Supporting Information

Synthesis and Characterization of Cholesterol-Based Liquid Crystals Linked with Perfluorinated Alkyl Chains

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NMR Spectra

*NMR spectra of compound **8***

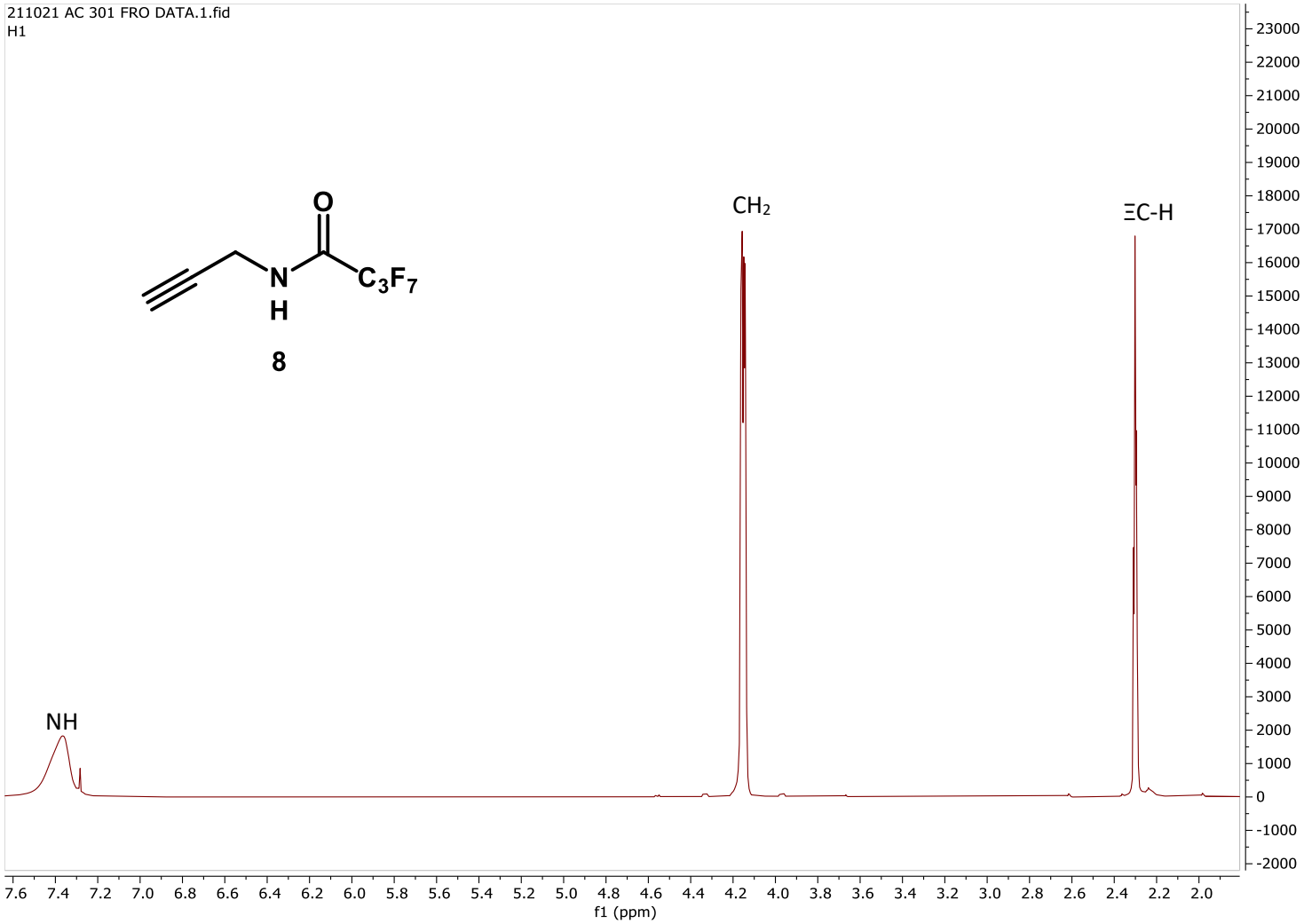


Figure S1. ^{1}H NMR spectrum of compound **8**.

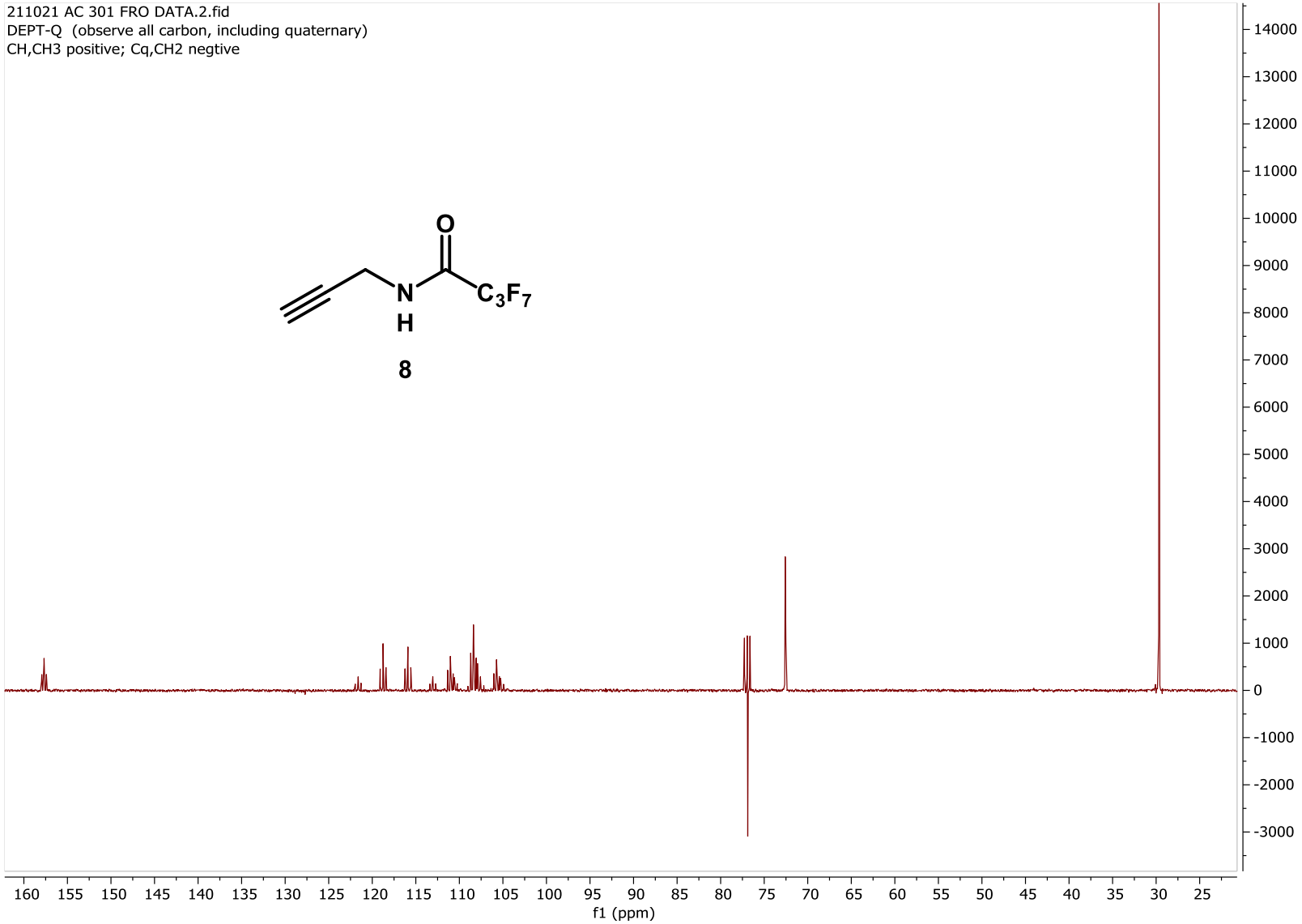


Figure S2. ^{13}C NMR spectrum of compound **8**.

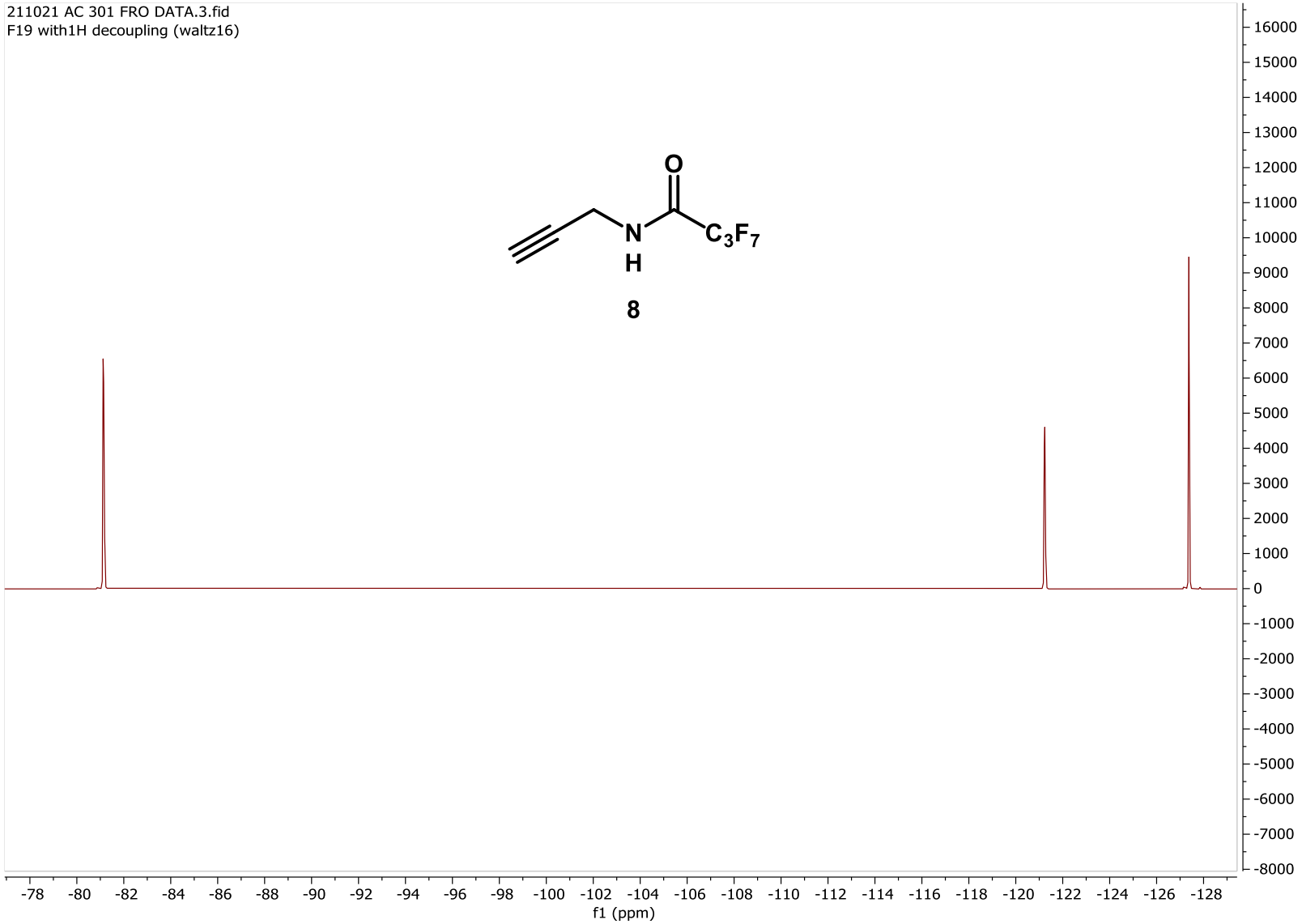


Figure S3. ^{19}F NMR spectrum of compound **8**.

*NMR spectra of compound **9***

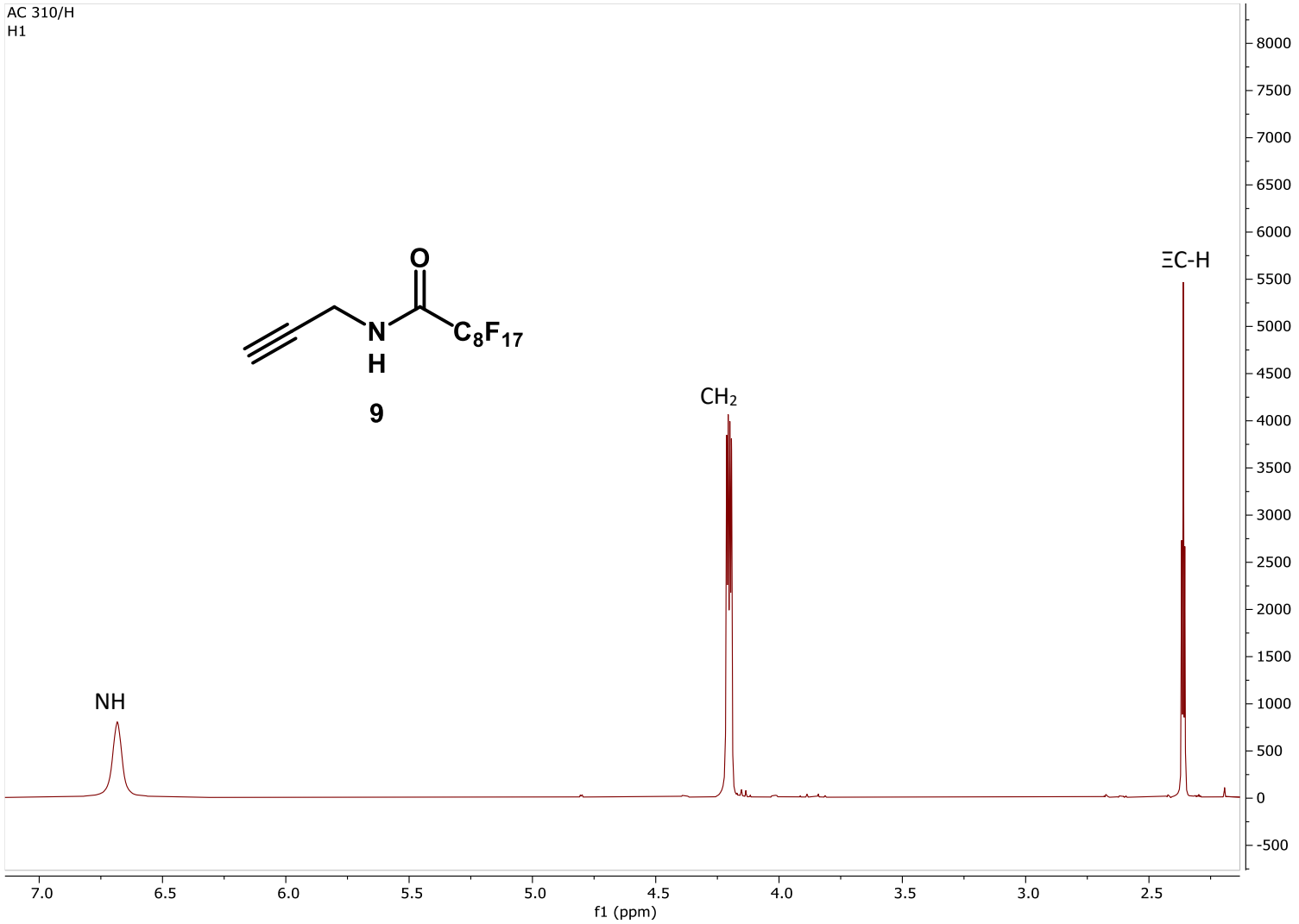


Figure S4. ^{1}H NMR spectrum of compound **9**.

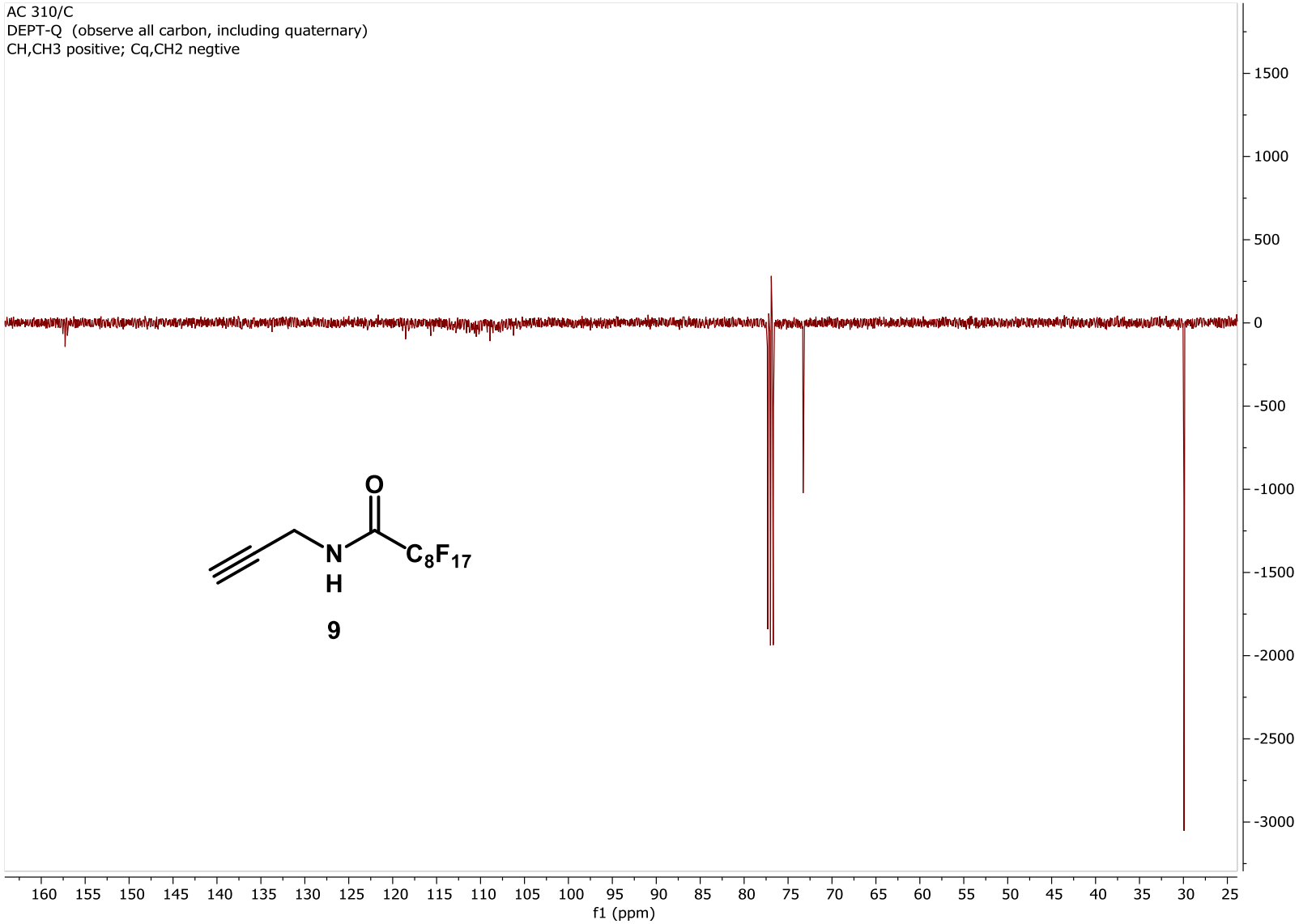


Figure S5. ^{13}C NMR spectrum of compound **9**.

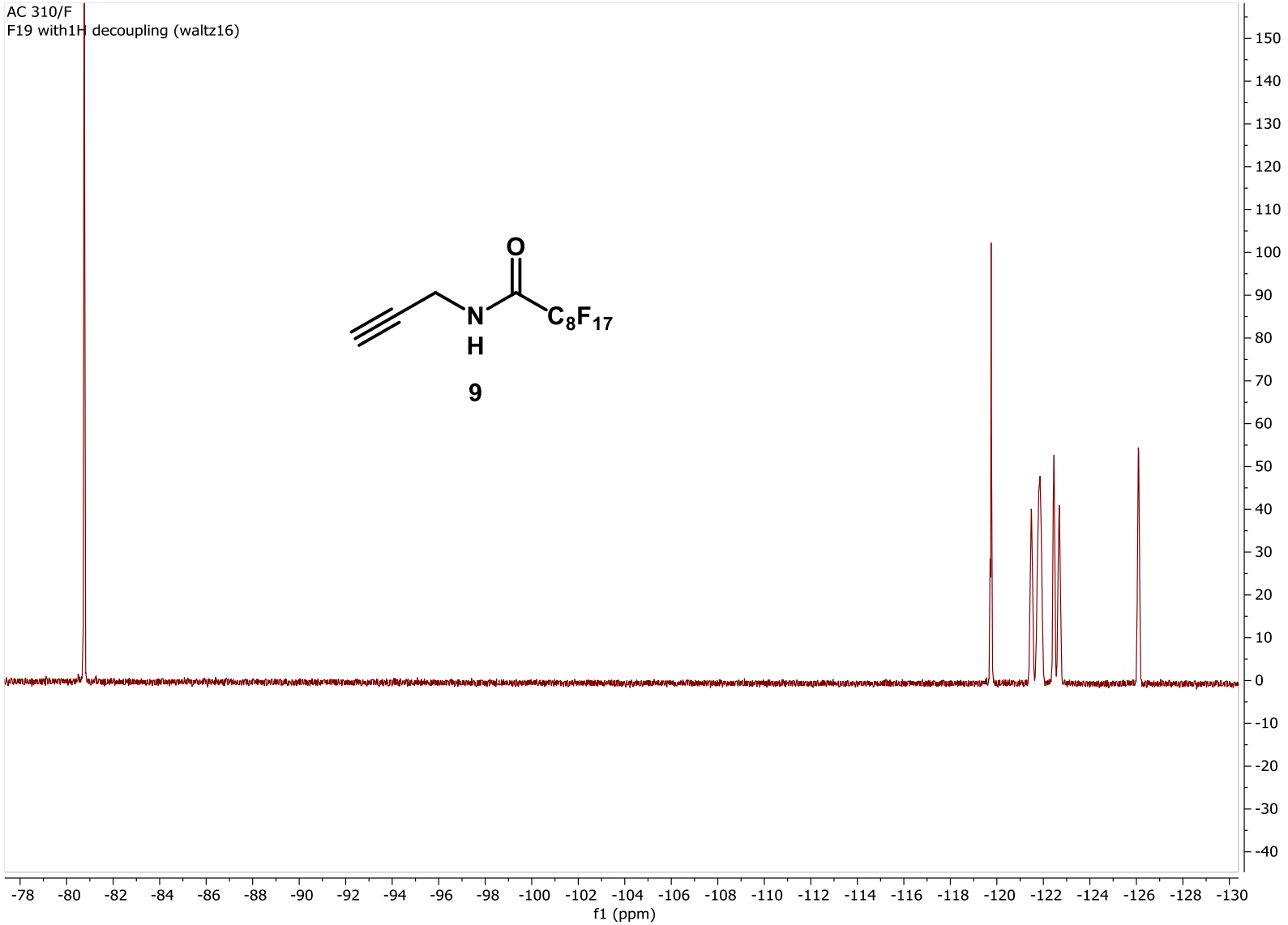


Figure S6. ^{19}F NMR spectrum of compound **9**.

*NMR spectra of compound **5***

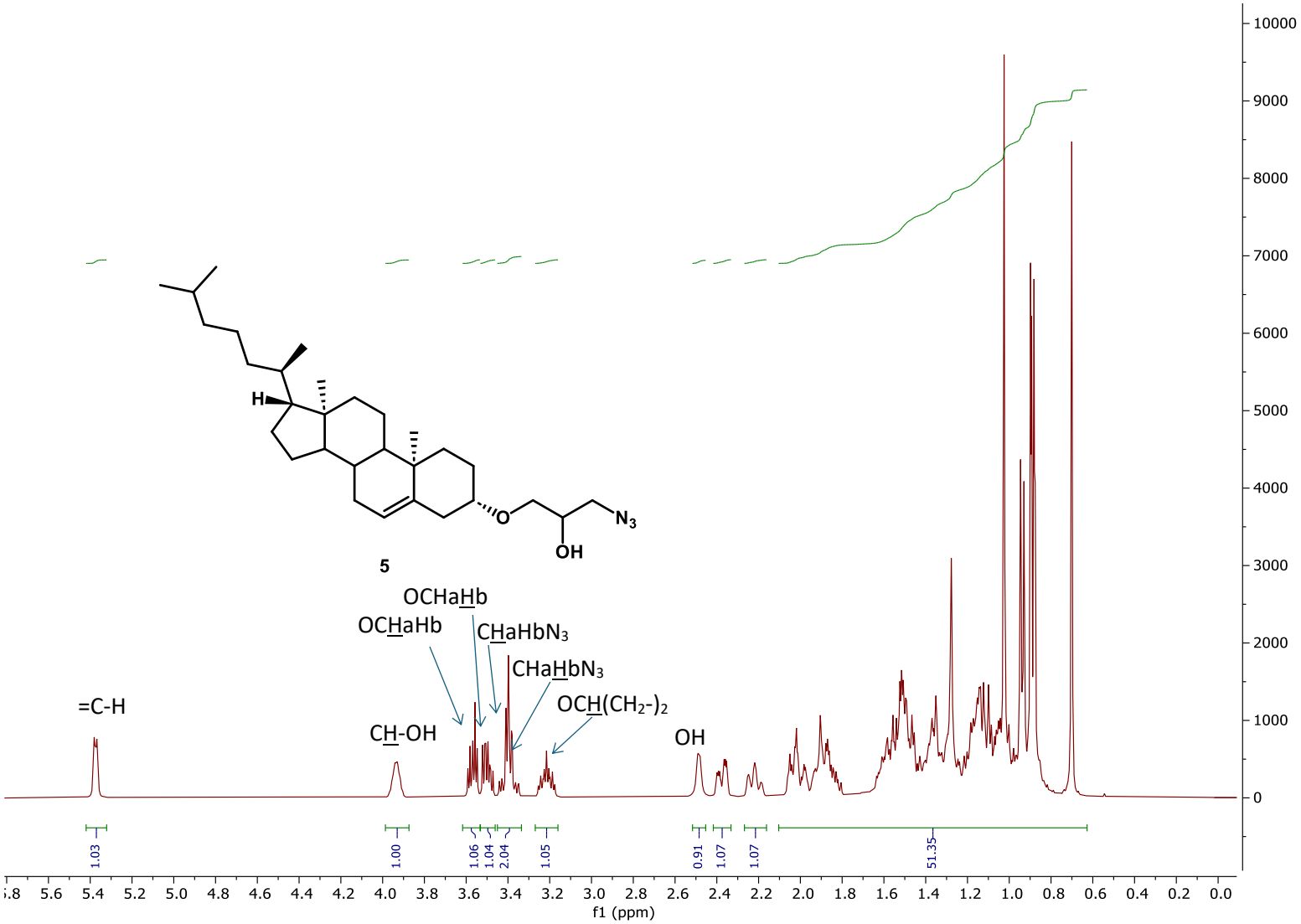


Figure S7. ^{1}H NMR spectrum of compound **5**.

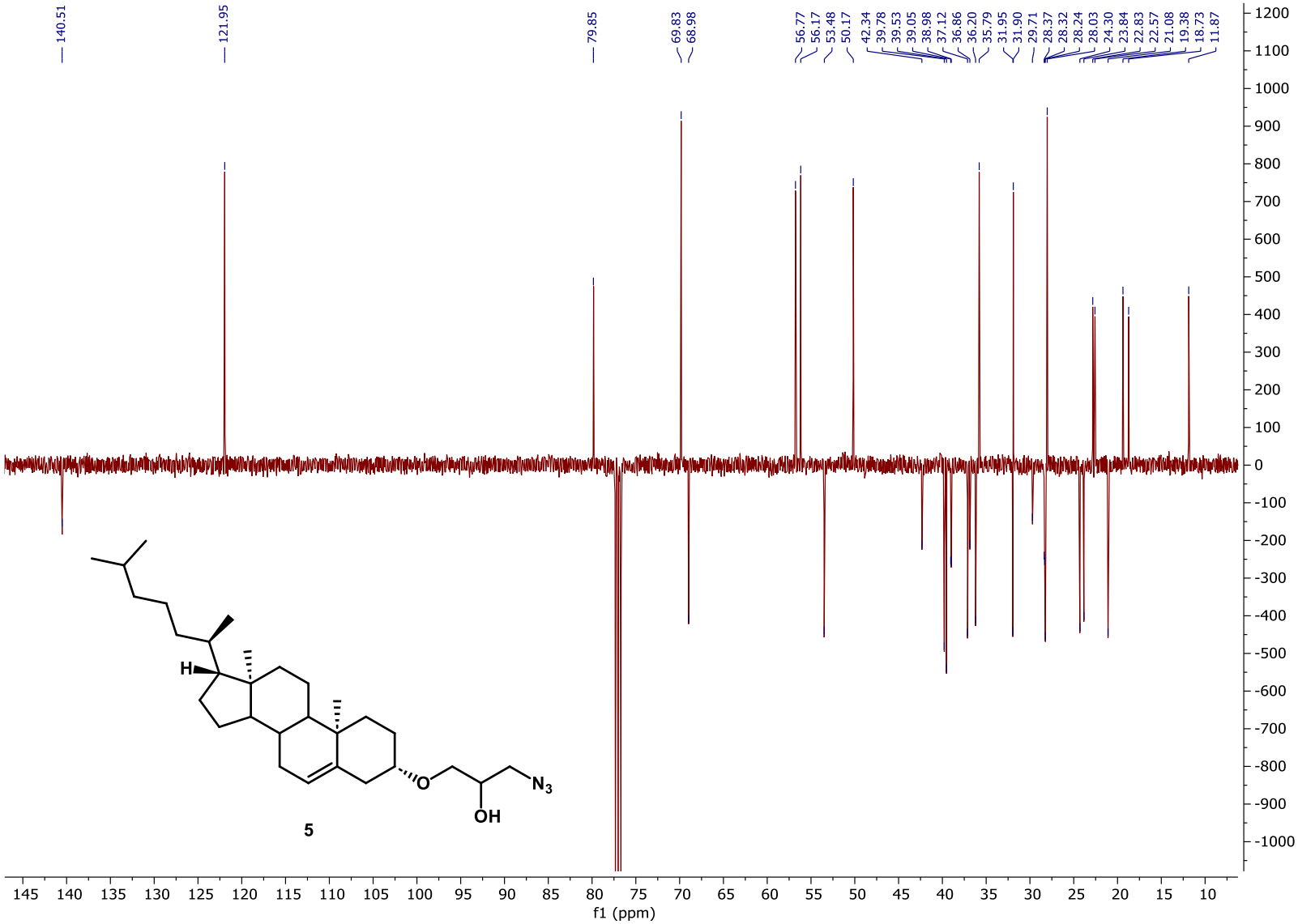


Figure S8. ^{13}C NMR spectrum of compound **5**.

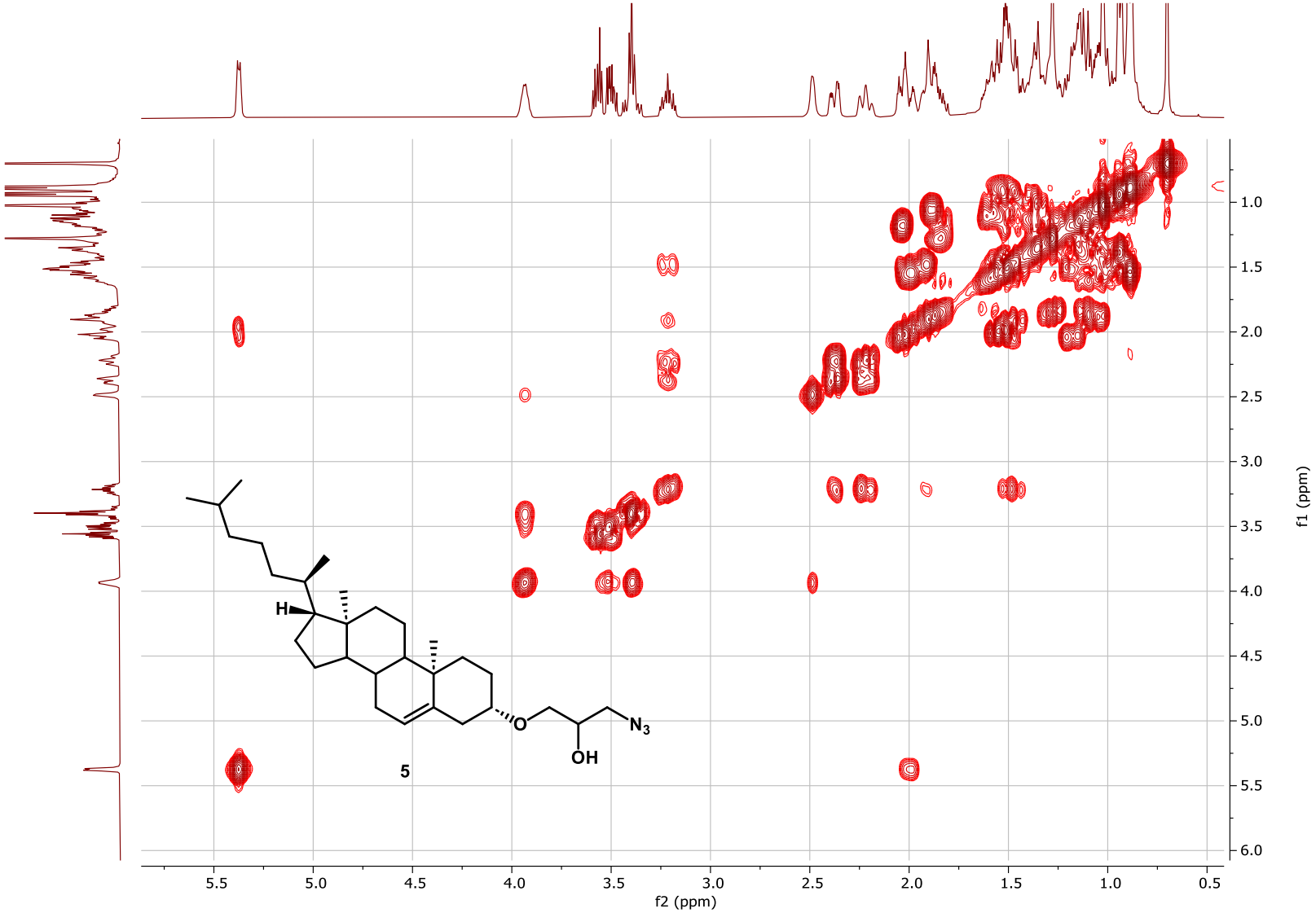


Figure S9. ^{1}H-^{1}H COSY NMR spectrum of compound **5**.

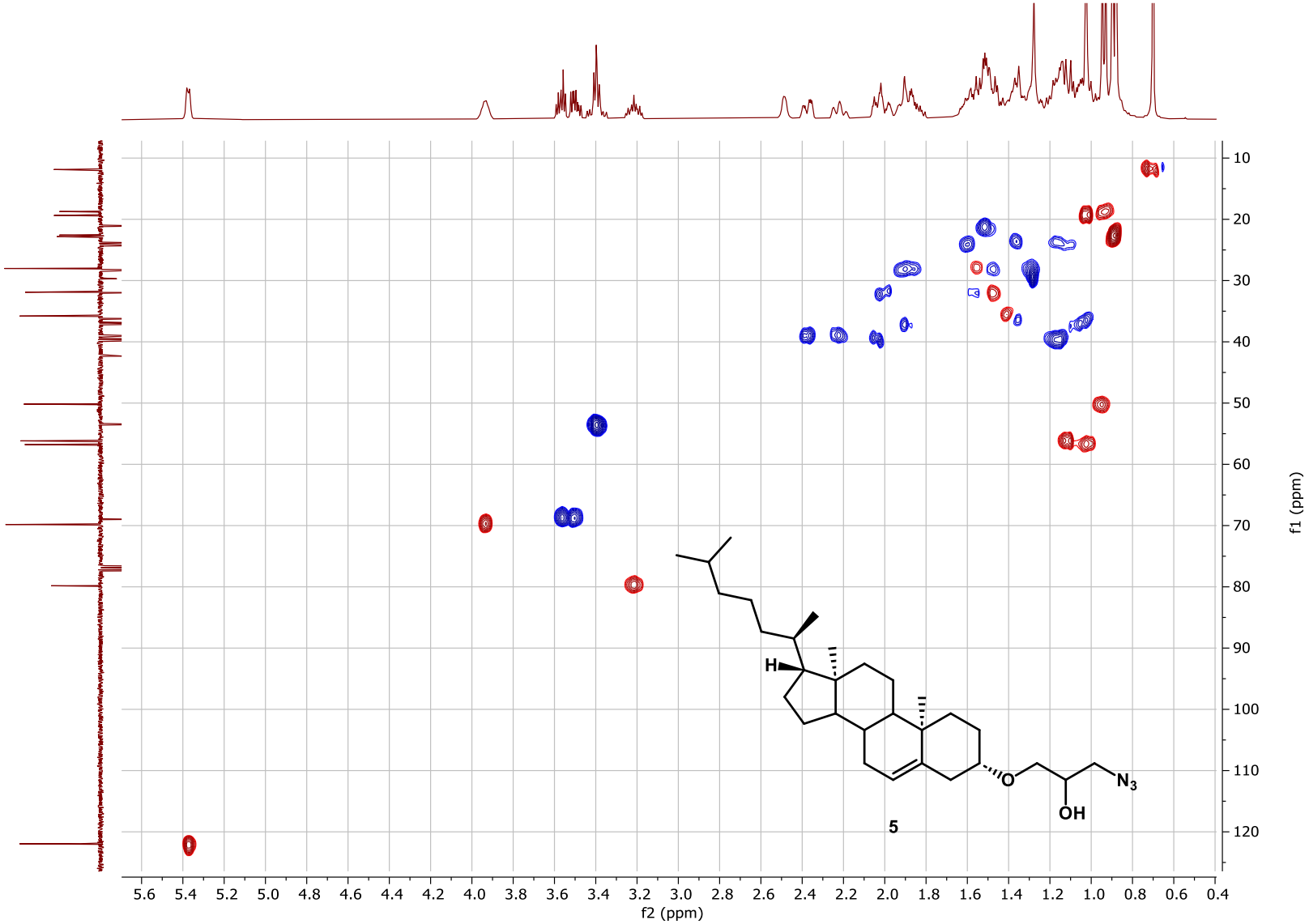


Figure S10. ^{1}H-^{13}C HSQC NMR spectrum of compound **5**.

*NMR spectra of compound **1***

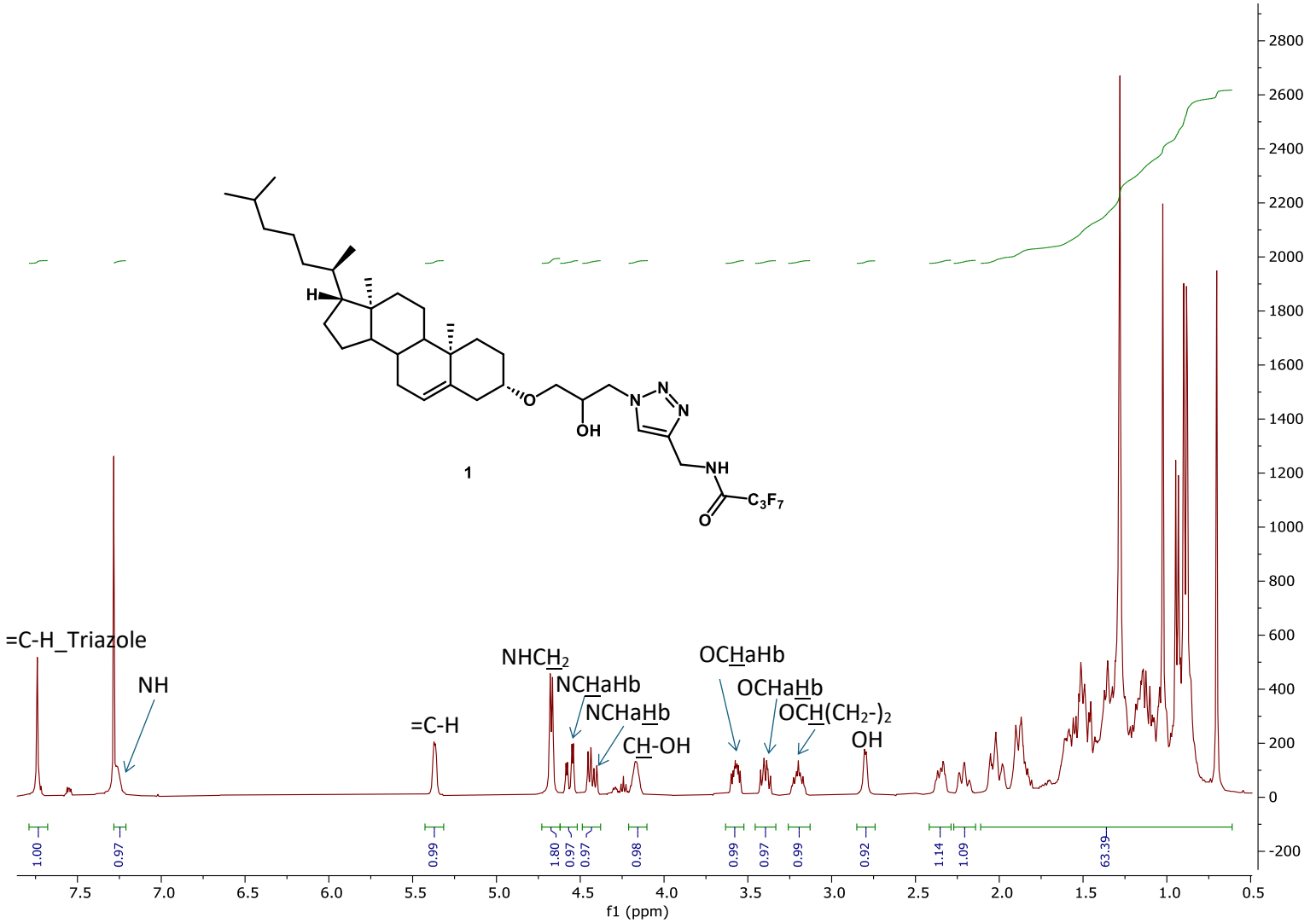


Figure S11. ^{1}H NMR spectrum of compound **1**.

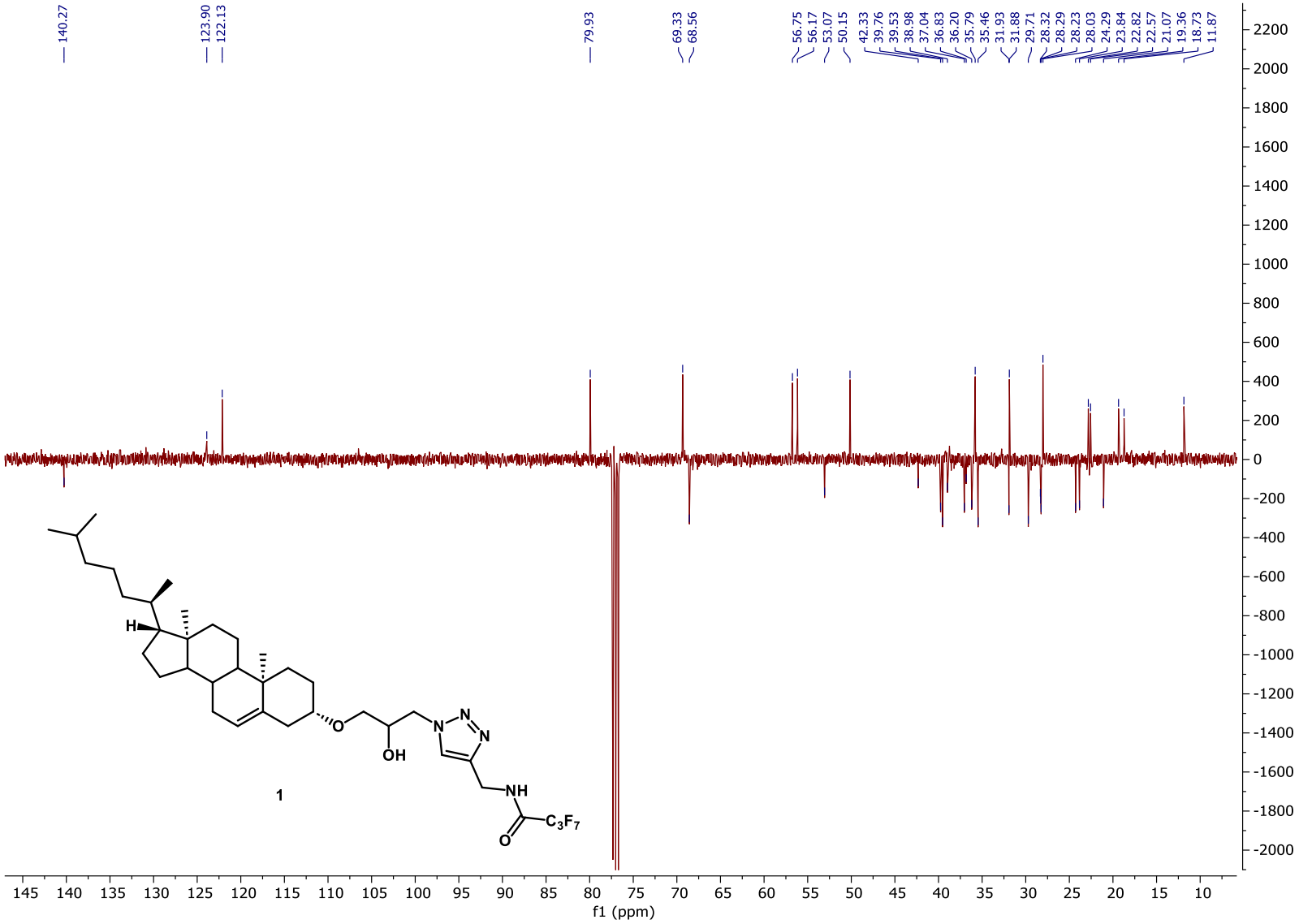


Figure S12. ^{13}C NMR spectrum of compound **1**.

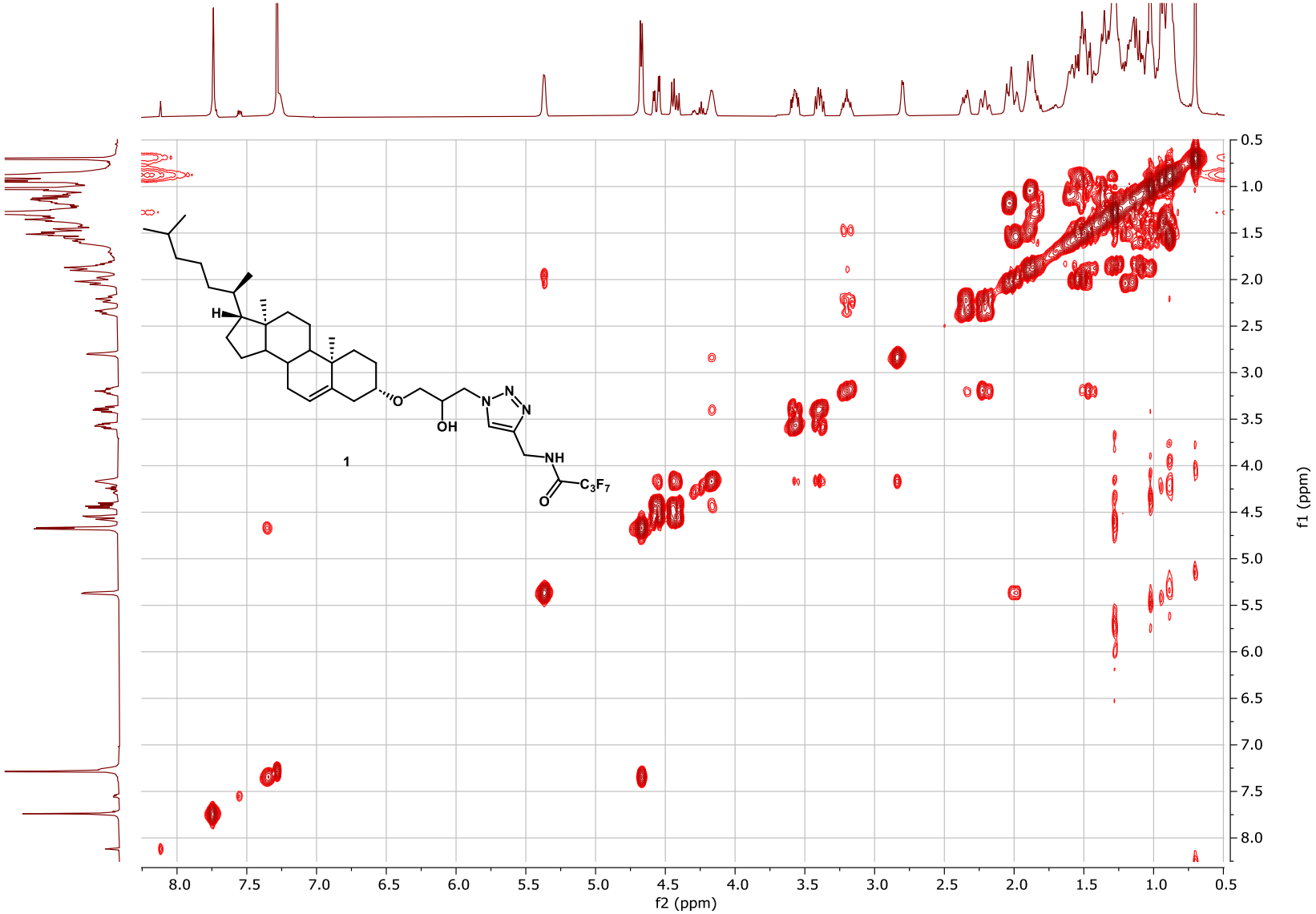


Figure S13. ^{1}H-^{1}H COSY NMR spectrum of compound **1**.

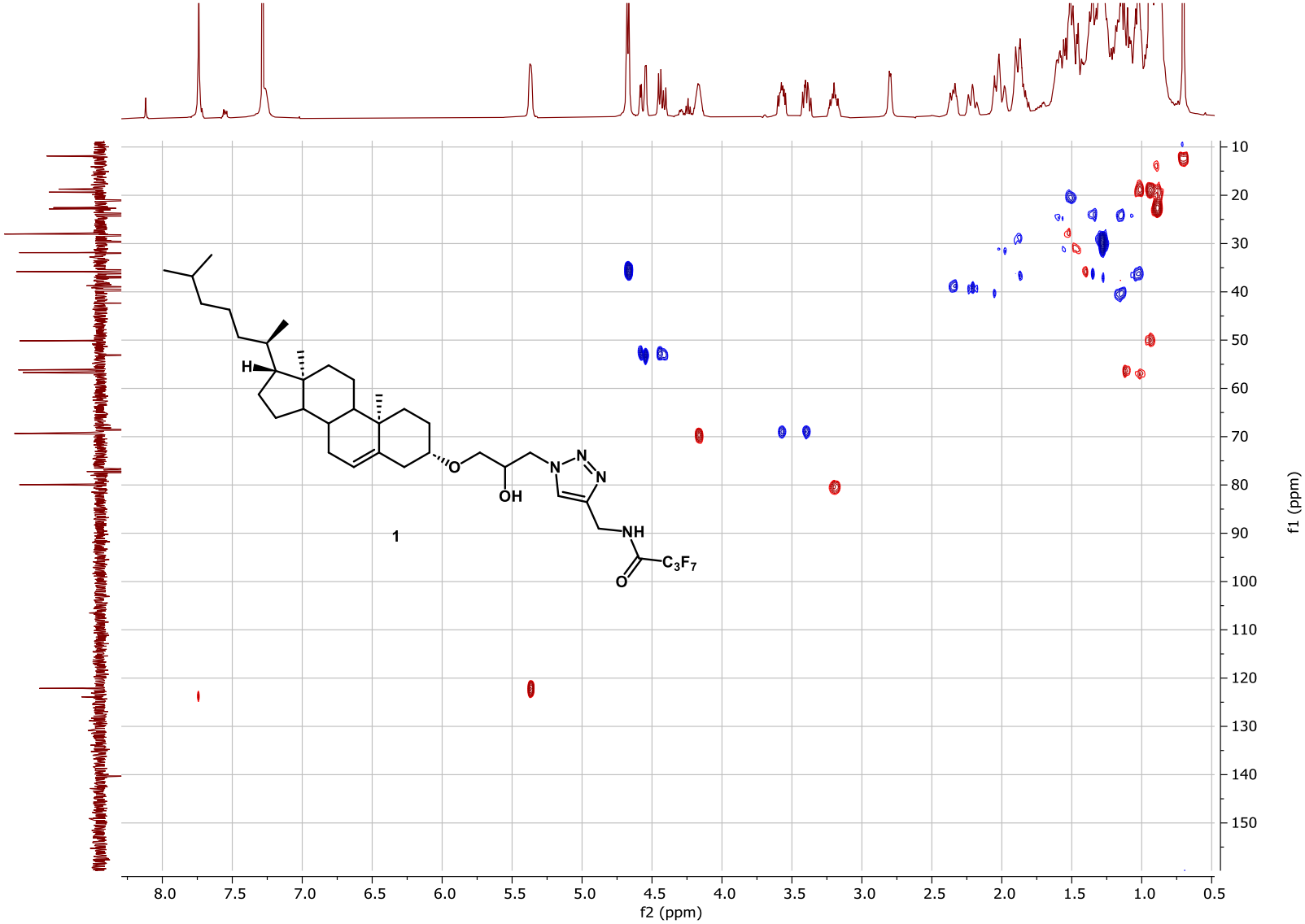


Figure S14. ^{1}H-^{13}C HSQC NMR spectrum of compound **1**.

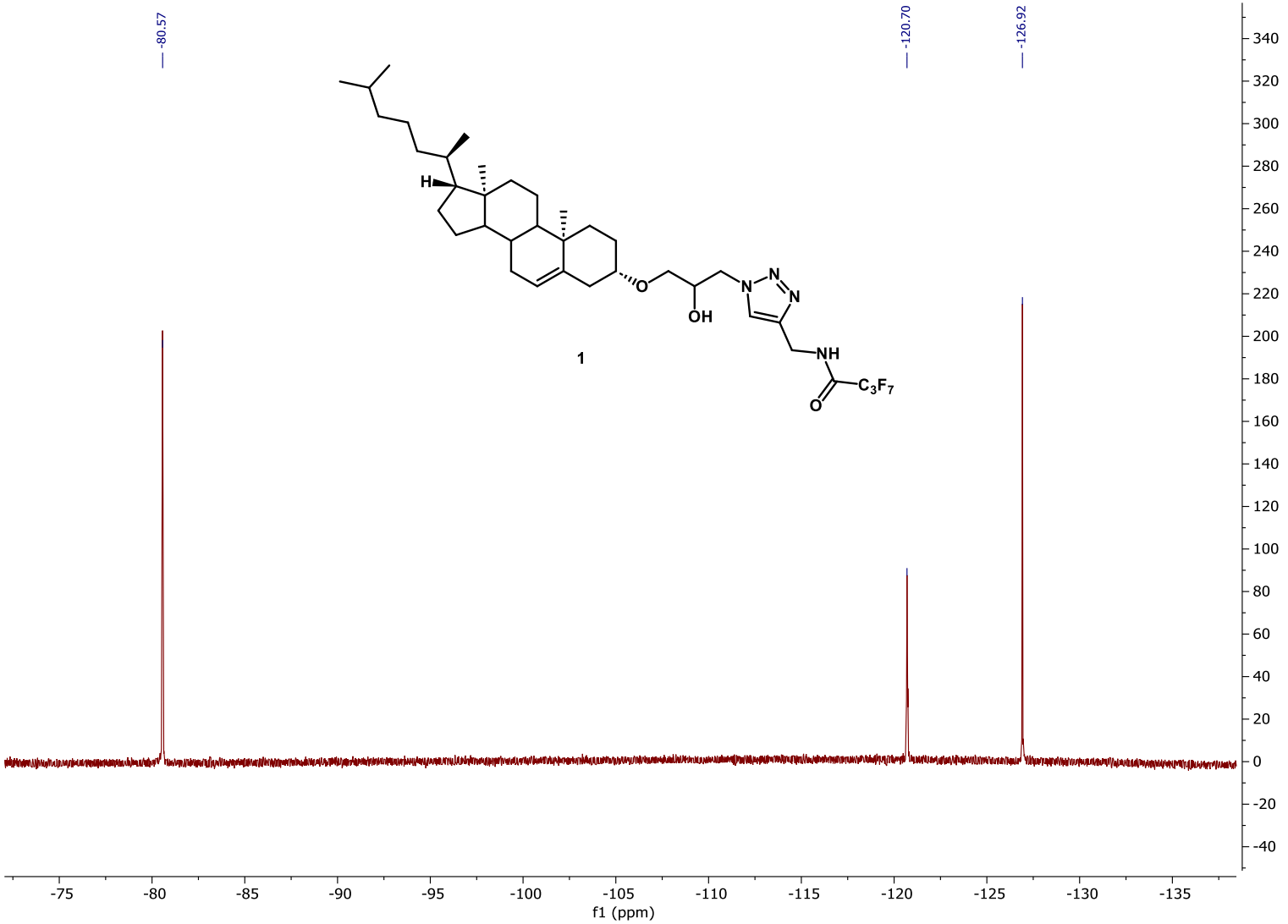


Figure S15. ^{19}F NMR spectrum of compound **1**.

*NMR spectra of compound **2***

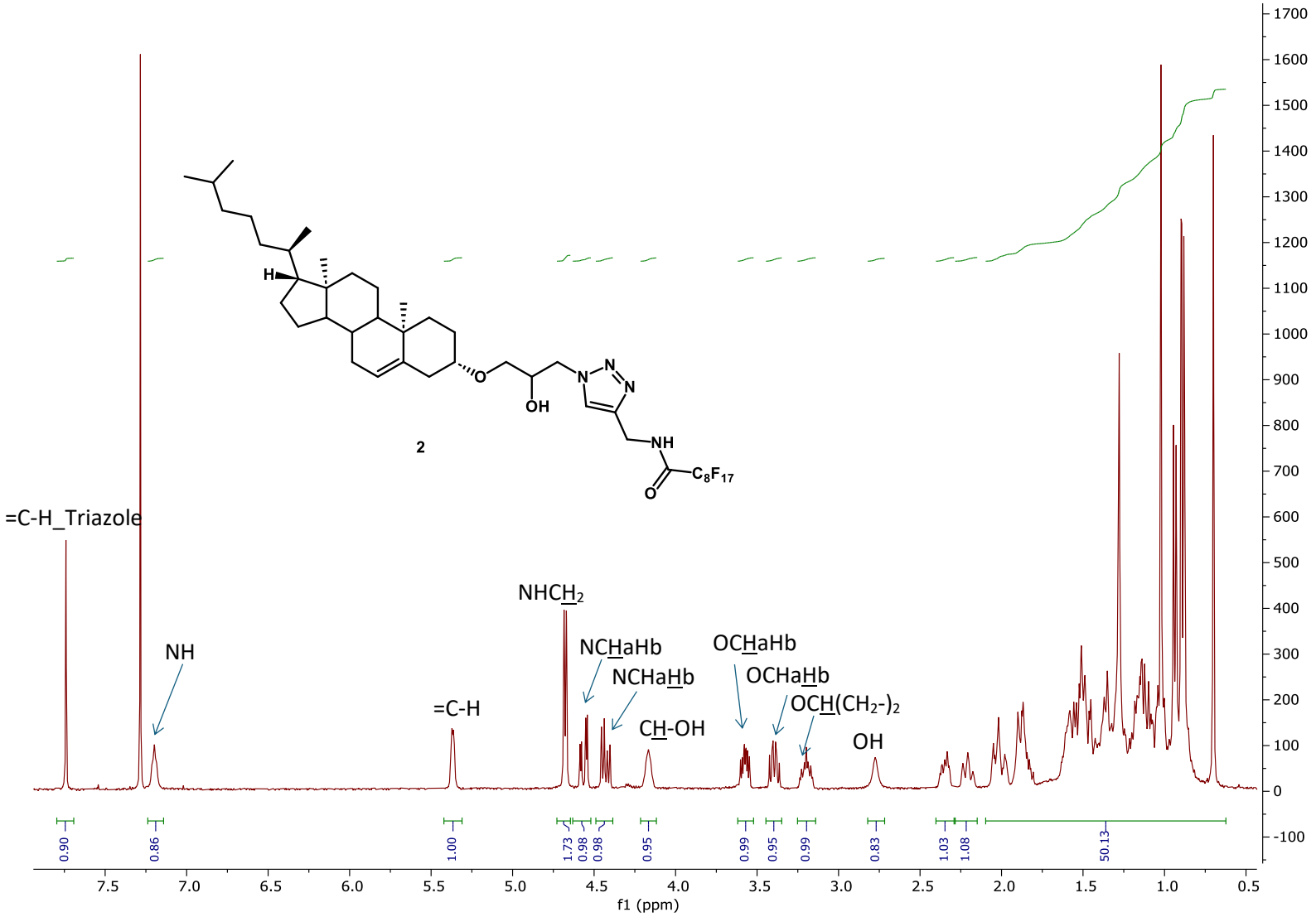


Figure S16. ^{1}H NMR spectrum of compound **2**.

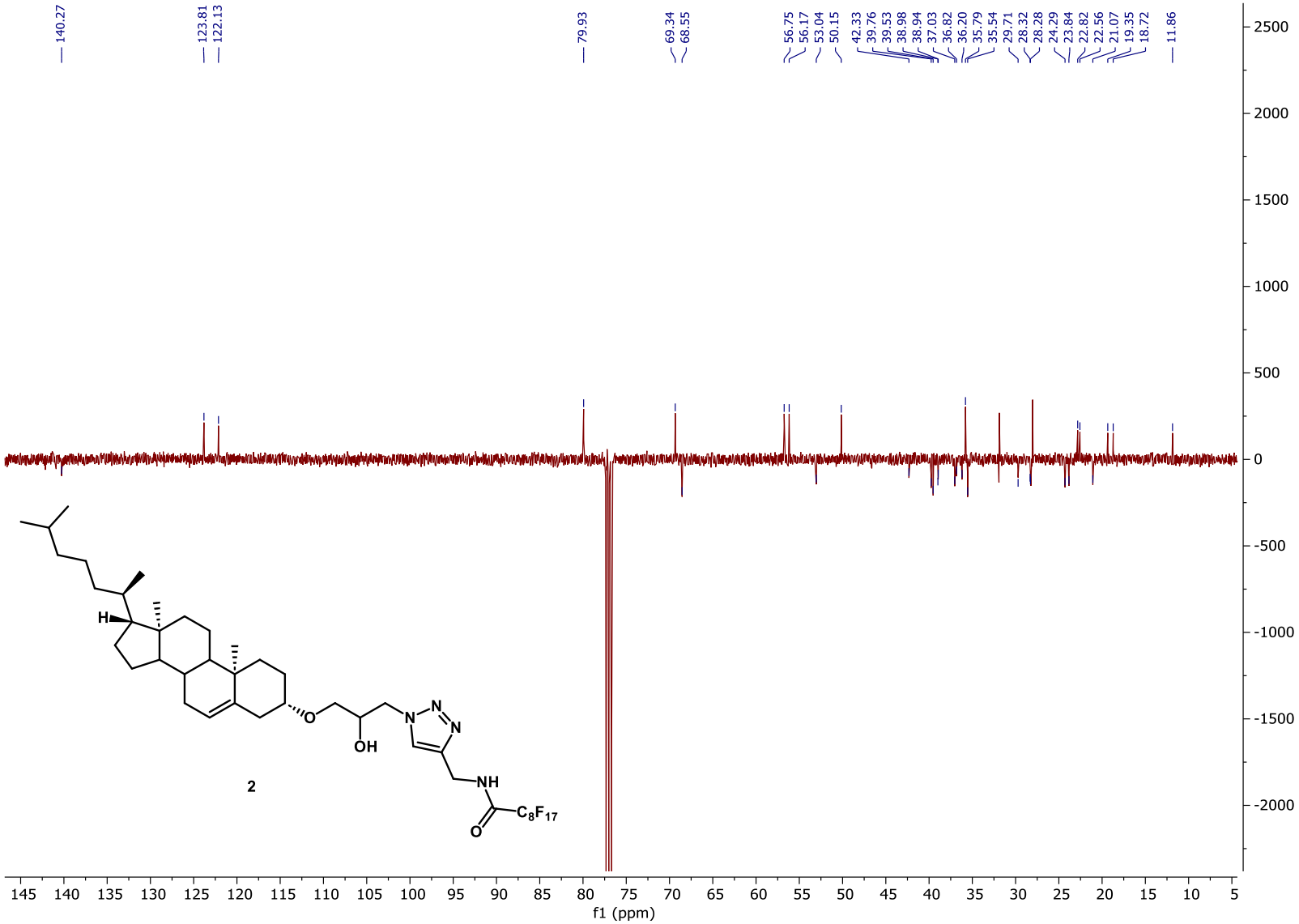


Figure S17. ^{13}C NMR spectrum of compound **2**.

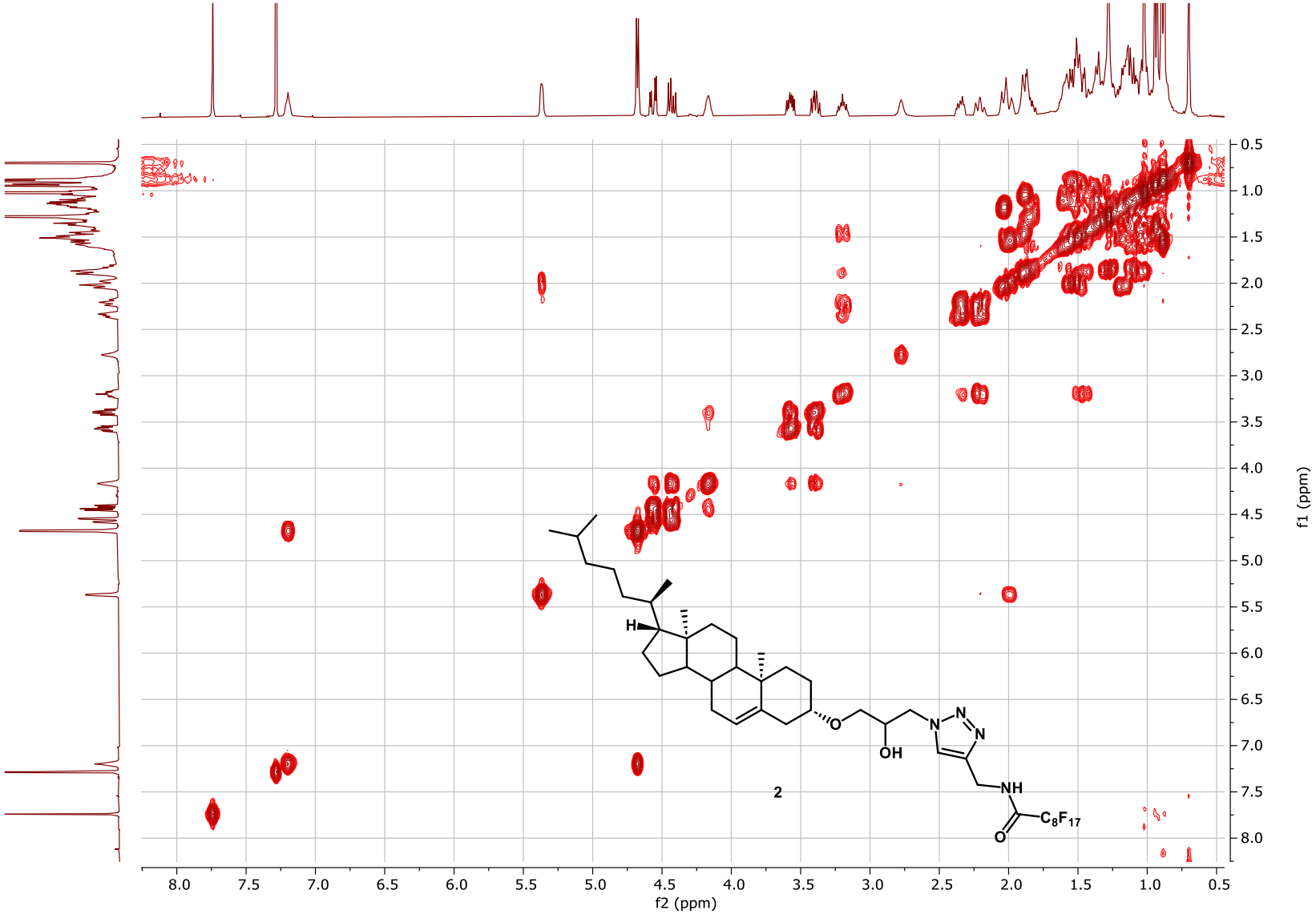


Figure S18. ^{1}H-^{1}H COSY NMR spectrum of compound **2**.

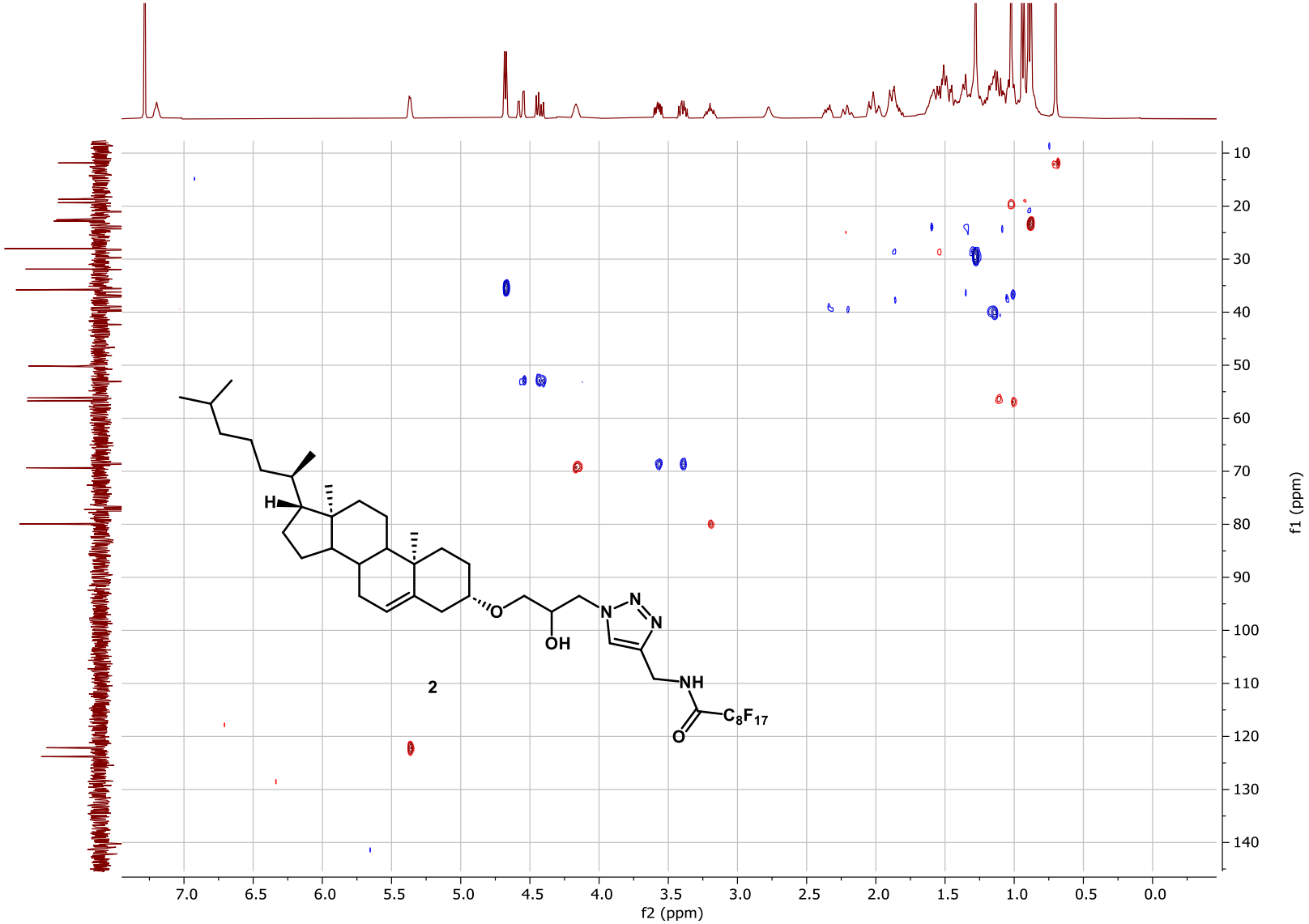


Figure S19. ^{1}H-^{13}C HSQC NMR spectrum of compound **2**.

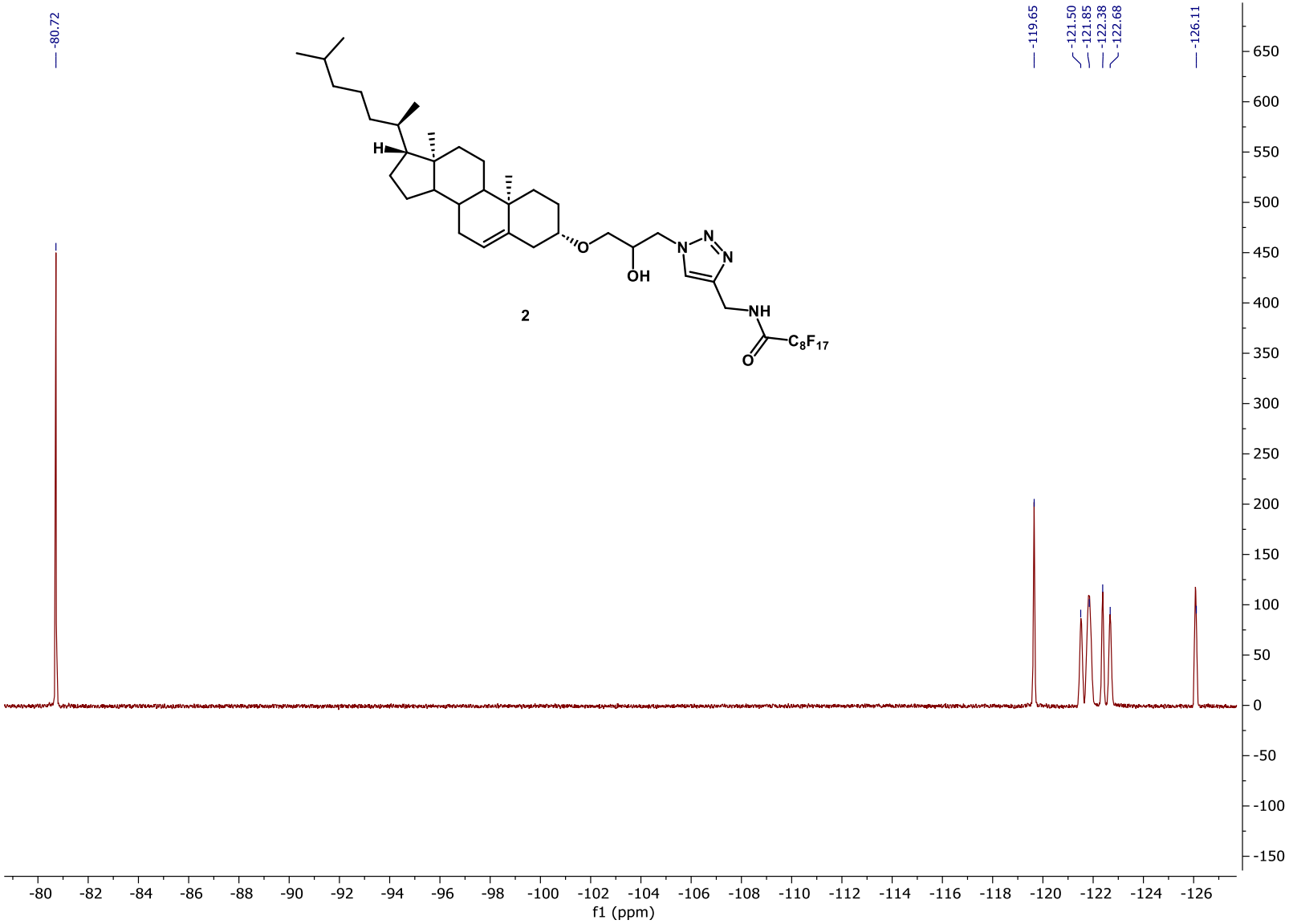


Figure S20. ^{19}F NMR spectrum of compound **2**.