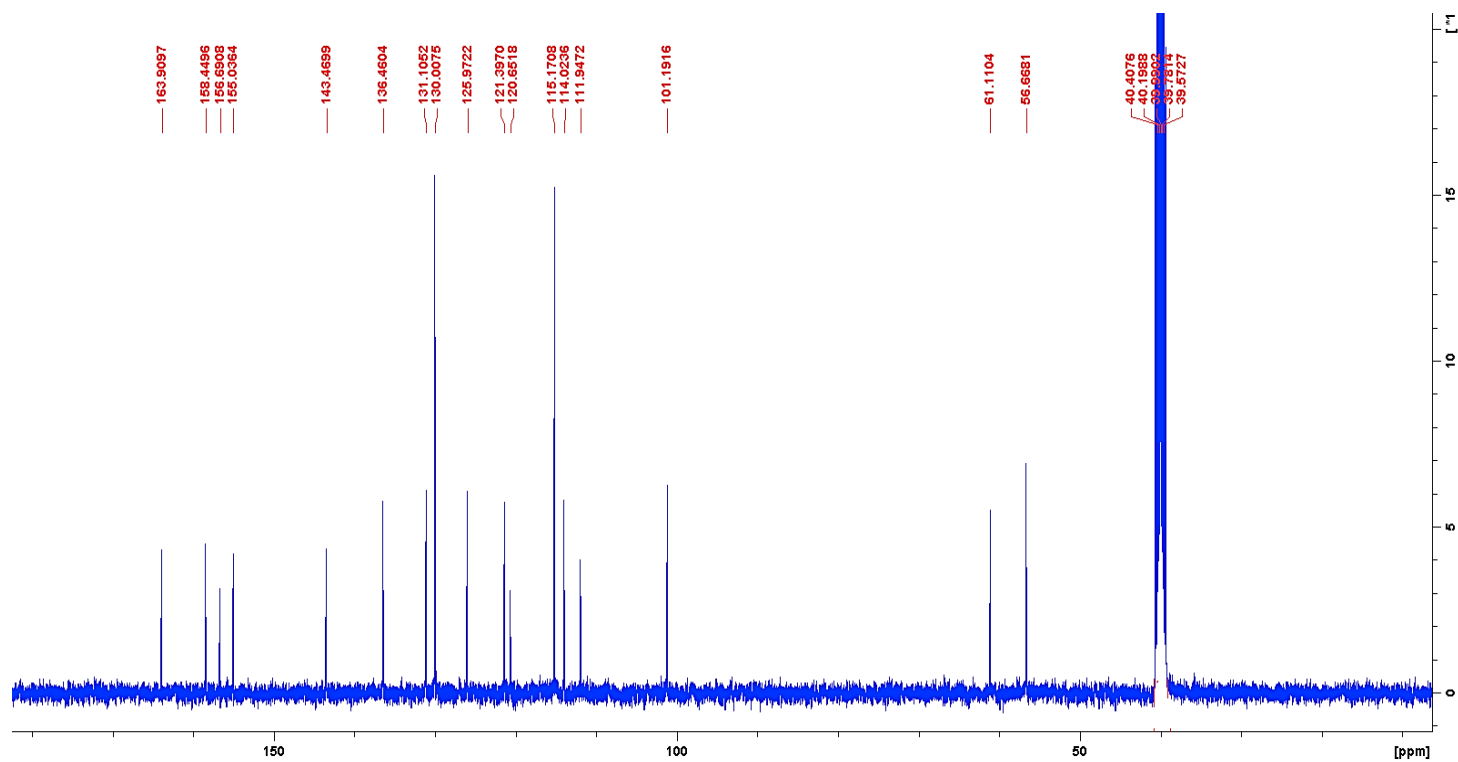


Figure S6: ¹³C NMR spectrum of sensor **S1** in DMSO-d₆.

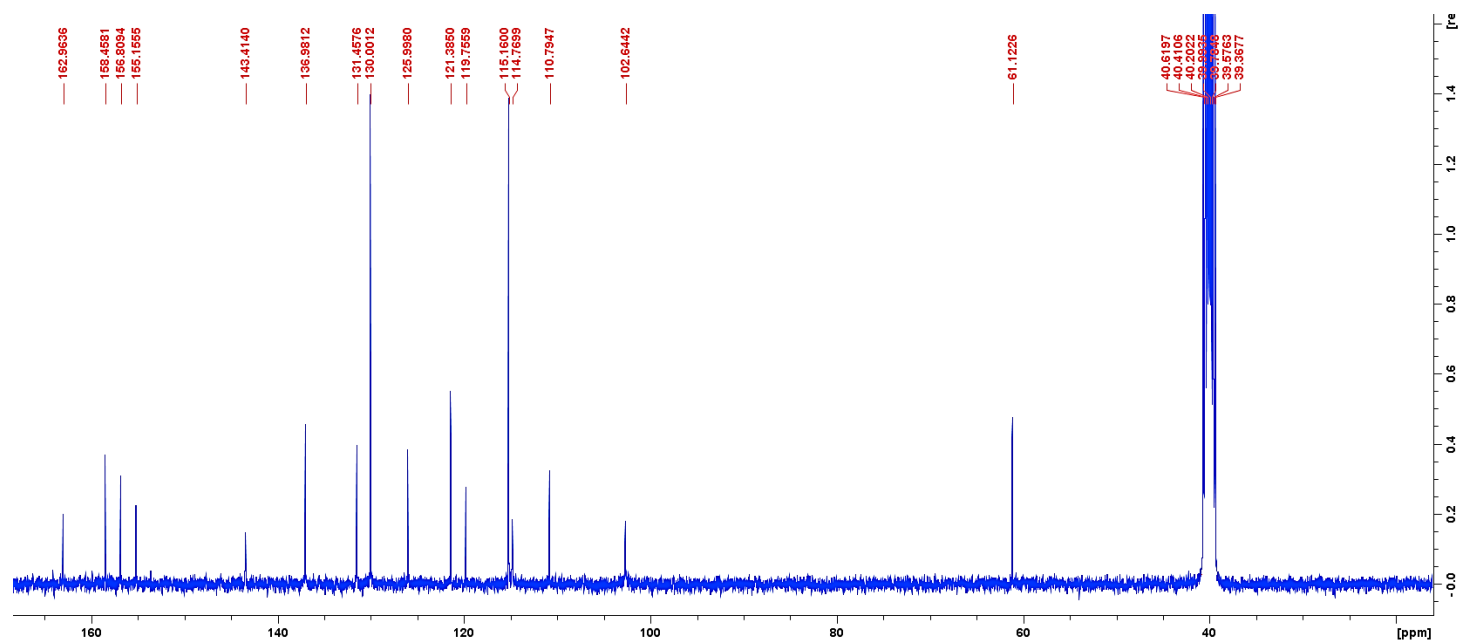


Figure S7: ^{13}C NMR spectrum of sensor **S2** in DMSO-d_6 .

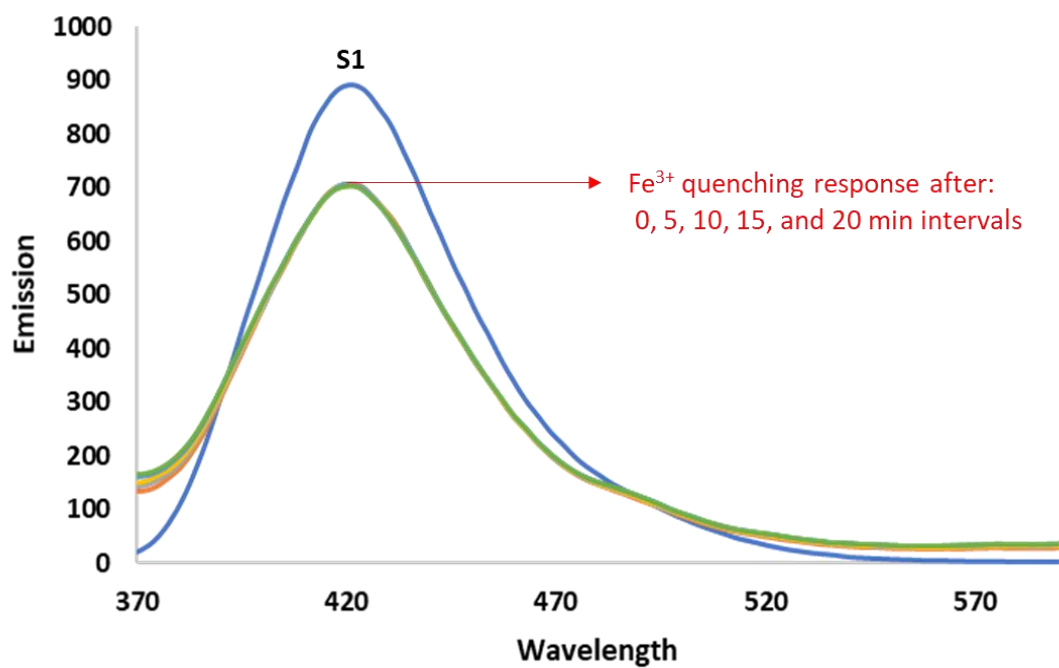


Figure S8: Time-delay studies of **S1** with a single aliquot of Fe^{3+} .

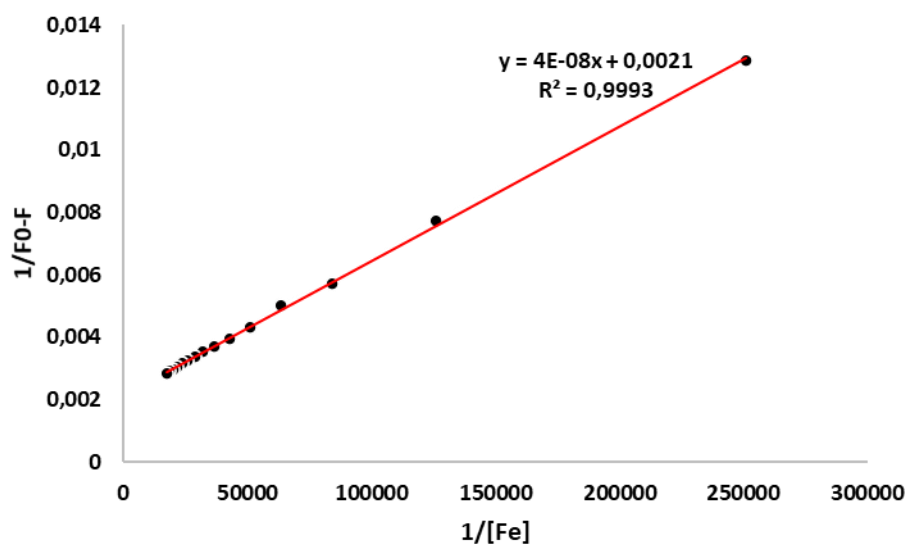


Figure S9: Benesi-Hildebrand plot of **S1** in acetonitrile.