

X-ray Structures of some Heterocyclic Sulfones

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Supplementary Material

Figure

^1H NMR, DEPTQ ^{13}C NMR, COSY and HSQC NMR spectra of **1**

S1, S2, S3 S4, S5, S6

^1H NMR, DEPTQ ^{13}C NMR and HSQC NMR spectra of **2**

S7, S8, S9, S10

^1H NMR, DEPTQ ^{13}C NMR and HSQC NMR spectra of **3**

S11, S12, S13, S14

^1H NMR, DEPTQ ^{13}C NMR, COSY, HSQC and HMBC NMR spectra of **4**

S15, S16, S17, S18, S19, S20

Figure S1. 400 MHz ^1H NMR spectrum of **1**

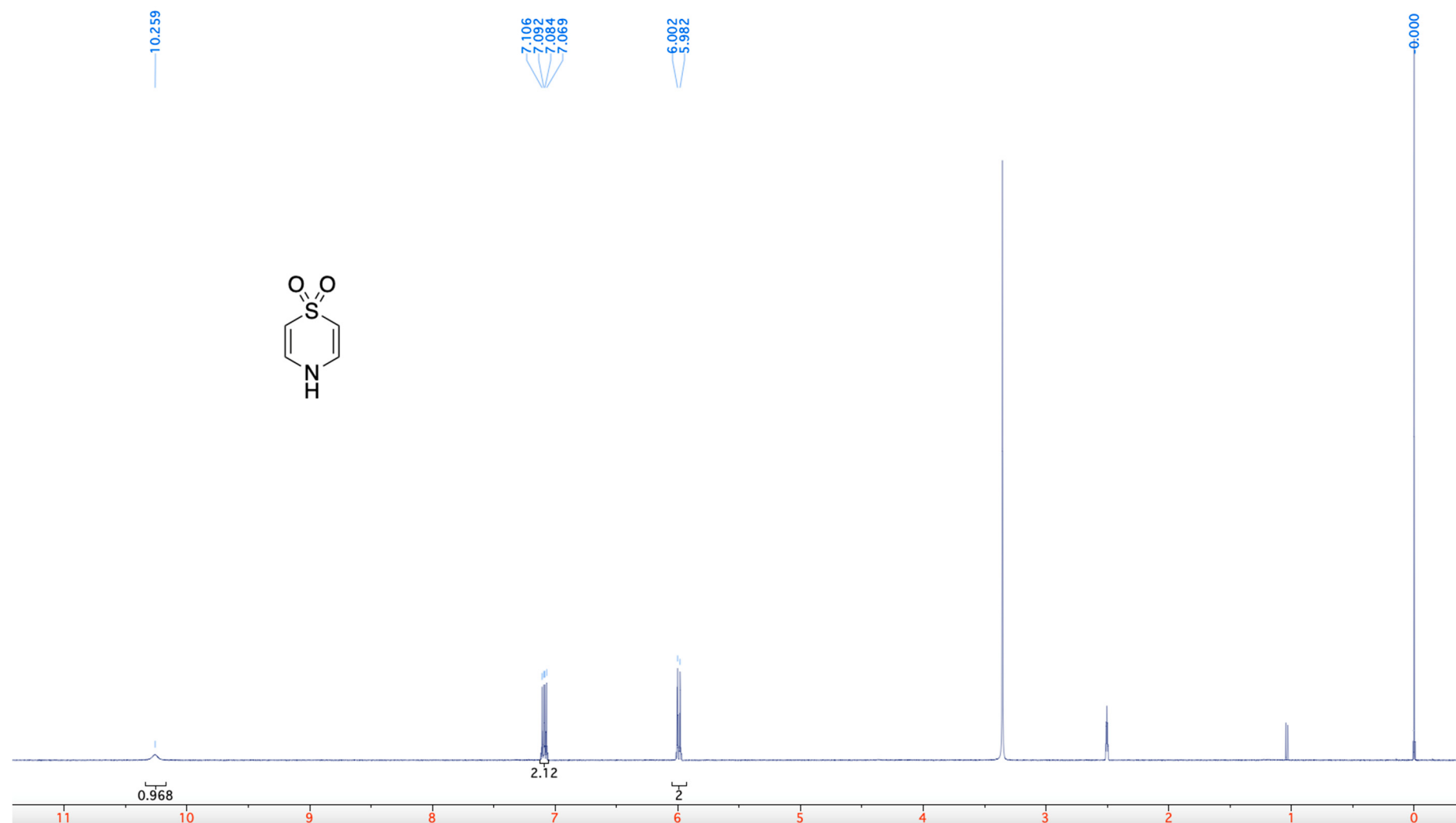


Figure S2. 400 MHz ^1H NMR spectrum of **1** (expansion)

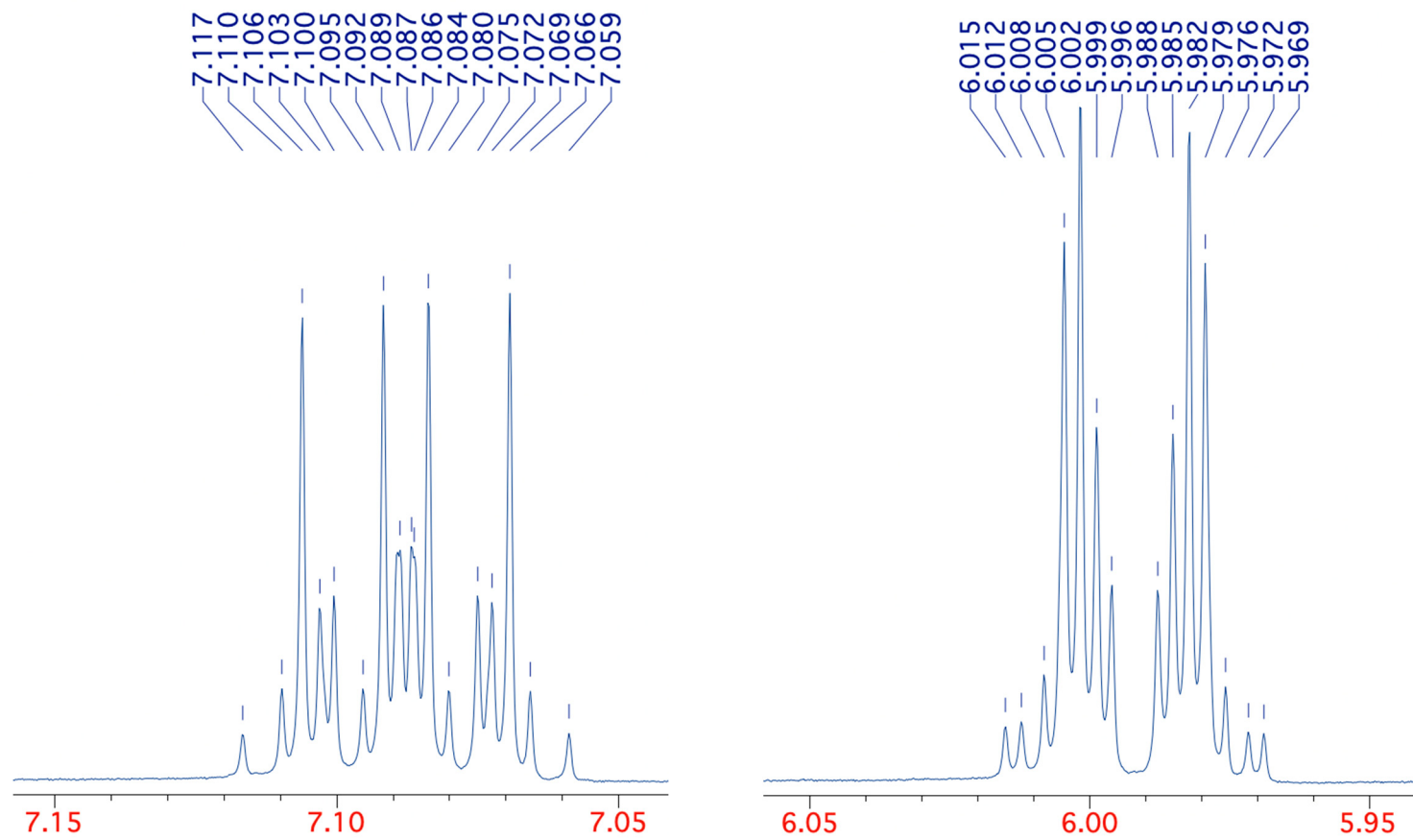


Figure S3. Simulation of 400 MHz ^1H NMR spectrum of **1** using coupling constants in Table 2

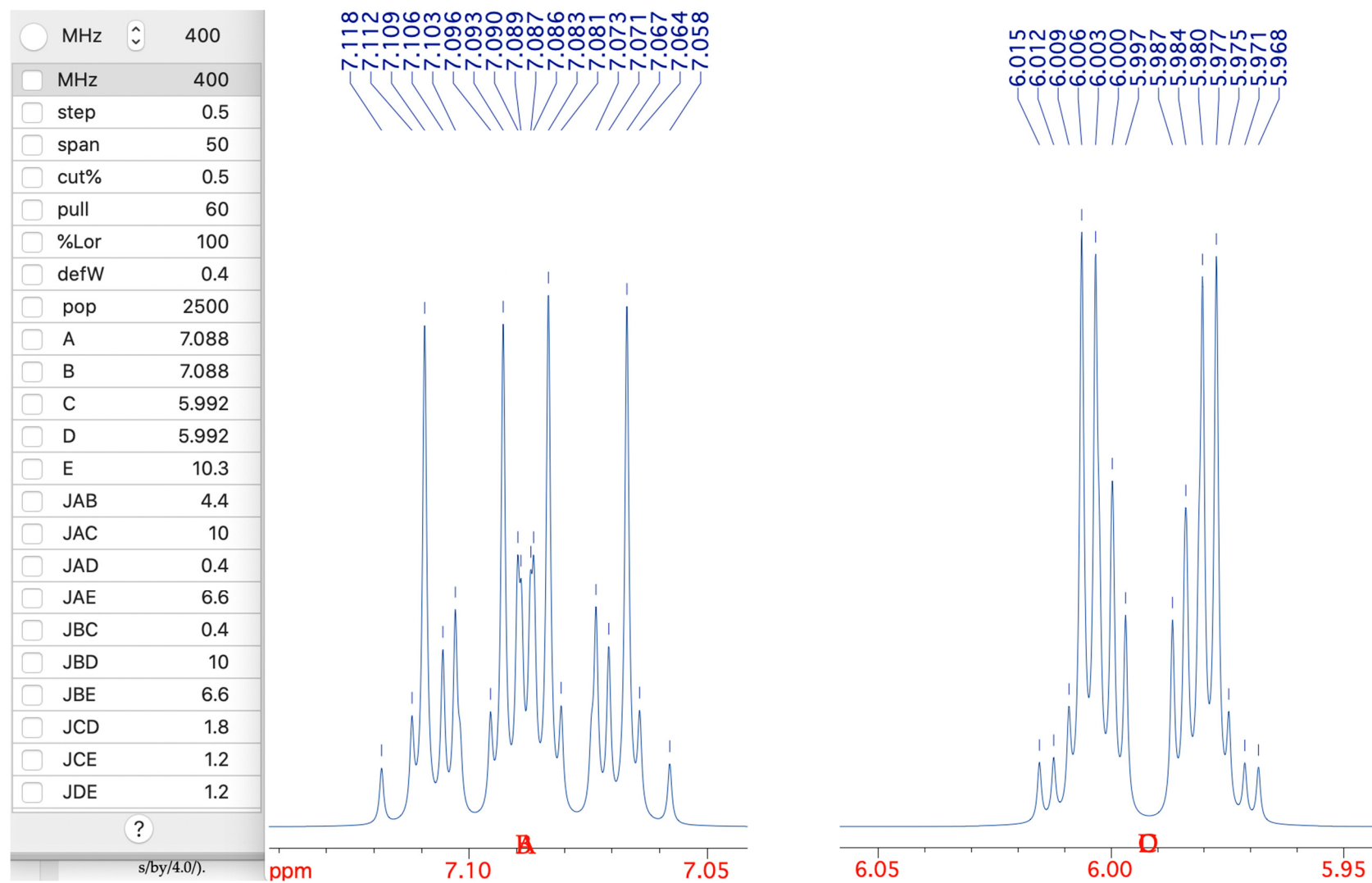


Figure S4. 100 MHz DEPTQ ^{13}C NMR spectrum of **1**

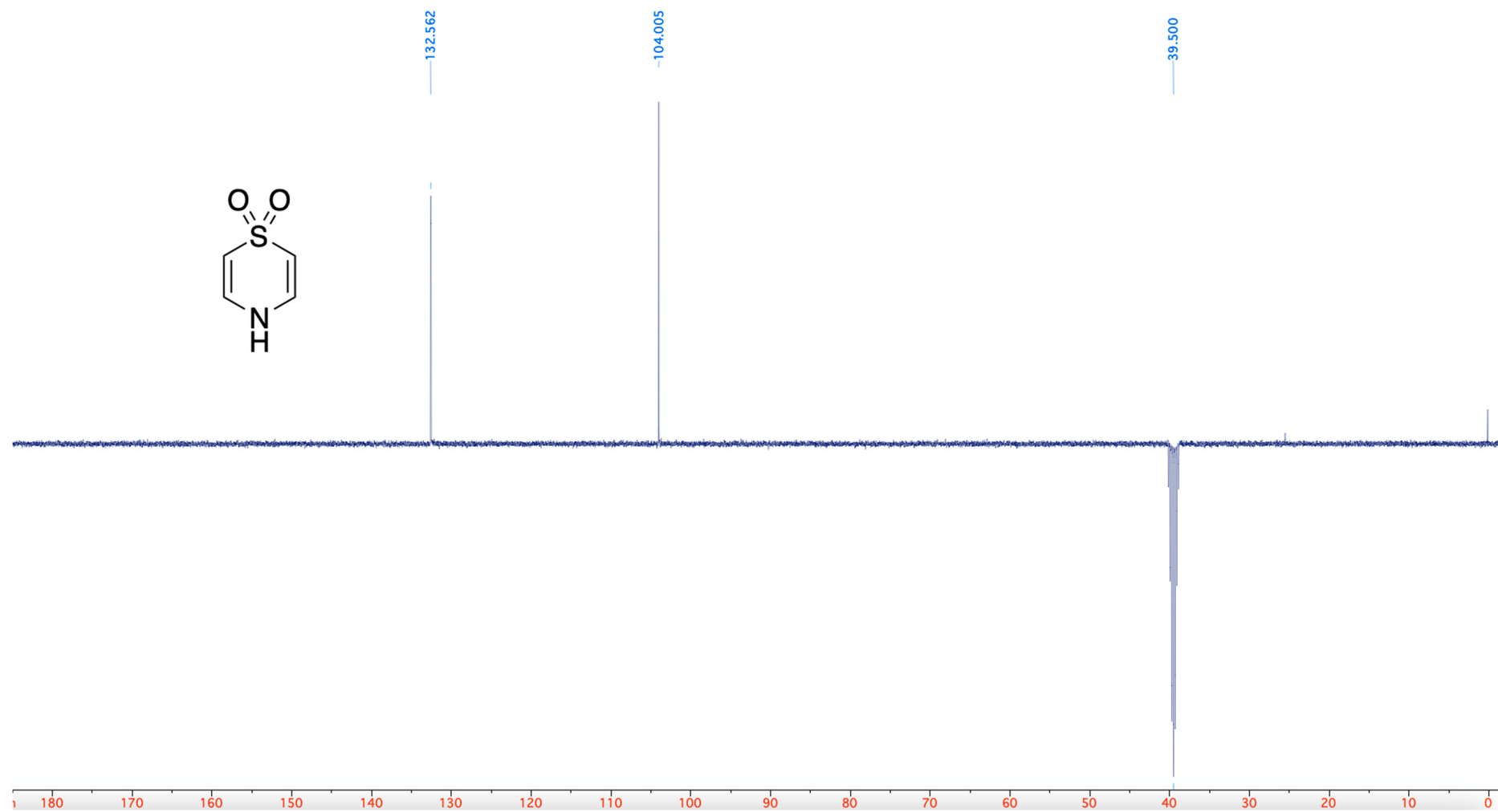


Figure S5. COSY NMR spectrum of **1**



Figure S6. HSQC NMR spectrum of **1**



Figure S7. 500 MHz ^1H NMR spectrum of **2**

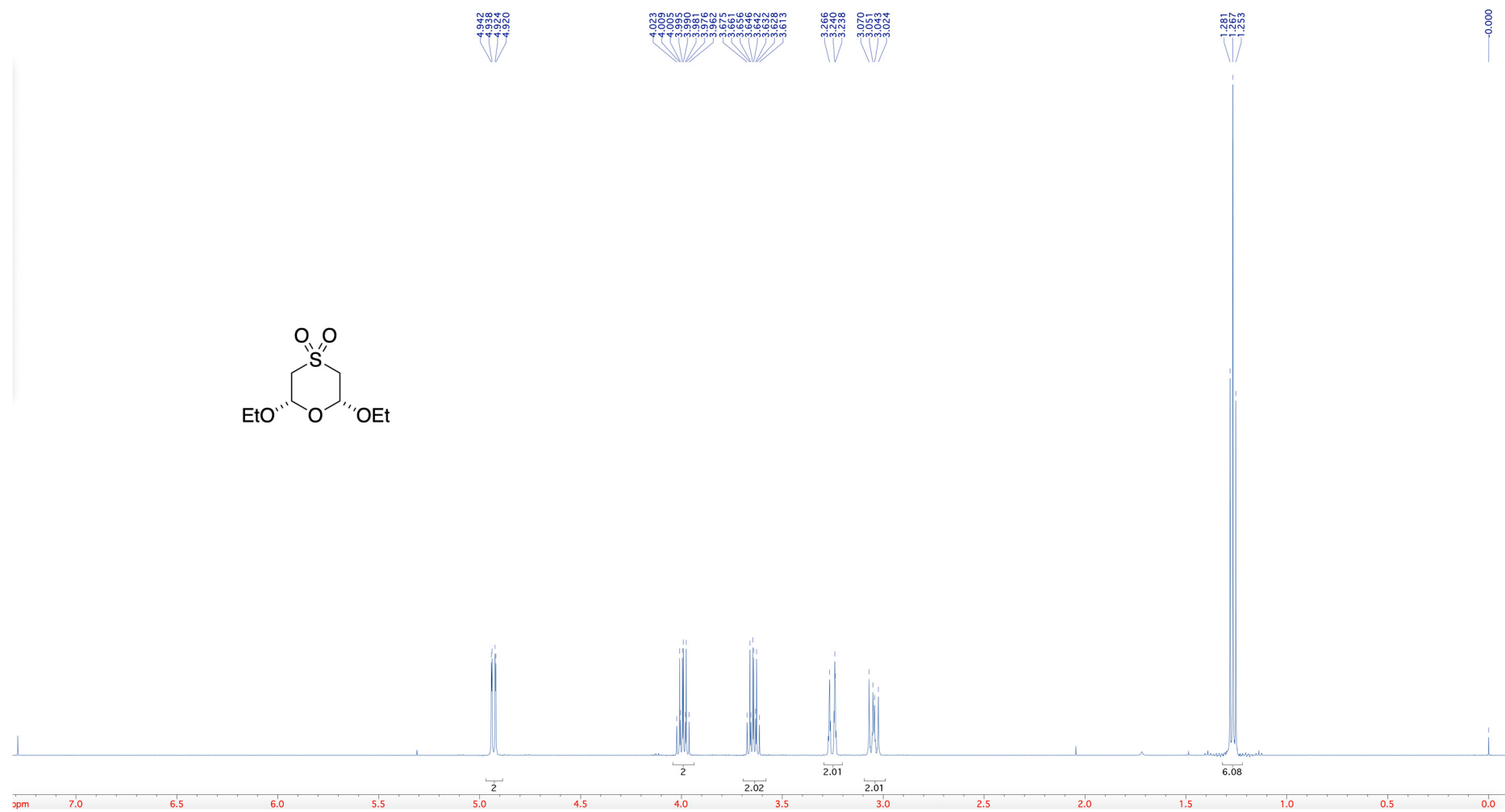


Figure S8. Simulation (top) and experimental spectrum (bottom) for **2**

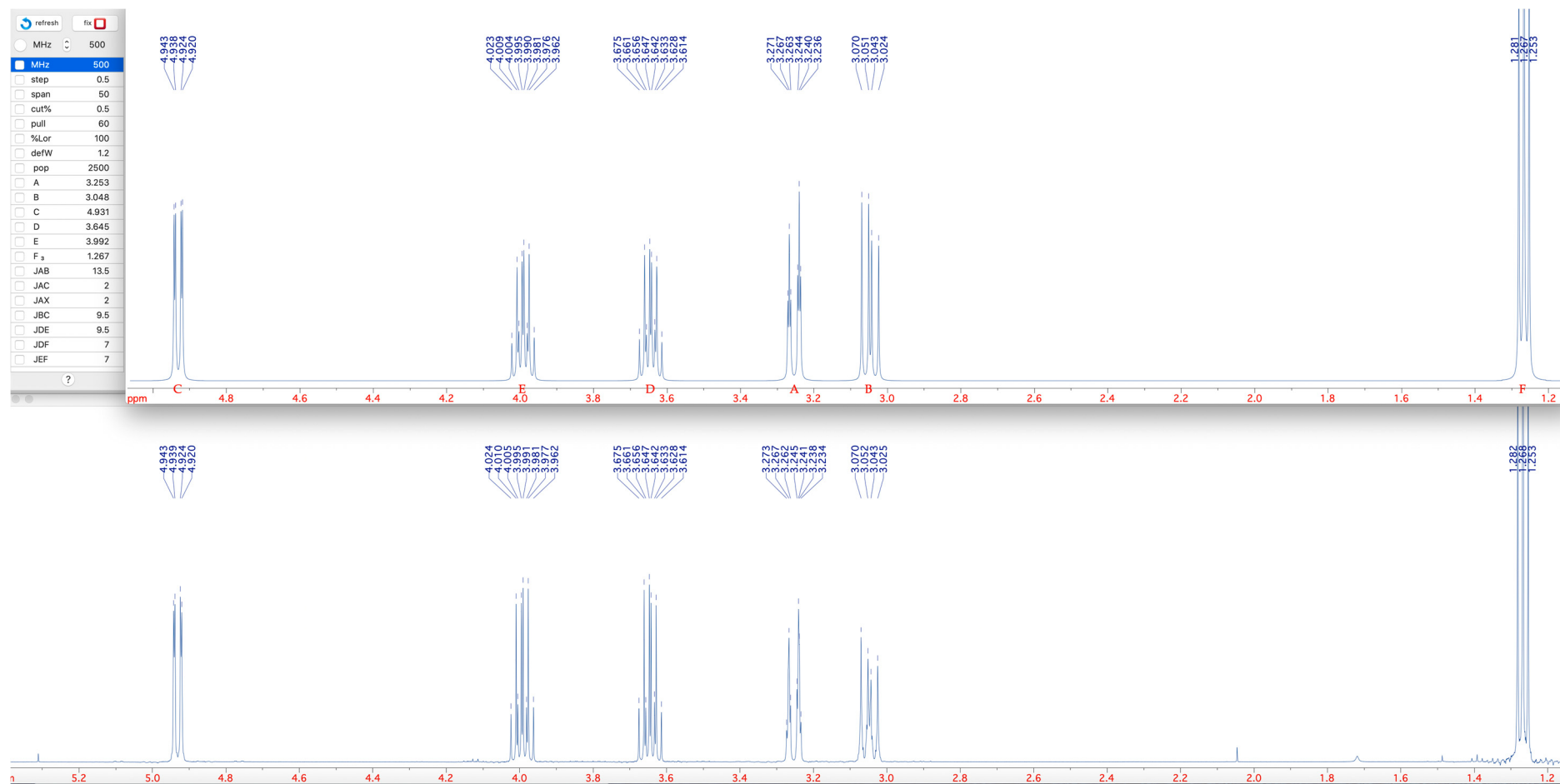


Figure S9. 125 MHz DEPTQ ^{13}C NMR spectrum of **2**

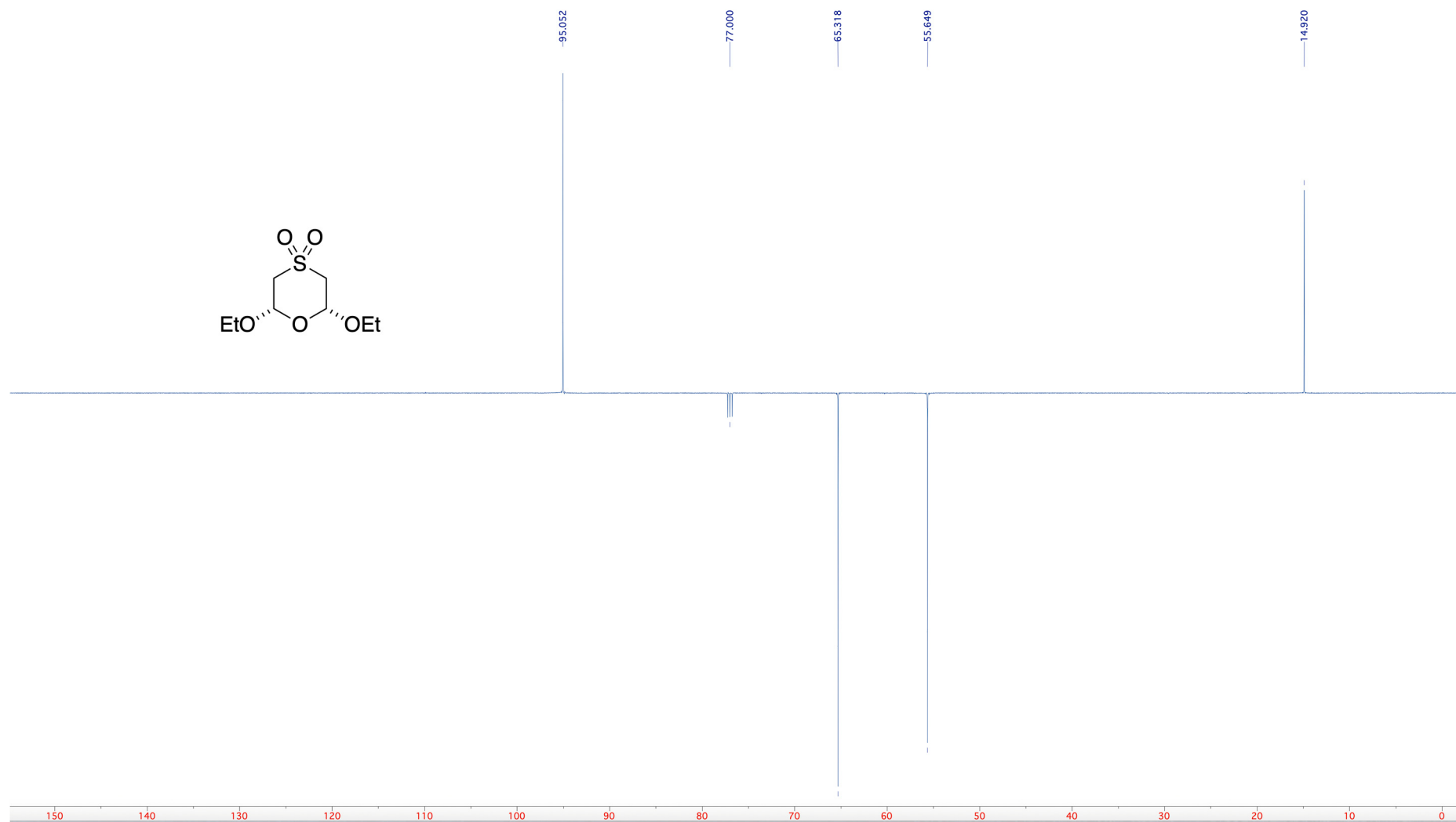


Figure S10. HSQC NMR spectrum of **2**



Figure S11. 500 MHz ^1H NMR spectrum of **3**

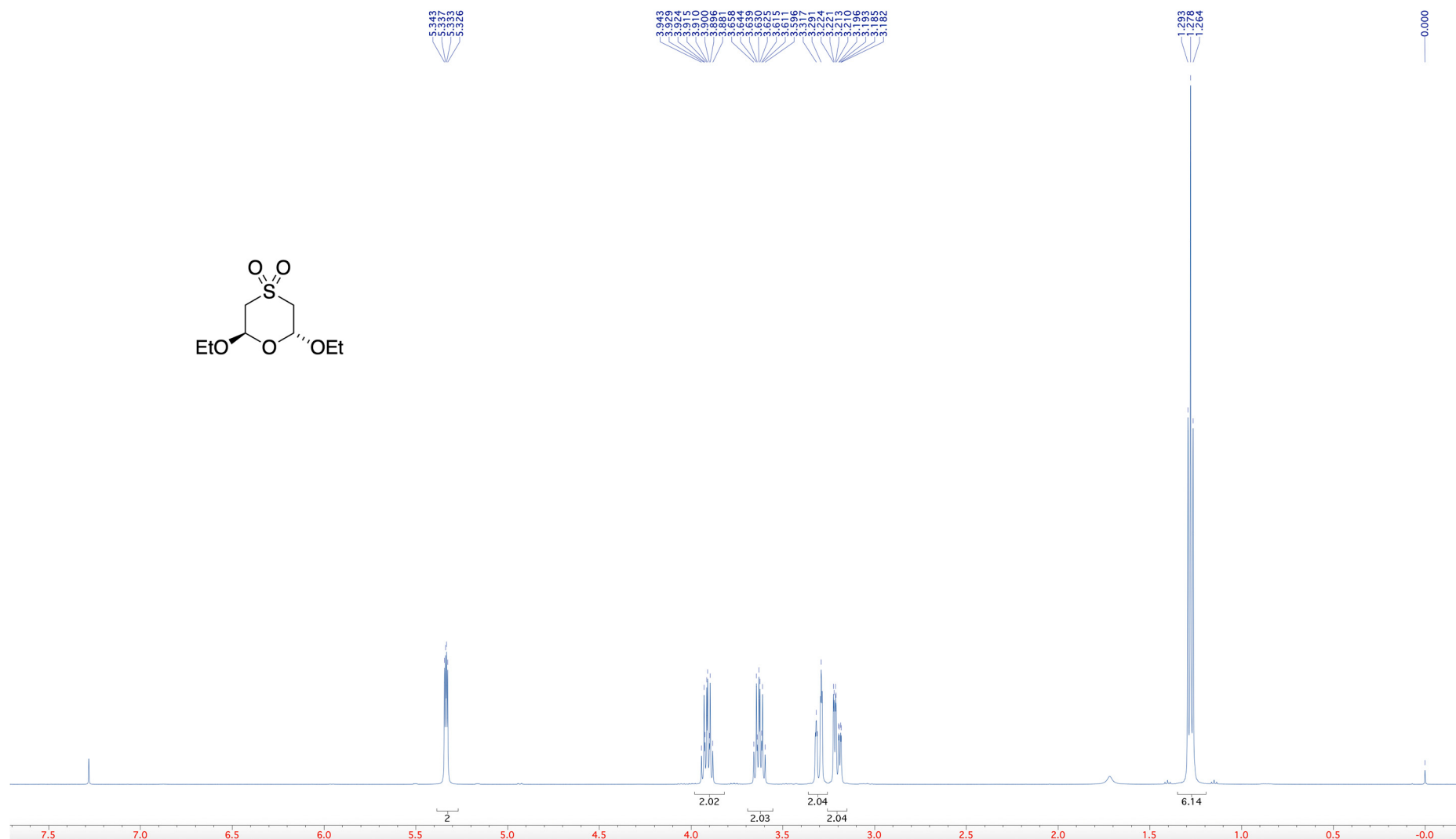


Figure S12. Simulation (top) and experimental spectrum (bottom) for **3**

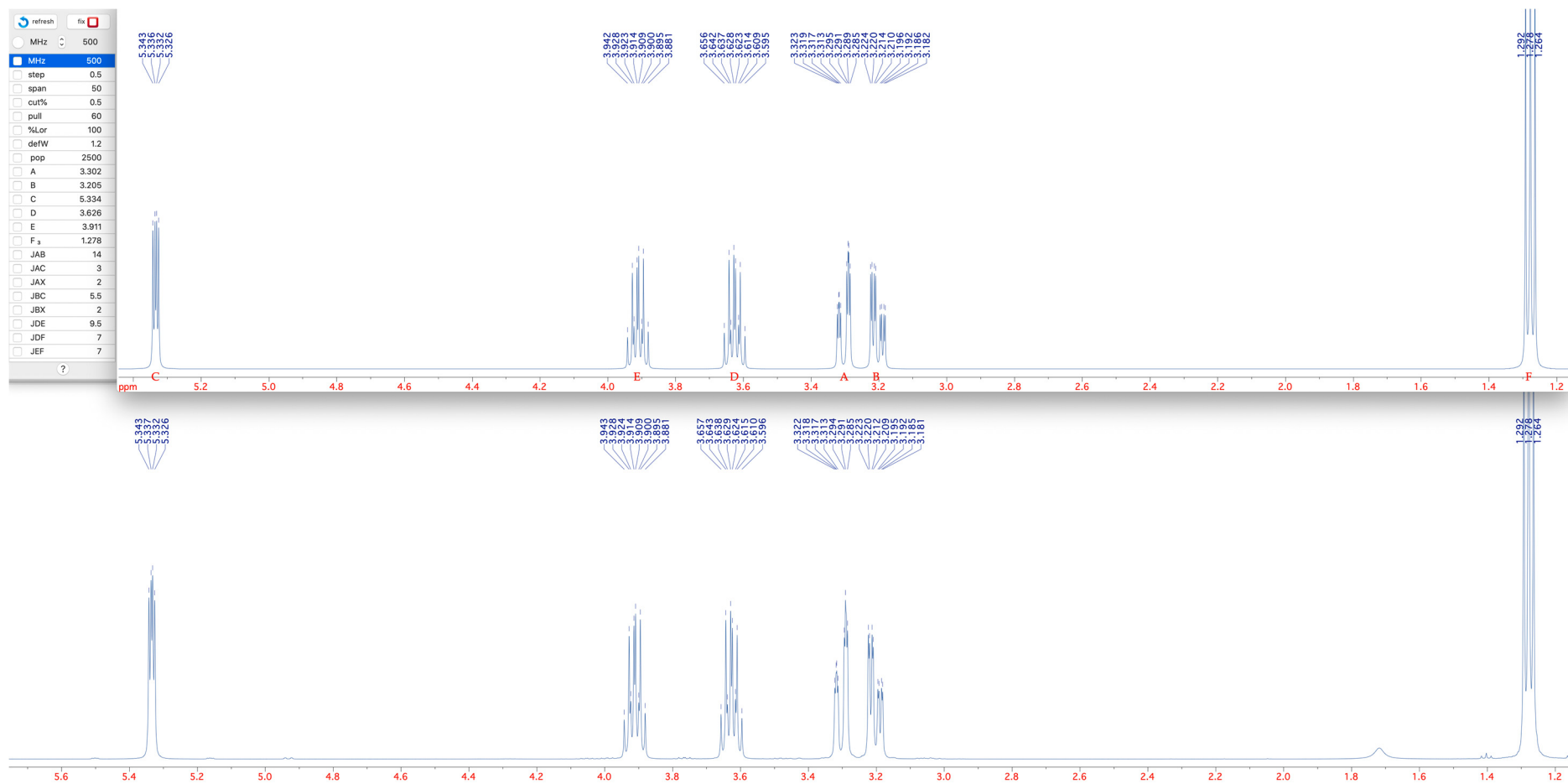


Figure S13. 125 MHz DEPTQ ^{13}C NMR spectrum of **3**

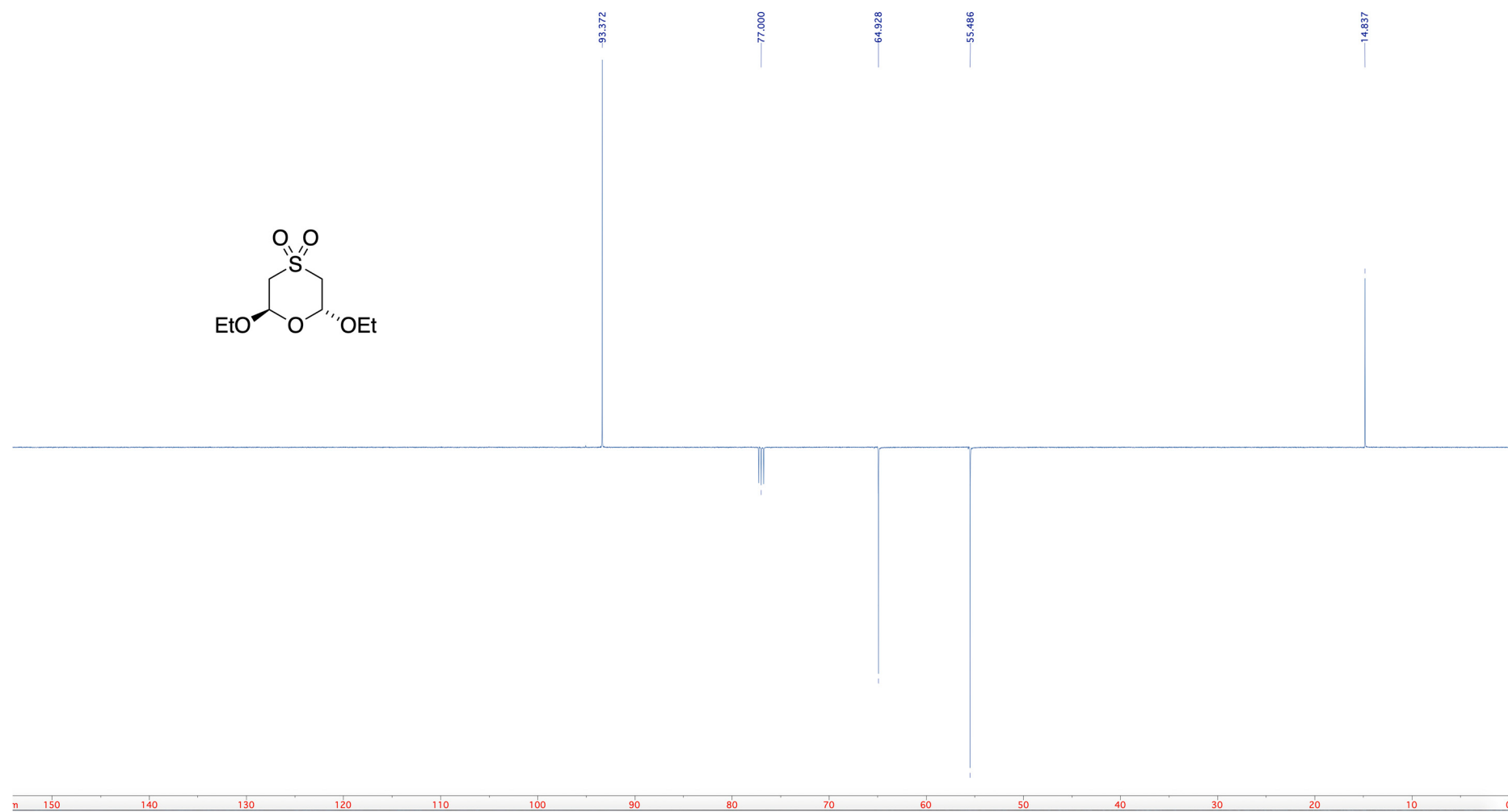


Figure S14. HSQC NMR spectrum of **3**



Figure S15. 300 MHz ^1H NMR spectrum of **4**

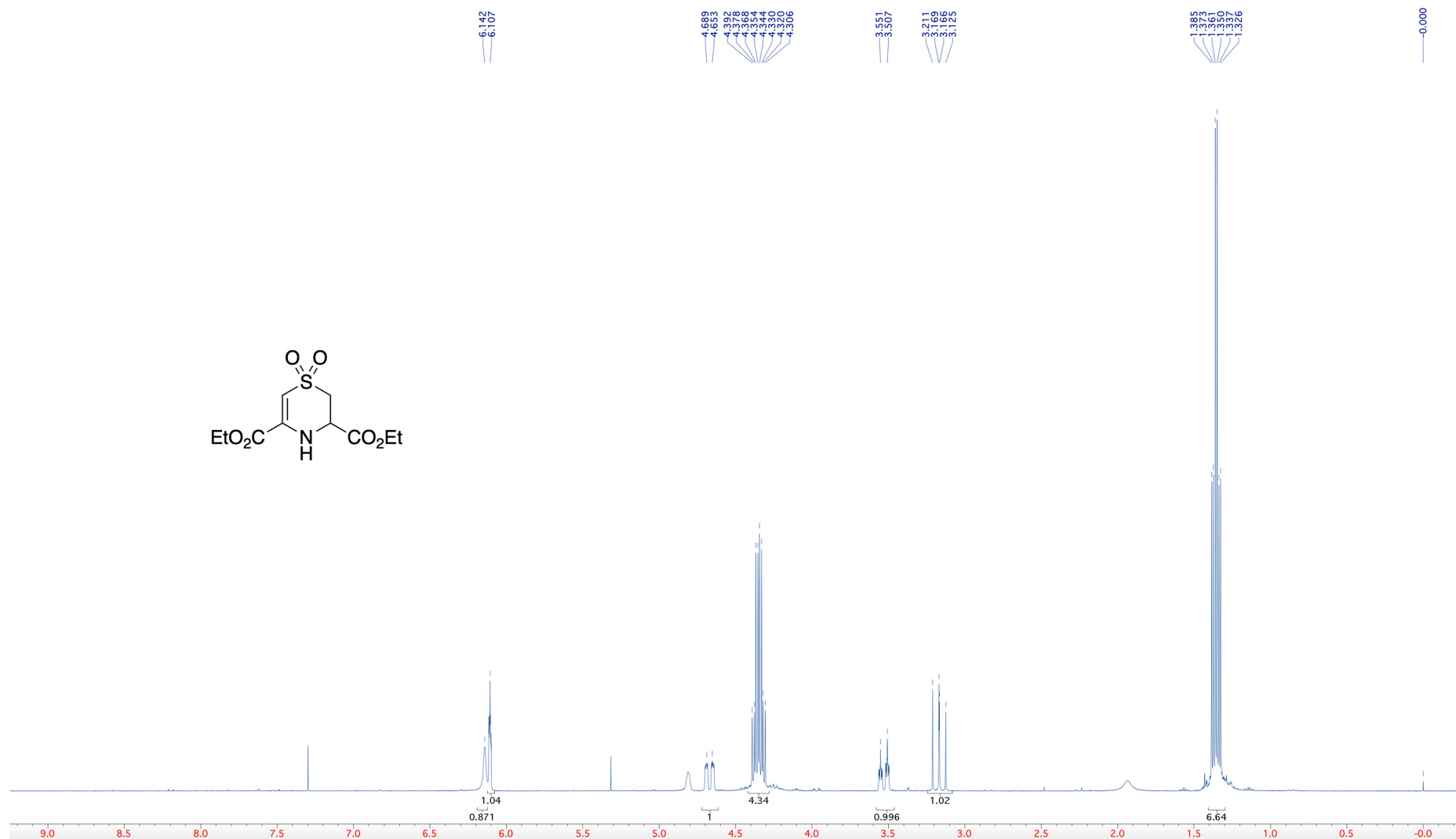


Figure S16. Simulation of ring protons and experimental spectrum (bottom) for **4**

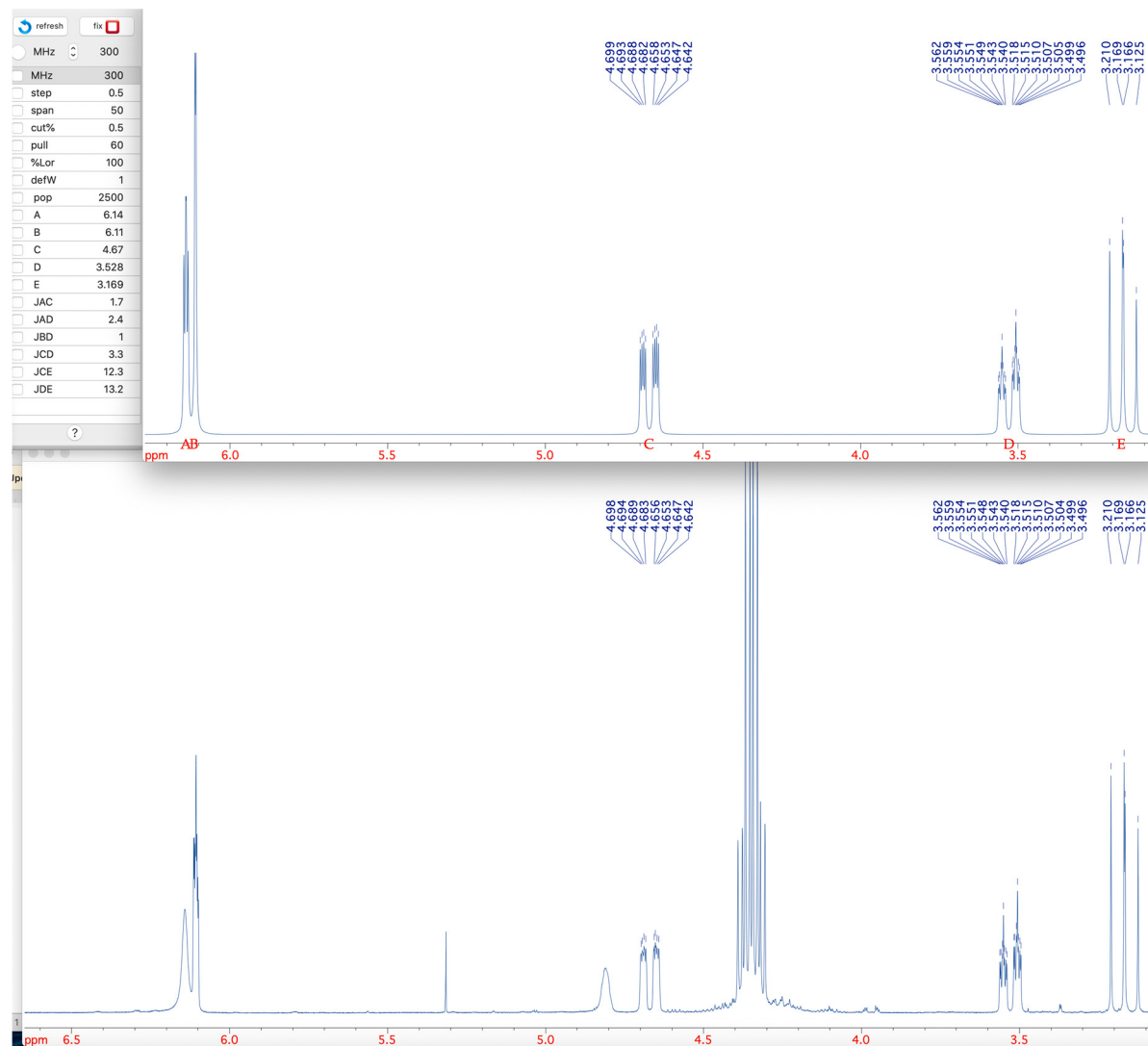


Figure S17. 125 MHz DEPTQ ^{13}C NMR spectrum of **4**

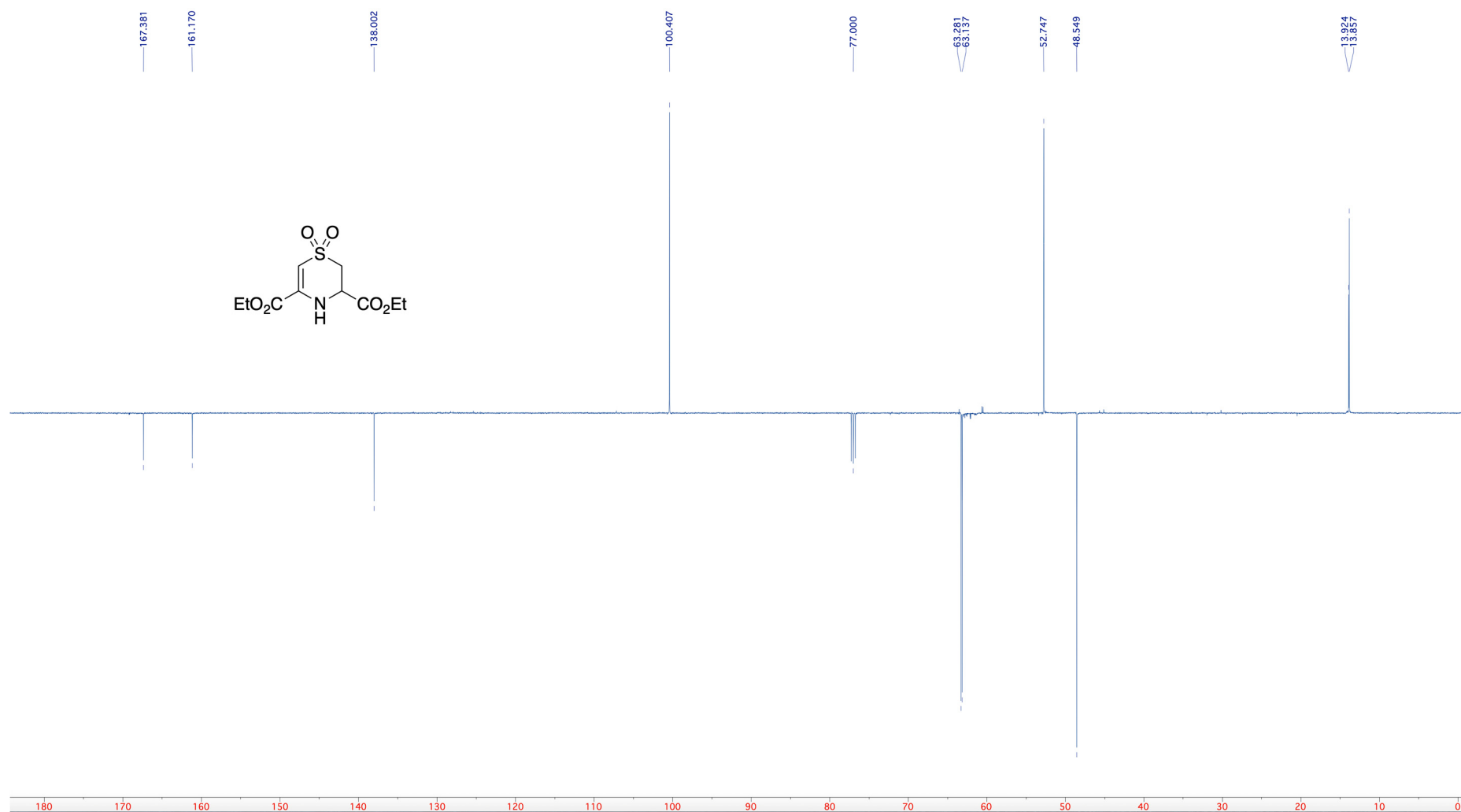


Figure S18. COSY NMR spectrum of **4**

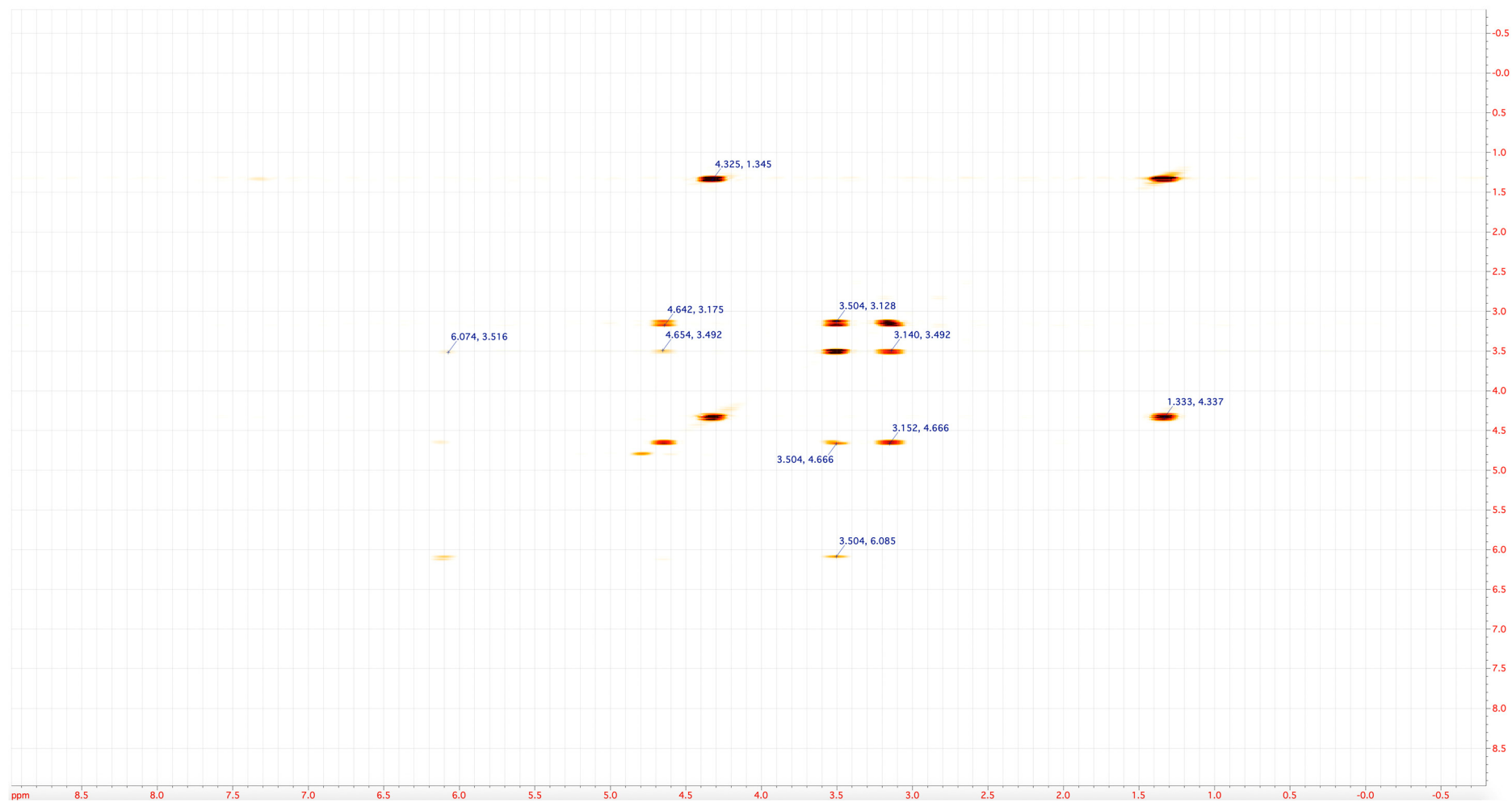


Figure S19. HSQC NMR spectrum of **4**



Figure S20. HMBC NMR spectrum of **4**

