

Supplementary Data

Sphaerostilbellins, new antimicrobial aminolipopeptides from *Sphaerostilbella toxica*

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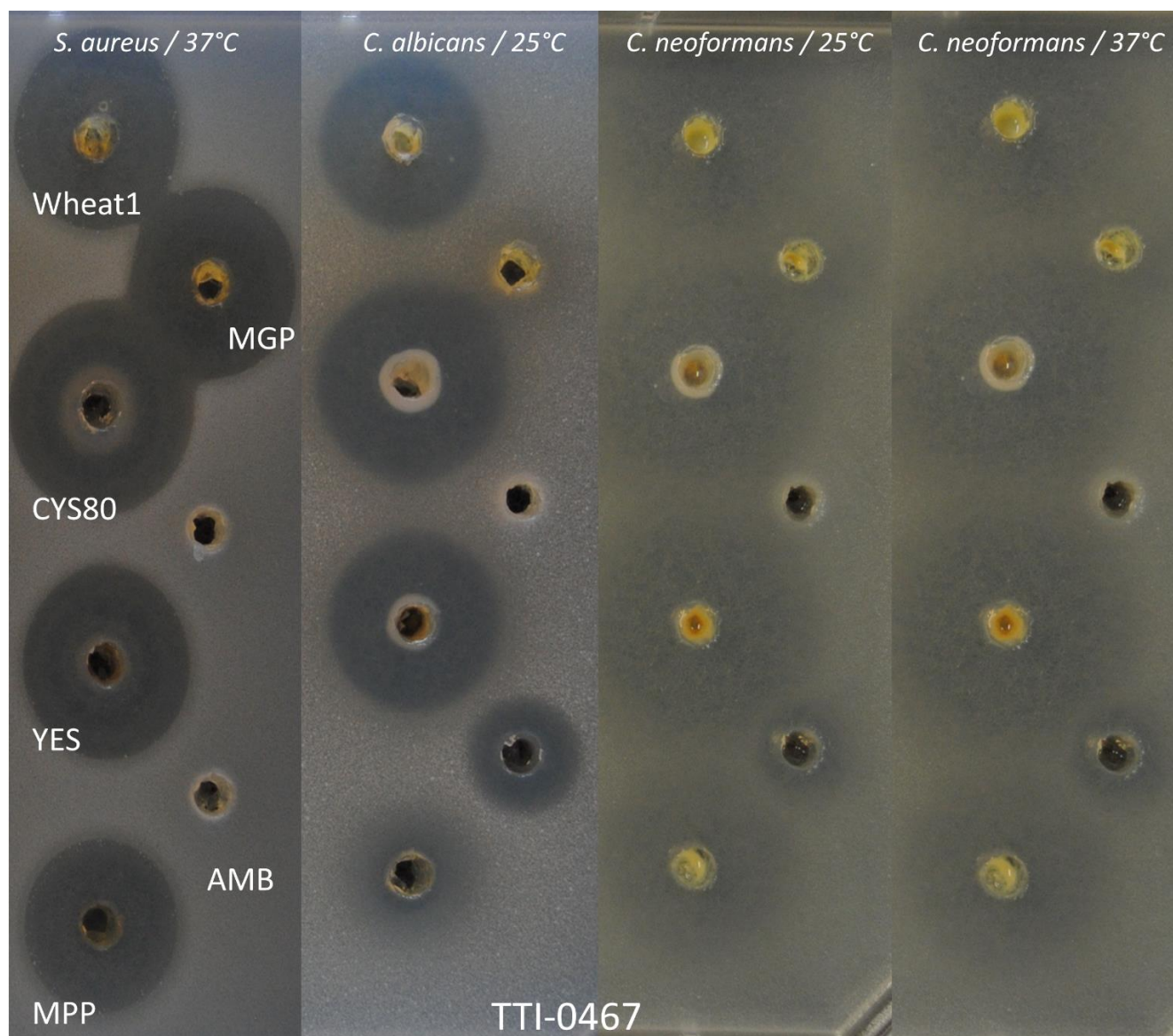


Figure S1. Zone of inhibition assay of extracts from strain TTI-0467 cultured in five different media against *C. neoformans* at 37 °C. See Methods for media formulations.

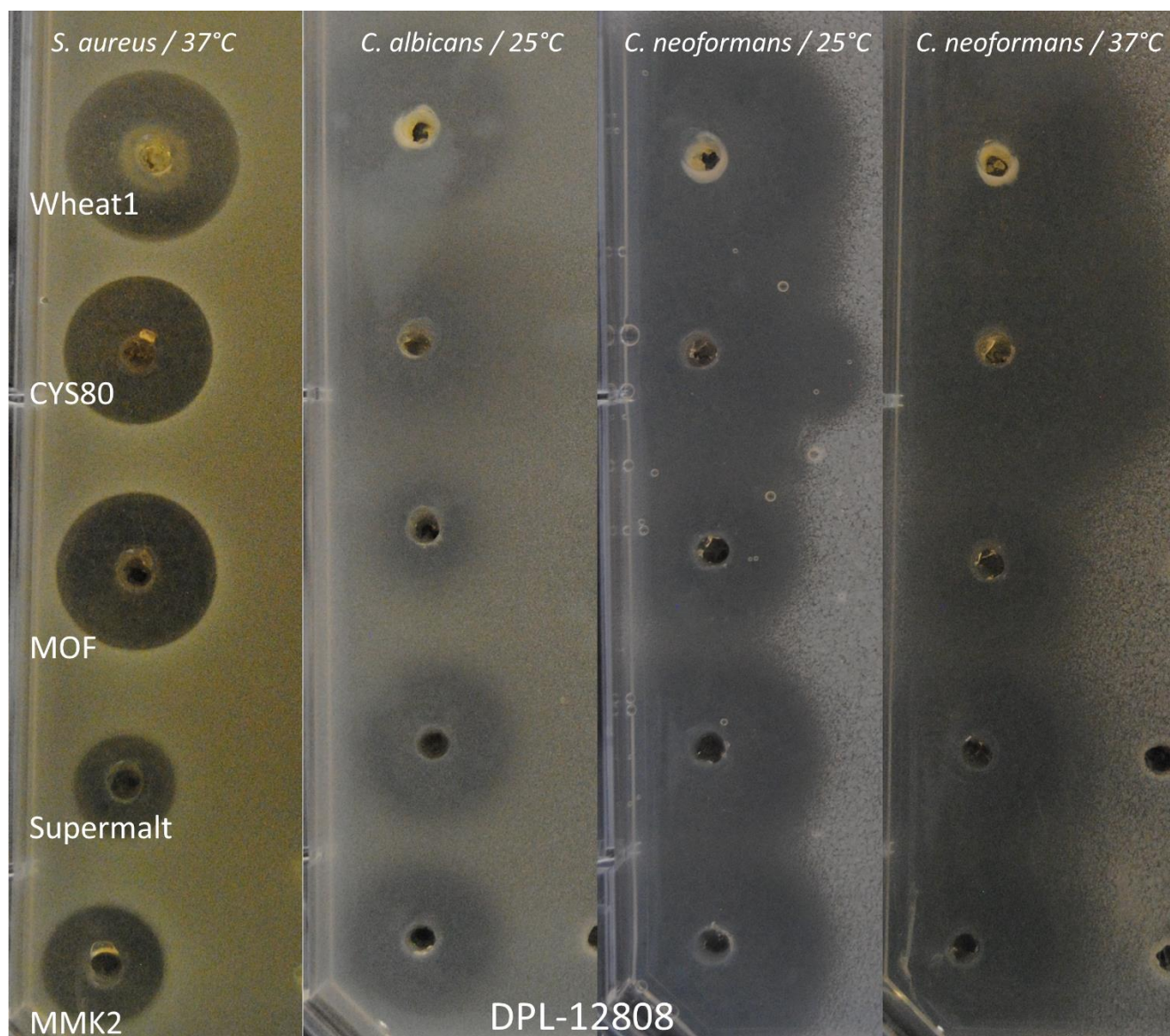


Figure S2. Zone of inhibition assay of extracts from strain DPL-12808 cultured in five different media against *C. neoformans* at 37 °C. See Methods for media formulations.

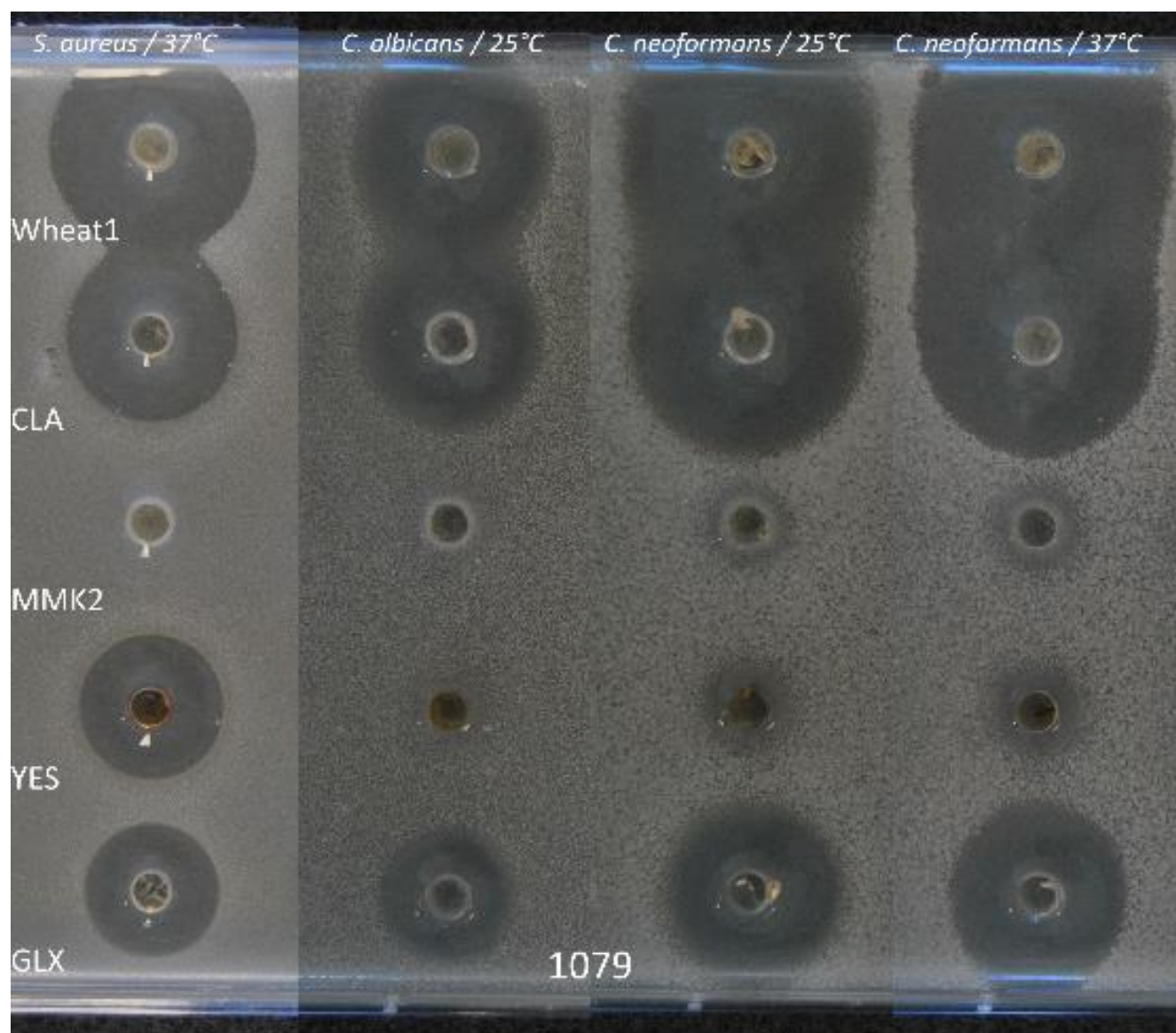


Figure S3. Zone of inhibition assay of extracts of strain TTI-1079 cultured in five different media against *C. neoformans* at 37 °C. See Methods for media formulations.

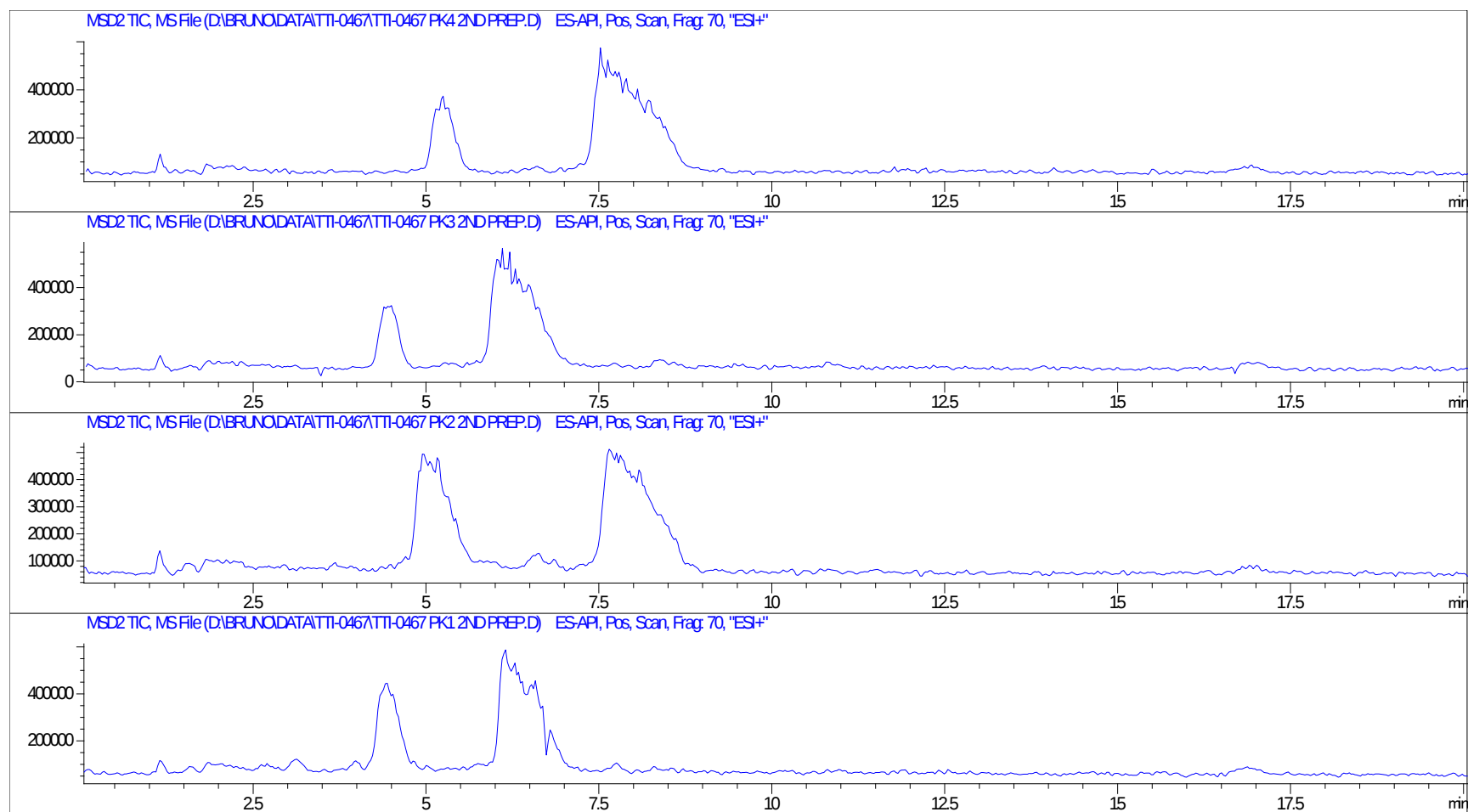


Figure S4. LC-MS of peaks 1-4 after semi-preparative HPLC isolation, highlighting the interconversion of peaks 1-3 and 2-4.

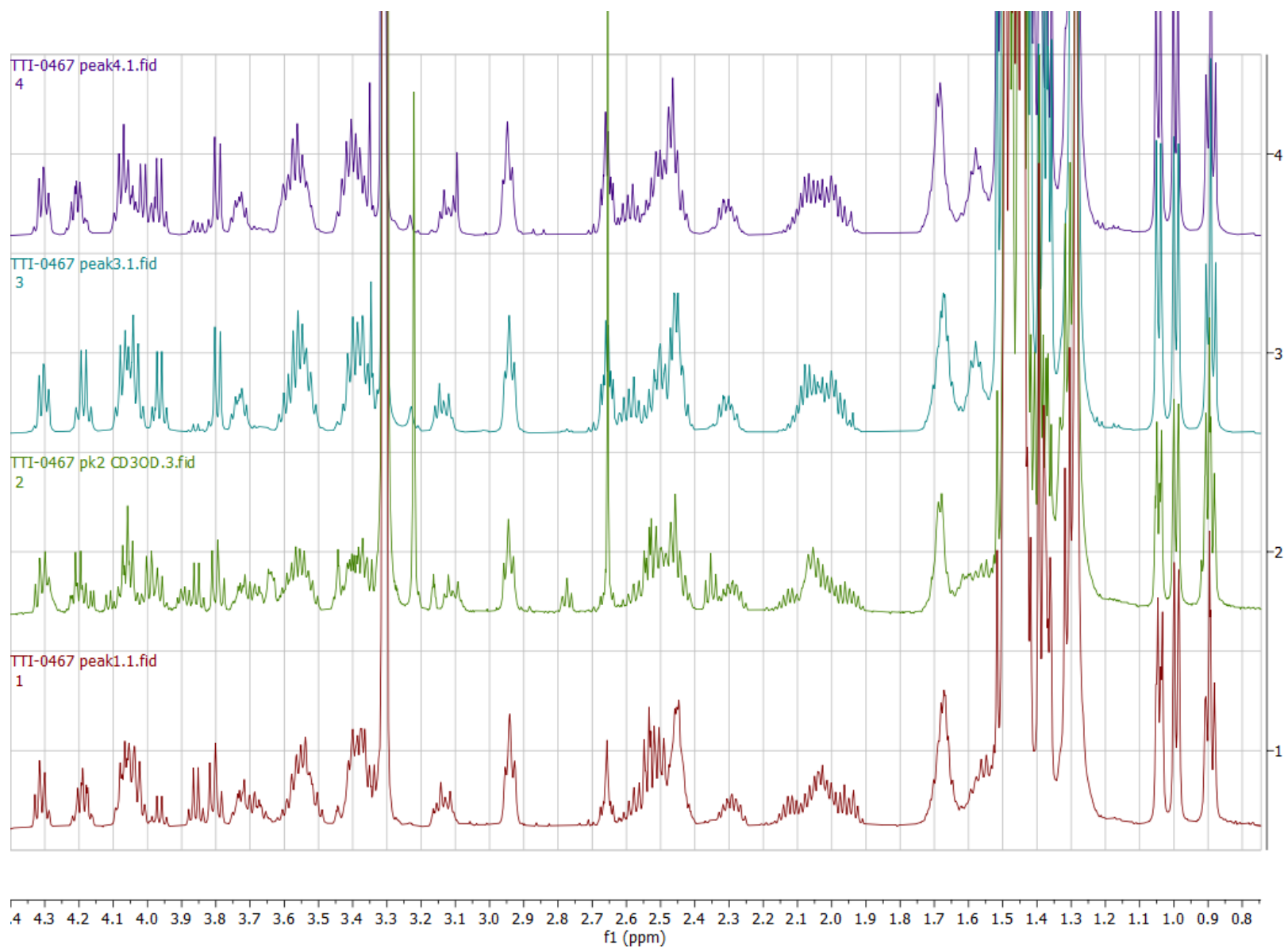


Figure S5. ^1H NMR spectrum of peaks 1-4 (500 MHz, CD_3OD).

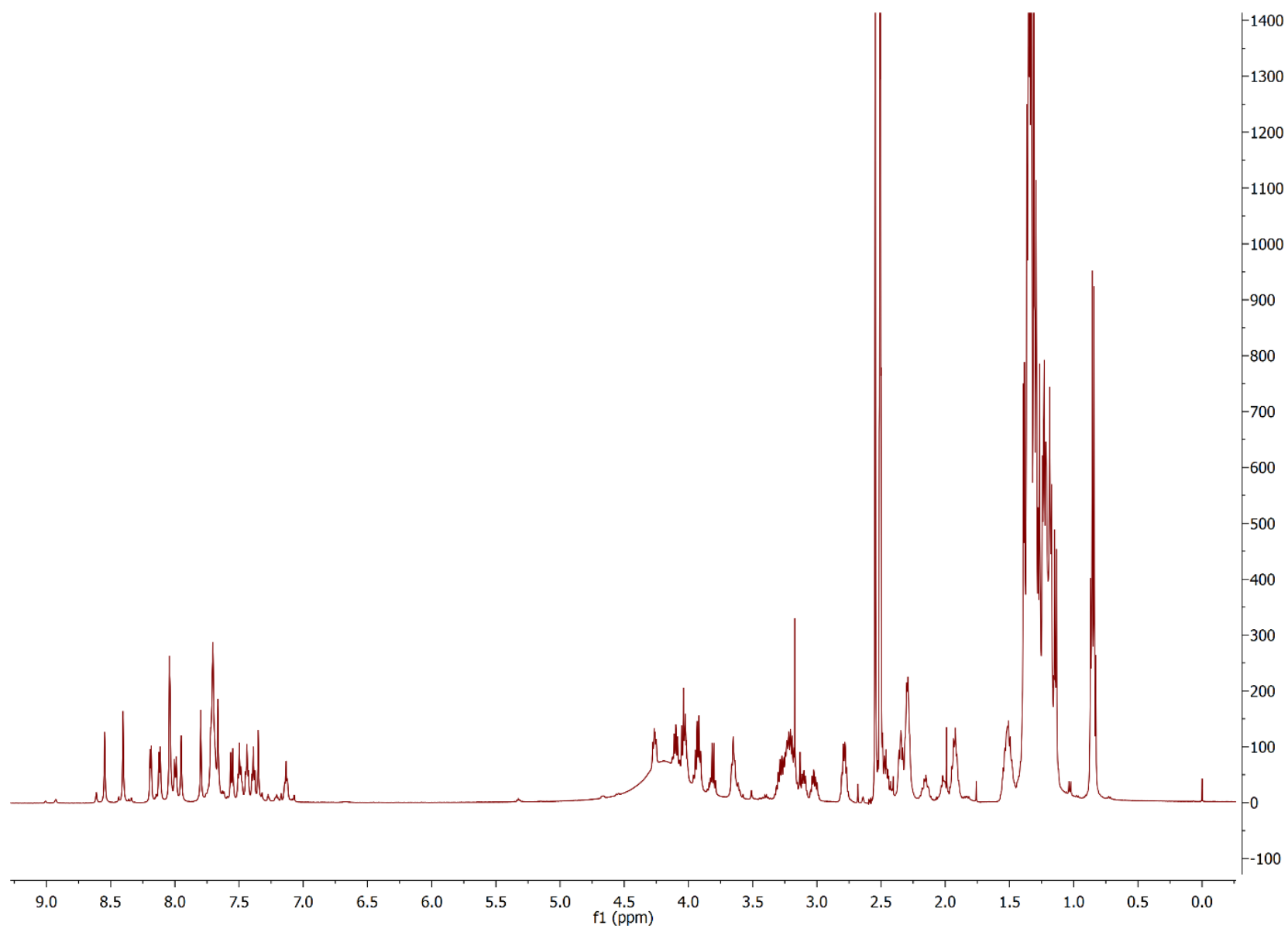


Figure S6. ^1H NMR spectrum of **1** (500 MHz, $\text{DMSO}-d_6$).

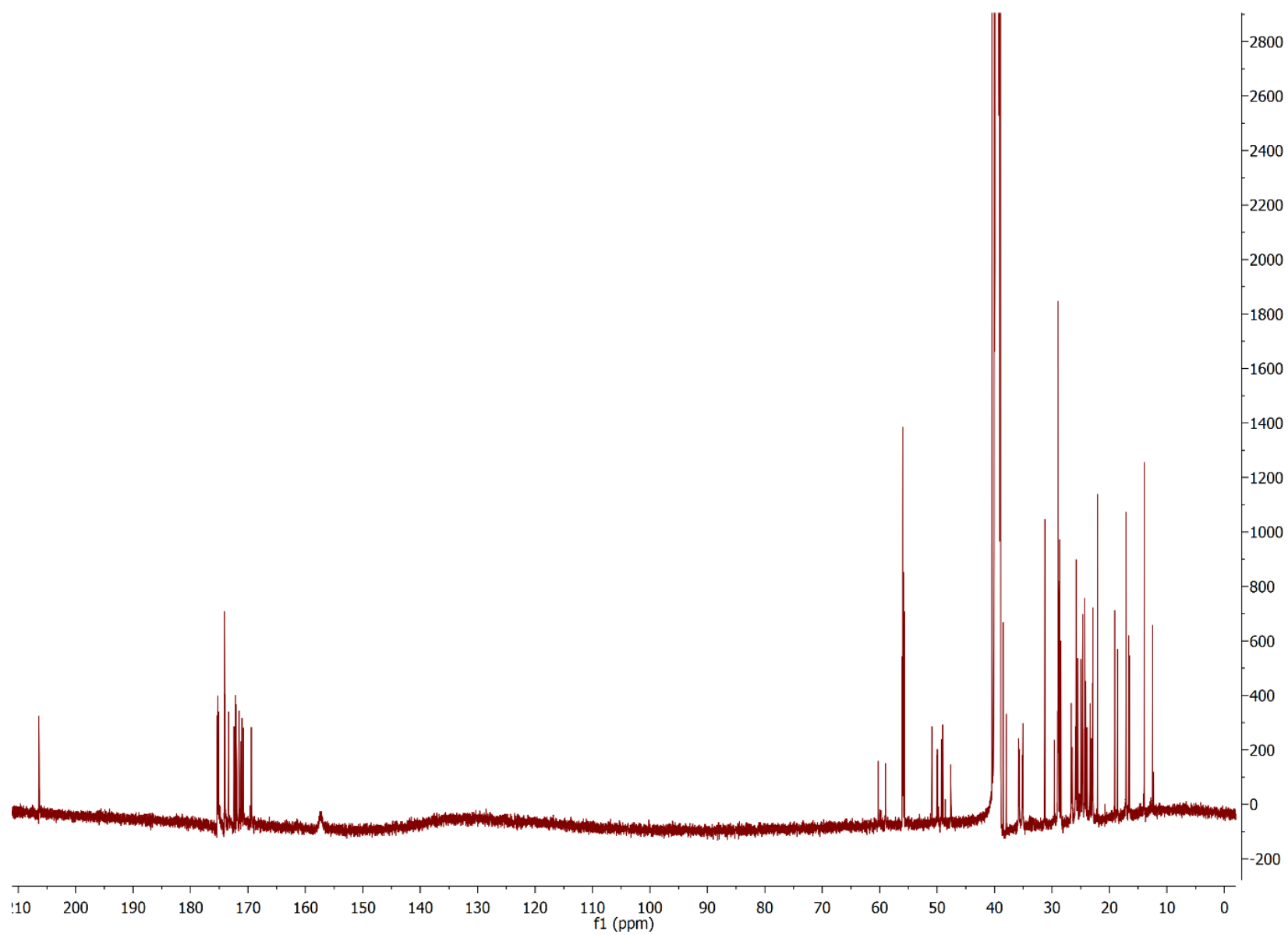


Figure S7. ^{13}C NMR spectrum of **1** (125 MHz, $\text{DMSO}-d_6$).

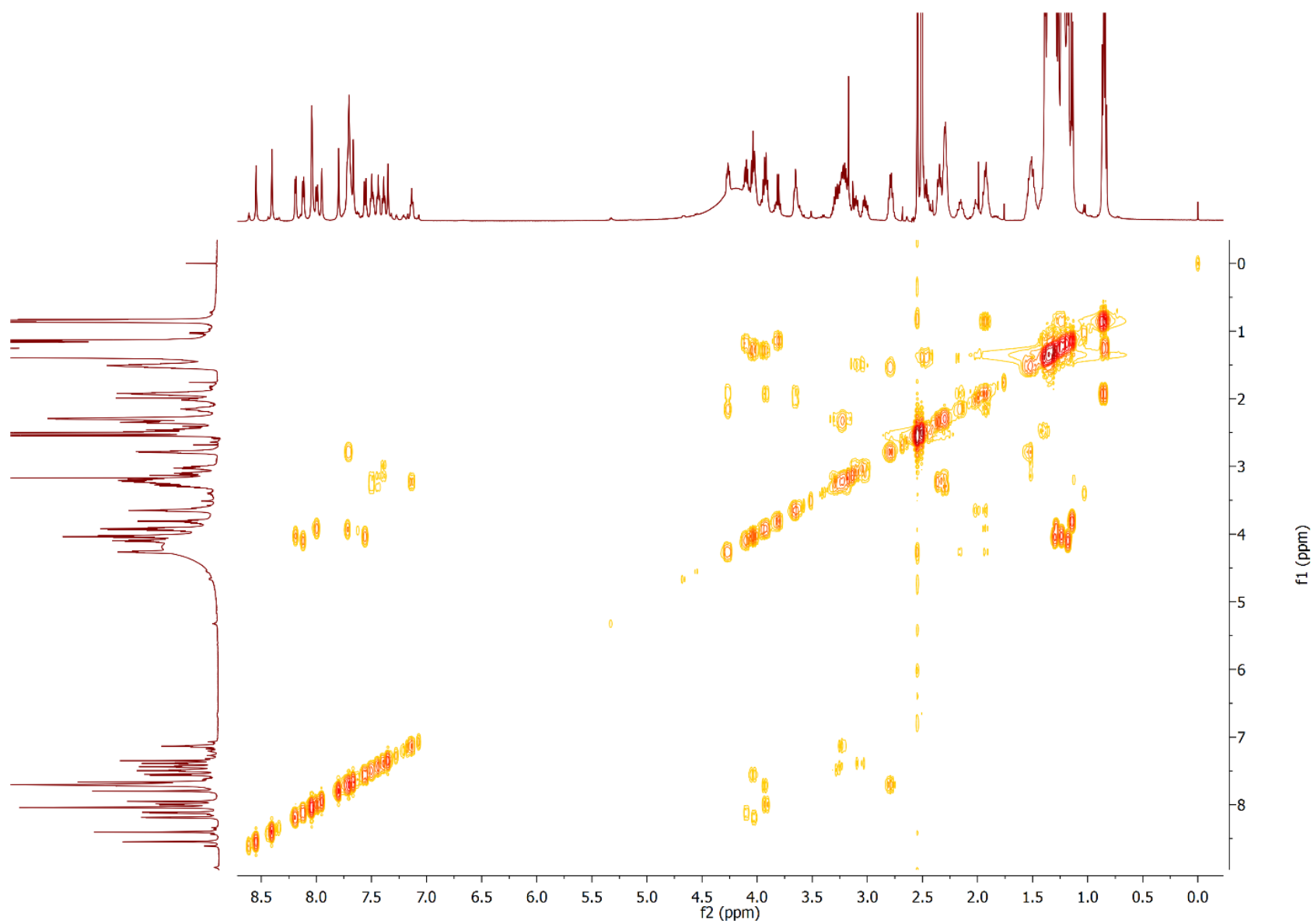


Figure S8. COSY spectrum of **1** (500 MHz, DMSO- d_6).

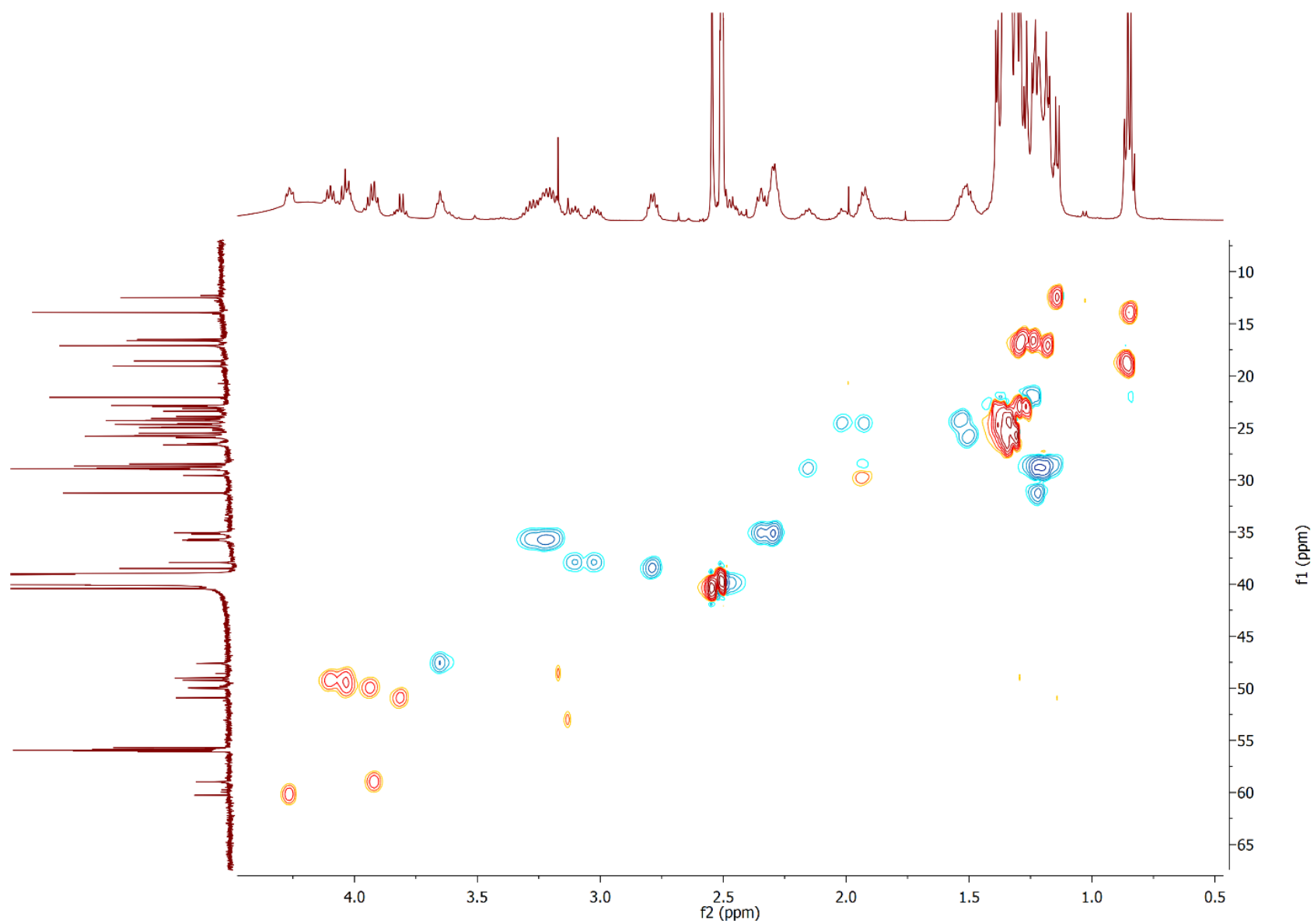


Figure S9. HSQC spectrum of **1** (500 MHz, $\text{DMSO}-d_6$).

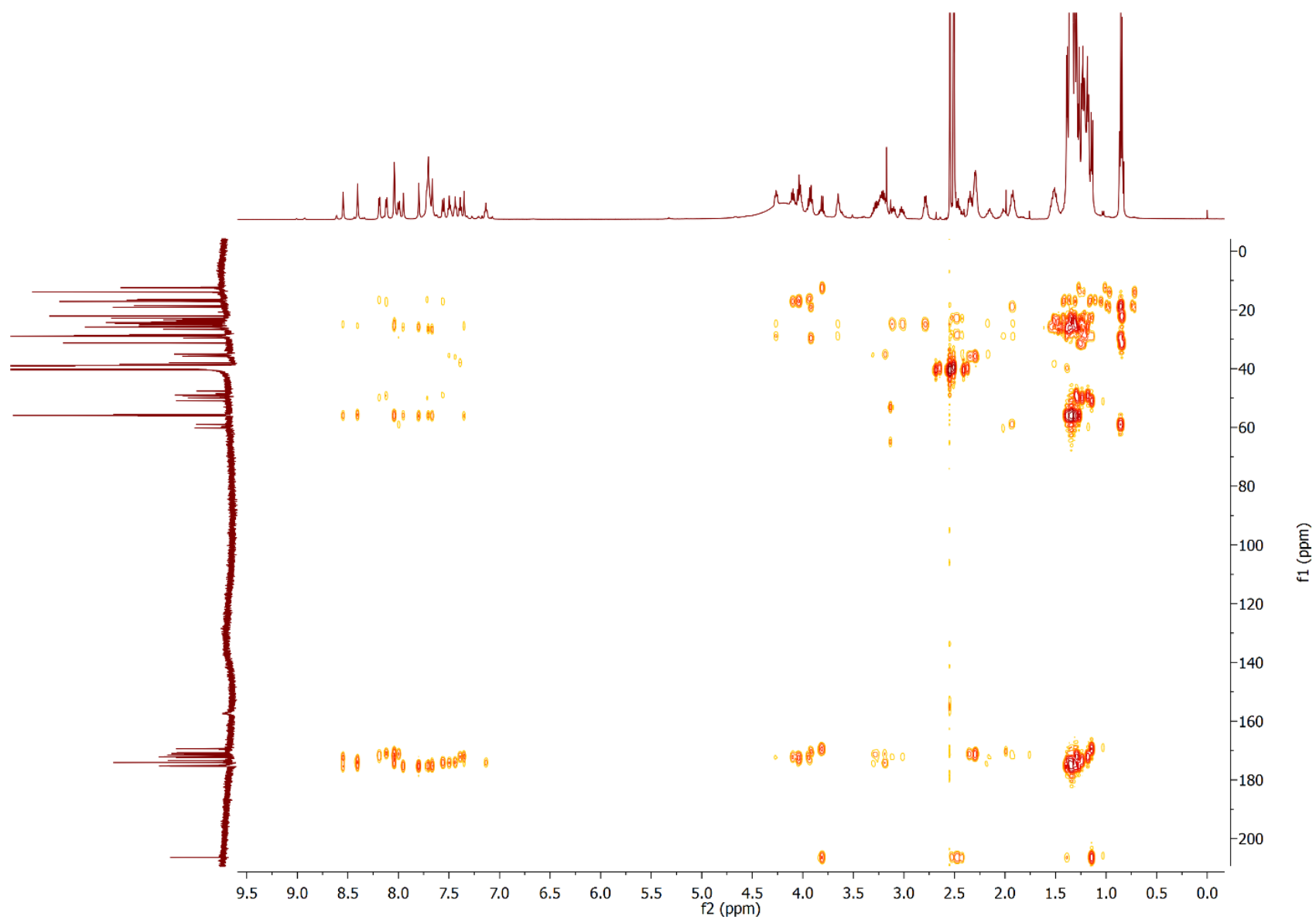


Figure S10. HMBC spectrum of **1** (500 MHz, DMSO- d_6).

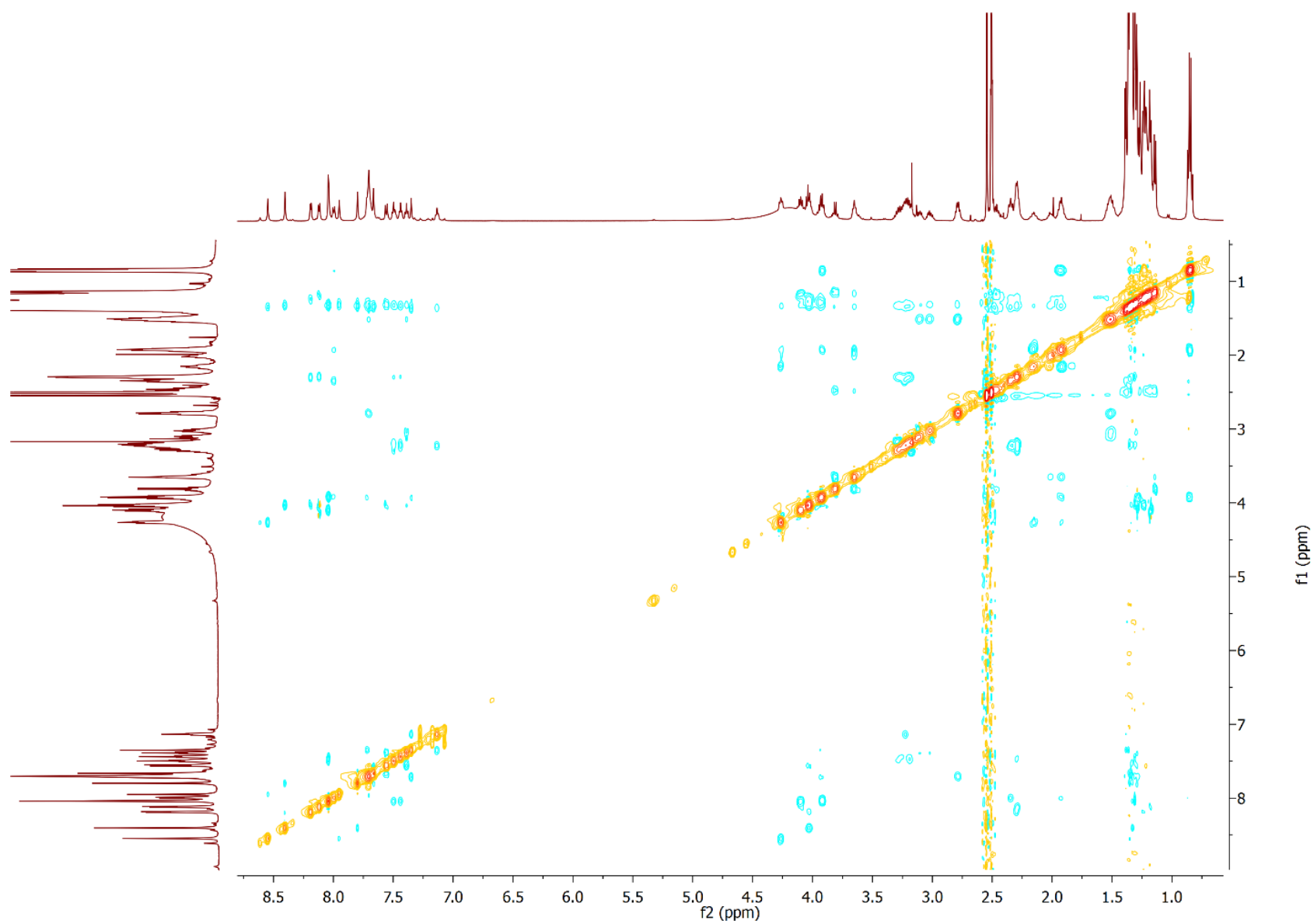


Figure S11. ROESY spectrum of **1** (500 MHz, DMSO- d_6).

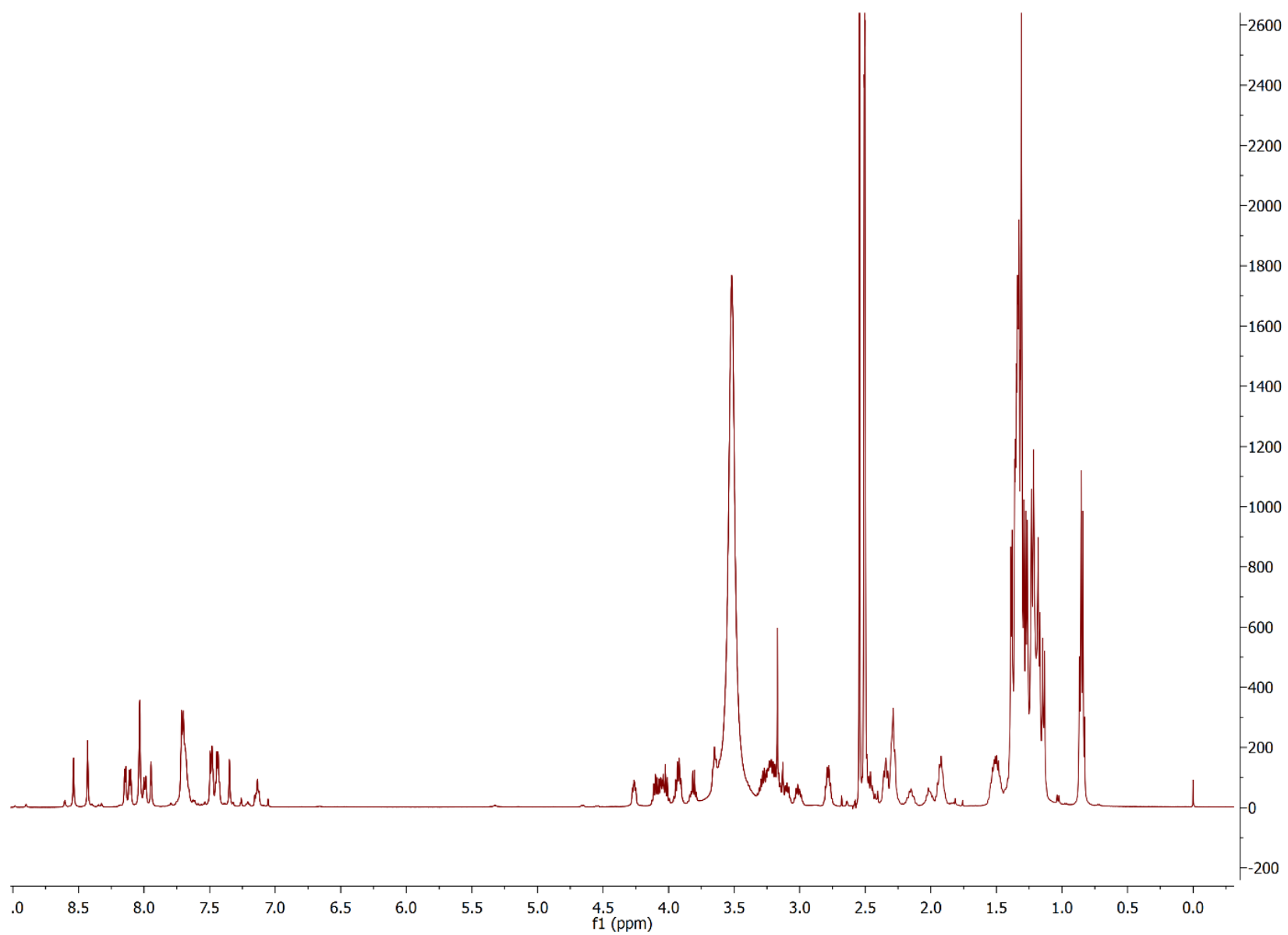


Figure S12. ^1H NMR spectrum of **2** (500 MHz, $\text{DMSO}-d_6$).

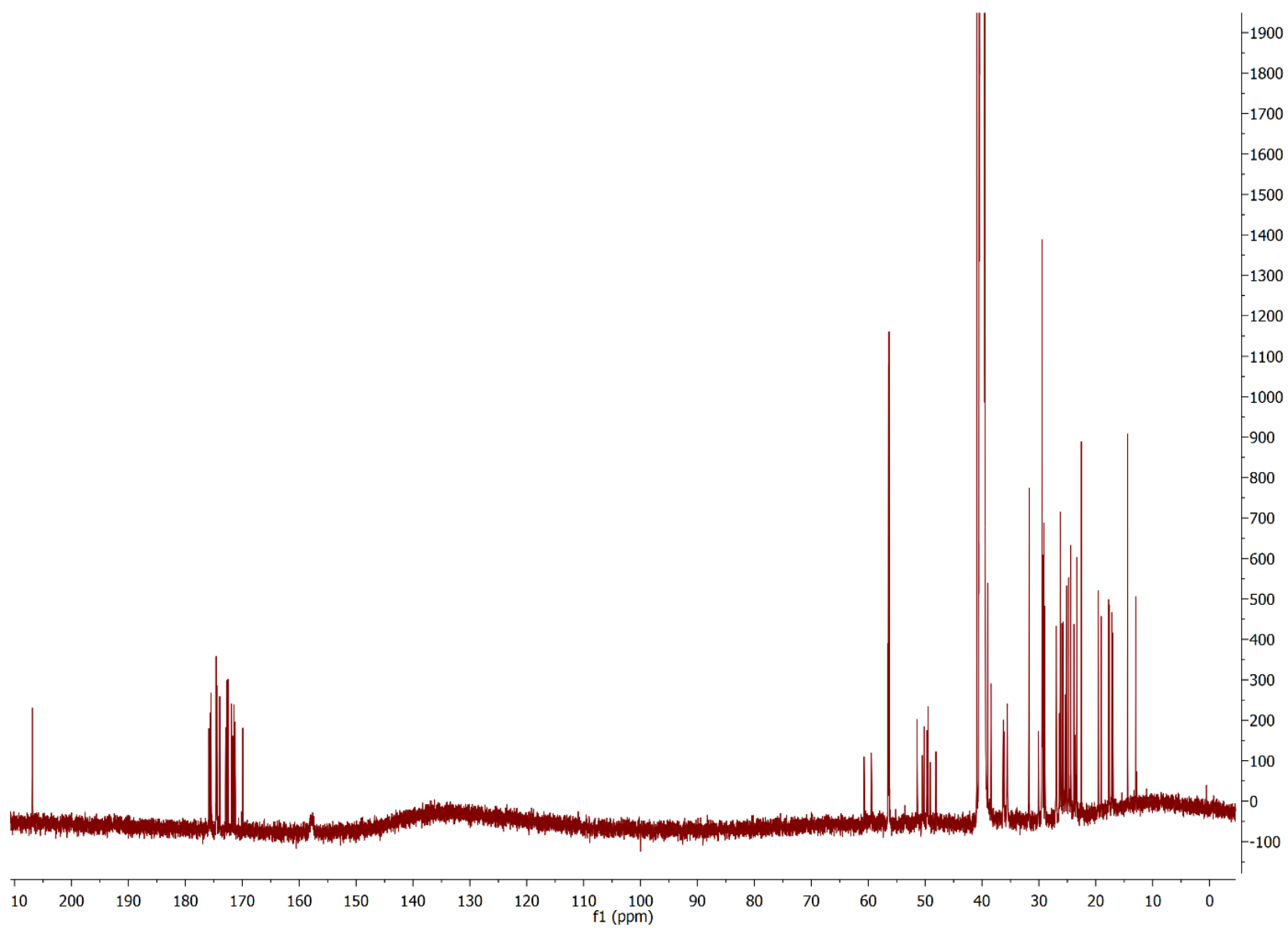


Figure S13. ^{13}C NMR spectrum of **2** (125 MHz, $\text{DMSO-}d_6$).

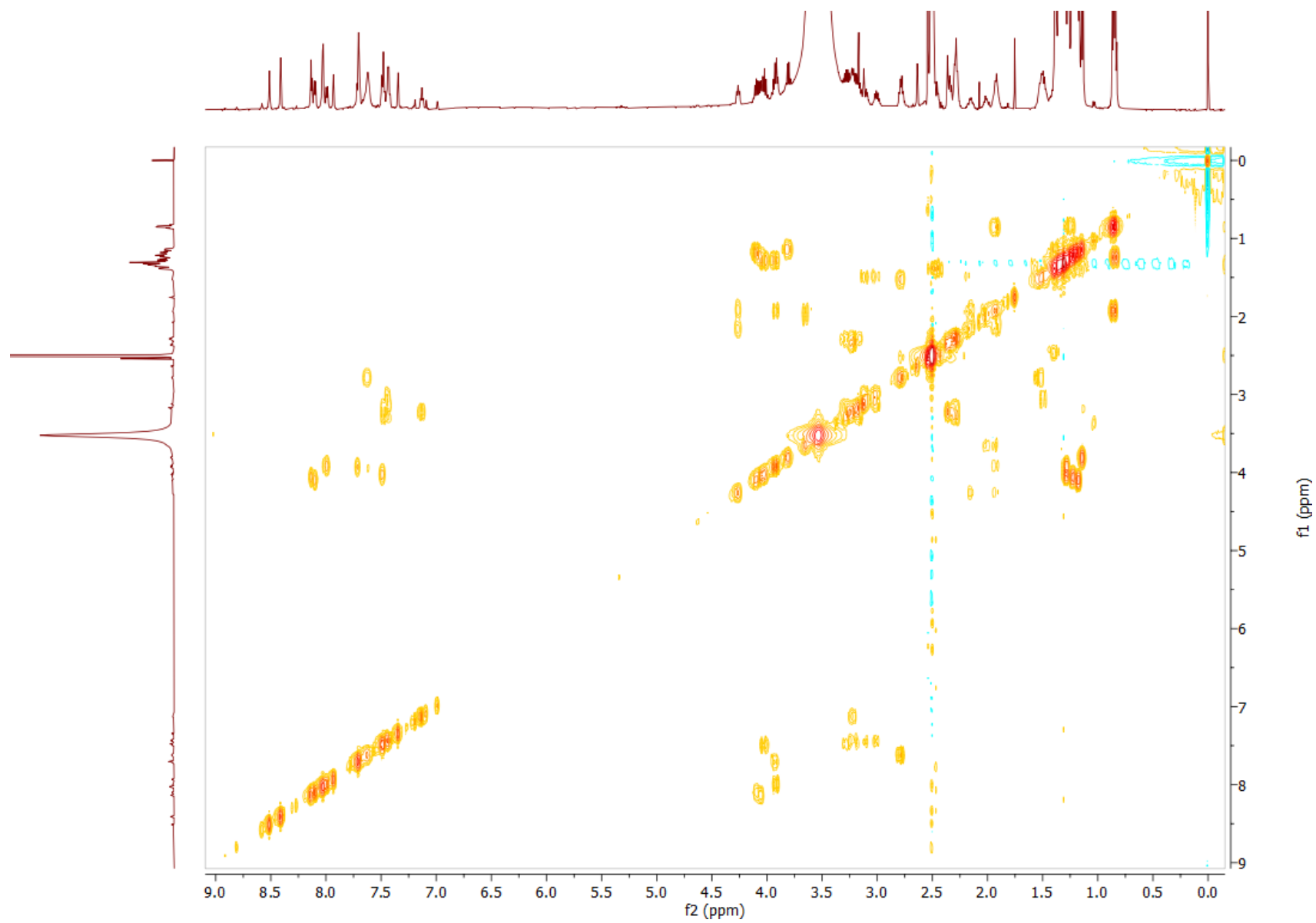


Figure S14. COSY spectrum of **2** (500 MHz, DMSO- d_6).

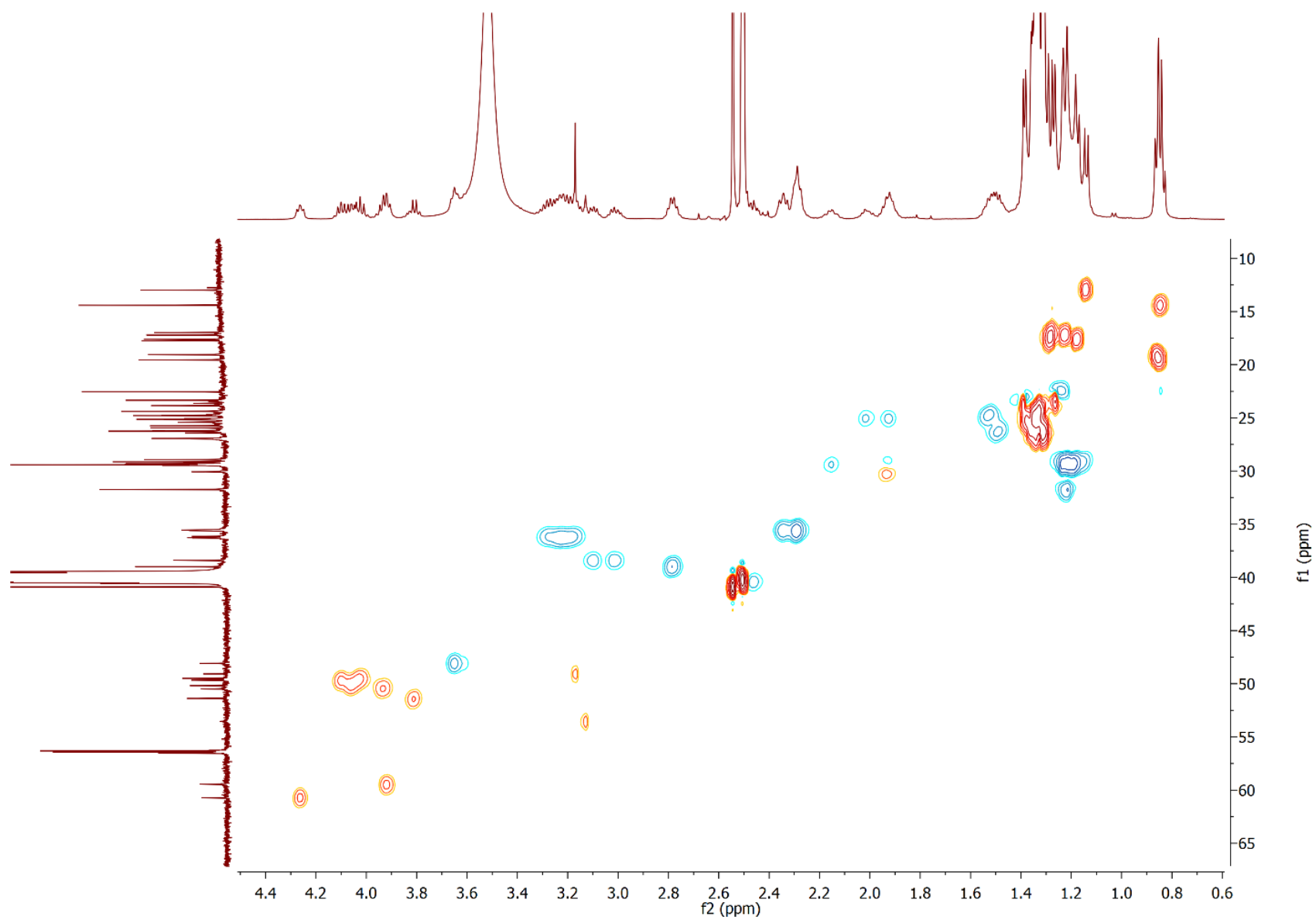


Figure S15. HSQC spectrum of **2** (500 MHz, DMSO-*d*₆).

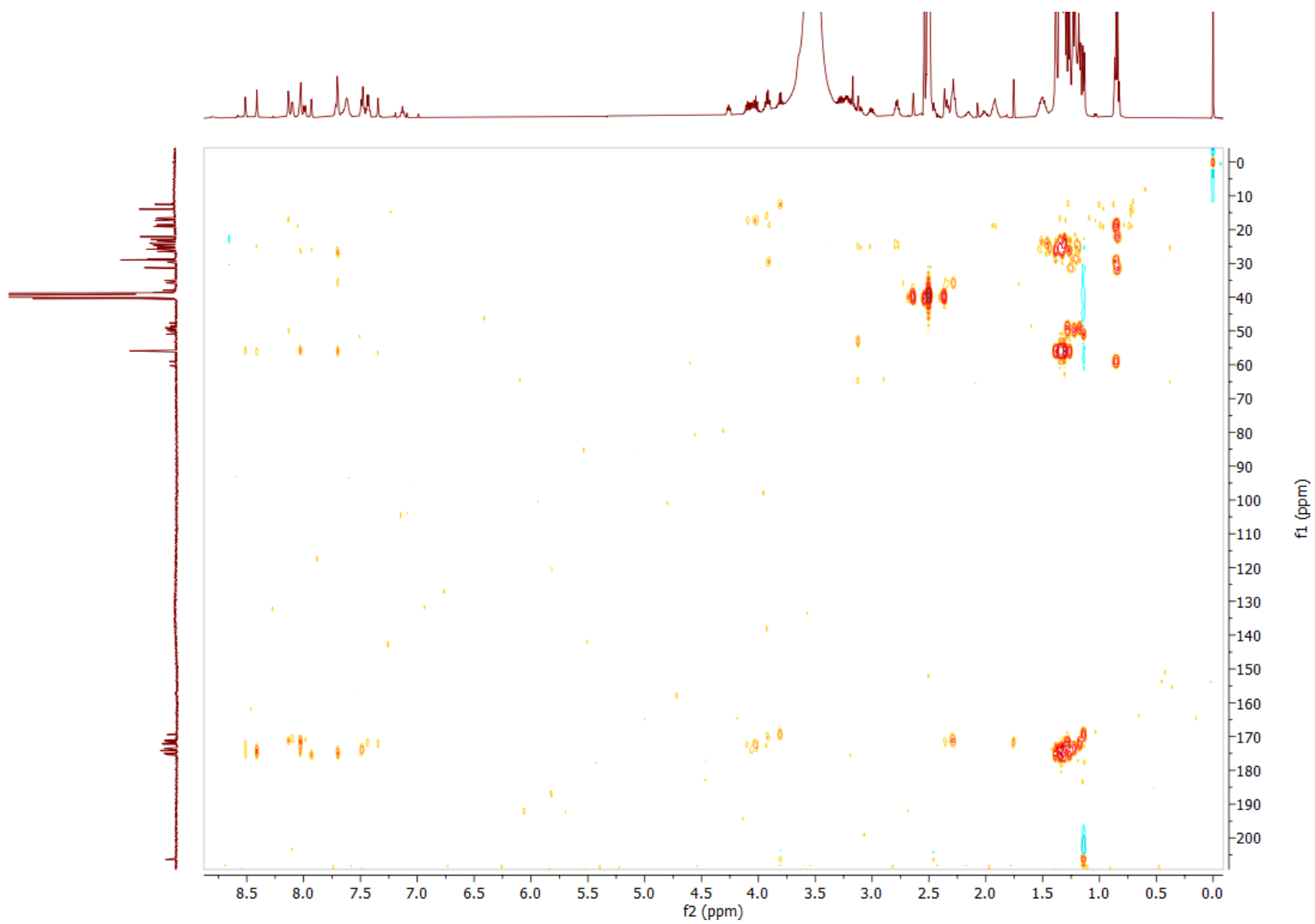


Figure S16. HMBC spectrum of **2** (500 MHz, DMSO- d_6).

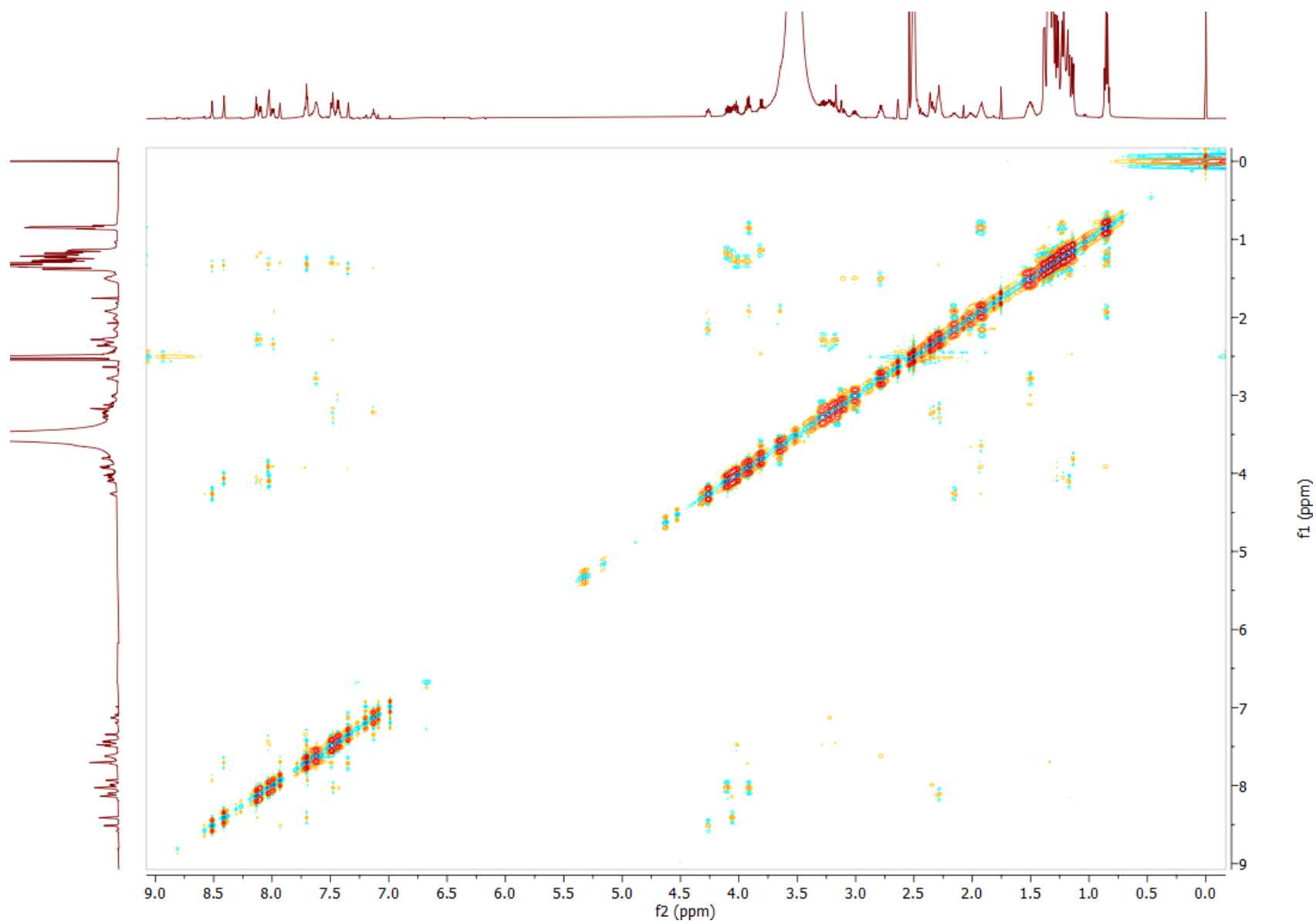


Figure S17. ROESY spectrum of **2** (500 MHz, DMSO-*d*₆).

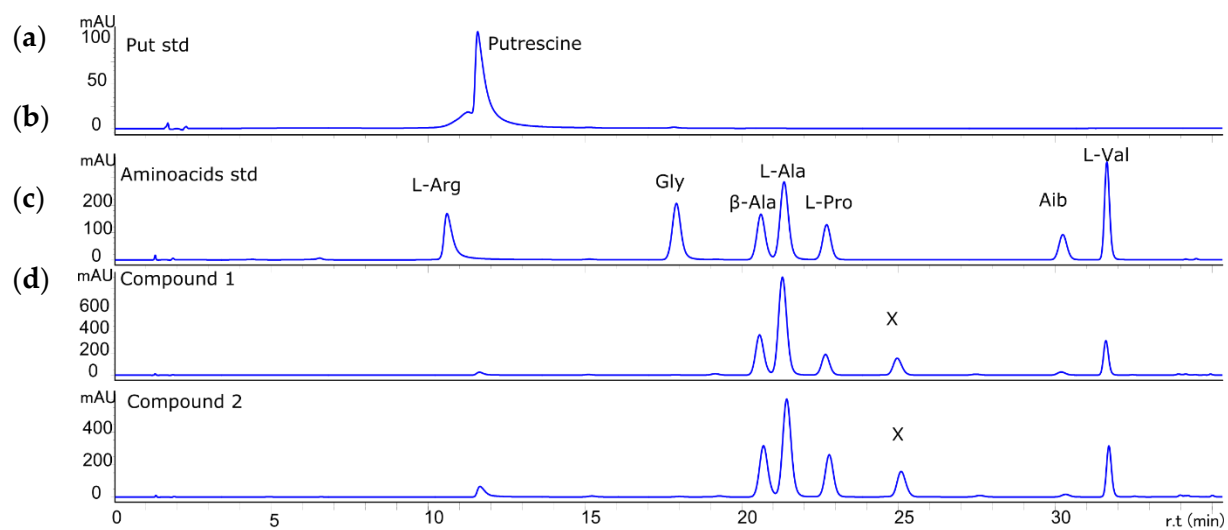


Figure S18. LCMS chromatograms obtained after sample derivatization with Marfey's reagent. a) Putrescine standard; b) Amino acid standards; c) Compound 1 hydrolyzate; d) Compound 2 hydrolyzate. X represents a side-product.

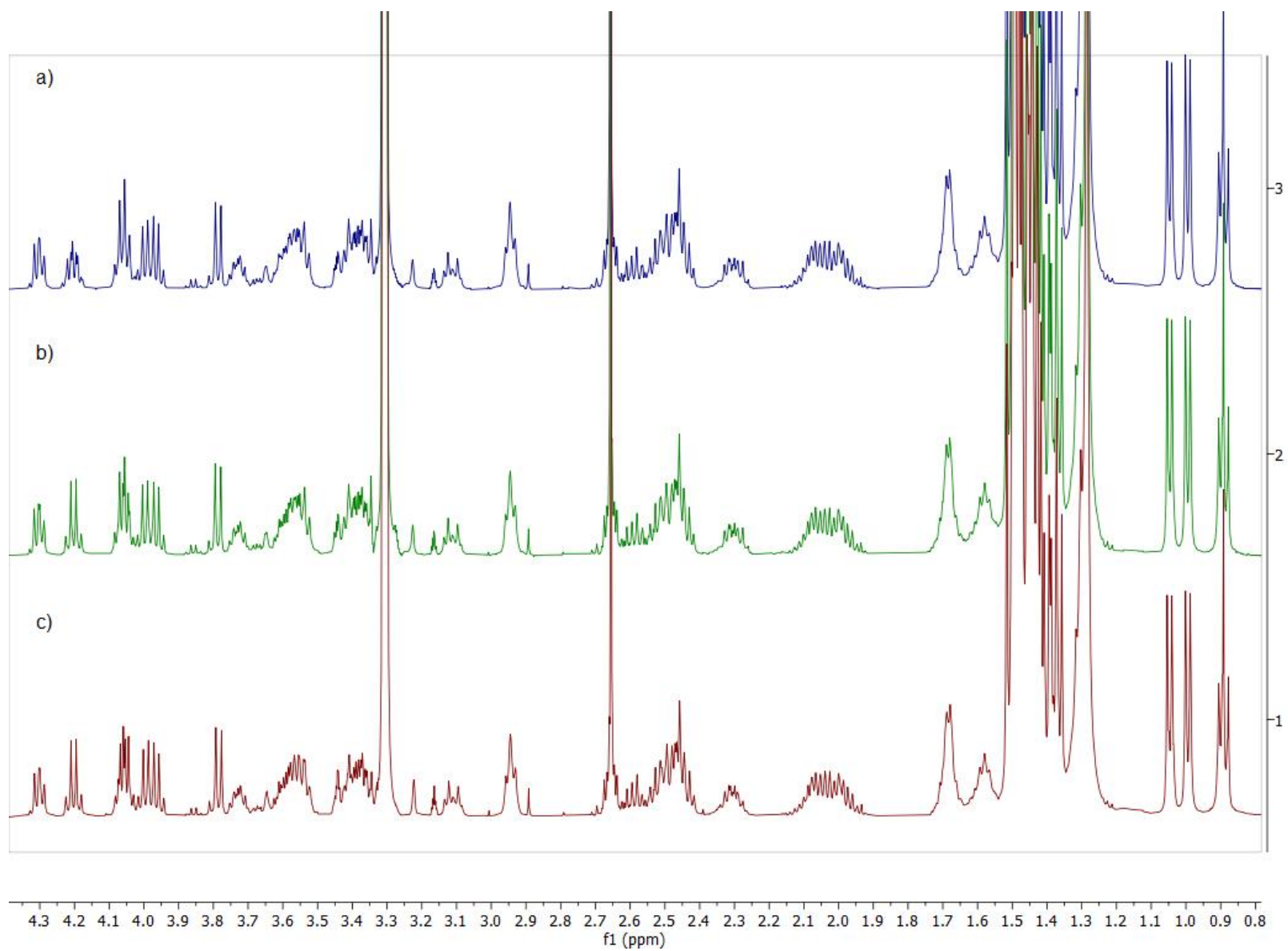


Figure S19. ¹H NMR (500 MHz, CD₃OD) spectra of sphaerostilbellin A at different times. a) 0 days; b) 4 days; c) 110 days.