

Synthesis, *in vitro* Antitrichomonal Activity, and Docking Study of *N*-[(4-substituted phenyl)-1,3-thiazol-2-yl]-4-substituted Benzenesulfonamides

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Supplementary Information

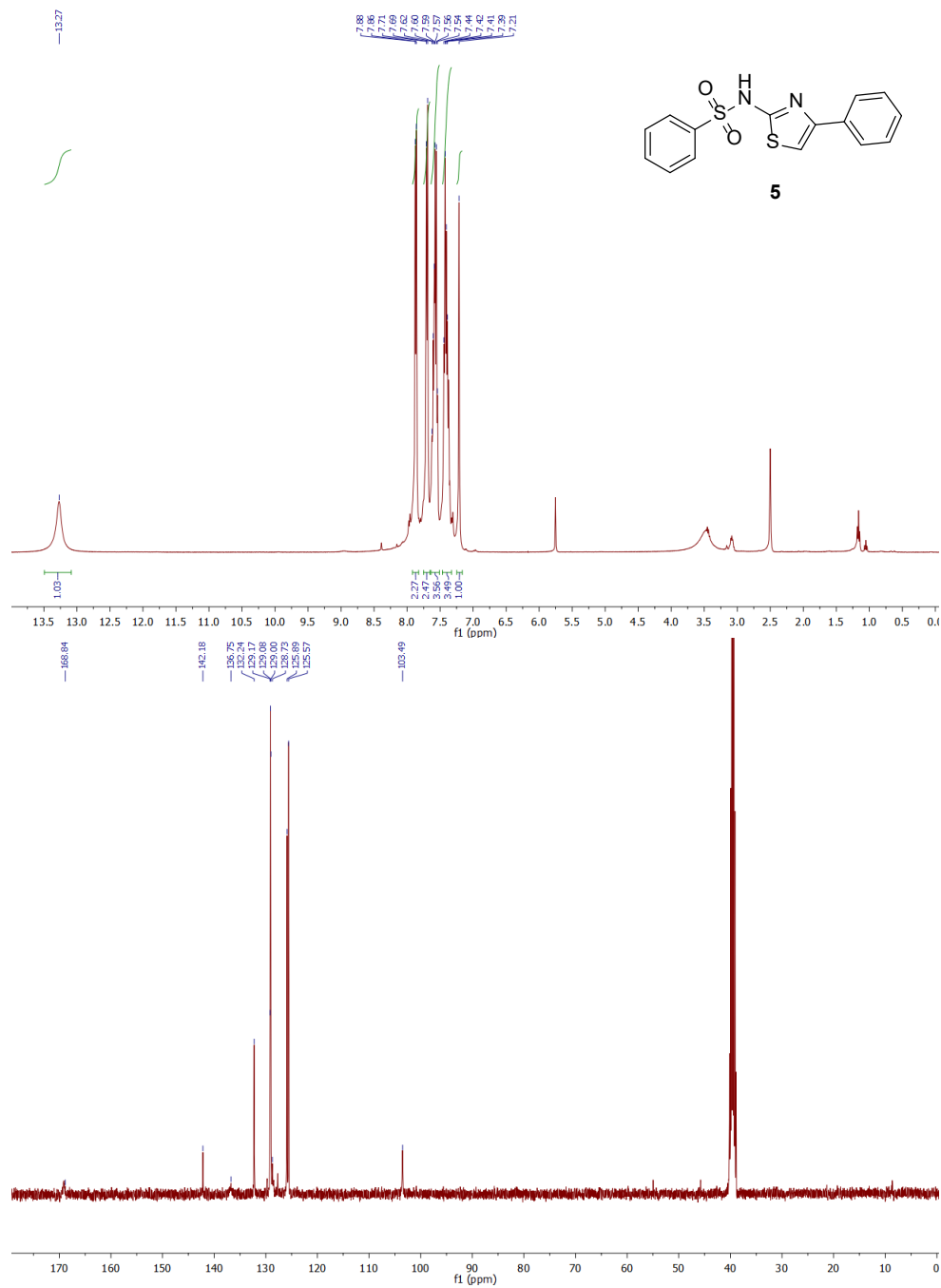


Fig. S1. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **5**.

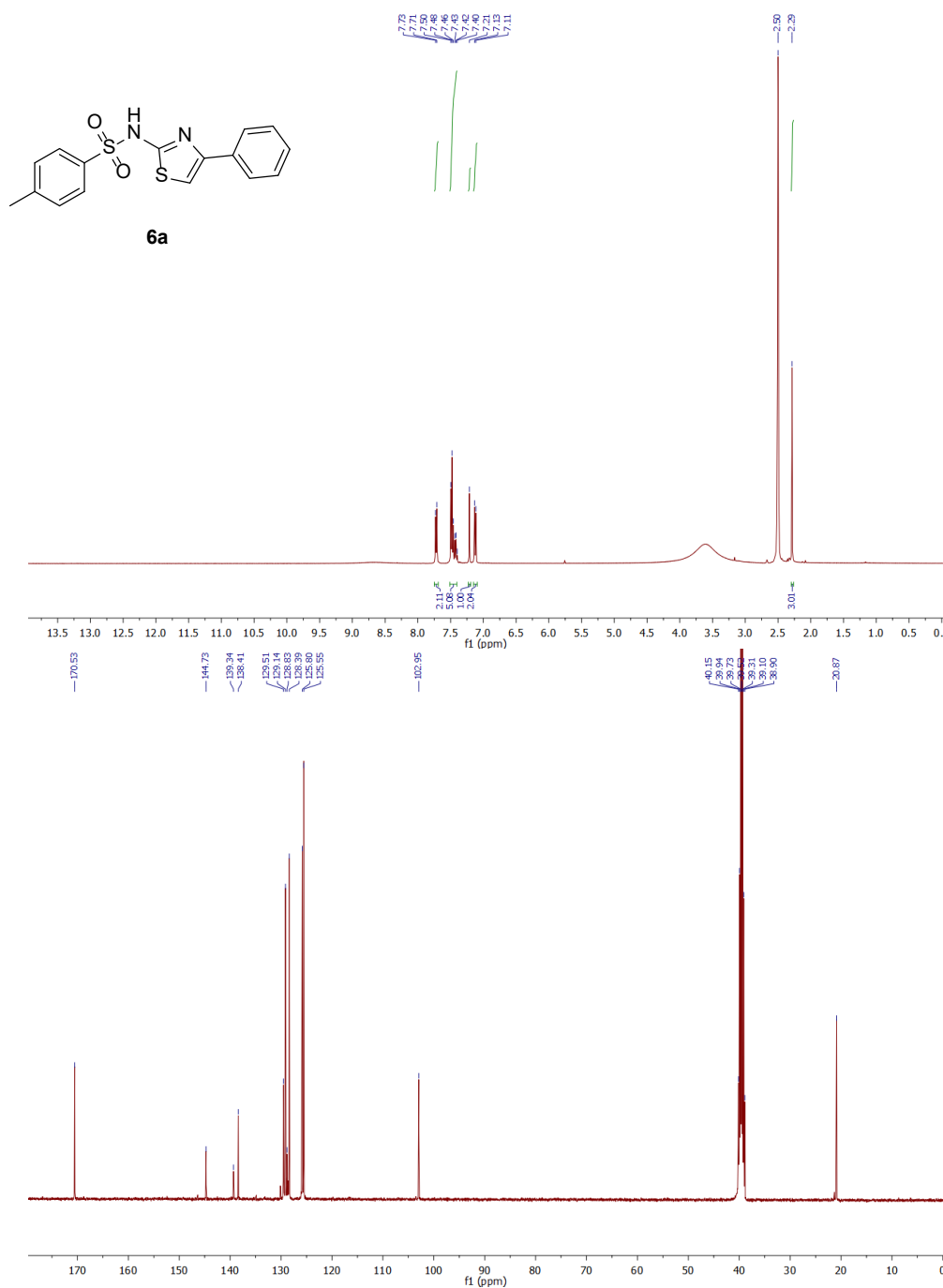


Fig. S2. ^1H NMR (400 MHz, DMSO- d_6) and ^{13}C NMR (100 MHz, DMSO- d_6) spectra for **6a**.

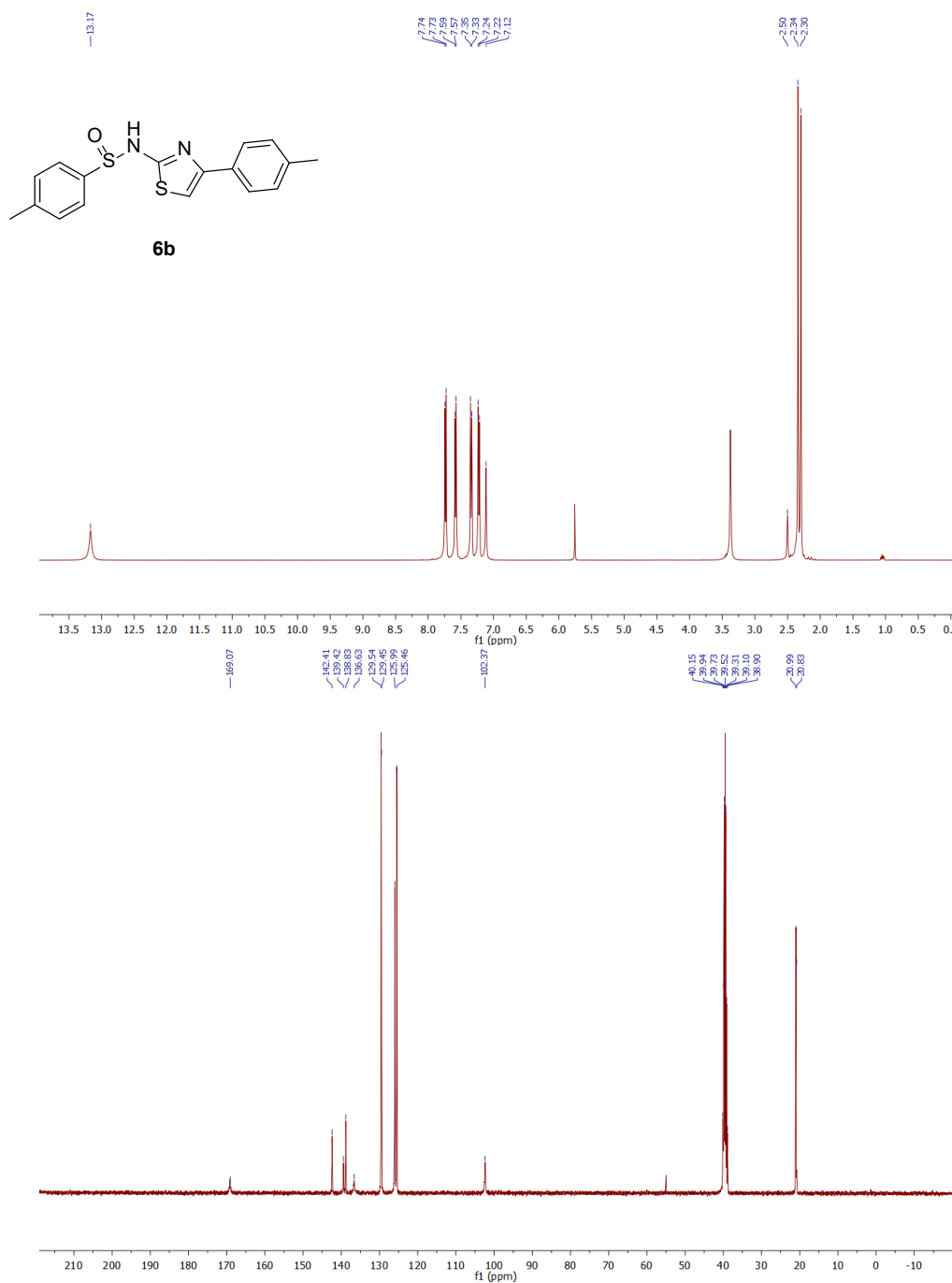


Fig. S3. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **6b**.

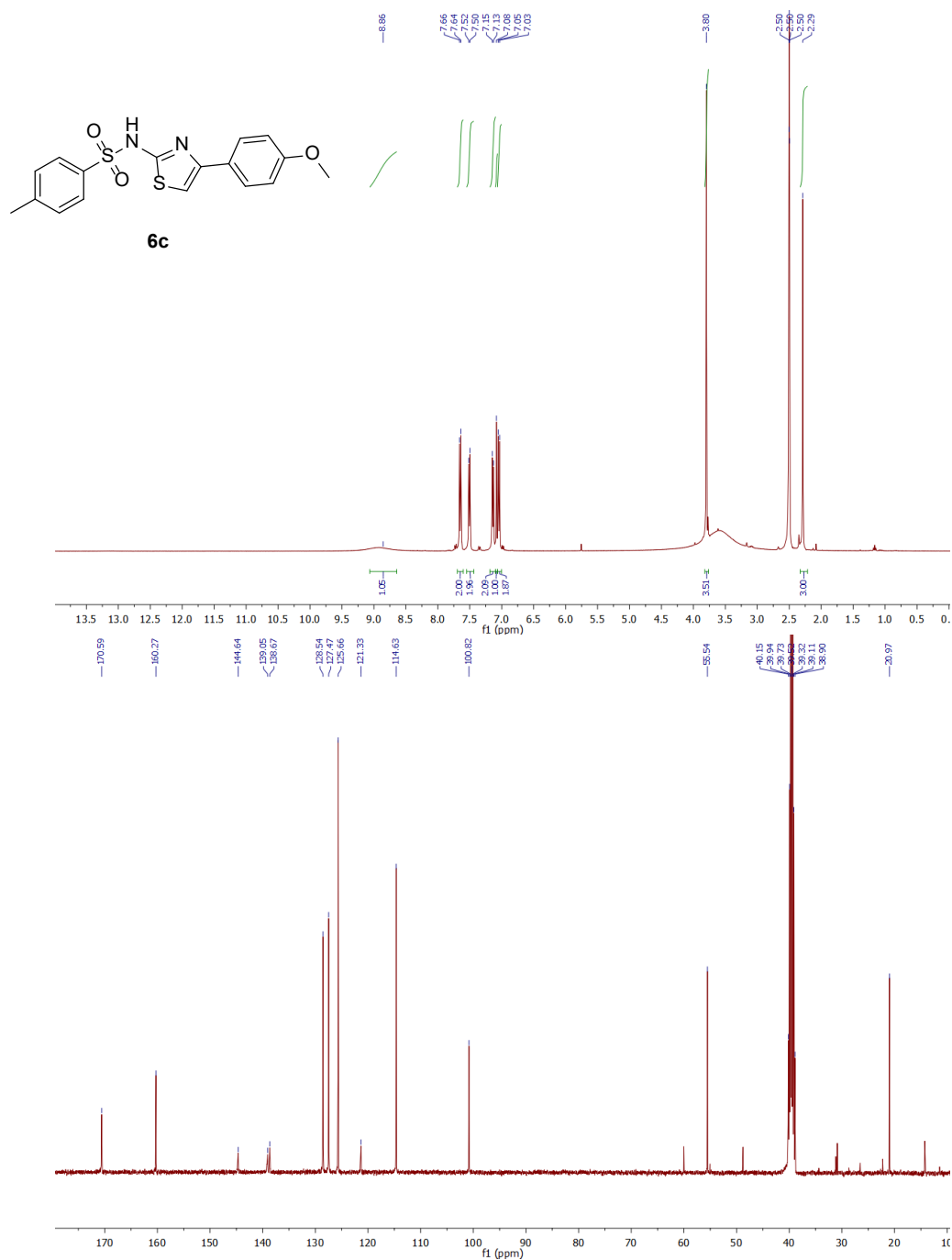


Fig. S4. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **6c**.

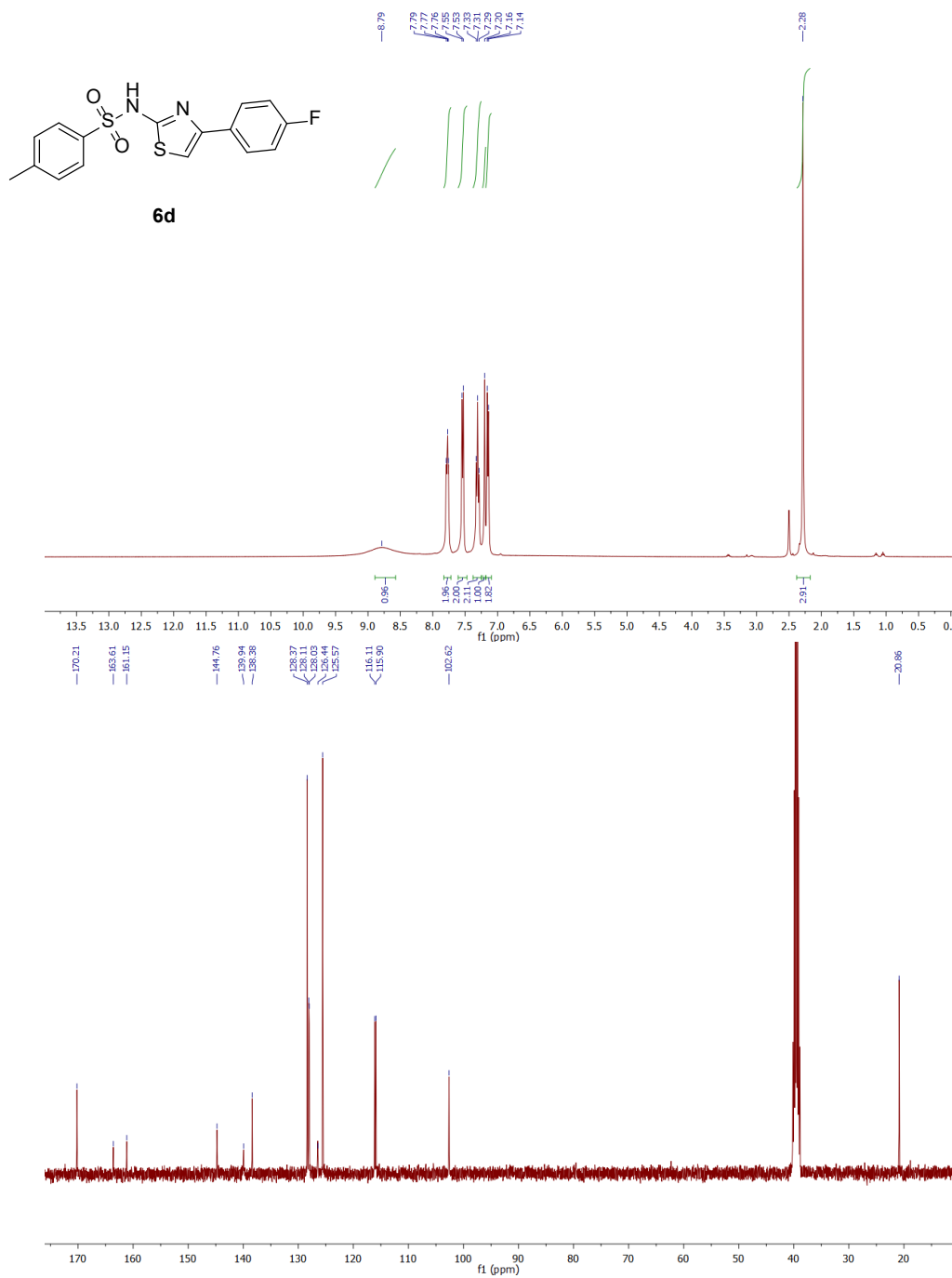


Fig. S5. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **6d**.

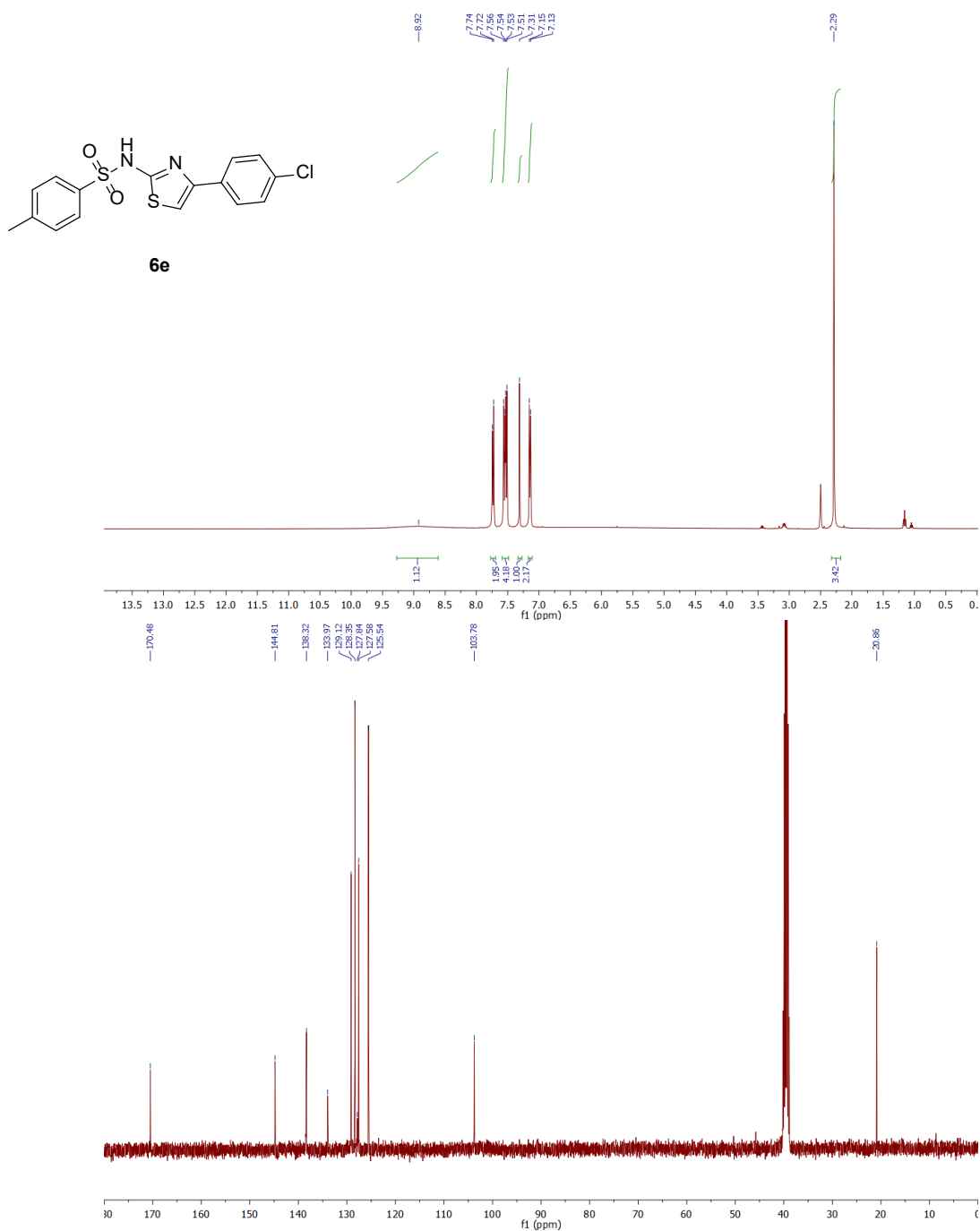


Fig. S6. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **6e**.

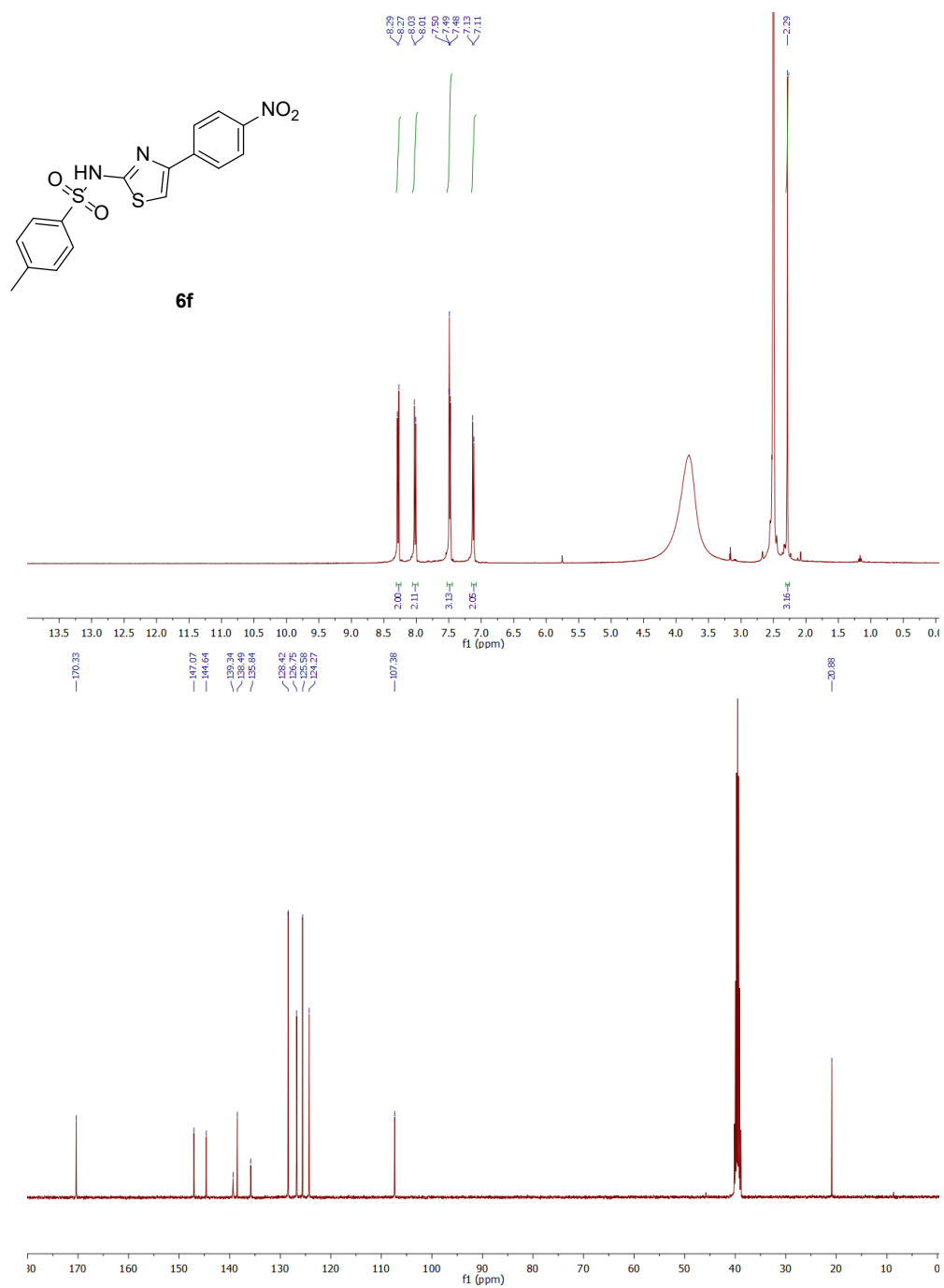
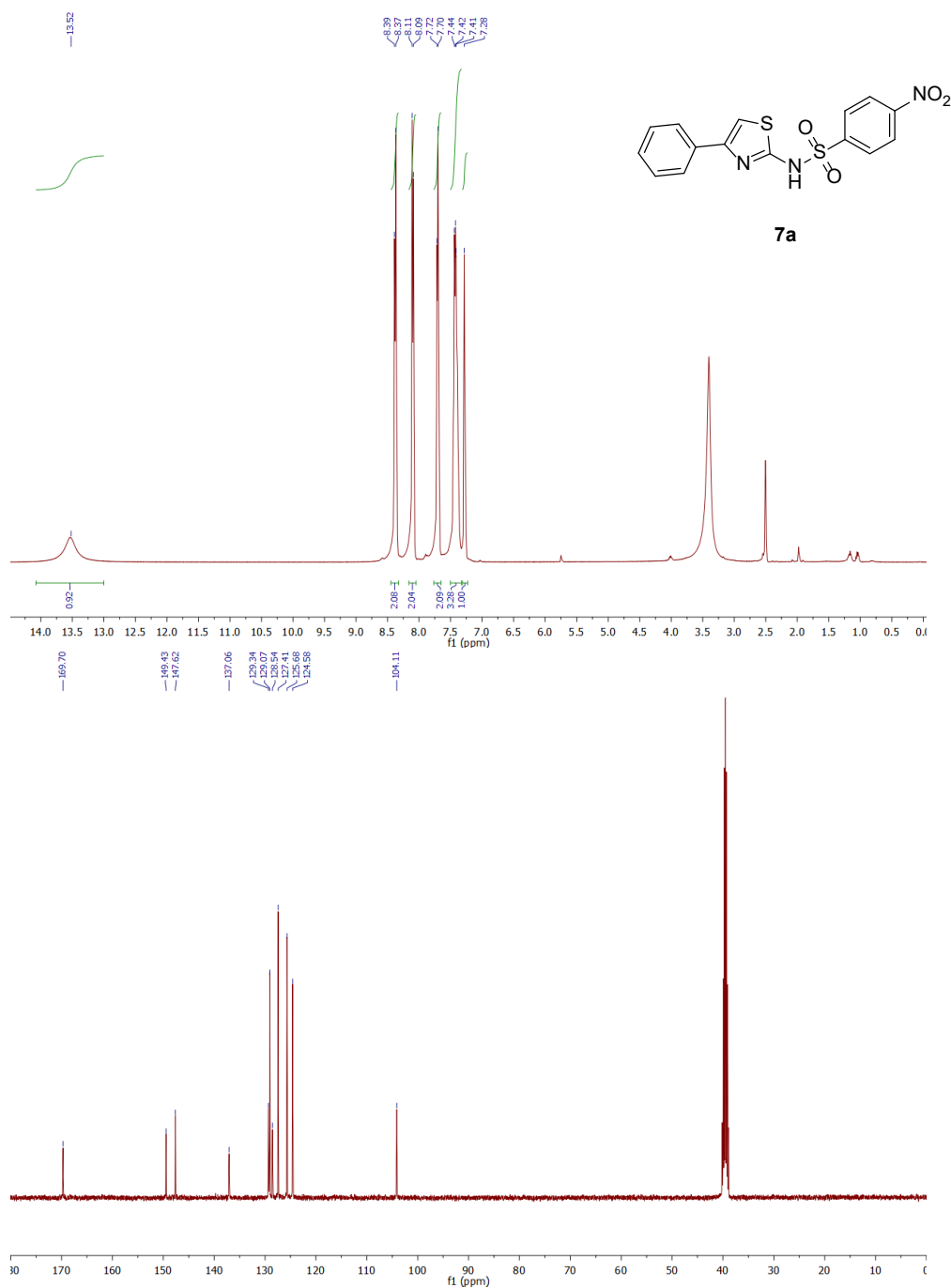


Fig. S7. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **6f**.



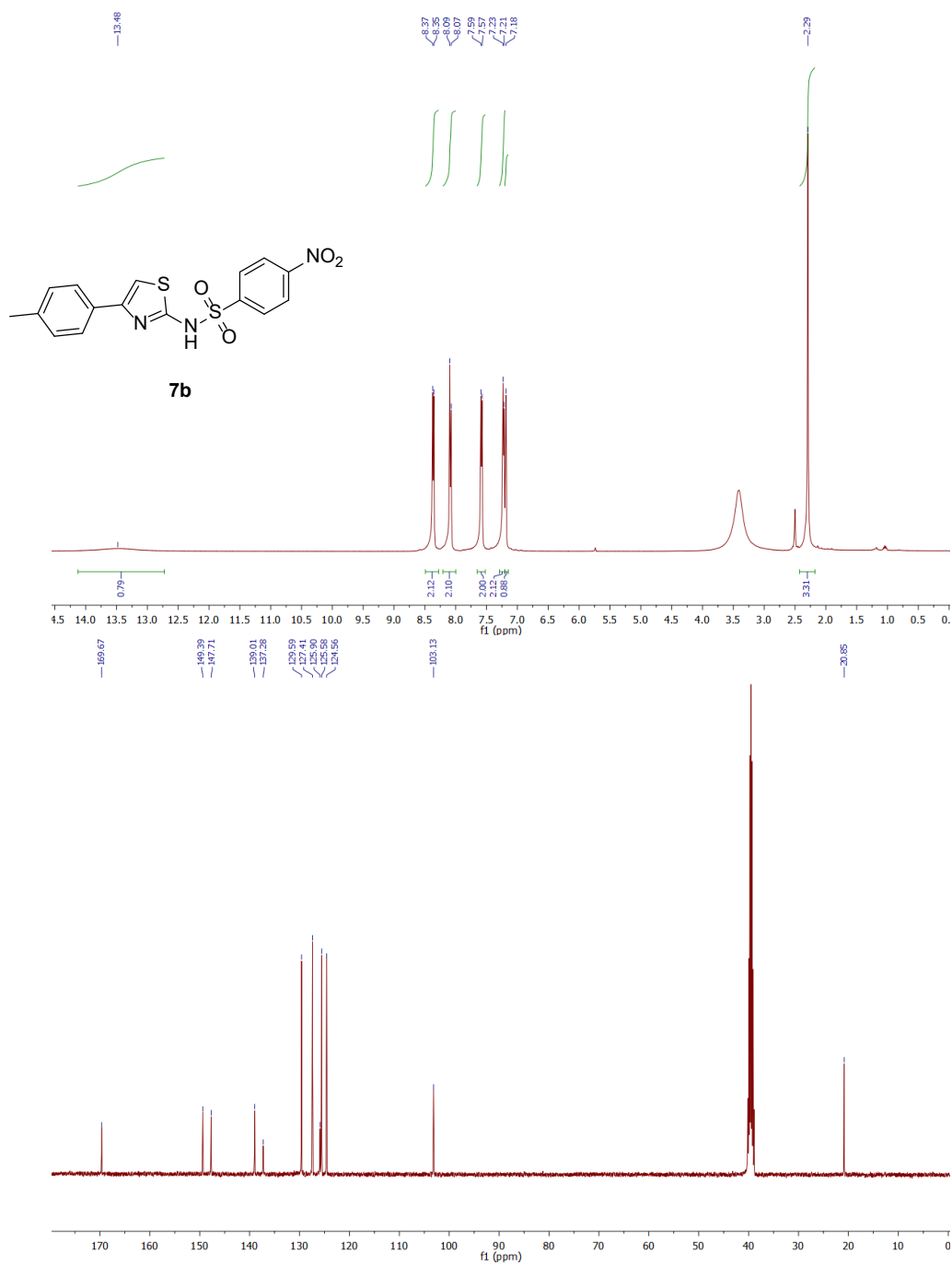


Fig. S9. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **7b**.

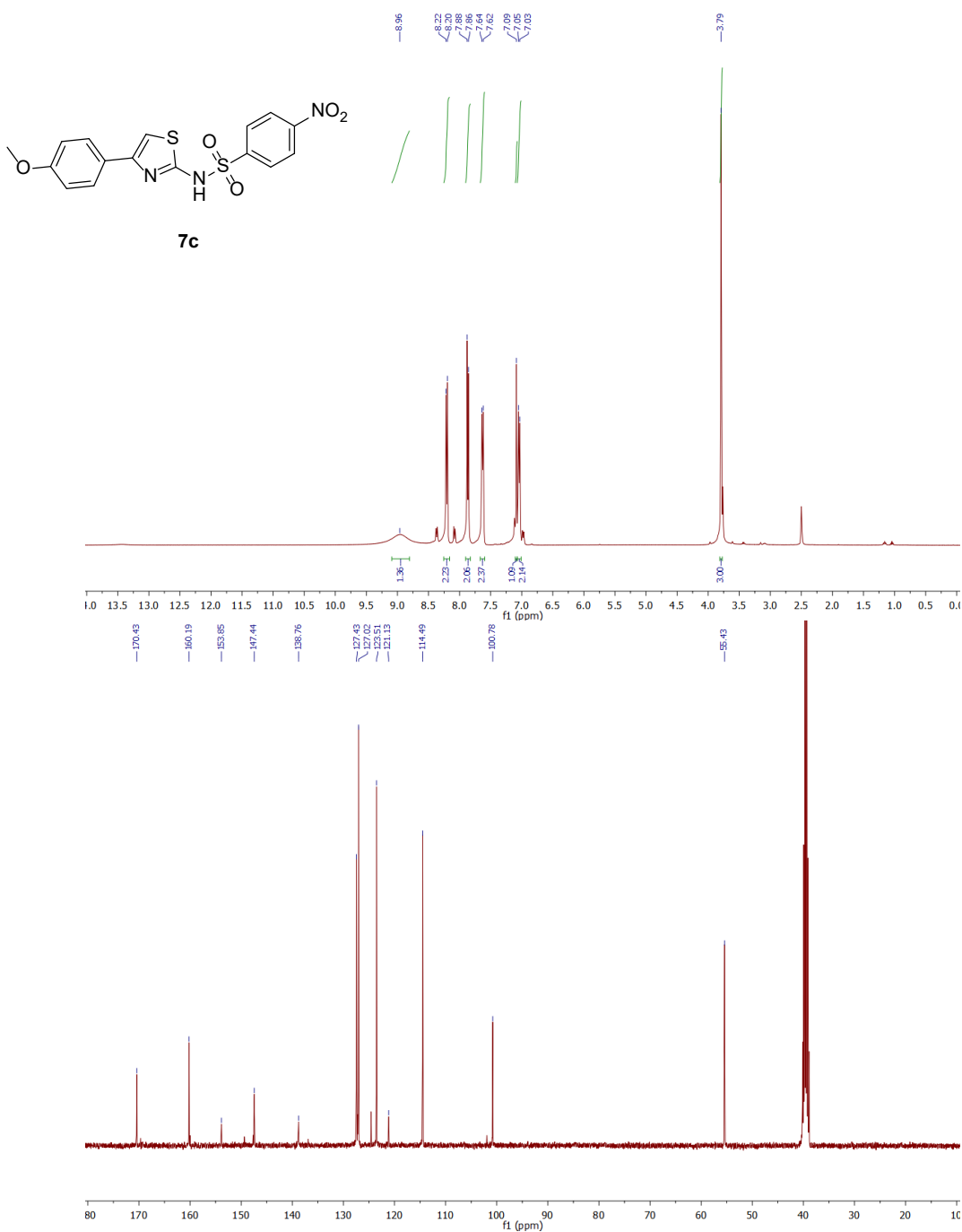


Fig. S10. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **7c**.

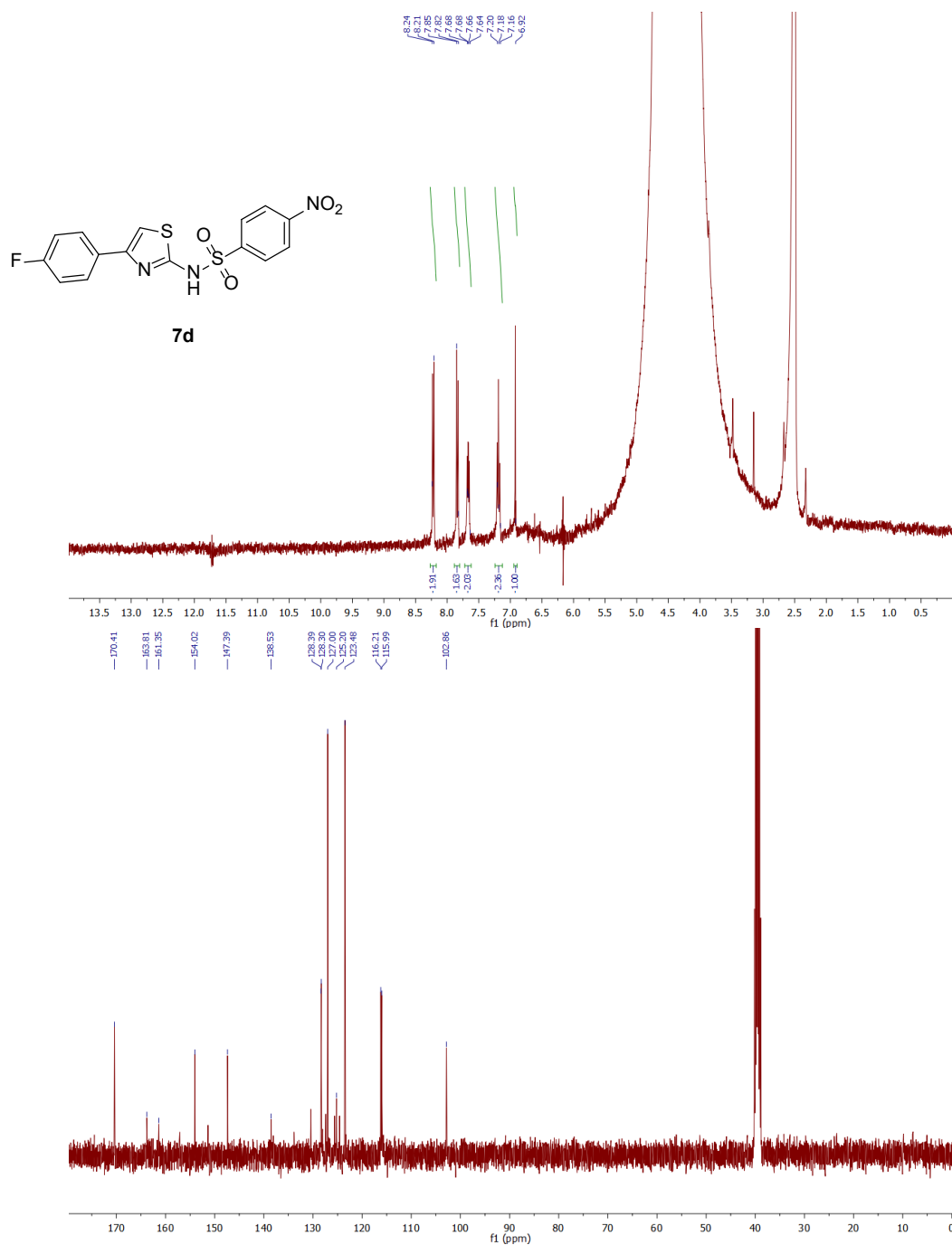


Fig. S11. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **7d**.

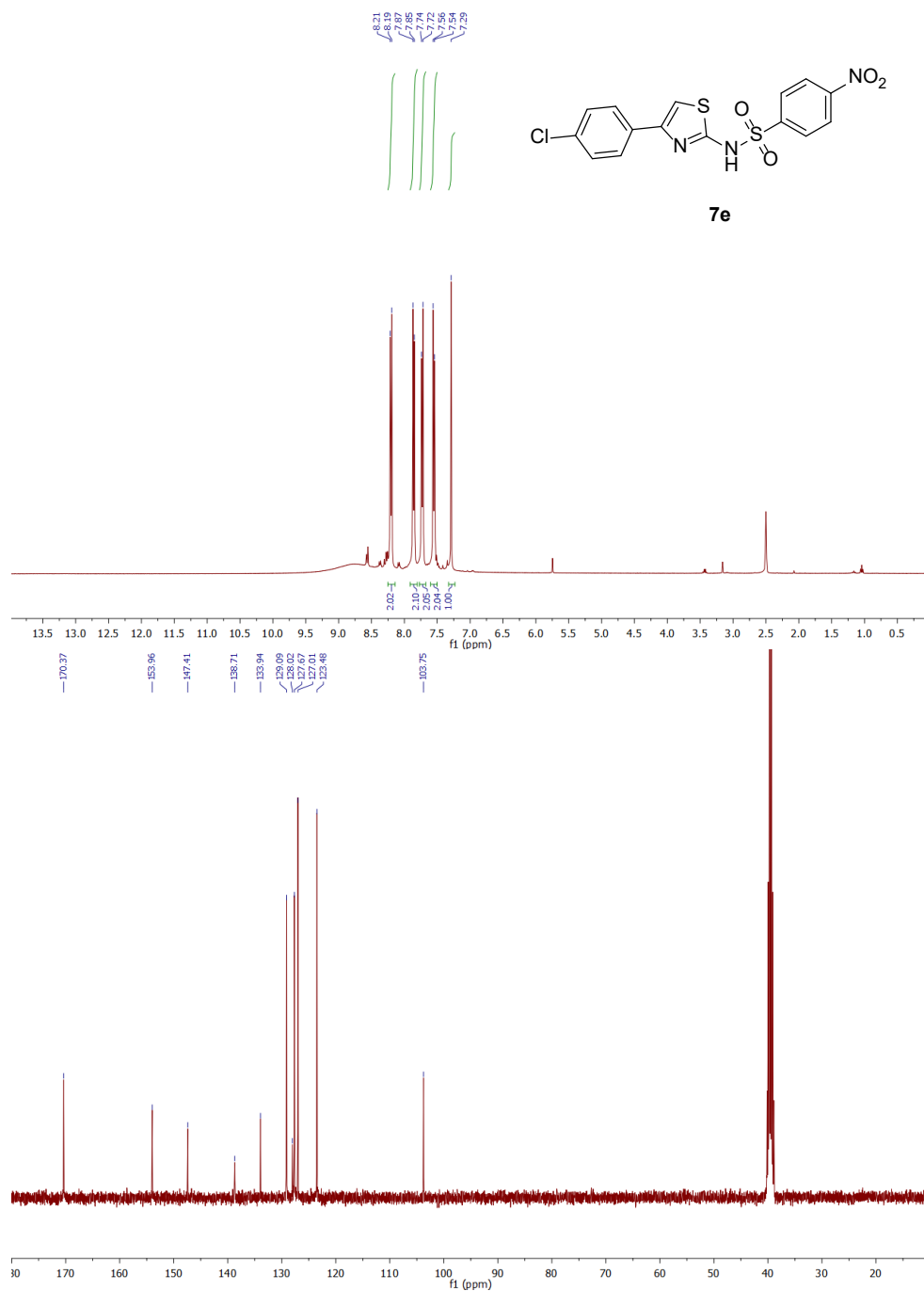


Fig. S12. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **7e**.

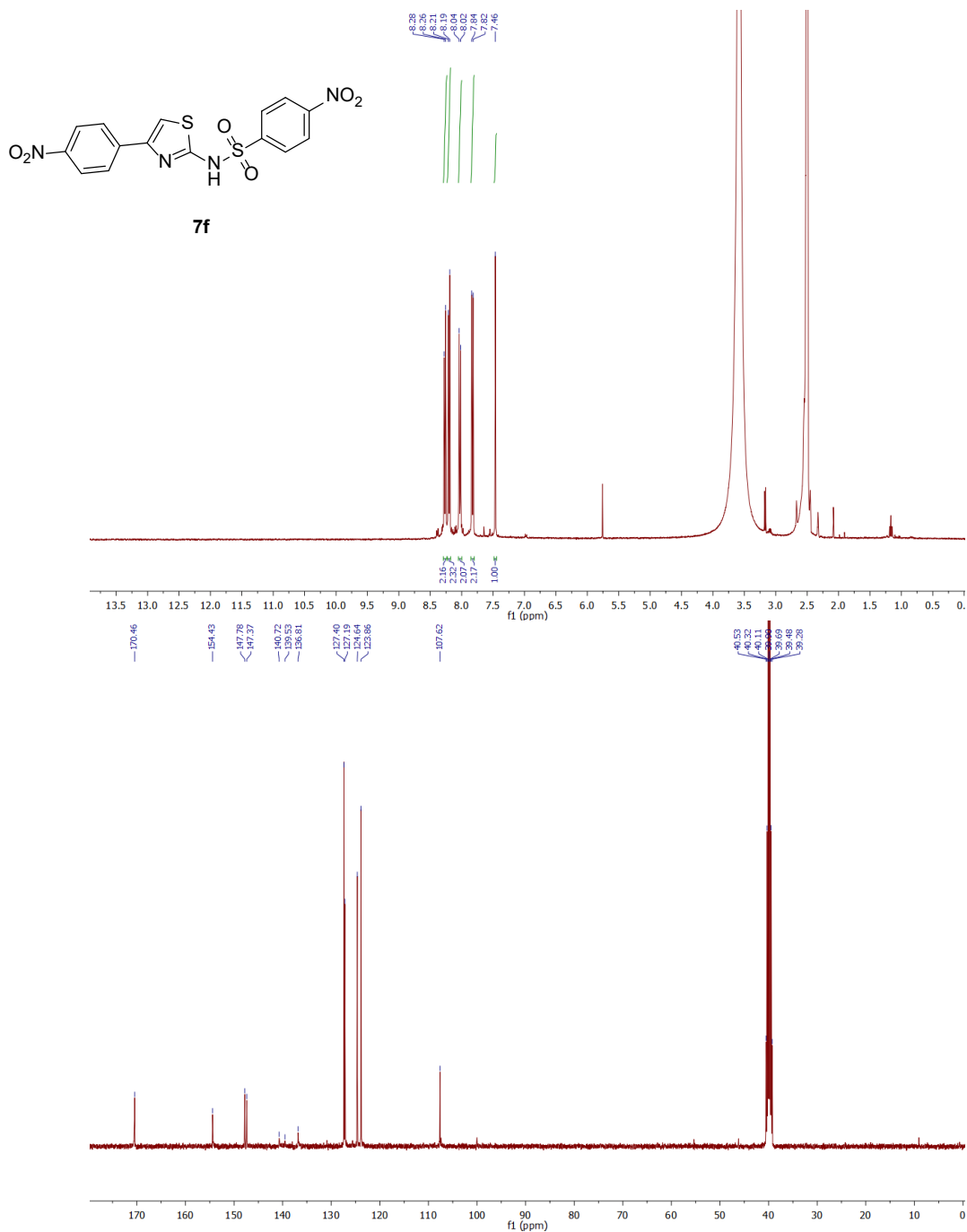


Fig. S13. ¹H NMR (400 MHz, DMSO-d₆) and ¹³C NMR (100 MHz, DMSO-d₆) spectra for **7f**.

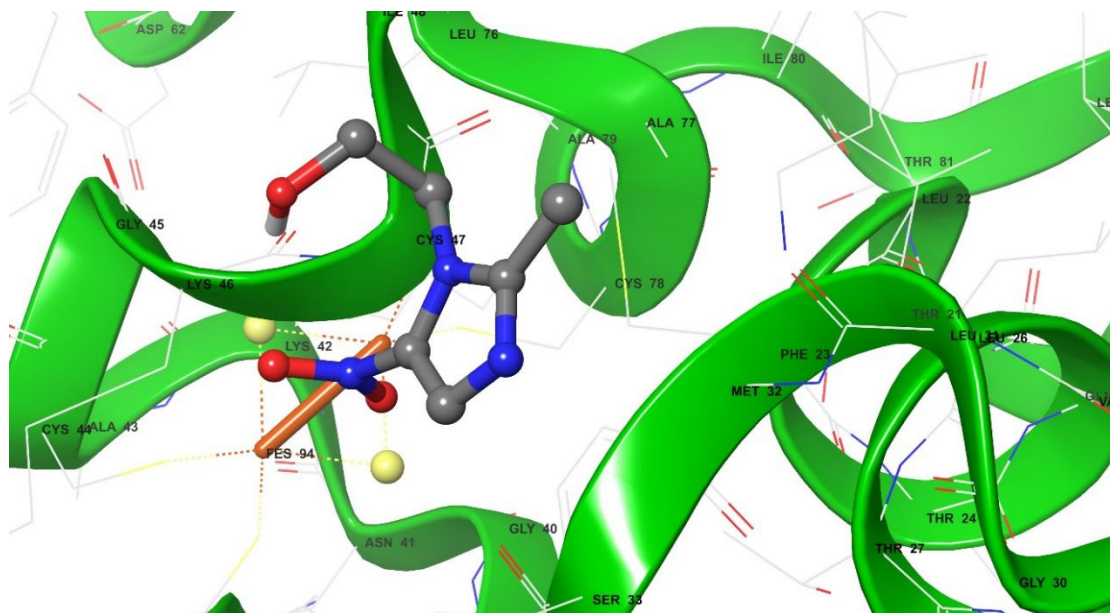


Fig. S14. 3D representation of the binding model of metronidazole in the binding site of the [2Fe-2S] cluster of *Trichomonas vaginalis* ferredoxin.