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Chalcone scaffolds as photo functional hybrid material of indolin-2-one functionalized siloxy framework for optical sensing of Cu²⁺

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¹ H NMR, ¹³ CNMR Spectra and MS	S1—S23

B–H plot for 1:1 complexation between **5a** and Cu^{2+} at 315 nm S24



Fig. S1. ¹H NMR Spectra of Compound 4a



Fig. S2. ¹³C NMR Spectra of Compound 4a.



Fig. S3. ¹H NMR Spectra of Compound 4b



Fig. S4. ¹³C NMR Spectra of Compound 4b.



Fig. S5. ¹H NMR Spectra of Compound 4c



Fig. S6. ¹³C NMR Spectra of Compound 4c.



Fig. S7. ¹H NMR Spectra of Compound 4d



Fig. S8. ¹³C NMR Spectra of Compound 4d.



Fig. S9. ¹H NMR Spectra of Compound 4e



Fig. S10. ¹³C NMR Spectra of Compound 4e.



Fig. S11. ¹H NMR Spectra of Compound 5a.



Fig. S12. ¹³C NMR Spectra of Compound 5a.



Fig. S13. ¹H NMR Spectra of Compound 5b.



Fig. S14. ¹³C NMR Spectra of Compound 5b.



Fig. S15. ¹H NMR Spectra of Compound 5c.



Fig. S16. ¹³C NMR Spectra of Compound 5c.



Fig. S17. ¹H NMR Spectra of Compound 5d.



Fig. S18. ¹³C NMR Spectra of Compound 5d.



Fig. S19. ¹H NMR Spectra of Compound 5e.



Fig. S20. ¹³C NMR Spectra of Compound 5e.



Fig. S21. MS of Compound 5c.



Fig. S22. MS of Compound 5d.



Fig. S23. MS of Compound 5e.



Fig. S24. B–H plot for 1:1 complexation between 5a and Cu²⁺ at 315 nm