

Supporting information

Design, synthesis and biological assessment of rhodanine-linked benzenesulfonamide derivatives as selective and potent human carbonic anhydrase inhibitors

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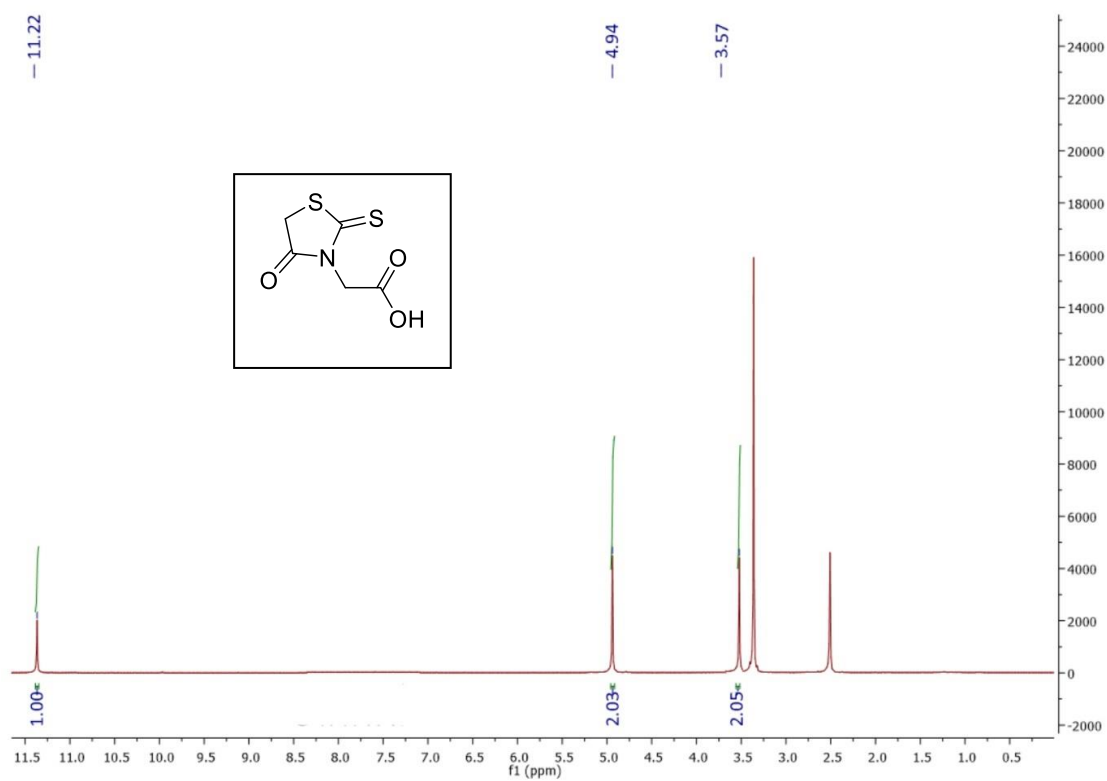


Figure S1. ¹H NMR of **3** in DMSO-*d*₆

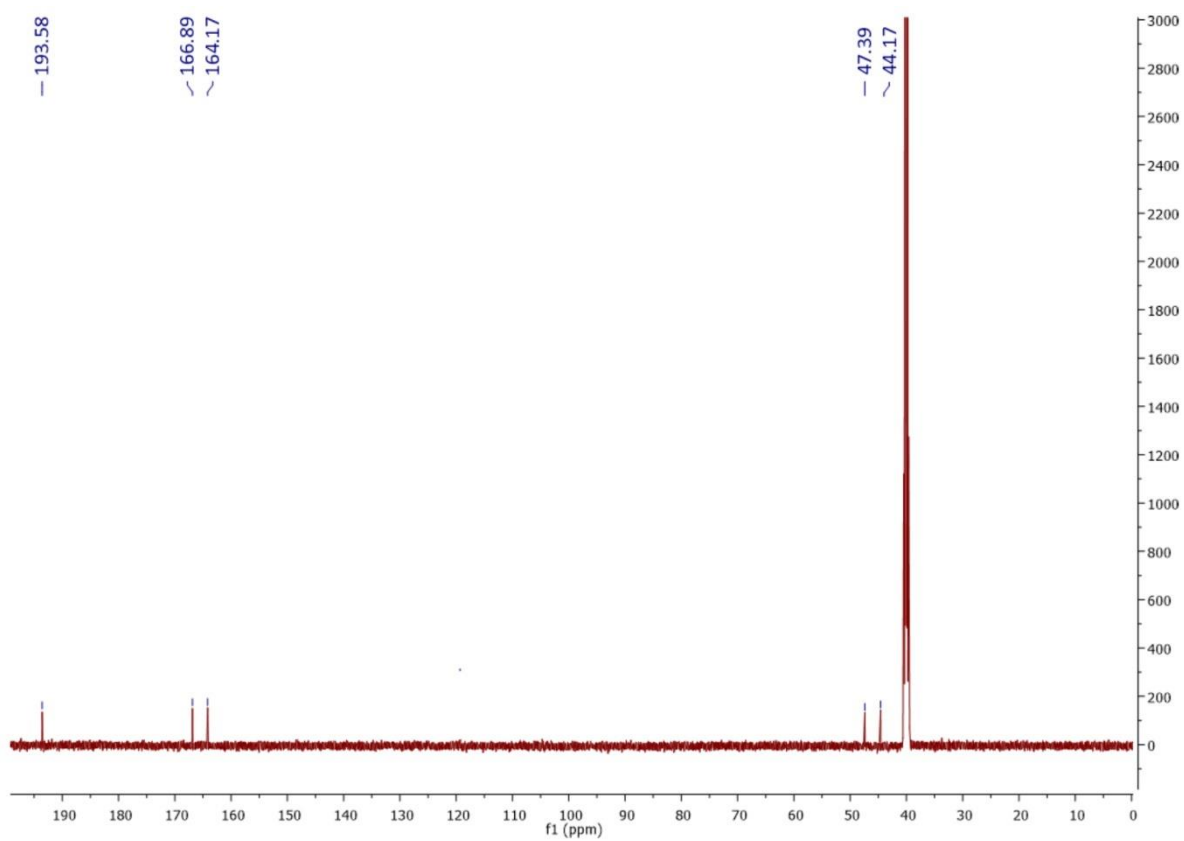


Figure S2. ¹³C NMR of **3** in DMSO-*d*₆

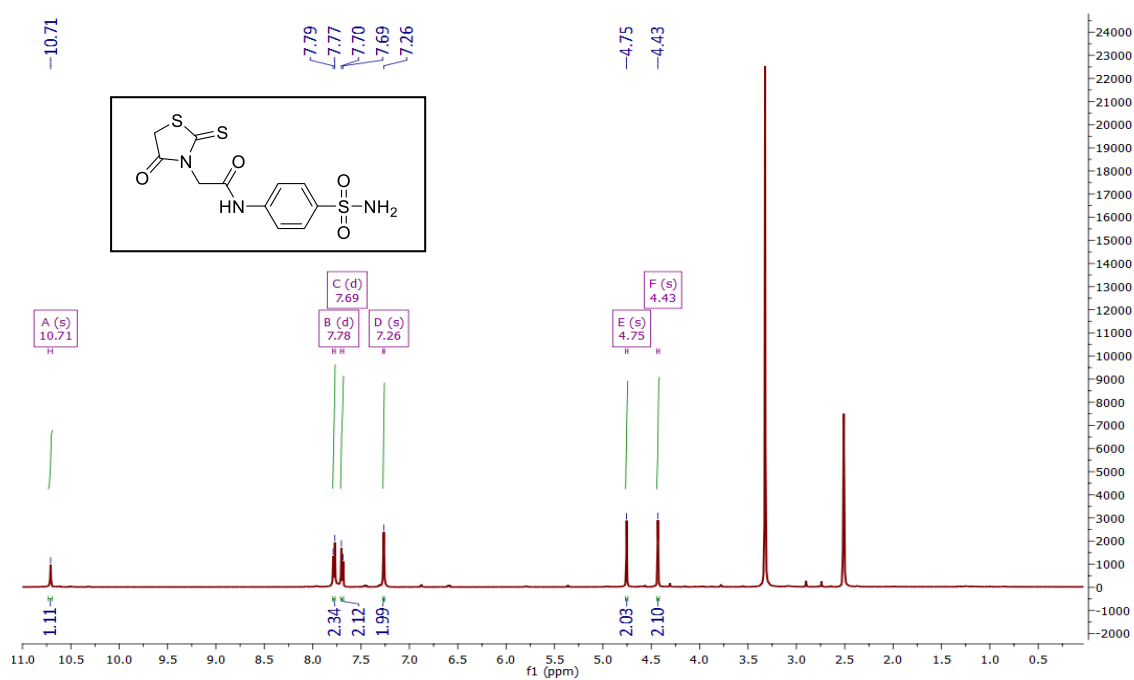


Figure S3. ¹H NMR of **5** in DMSO-*d*₆

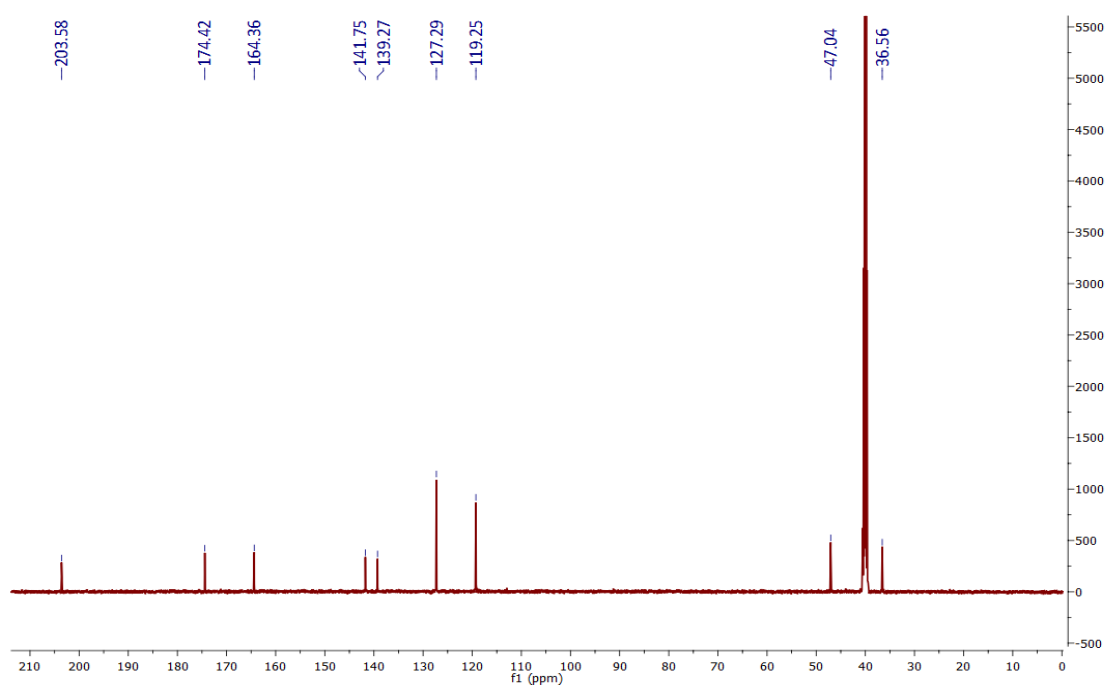


Figure S4. ¹³C NMR of **5** in DMSO-*d*₆

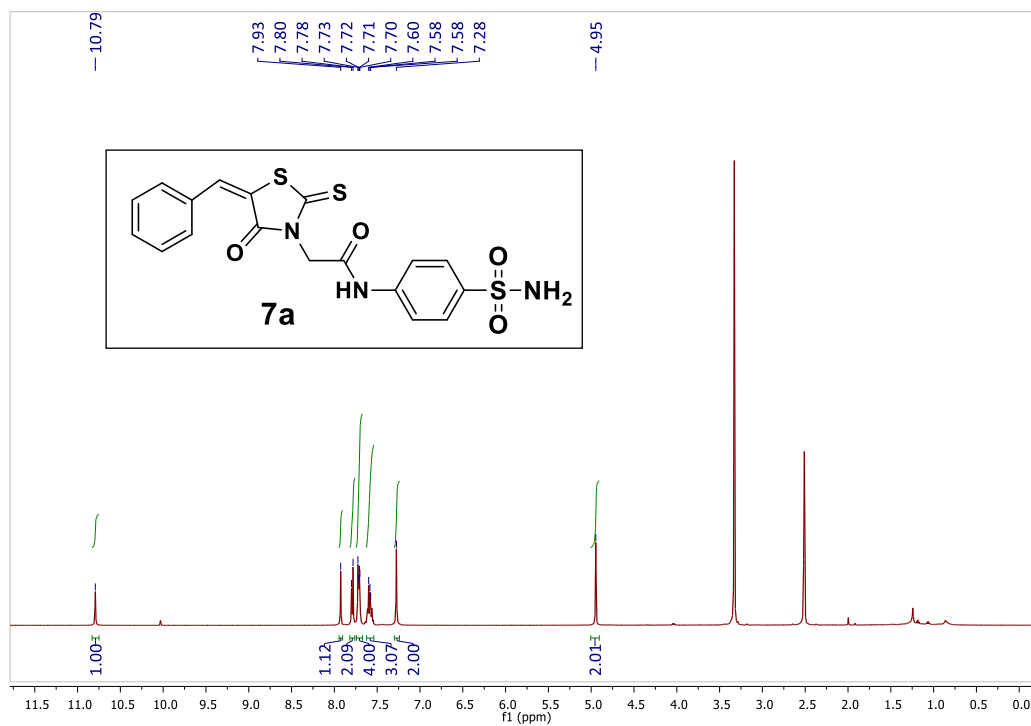


Figure S5. ¹H NMR of **7a** in DMSO-*d*₆

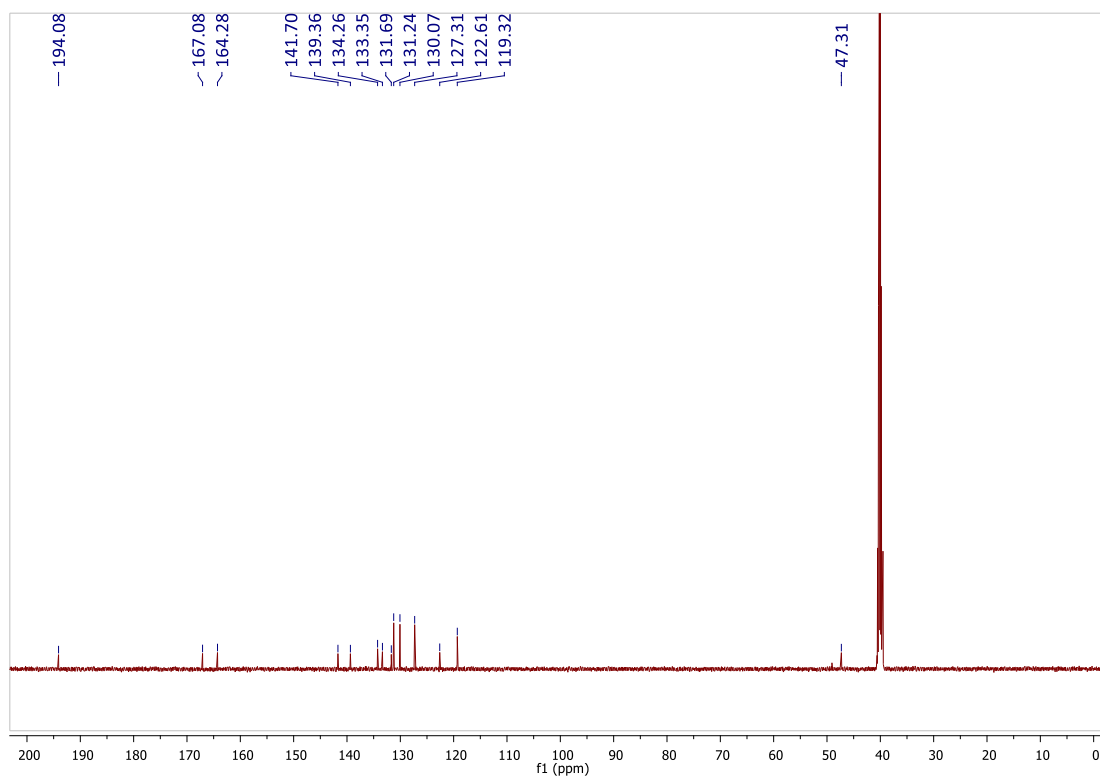


Figure S6. ¹³C NMR of **7a** in DMSO-*d*₆

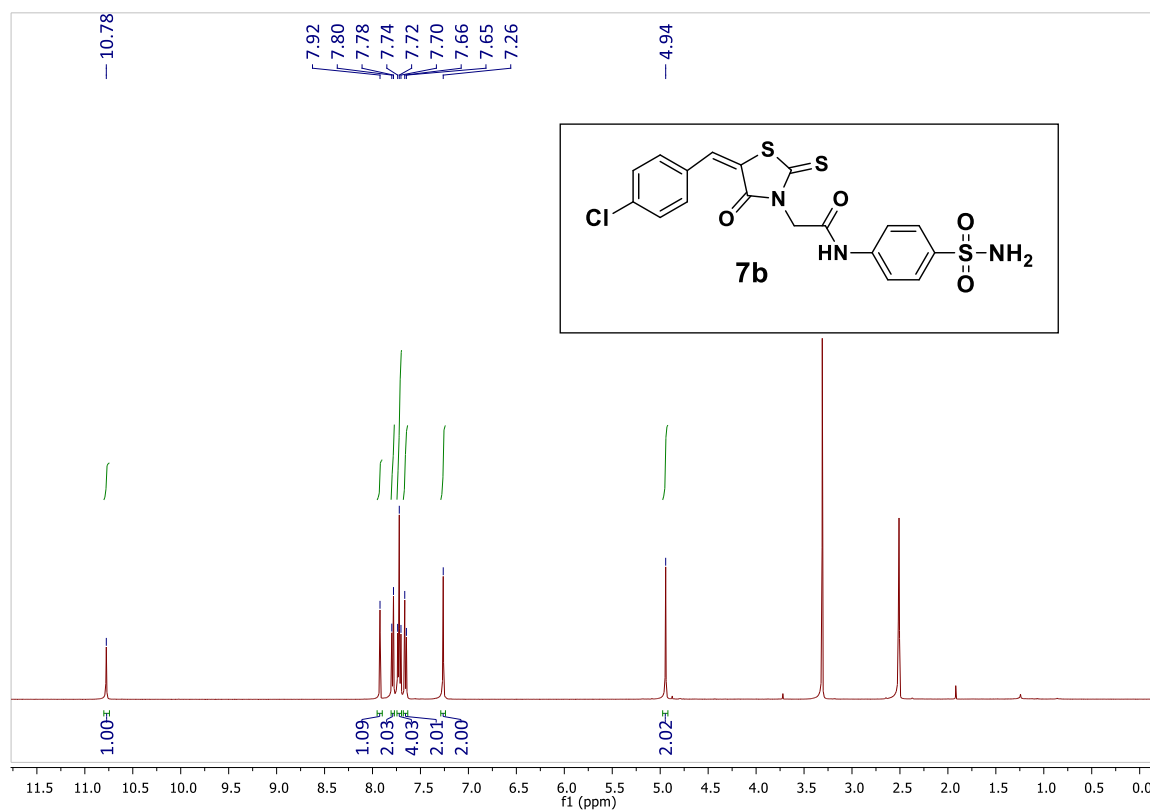


Figure S7. ^1H NMR of **7b** in $\text{DMSO-}d_6$

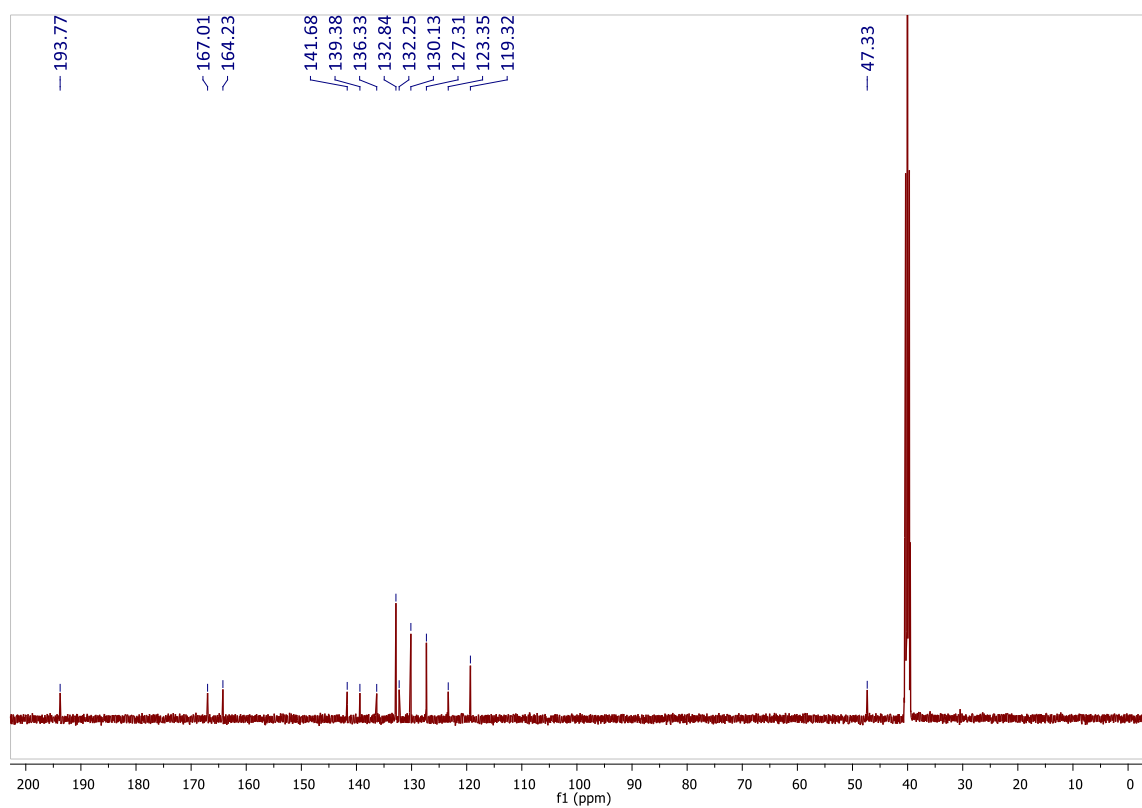


Figure S8. ^{13}C NMR of **7b** in $\text{DMSO-}d_6$

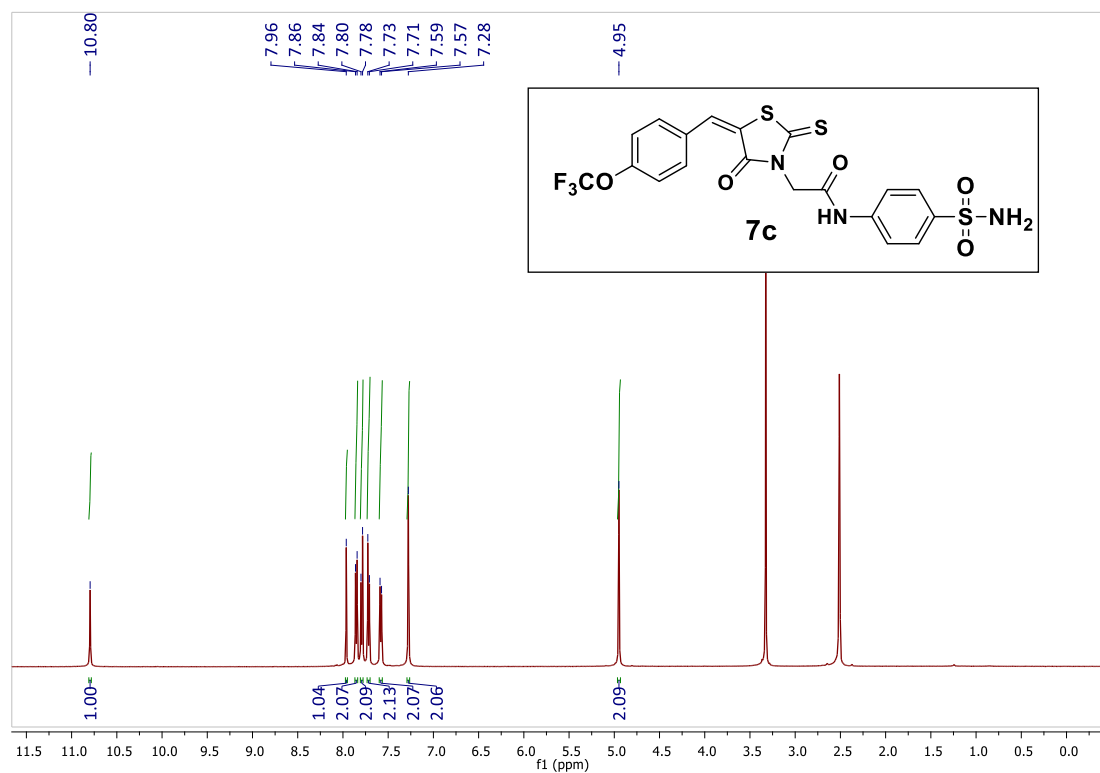


Figure S9. ¹H NMR of **7c** in DMSO-*d*₆

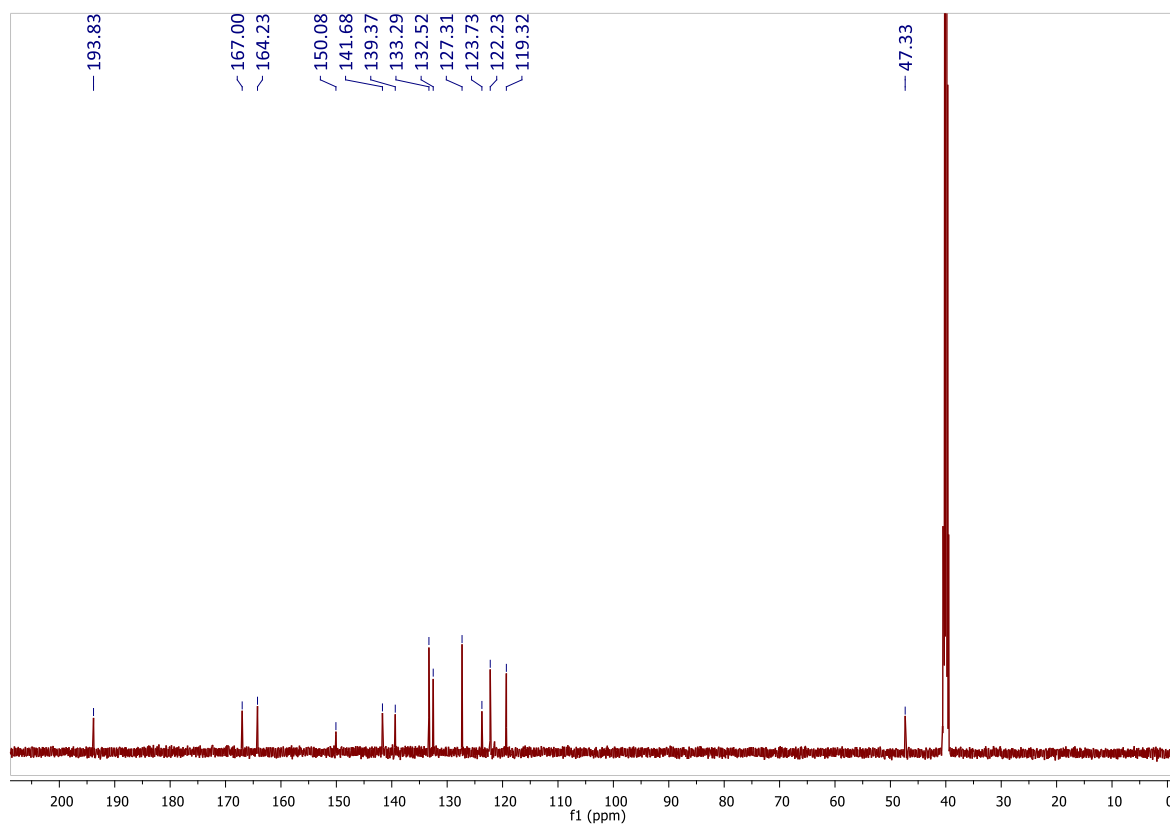


Figure S10. ¹³C NMR of **7c** in DMSO-*d*₆

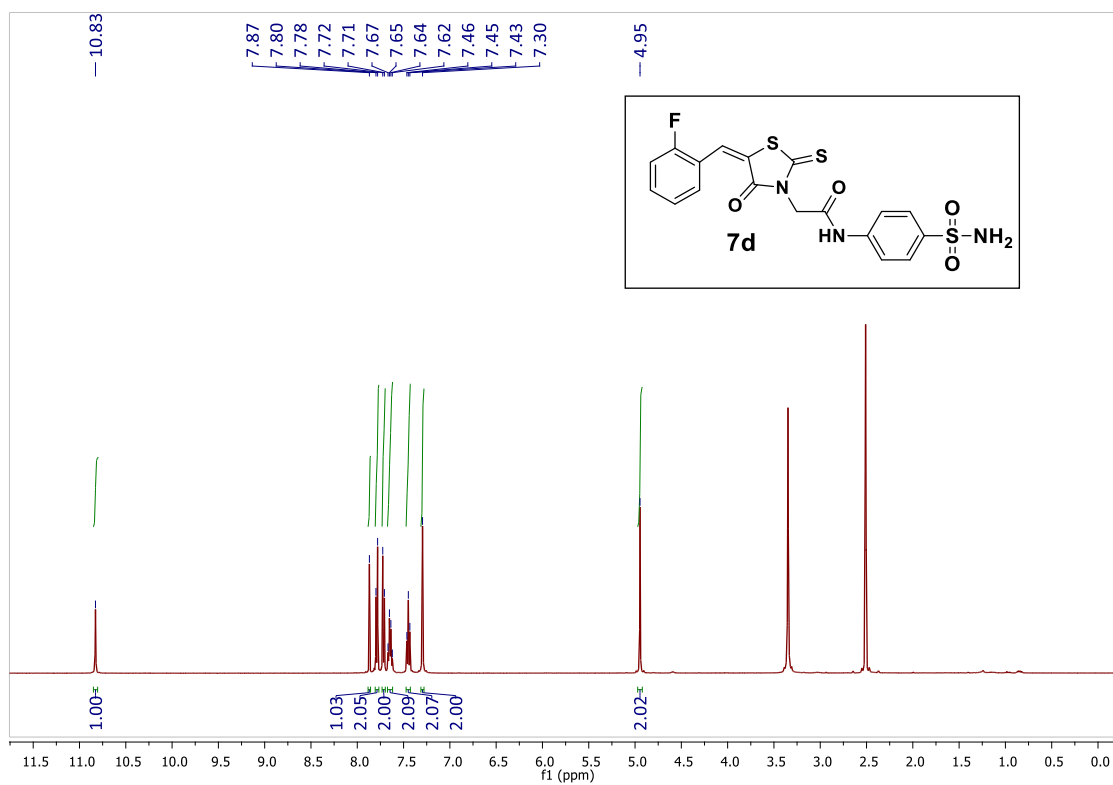


Figure S11. ¹H NMR of **7d** in DMSO-*d*₆

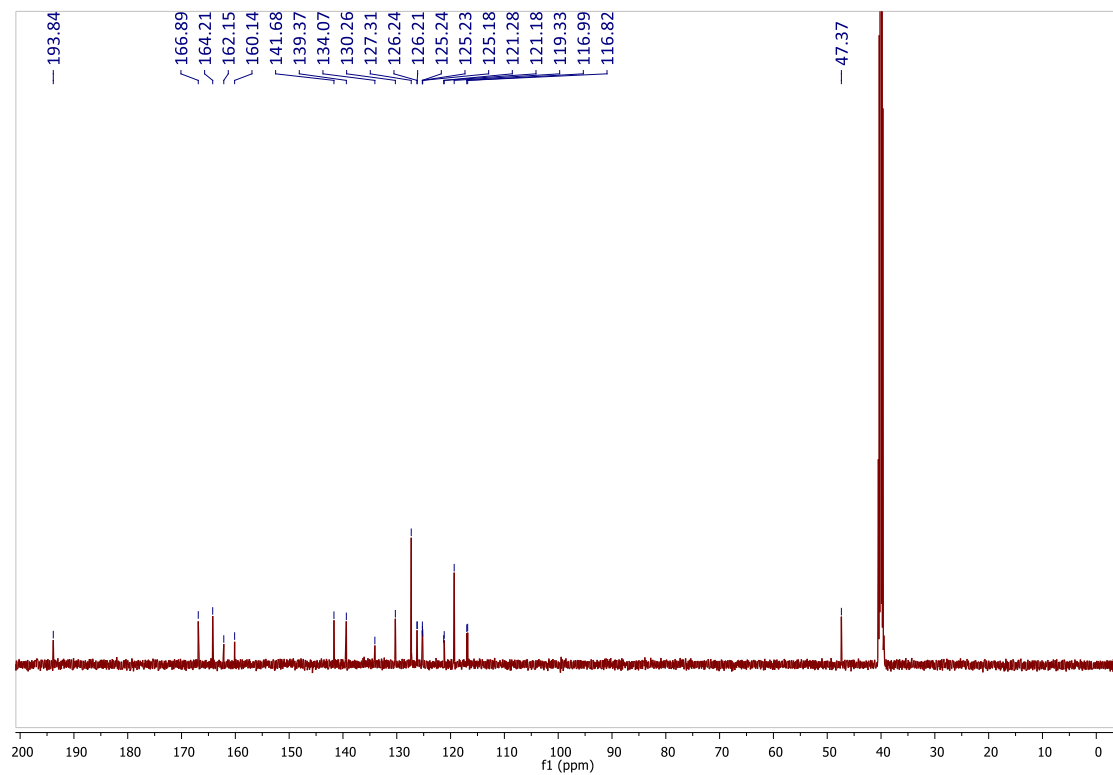


Figure S12. ¹³C NMR of **7d** in DMSO-*d*₆

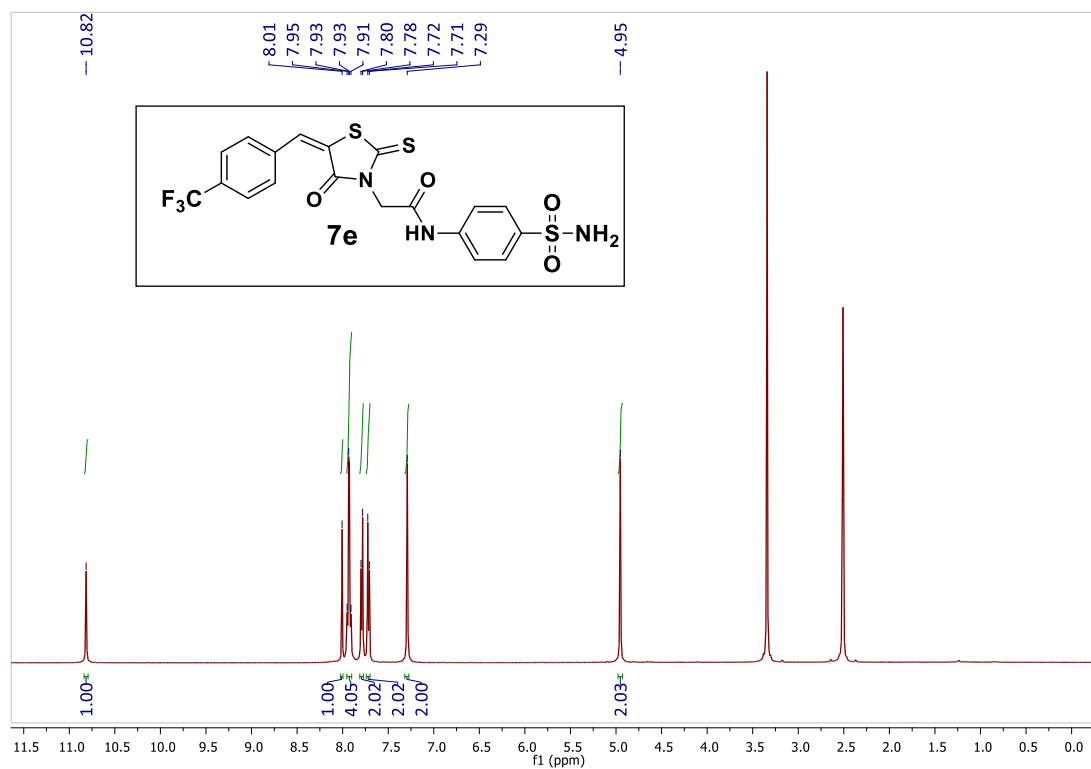


Figure S13. ¹H NMR of **7e** in DMSO-*d*₆

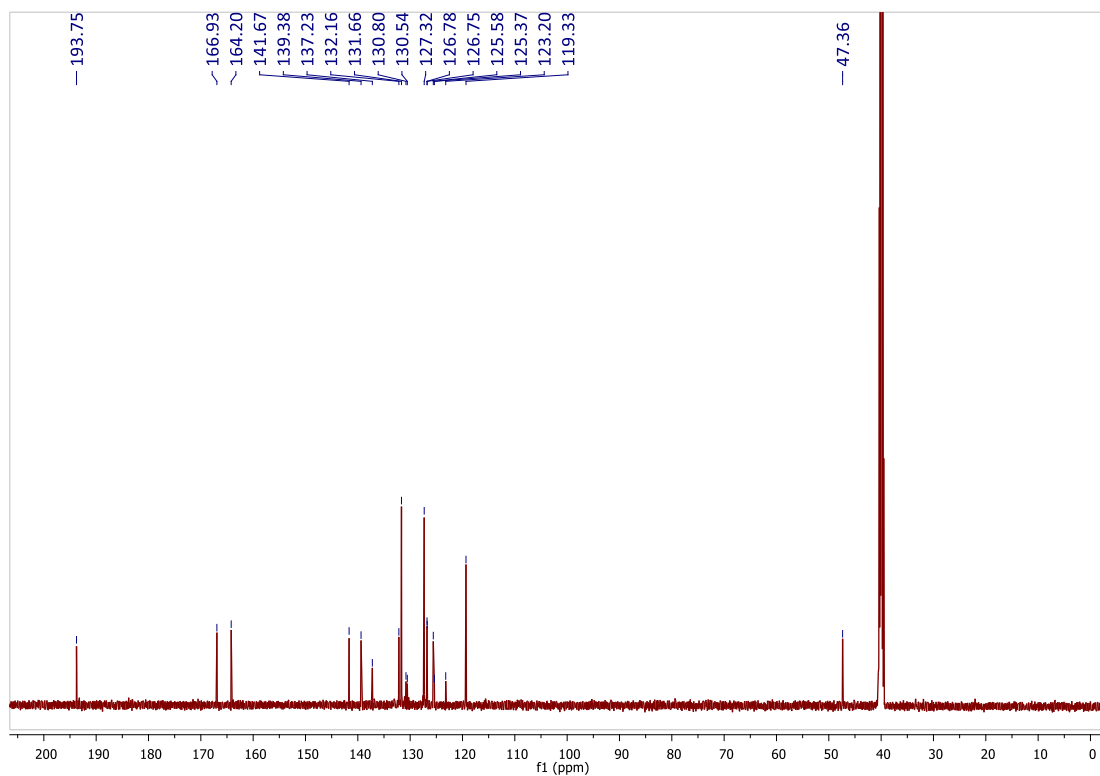


Figure S14. ¹³C NMR of **7e** in DMSO-*d*₆

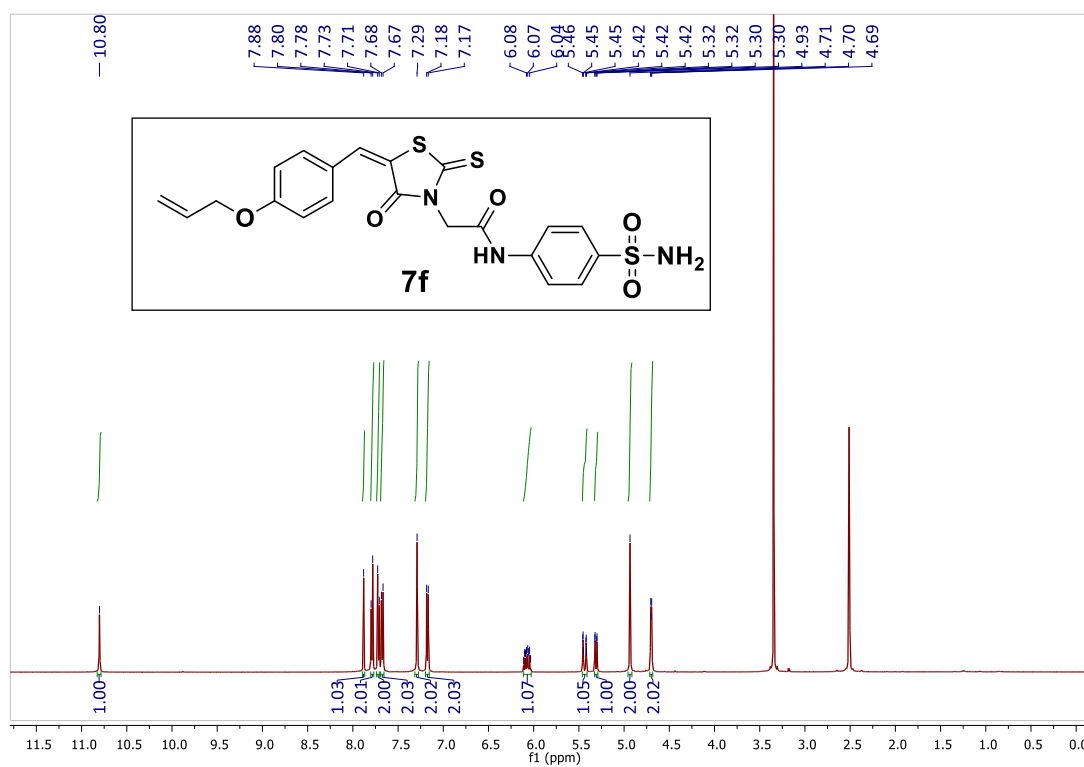


Figure S15. ¹H NMR of **7f** in DMSO-*d*₆

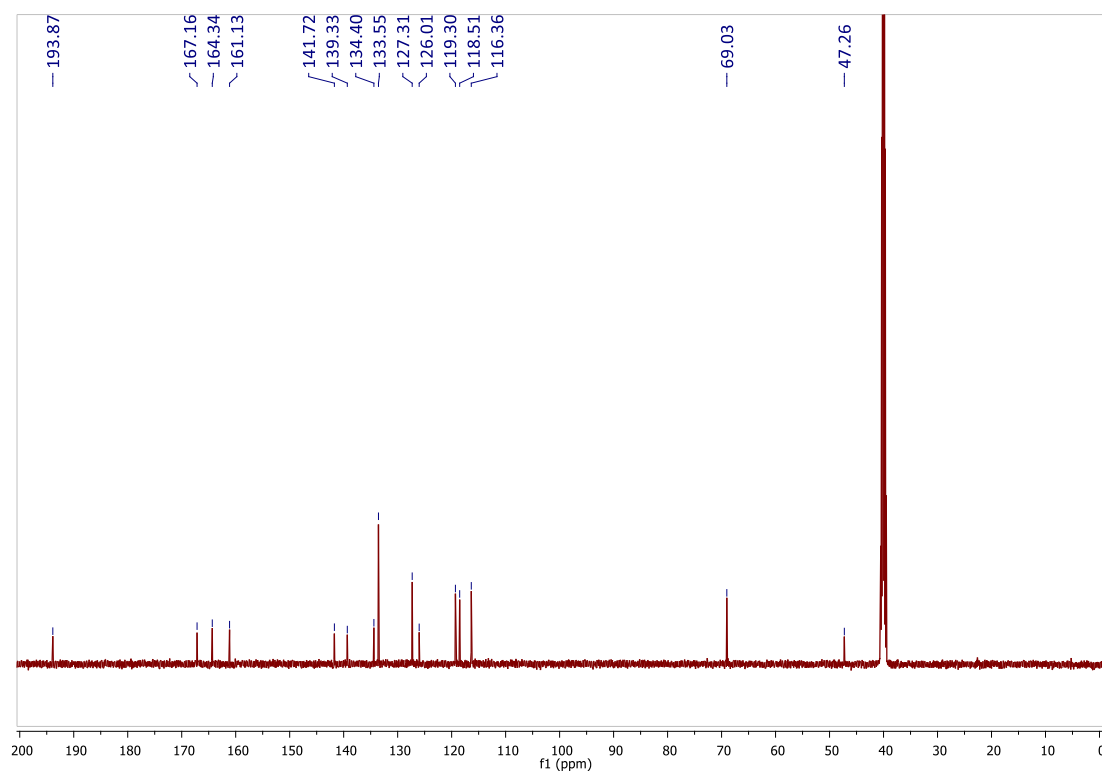


Figure S16. ¹³C NMR of **7f** in DMSO-*d*₆

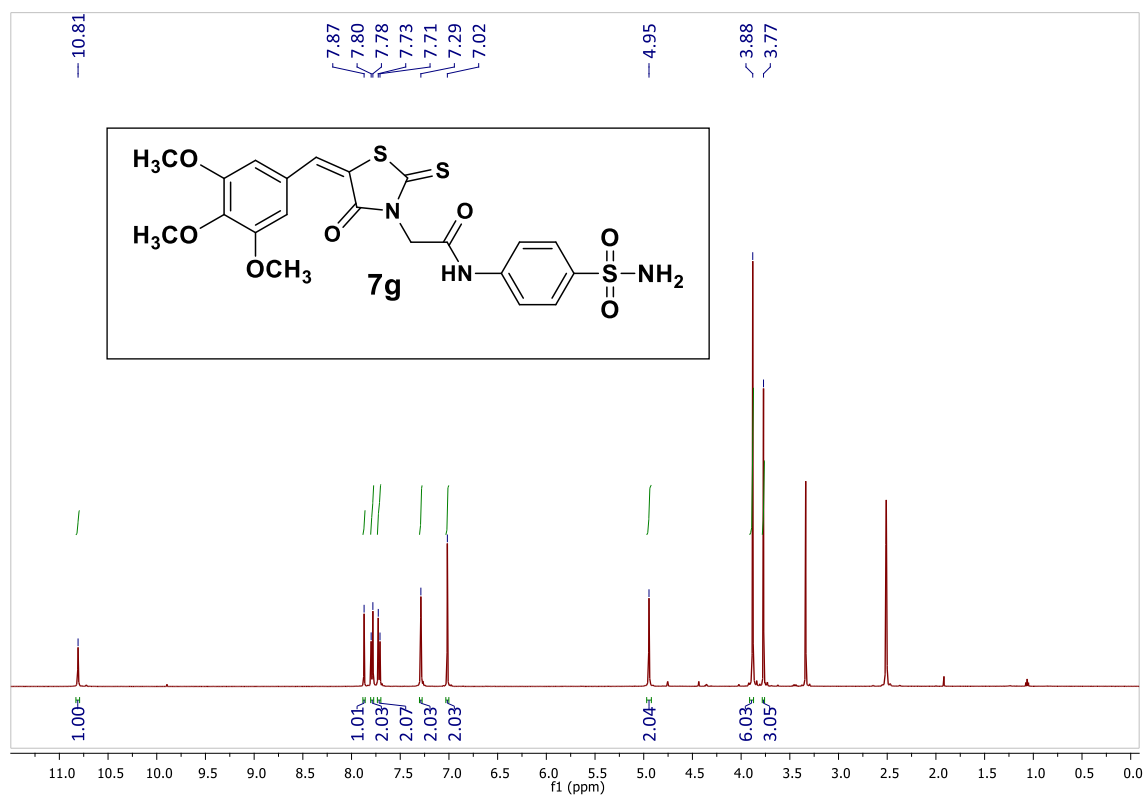


Figure S17. ¹H NMR of **7g** in DMSO-*d*₆

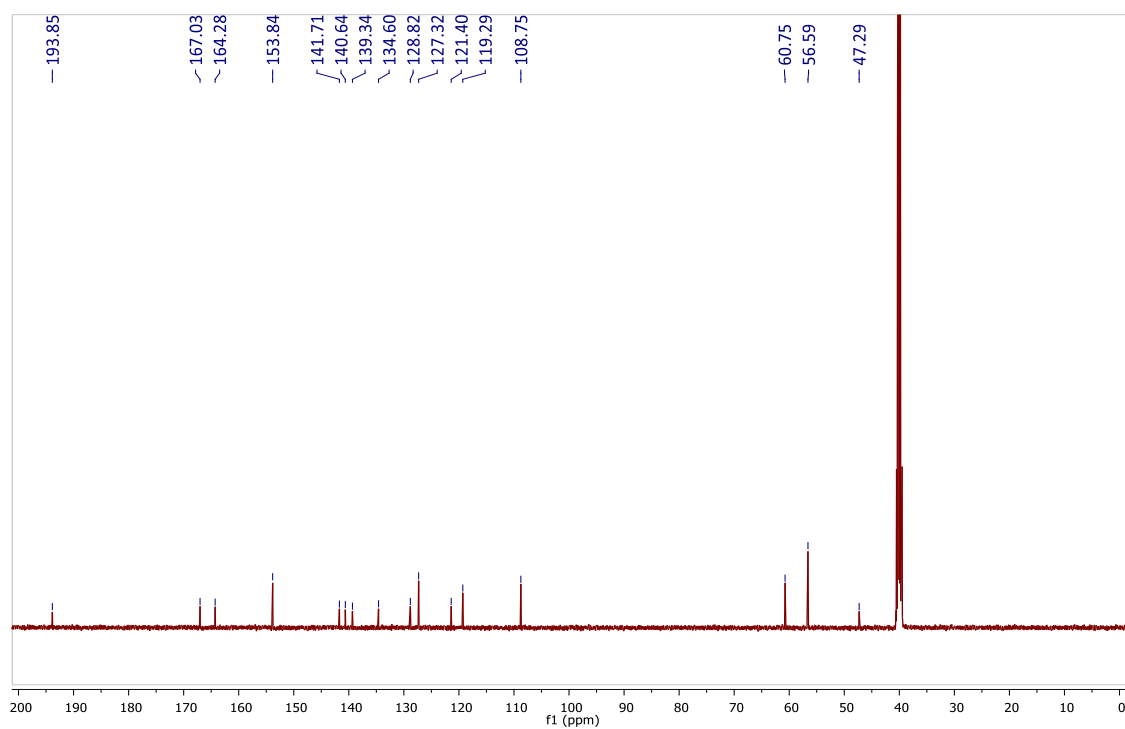


Figure S18. ¹³C NMR of **7g** in DMSO-*d*₆

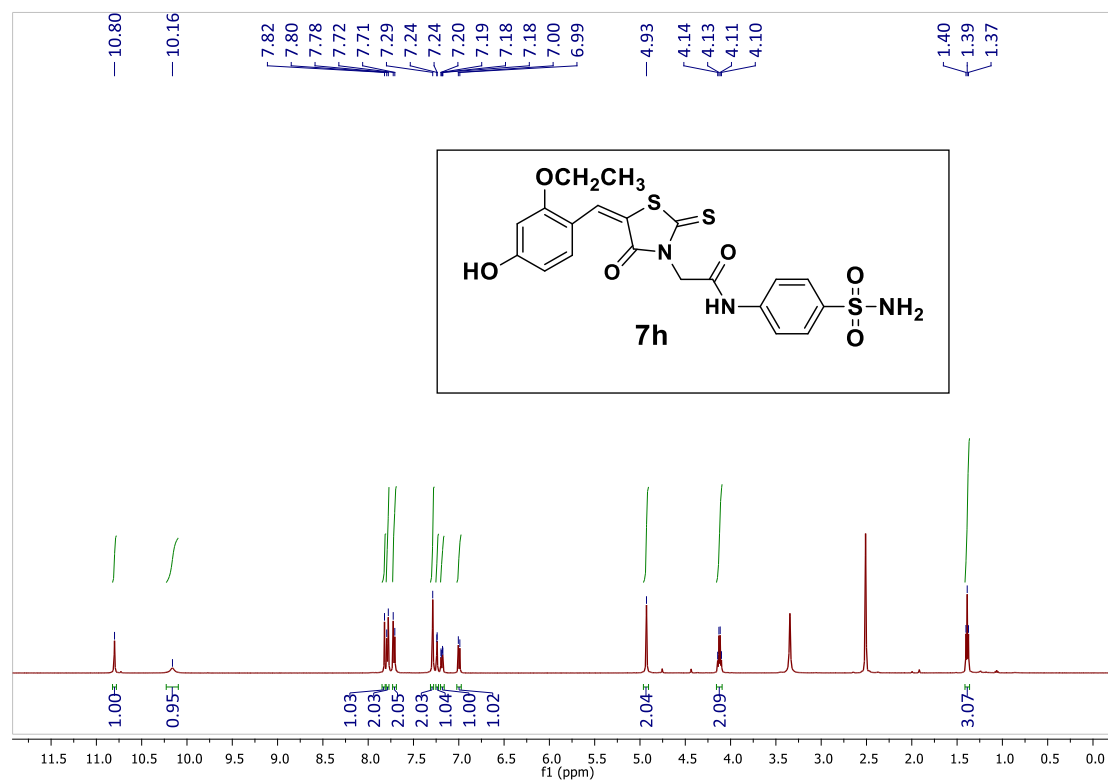


Figure S19. ¹H NMR of **7h** in DMSO-*d*₆

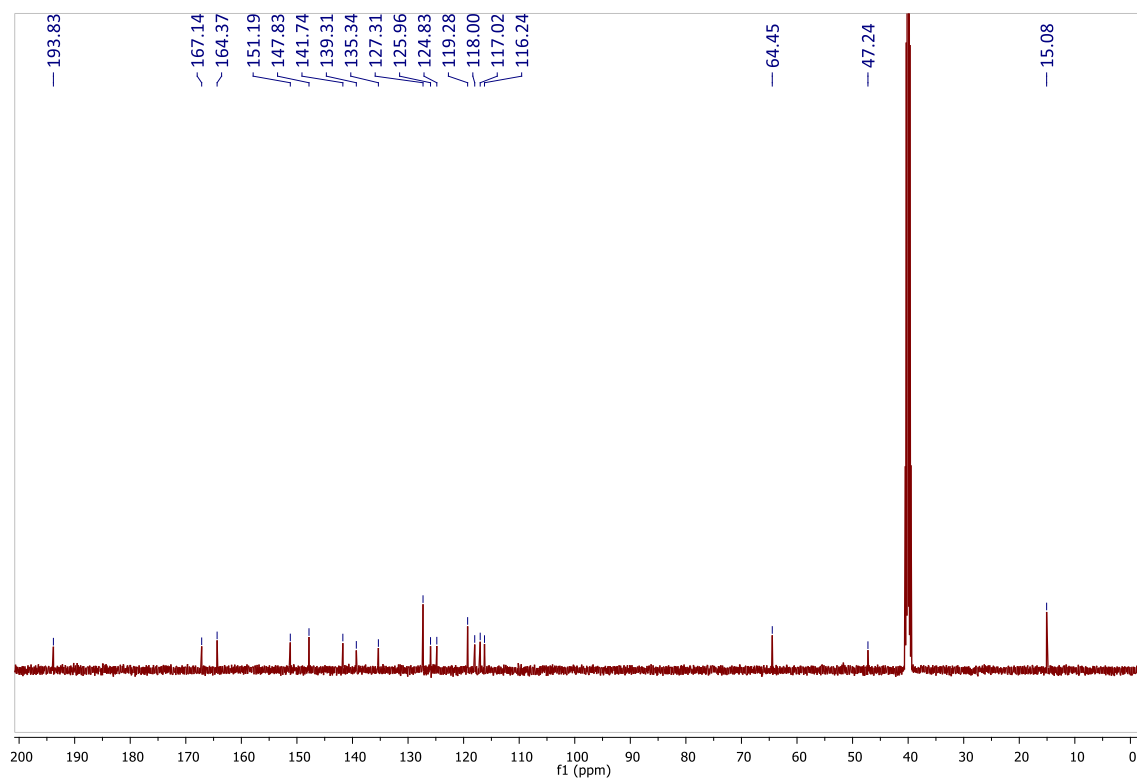


Figure S20. ¹³C NMR of **7h** in DMSO-*d*₆

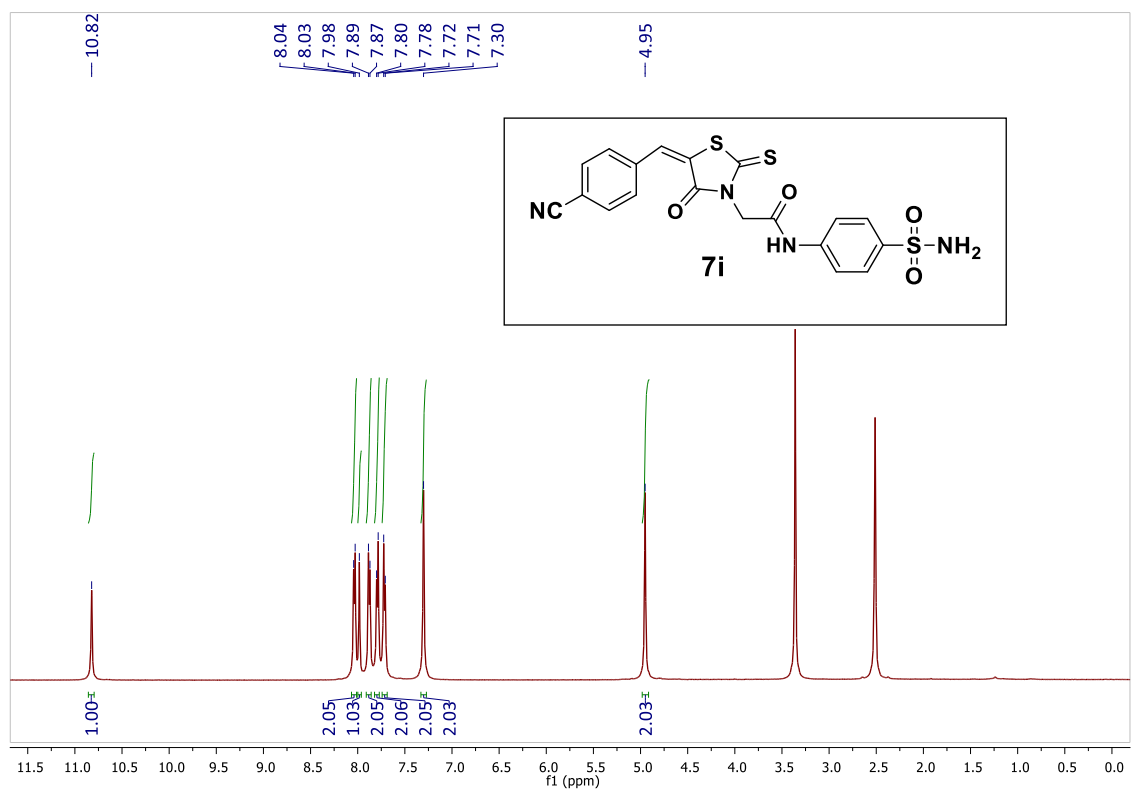


Figure S21. ¹H NMR of **7i** in DMSO-*d*₆

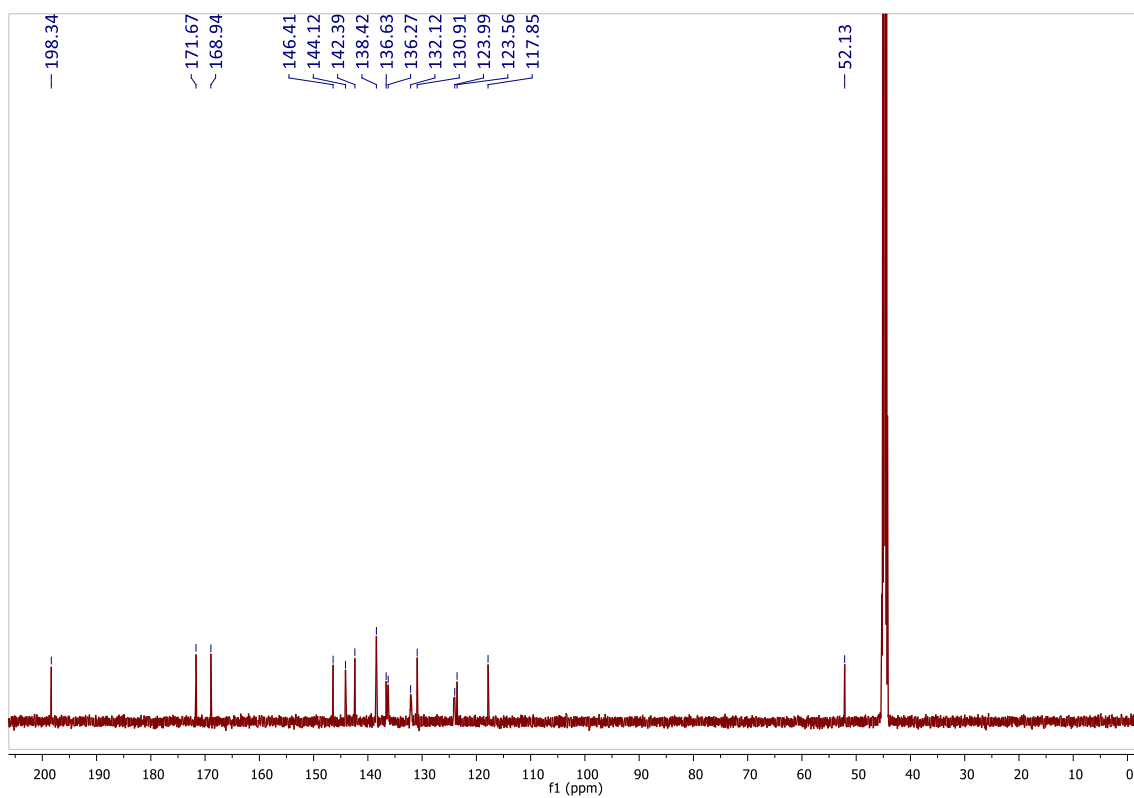


Figure S22. ¹³C NMR of **7i** in DMSO-*d*₆

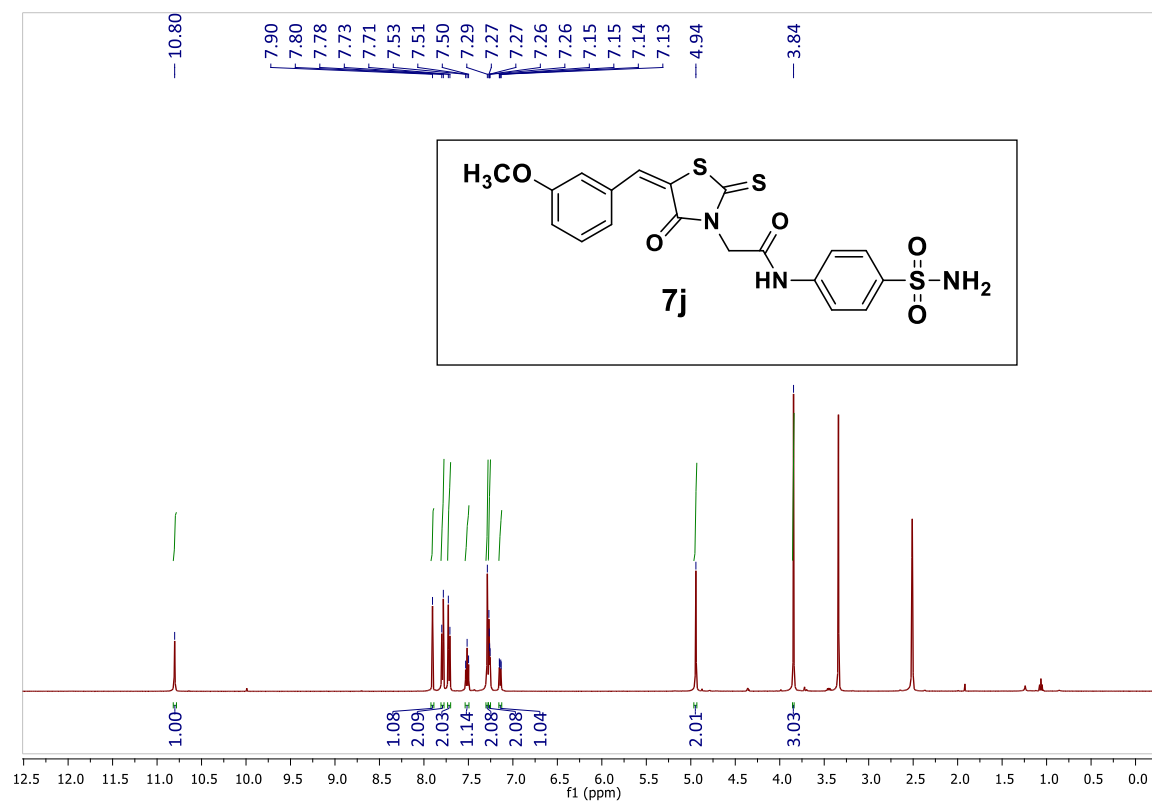


Figure S23. ¹H NMR of **7j** in DMSO-*d*₆

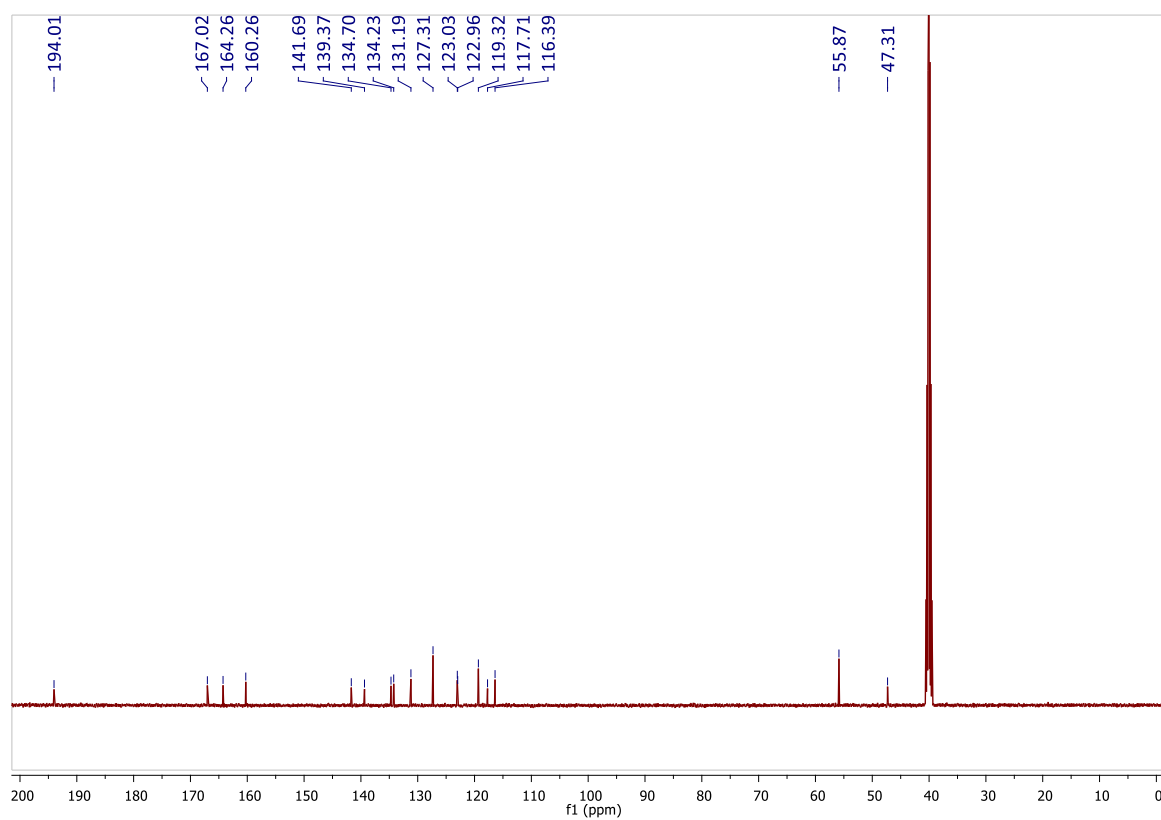


Figure S24. ¹³C NMR of **7j** in DMSO-*d*₆

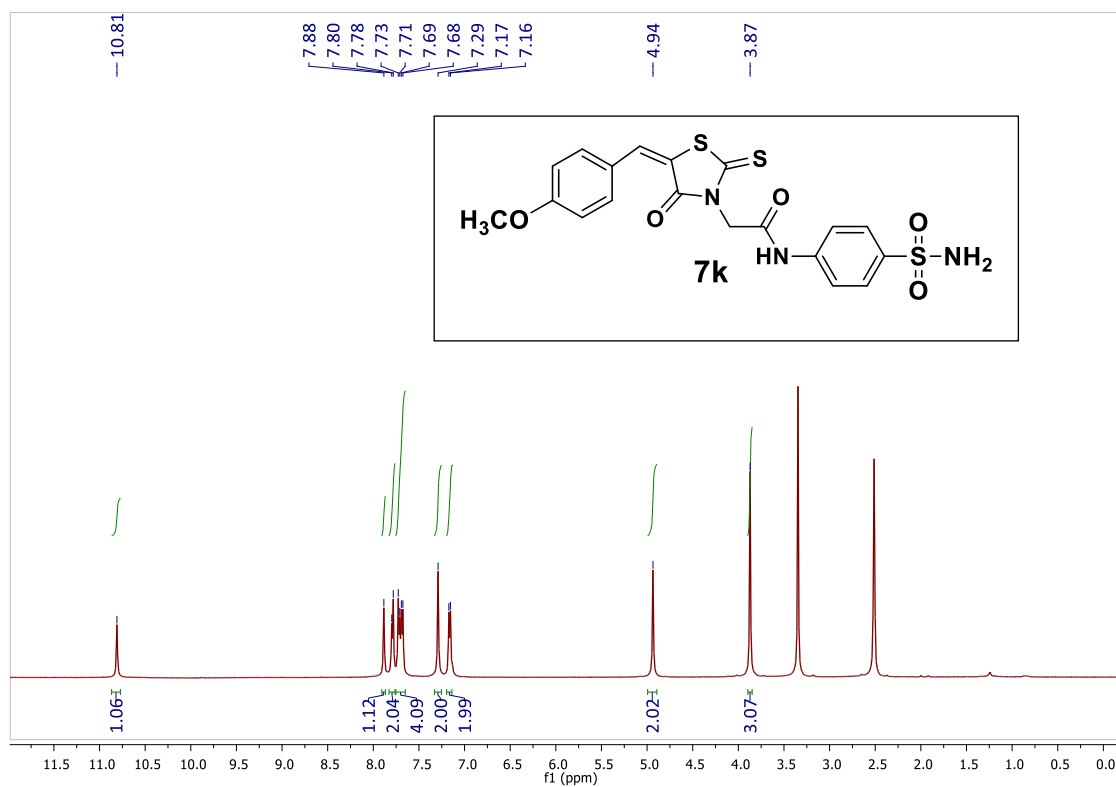


Figure S25. ¹H NMR of **7k** in DMSO-*d*₆

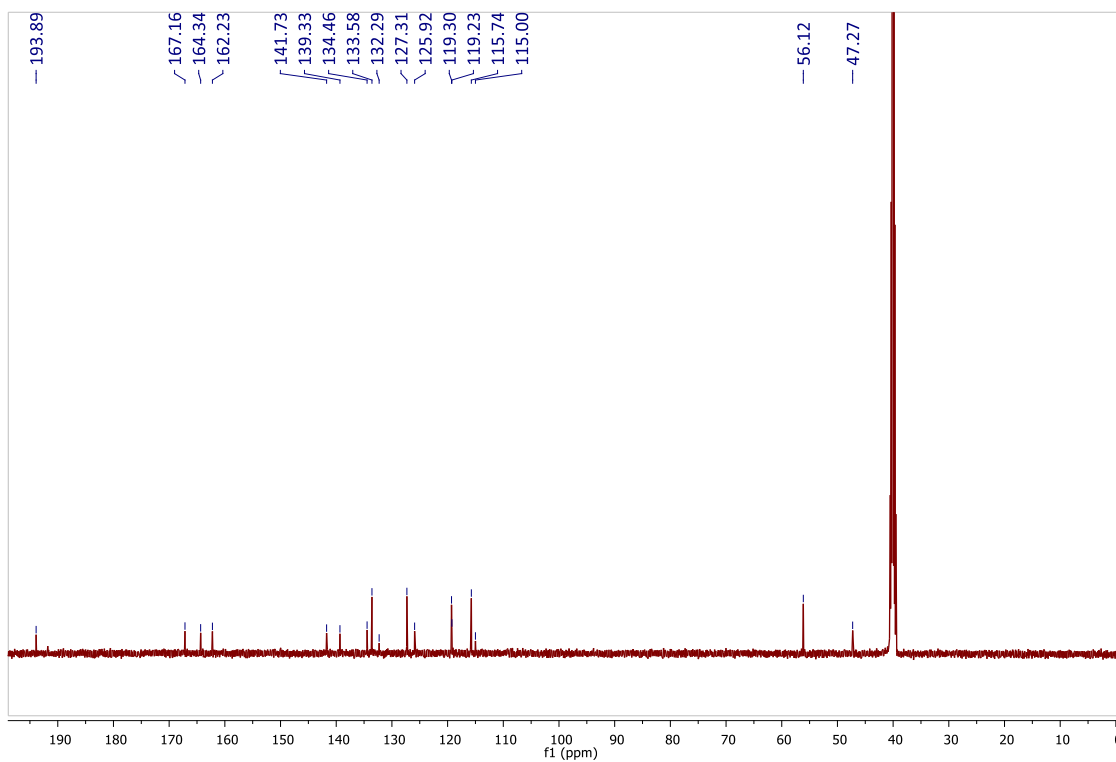


Figure S26. ¹³C NMR of **7k** in DMSO-*d*₆

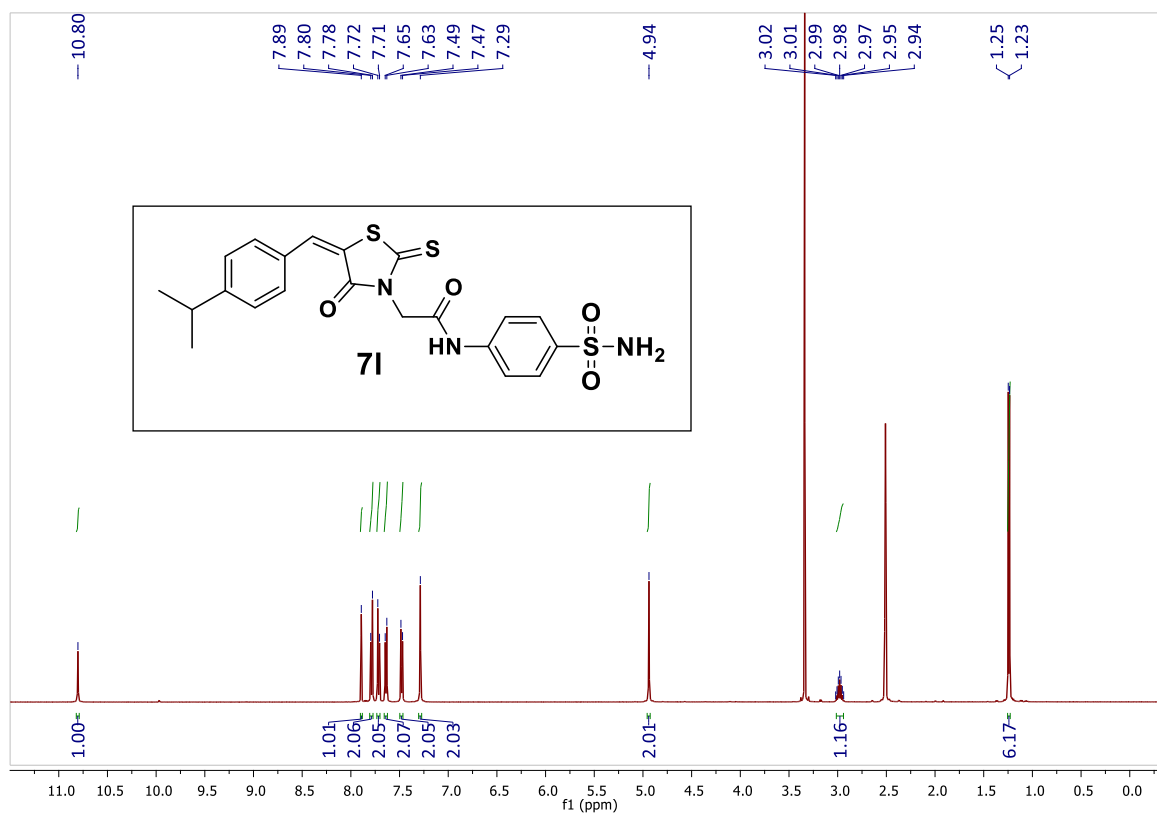


Figure S27. ¹H NMR of **7I** in DMSO-*d*₆

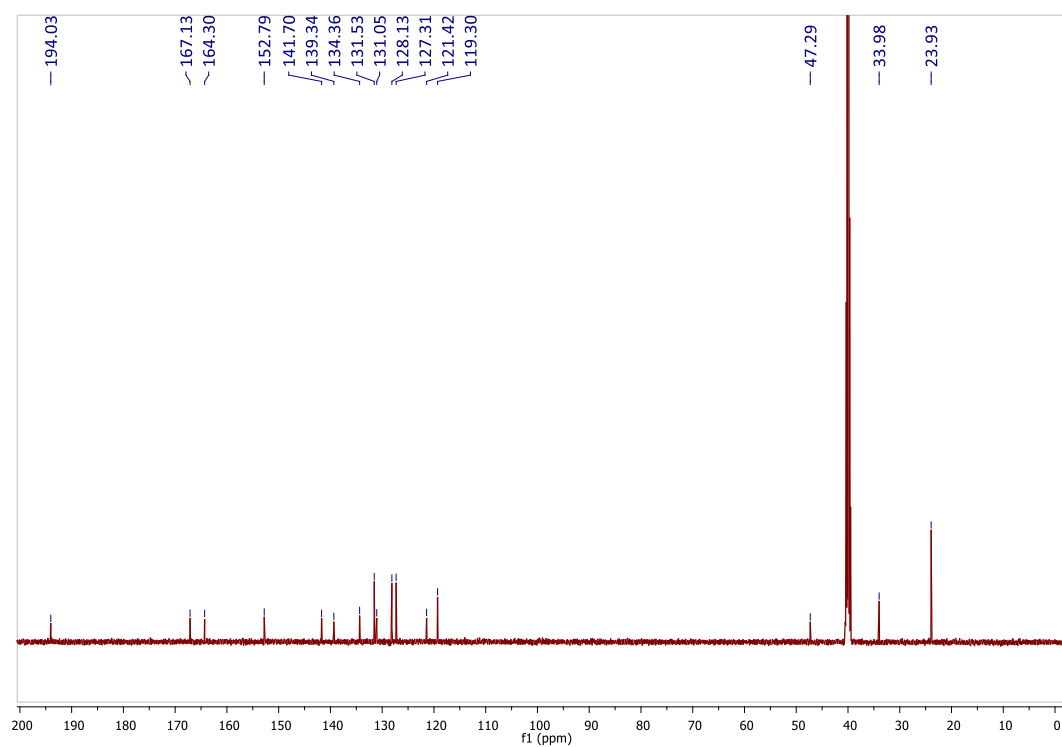


Figure S28. ¹³C NMR of **7I** in DMSO-*d*₆

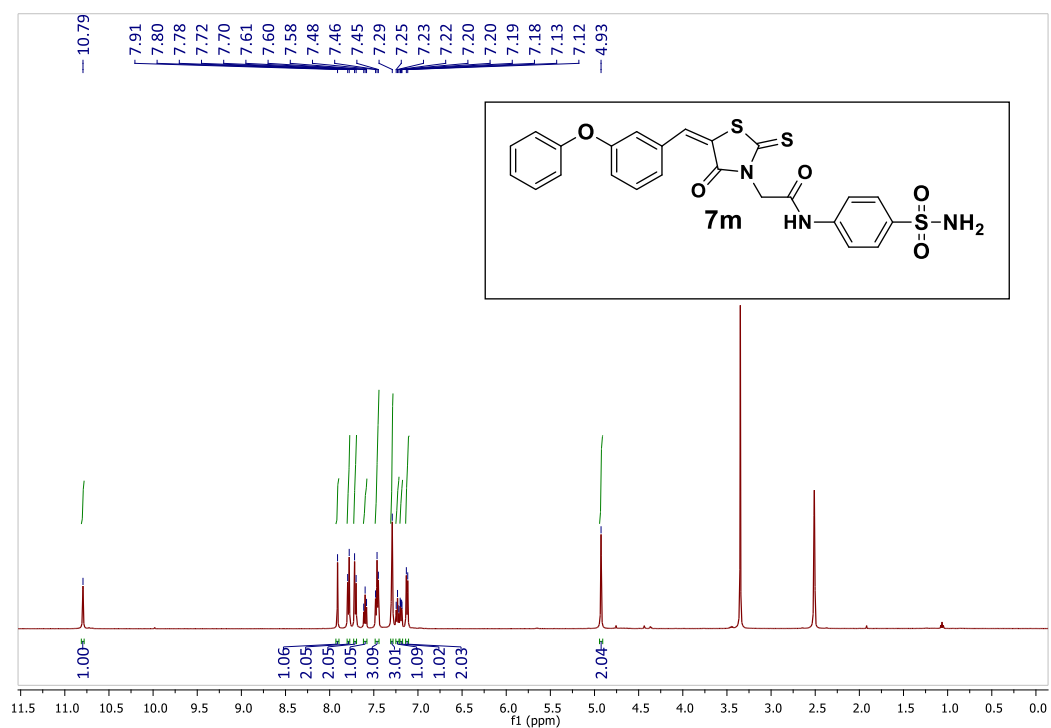


Figure S29. ¹H NMR of **7m** in DMSO-*d*₆

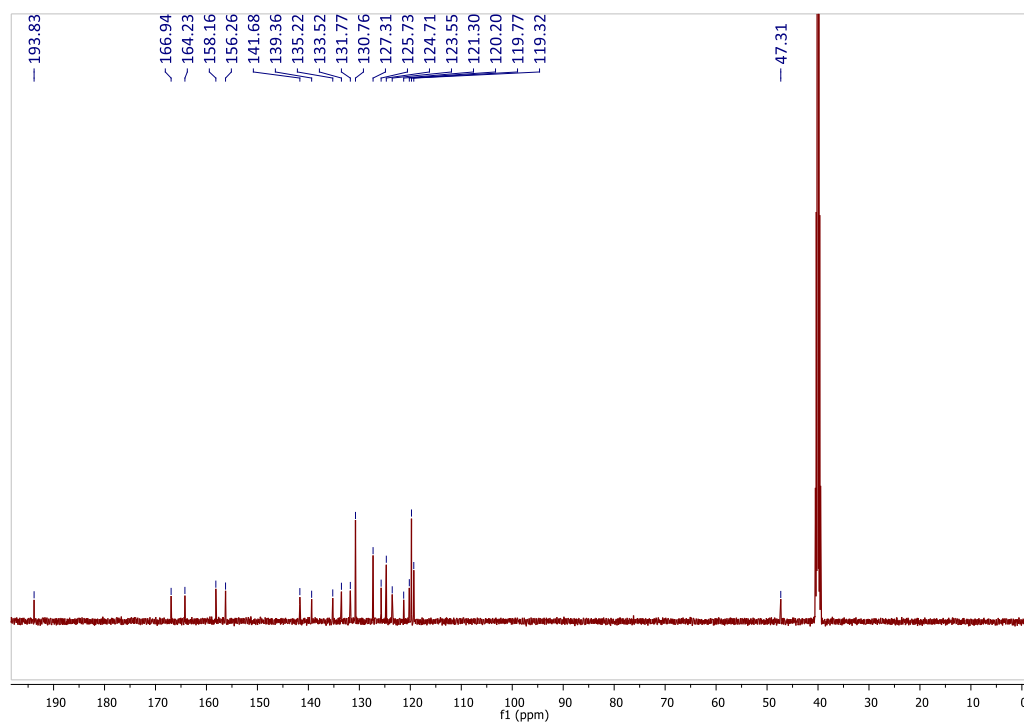


Figure S30. ¹³C NMR of **7m** in DMSO-*d*₆

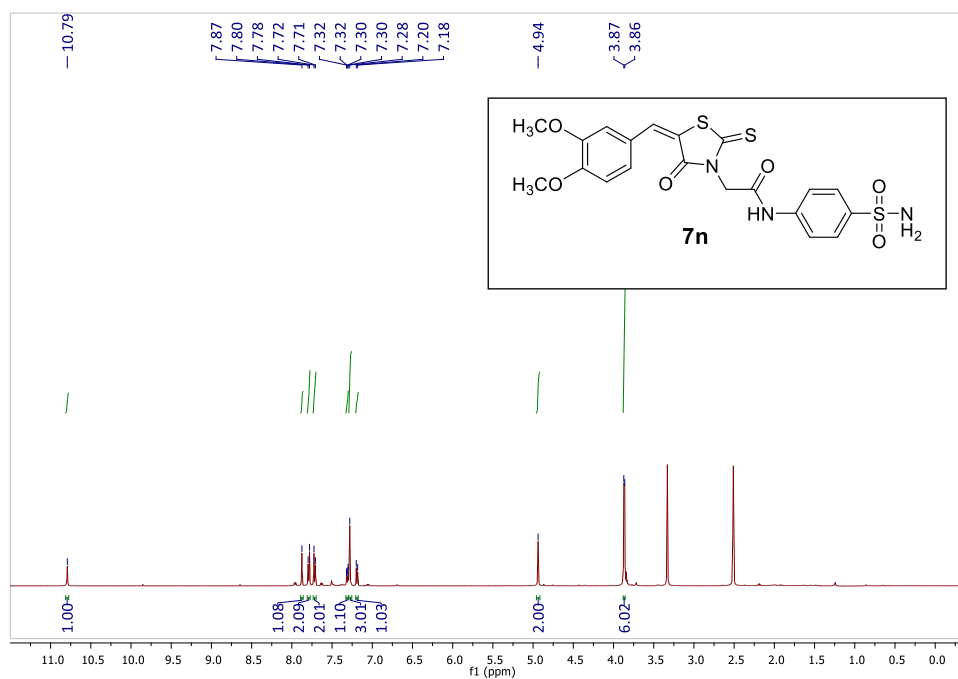


Figure S31. ¹H NMR of **7n** in DMSO-*d*₆

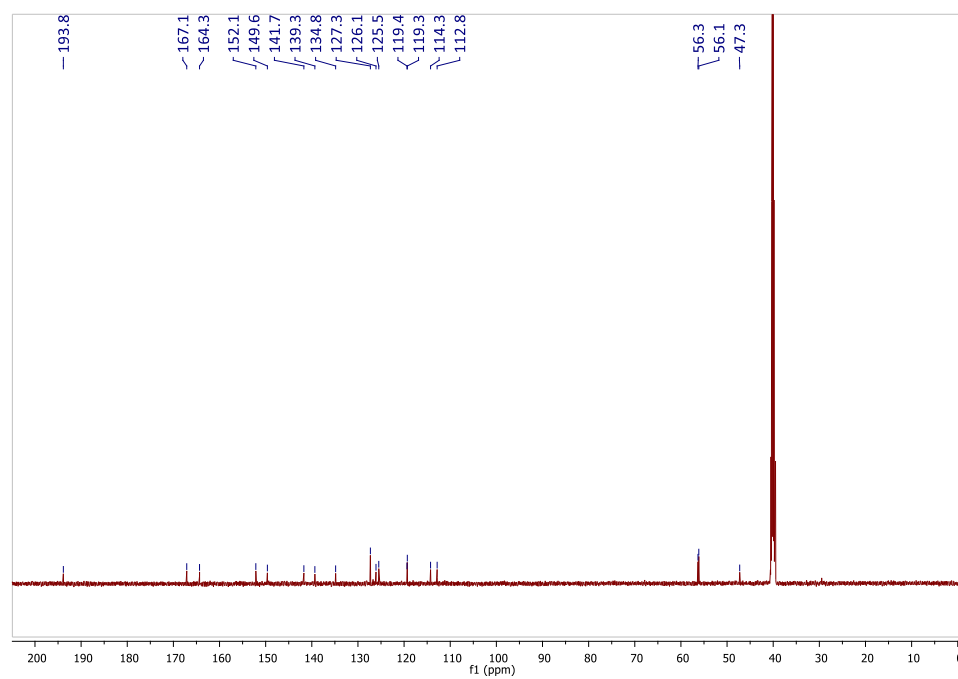


Figure S32. ¹³C NMR of **7n** in DMSO-*d*₆

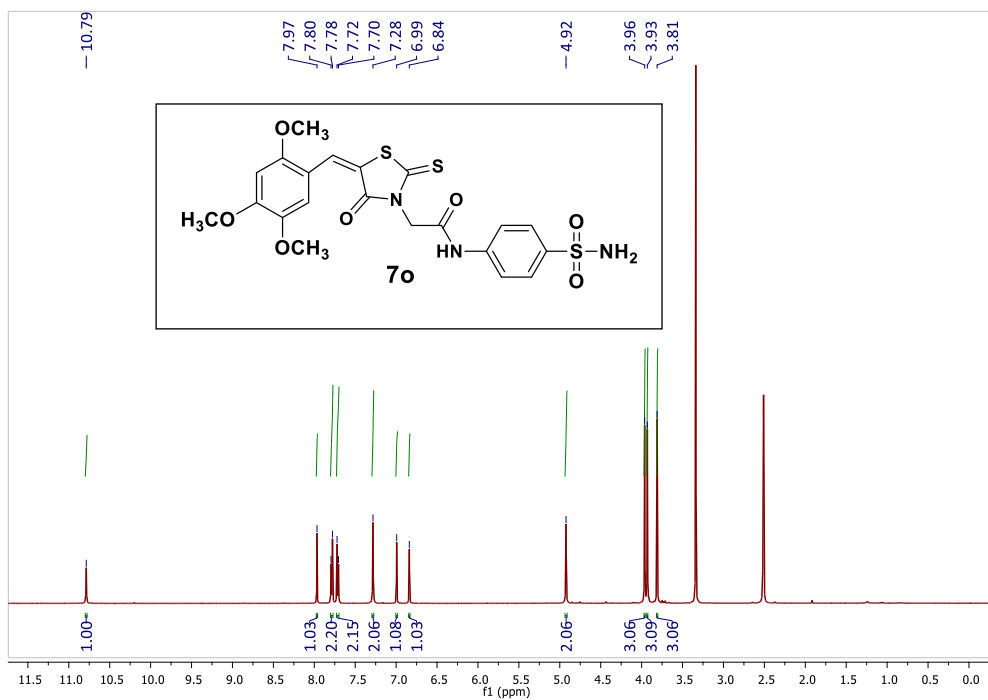


Figure S33. ¹H NMR of **7o** in DMSO-*d*₆

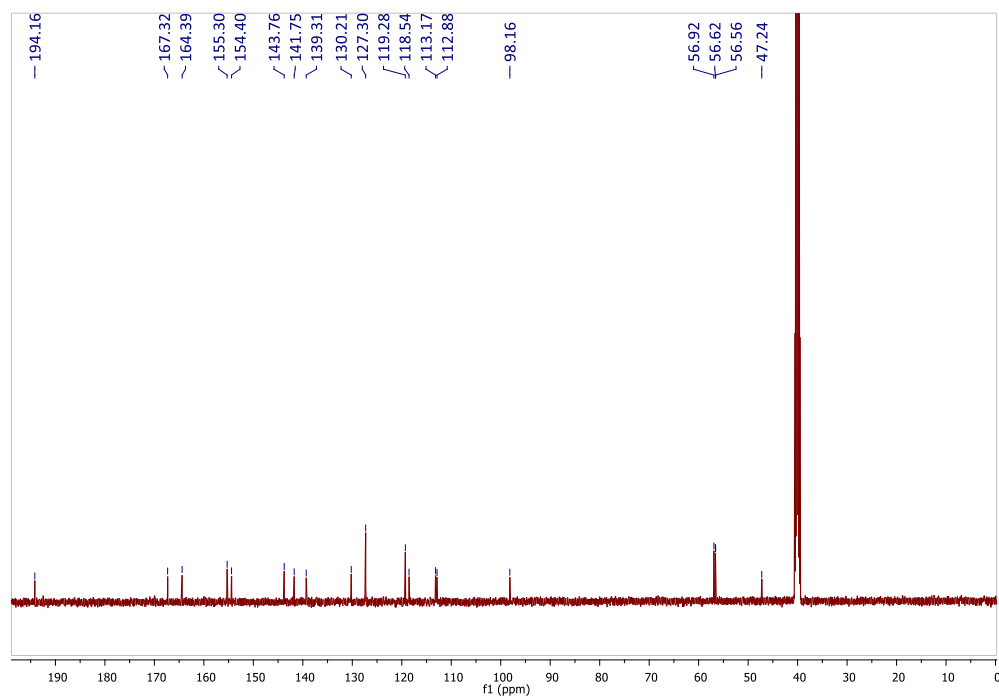


Figure S34. ¹³C NMR of **7o** in DMSO-*d*₆

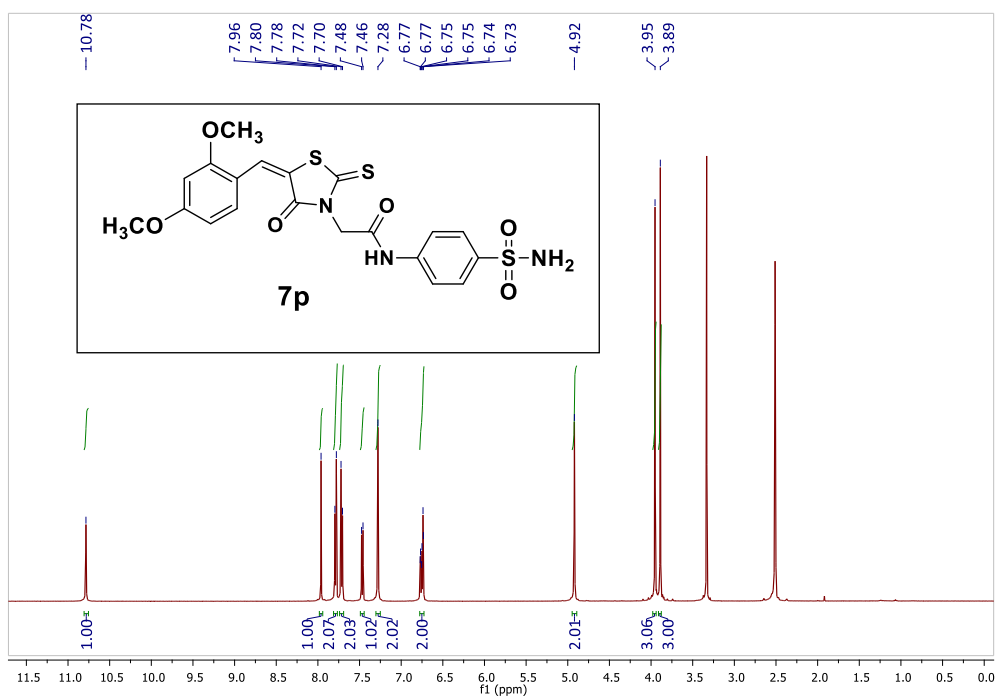


Figure S35. ¹H NMR of **7p** in DMSO-*d*₆

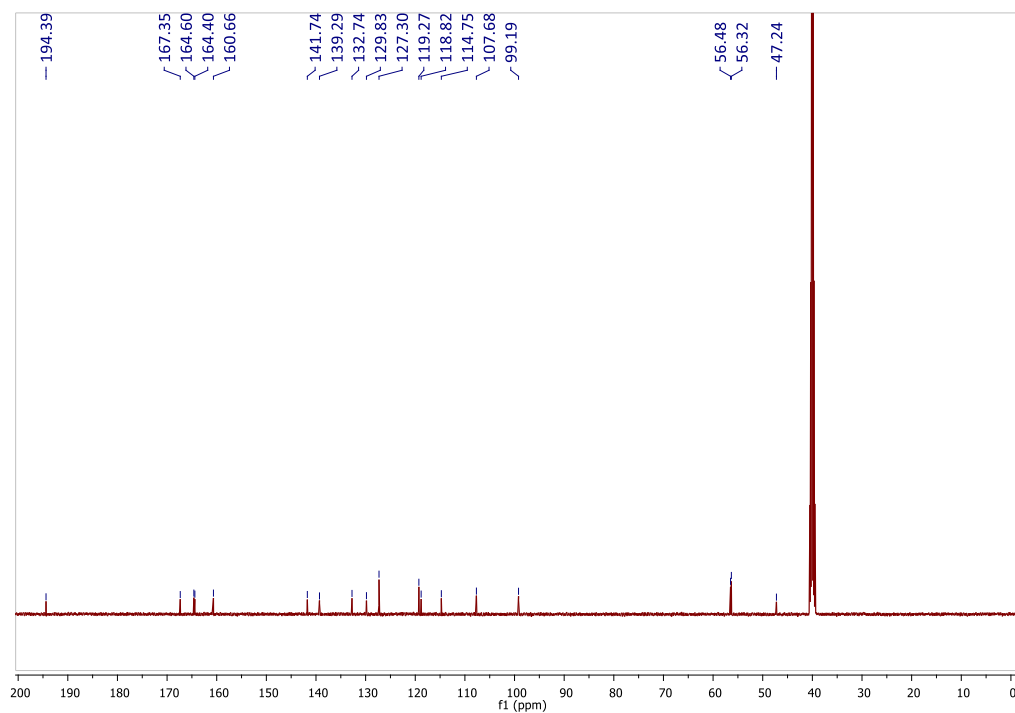


Figure S36. ¹³C NMR of **7p** in DMSO-*d*₆

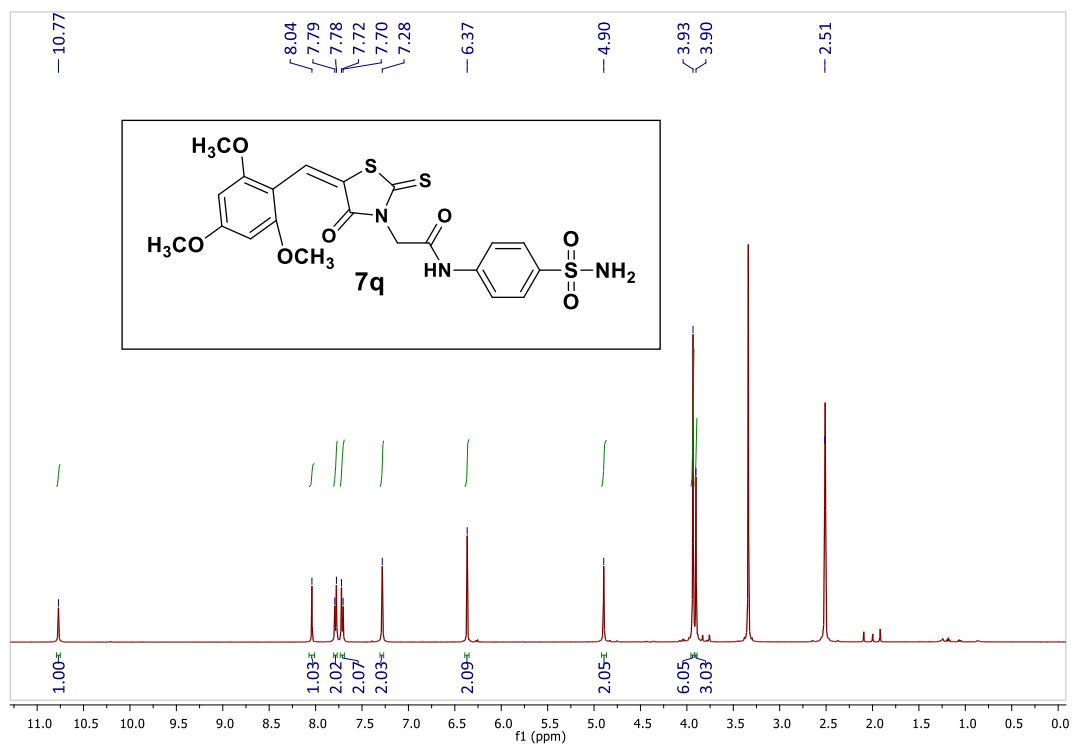


Figure S37. ¹H NMR of **7q** in DMSO-*d*₆

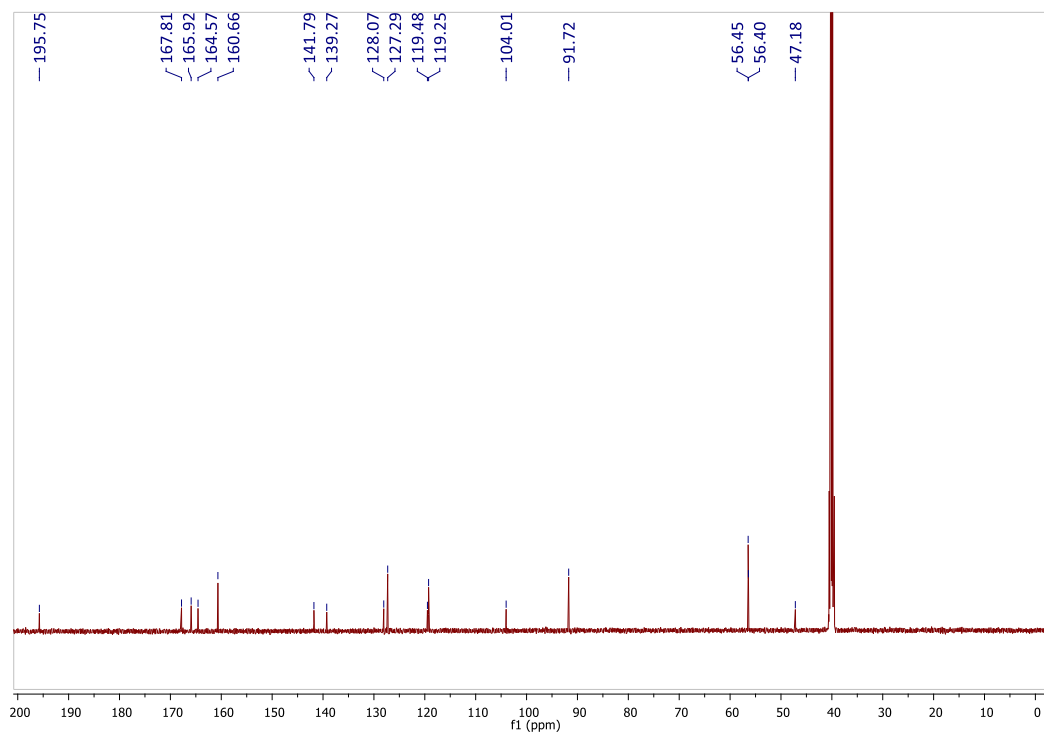


Figure S38. ¹³C NMR of **7q** in DMSO-*d*₆

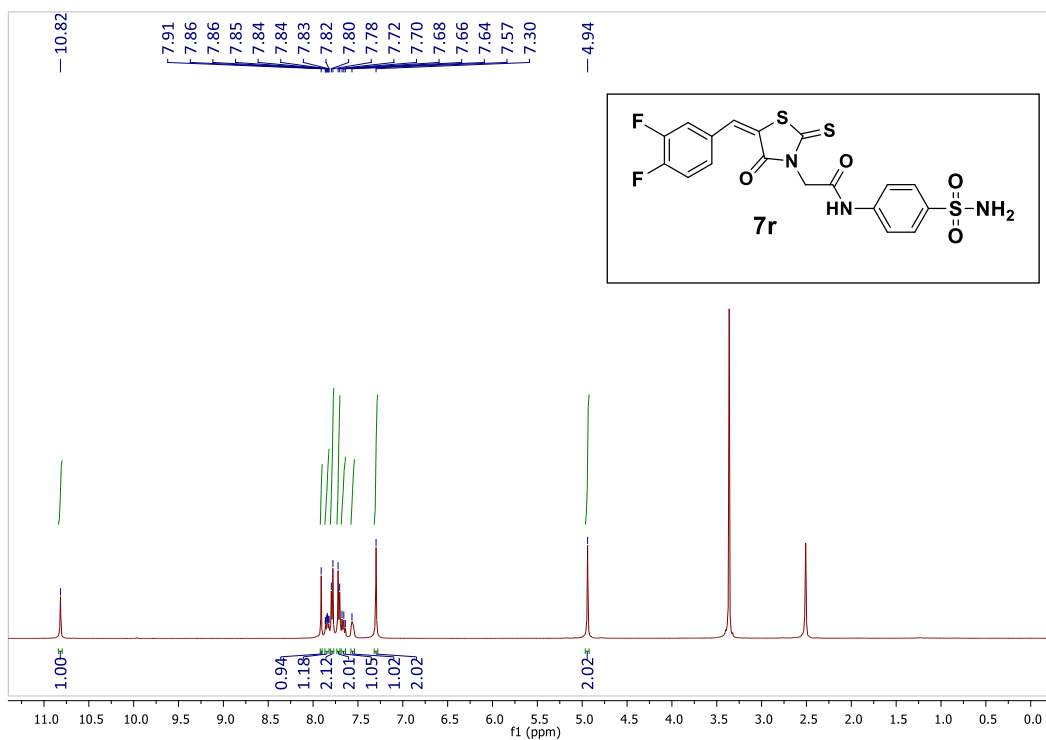


Figure S39. ¹H NMR of **7r** in DMSO-*d*₆

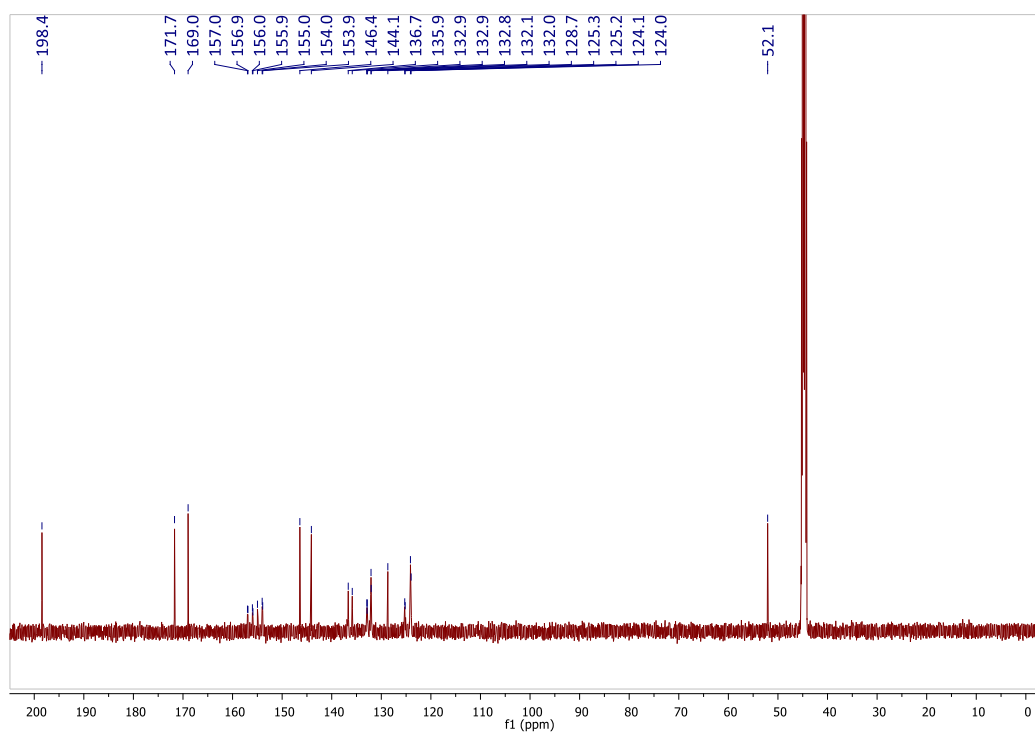


Figure S40. ¹³C NMR of **7r** in DMSO-*d*₆

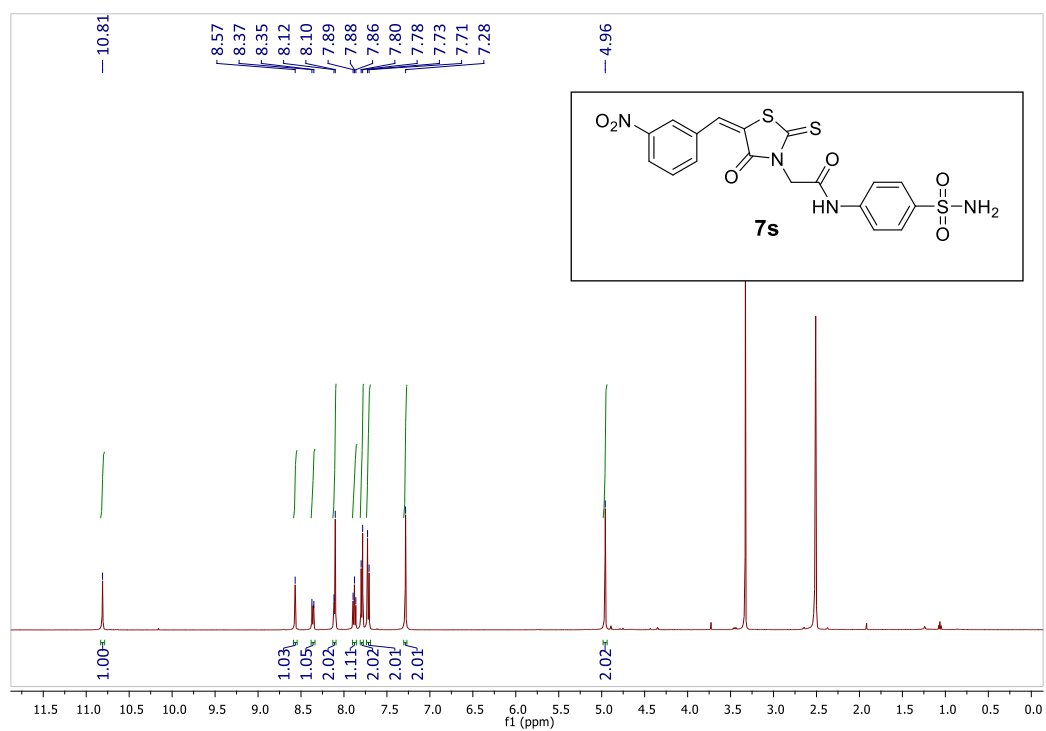


Figure S41. ¹H NMR of **7s** in DMSO-*d*₆

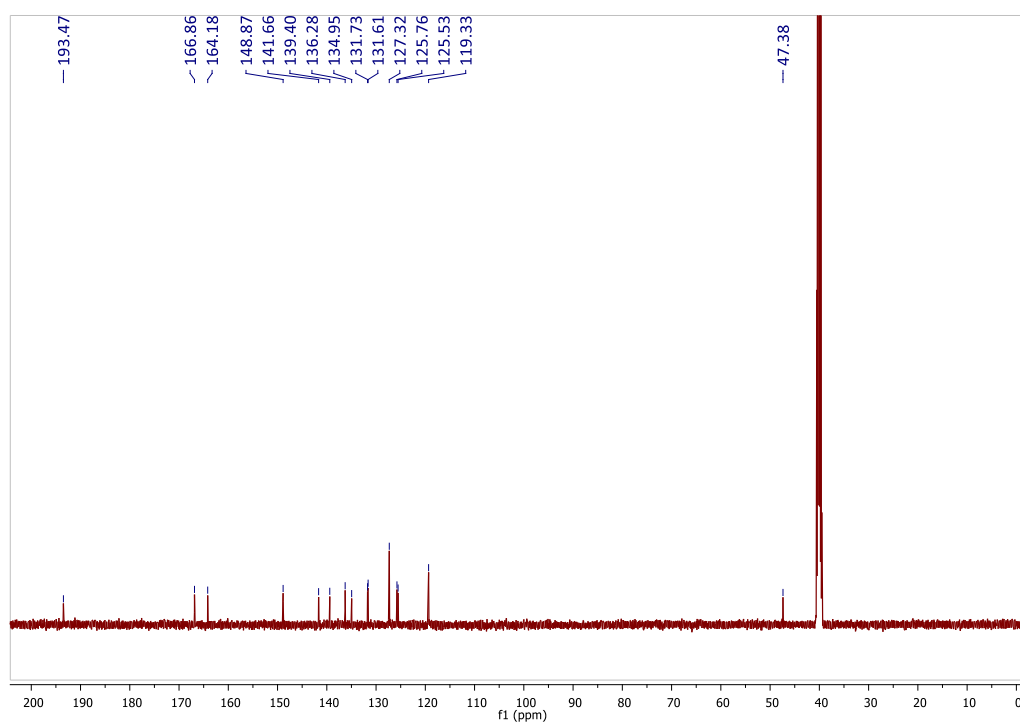


Figure S42. ¹³C NMR of **7s** in DMSO-*d*₆

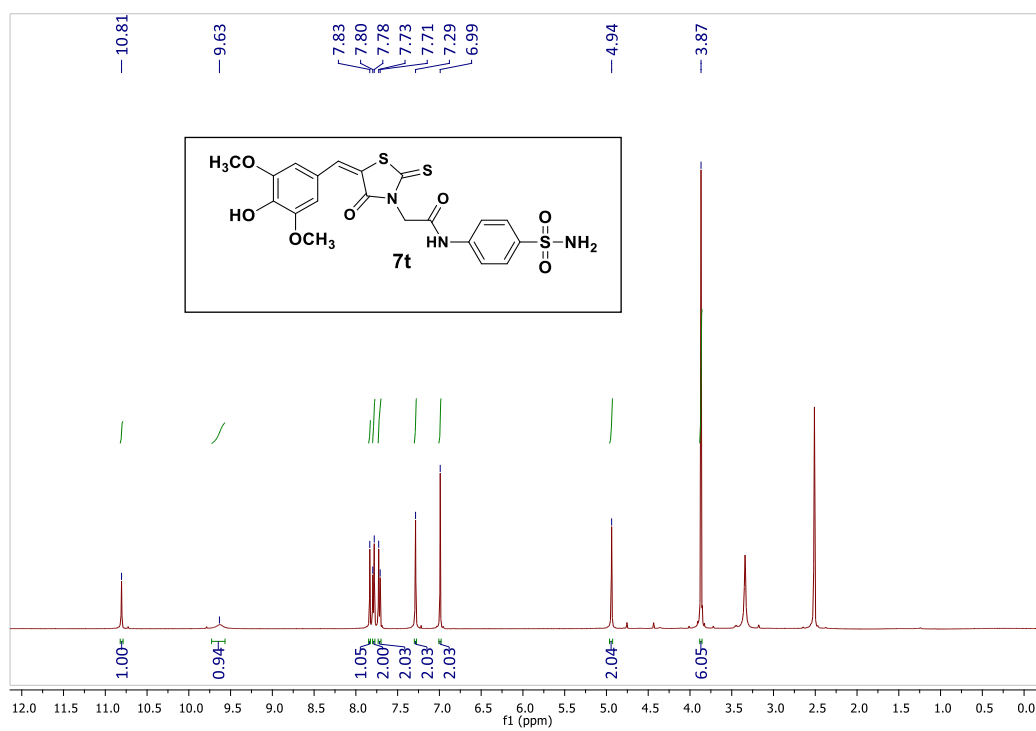


Figure S43. ¹H NMR of **7t** in DMSO-*d*₆

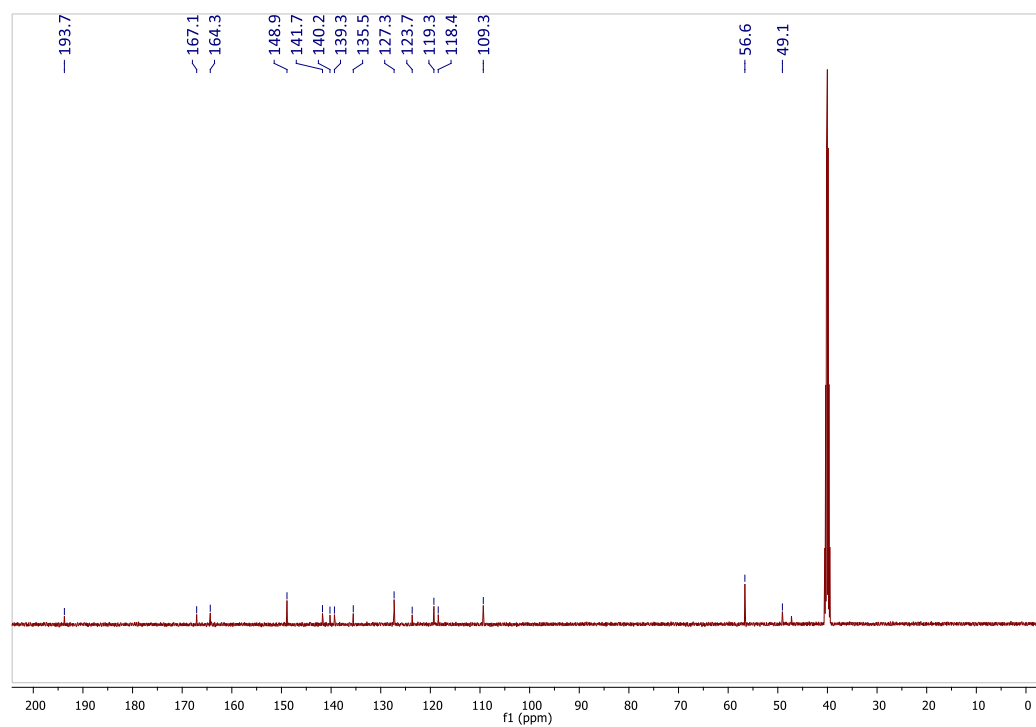


Figure S44. ¹³C NMR of **7t** in DMSO-*d*₆

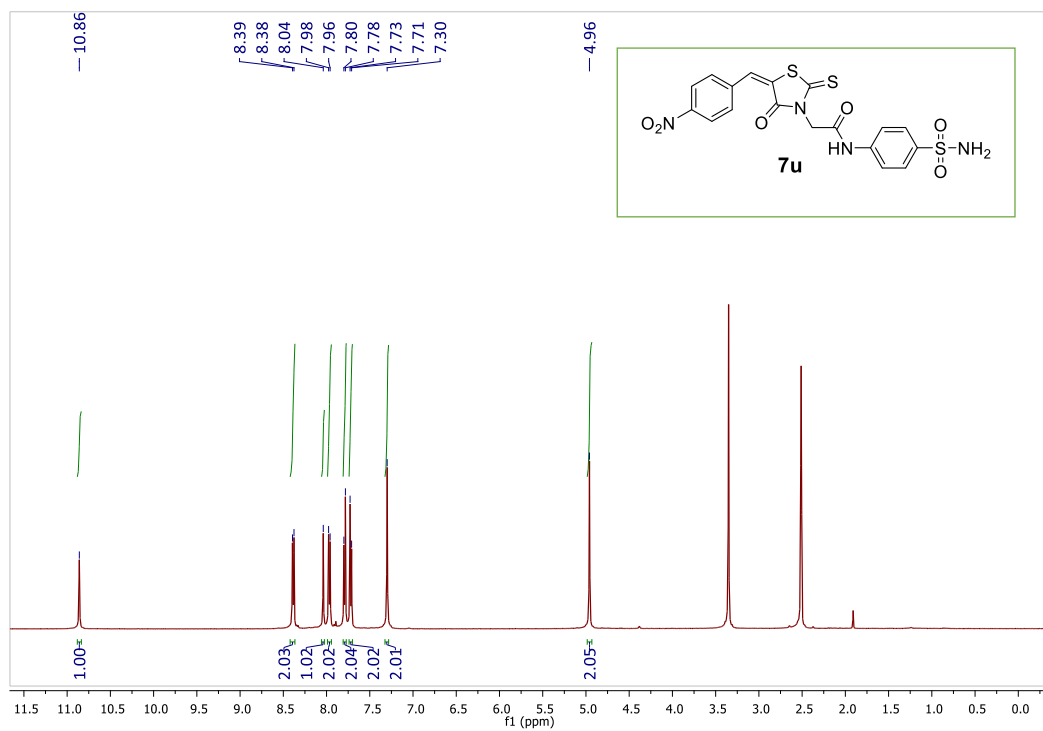


Figure S45. ¹H NMR of **7u** in DMSO-*d*₆

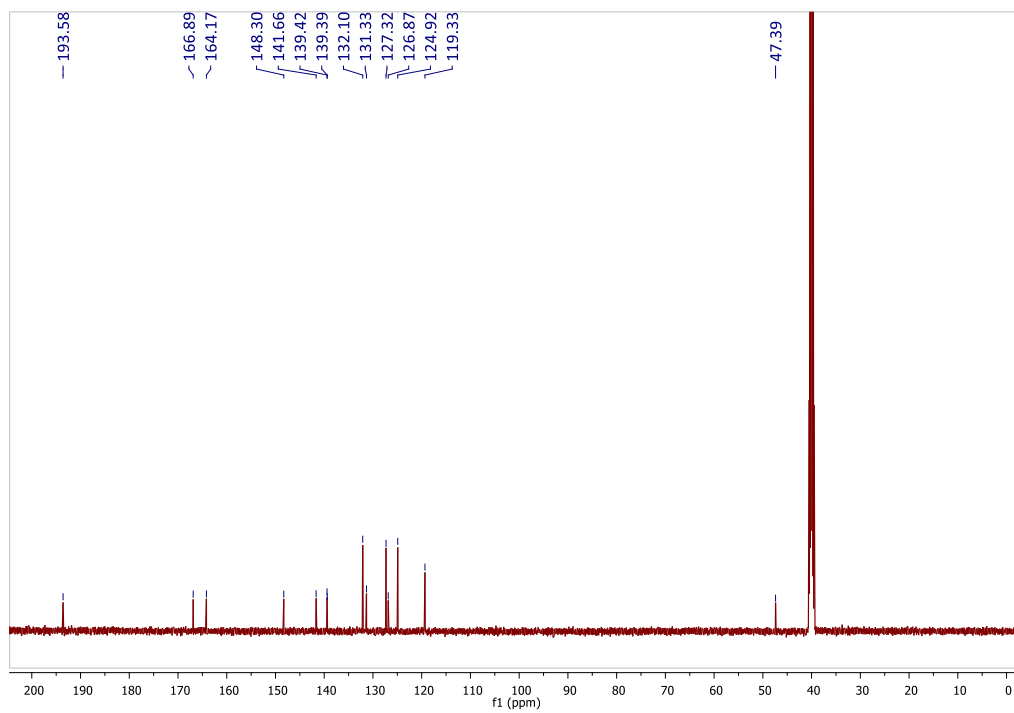


Figure S46. ¹³C NMR of **7u** in DMSO-*d*₆

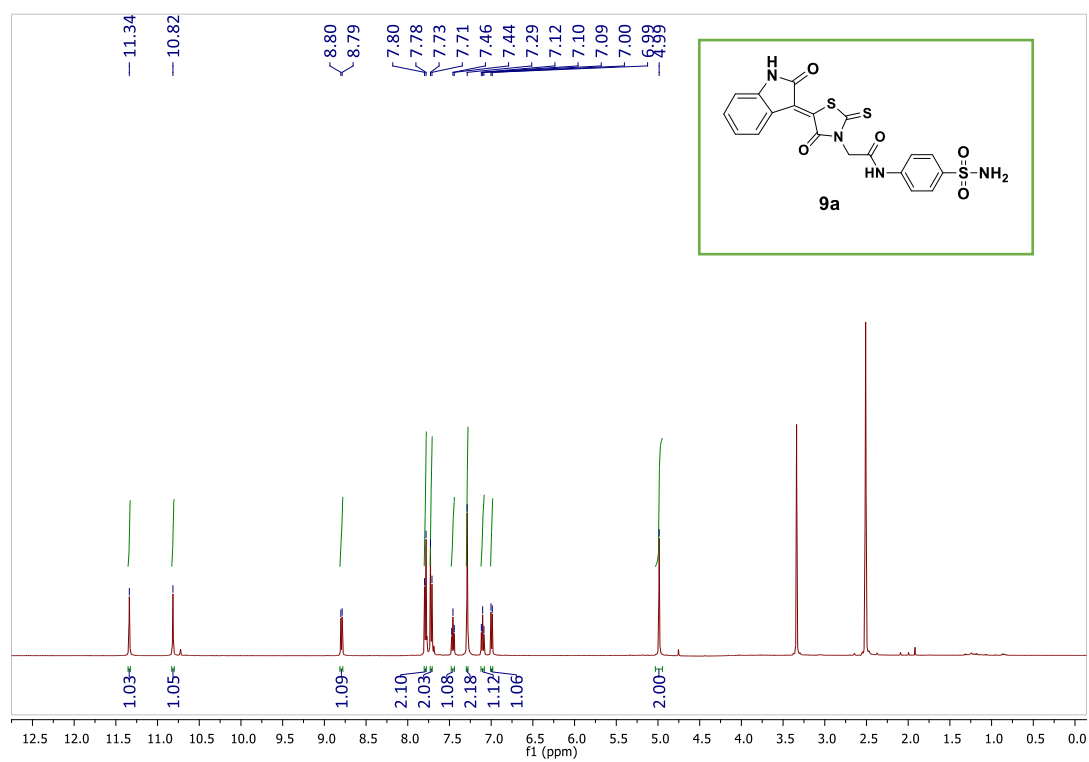


Figure S47. ¹H NMR of **9a** in DMSO-*d*₆

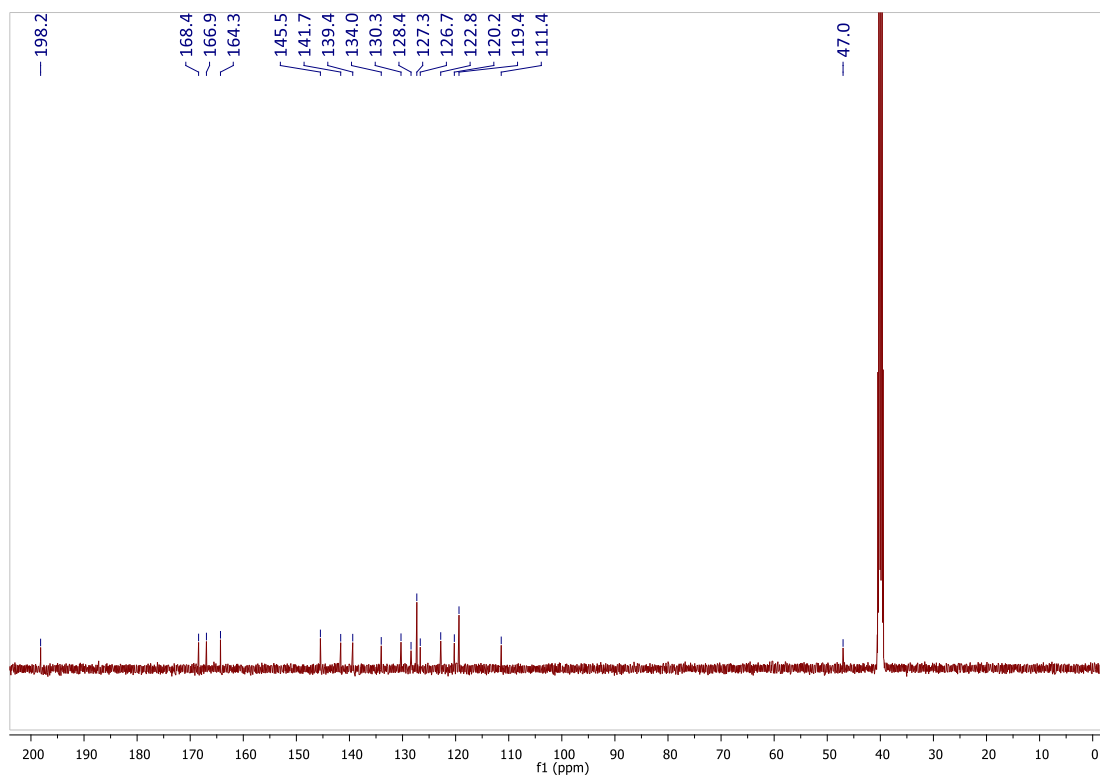


Figure S48. ¹³C NMR of **9a** in DMSO-*d*₆

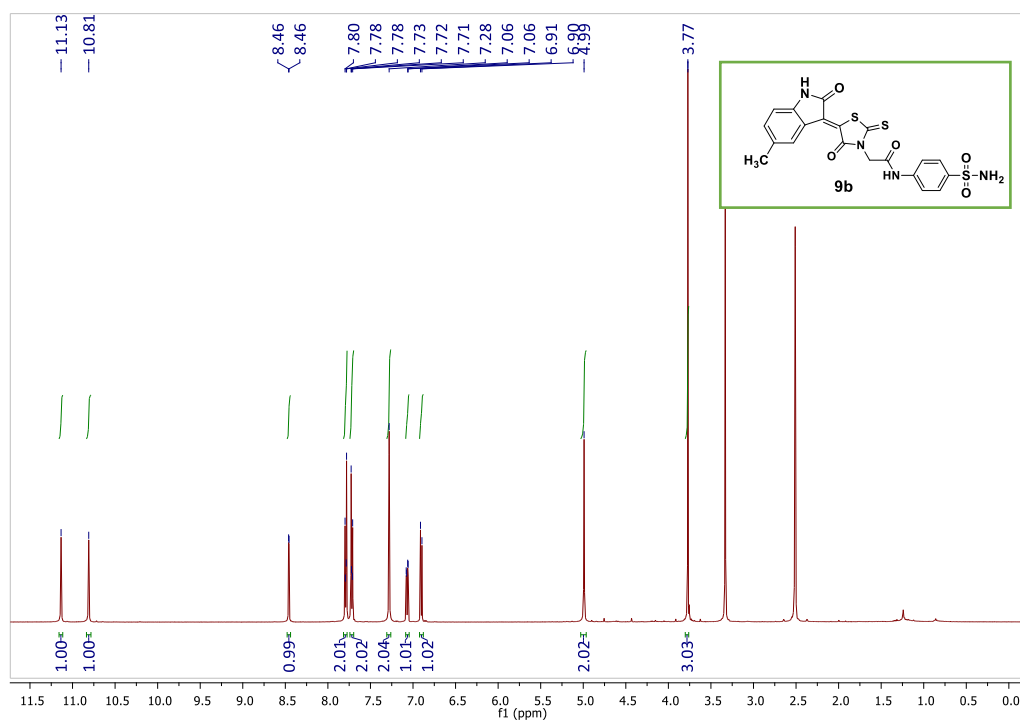


Figure S49. ¹H NMR of **9b** in DMSO-*d*₆

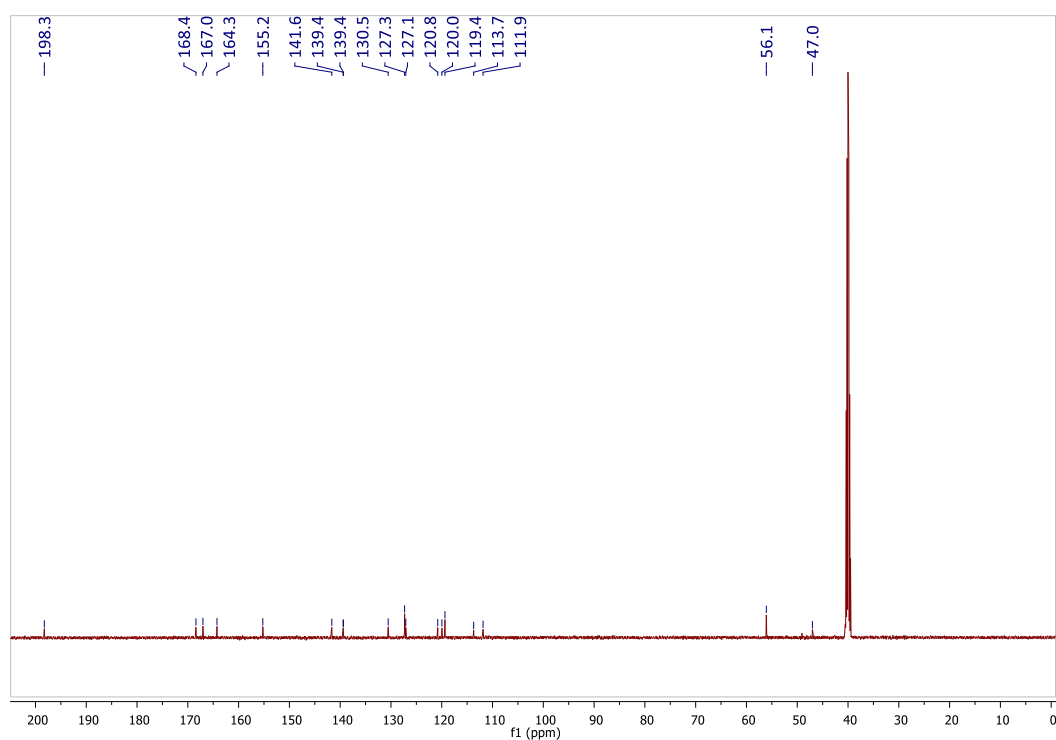


Figure S50. ¹³C NMR of **9b** in DMSO-*d*₆

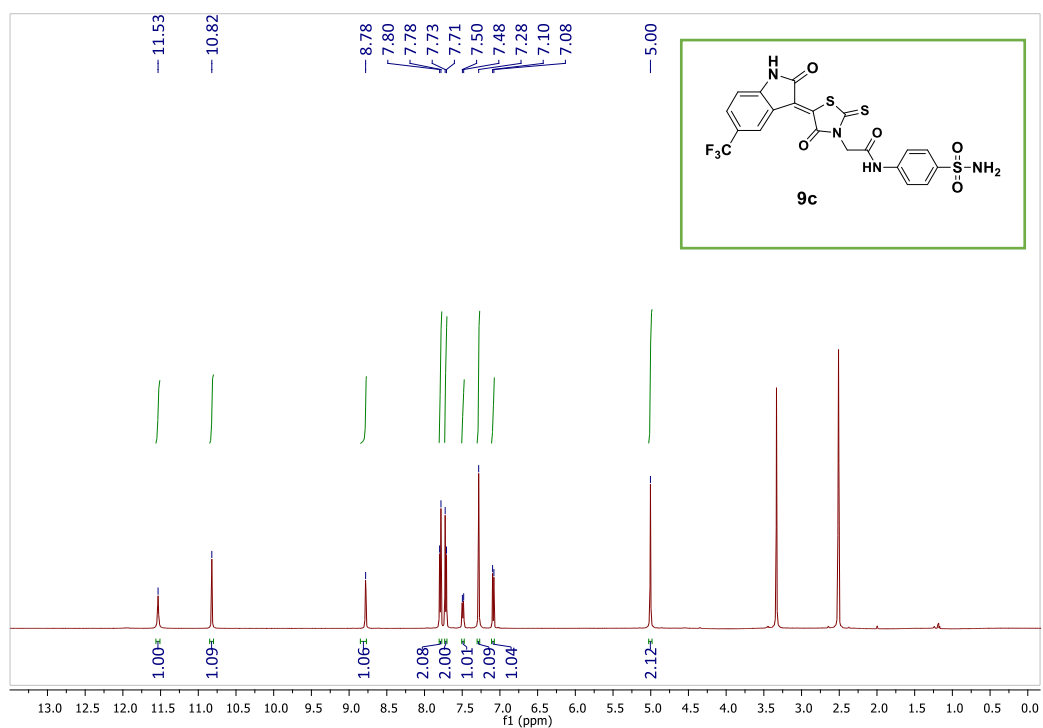


Figure S51. ¹H NMR of **9c** in DMSO-*d*₆

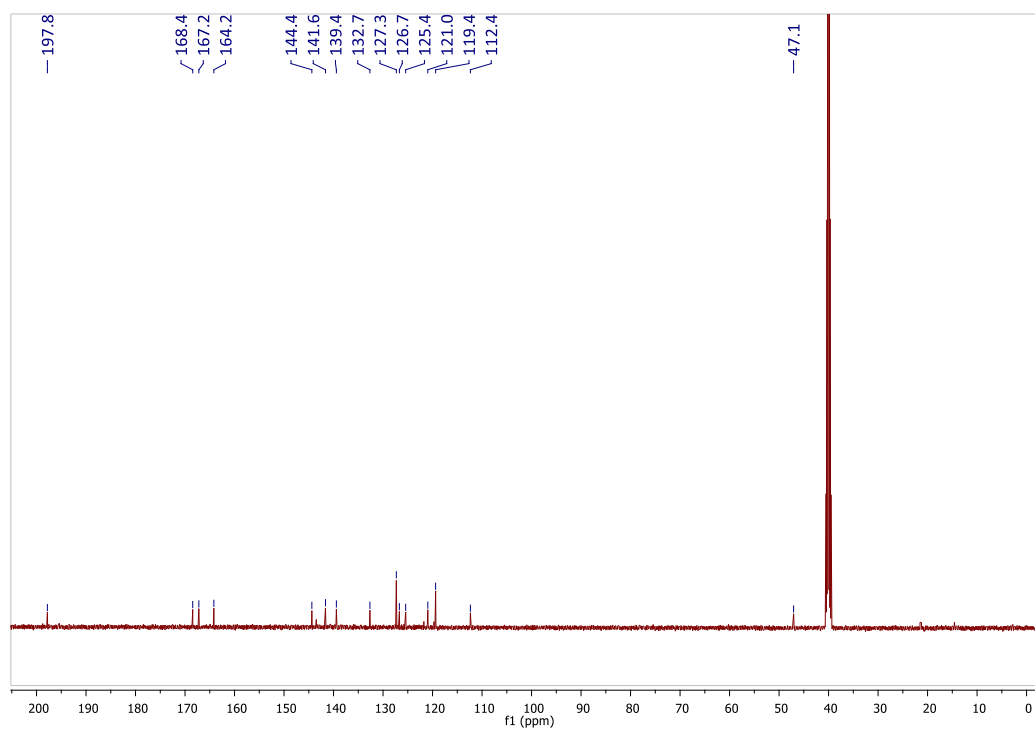


Figure S52. ¹³C NMR of **9c** in DMSO-*d*₆

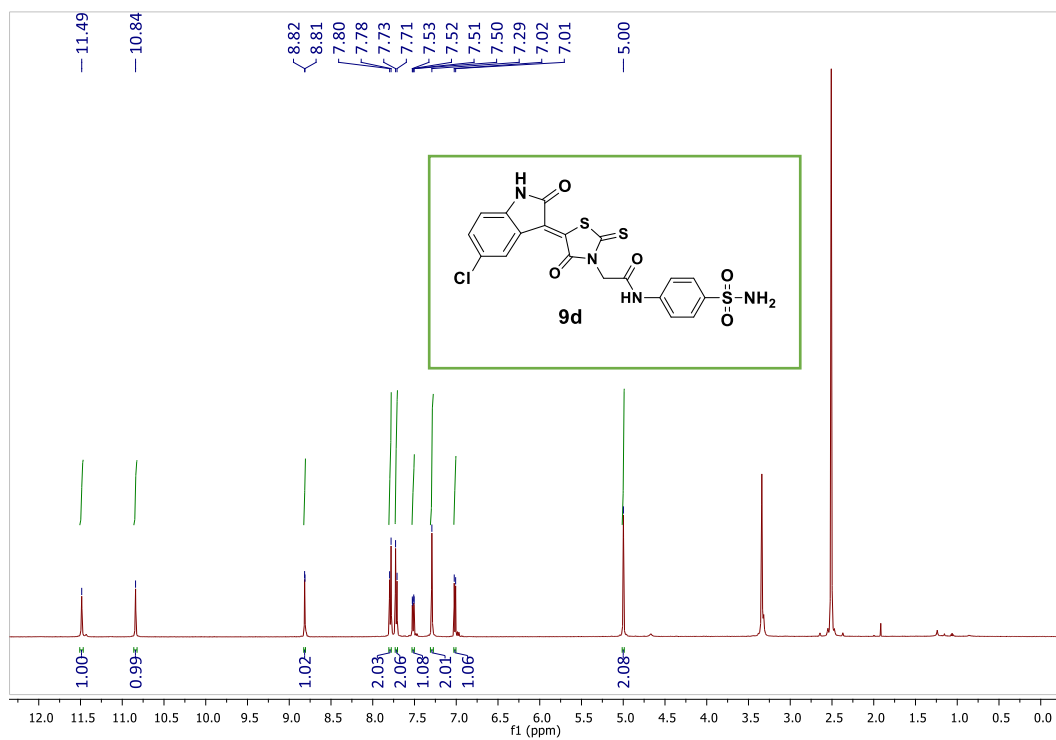


Figure S53. ¹H NMR of **9d** in DMSO-*d*₆

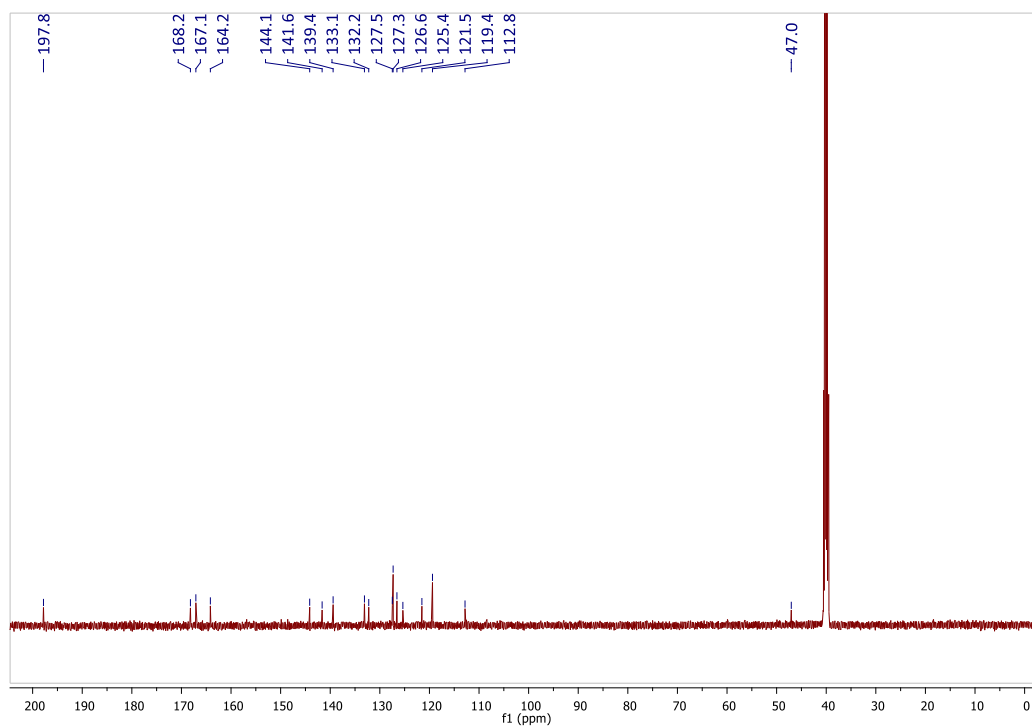


Figure S54. ¹³C NMR of **9d** in DMSO-*d*₆