

Supporting Information

Amphiphilic Corannulene Derivatives: Synthetic Access and Development of a Structure/Property Relationship in Thermoresponsive Buckybowl Amphiphiles

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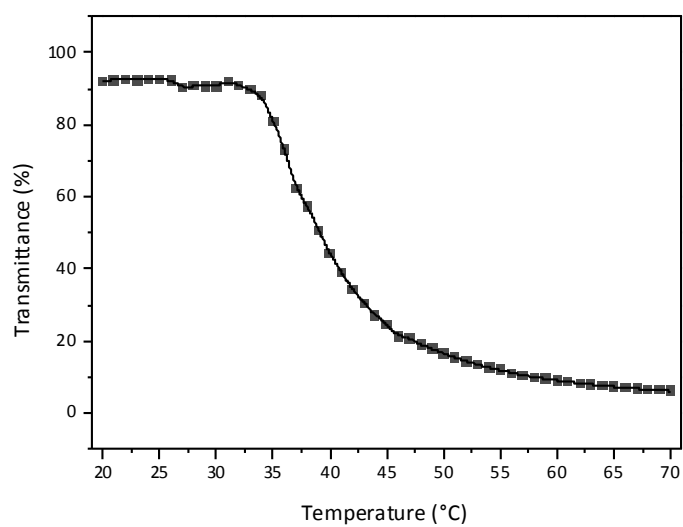


Figure S1. Transmittance data for compound **17**.

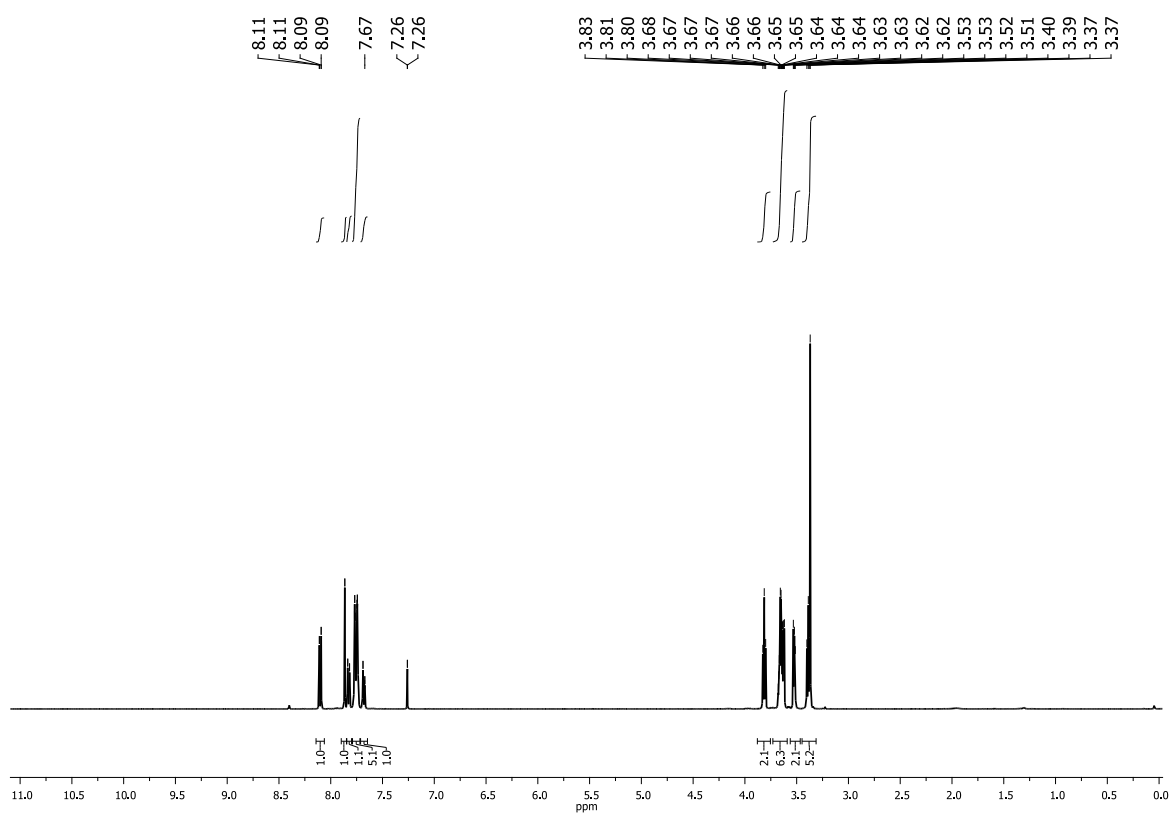


Figure S2. ^1H NMR spectrum of compound **2** (500 MHz, CDCl_3).

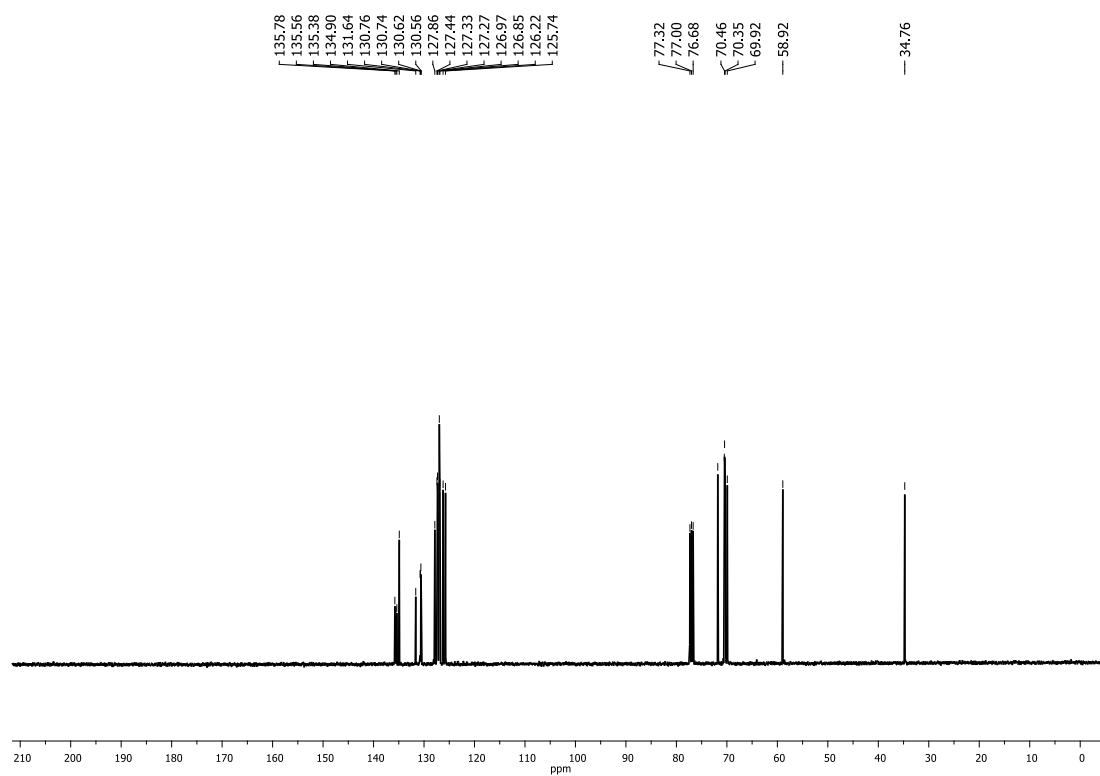


Figure S3. ¹³C NMR spectrum of compound **2** (100 MHz, CDCl₃).

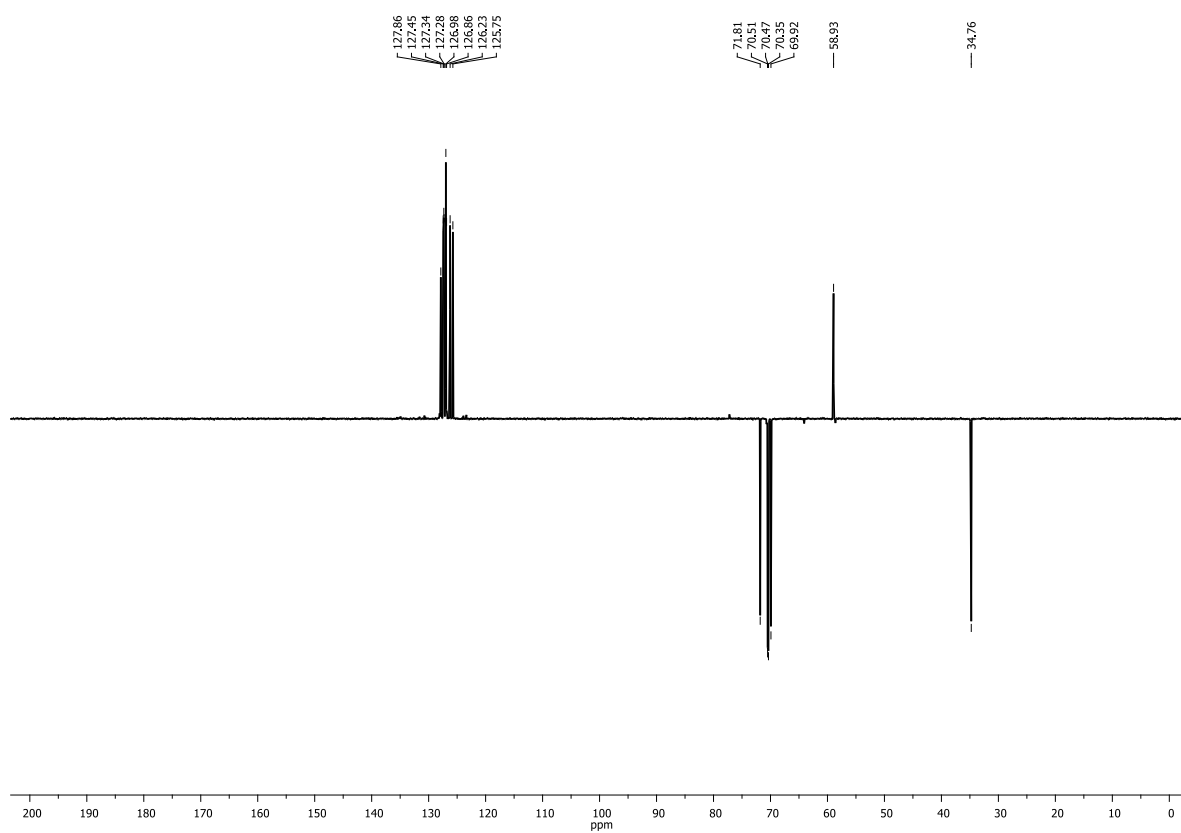


Figure S4. DEPT-135 NMR spectrum of compound **2** (100 MHz, CDCl₃).

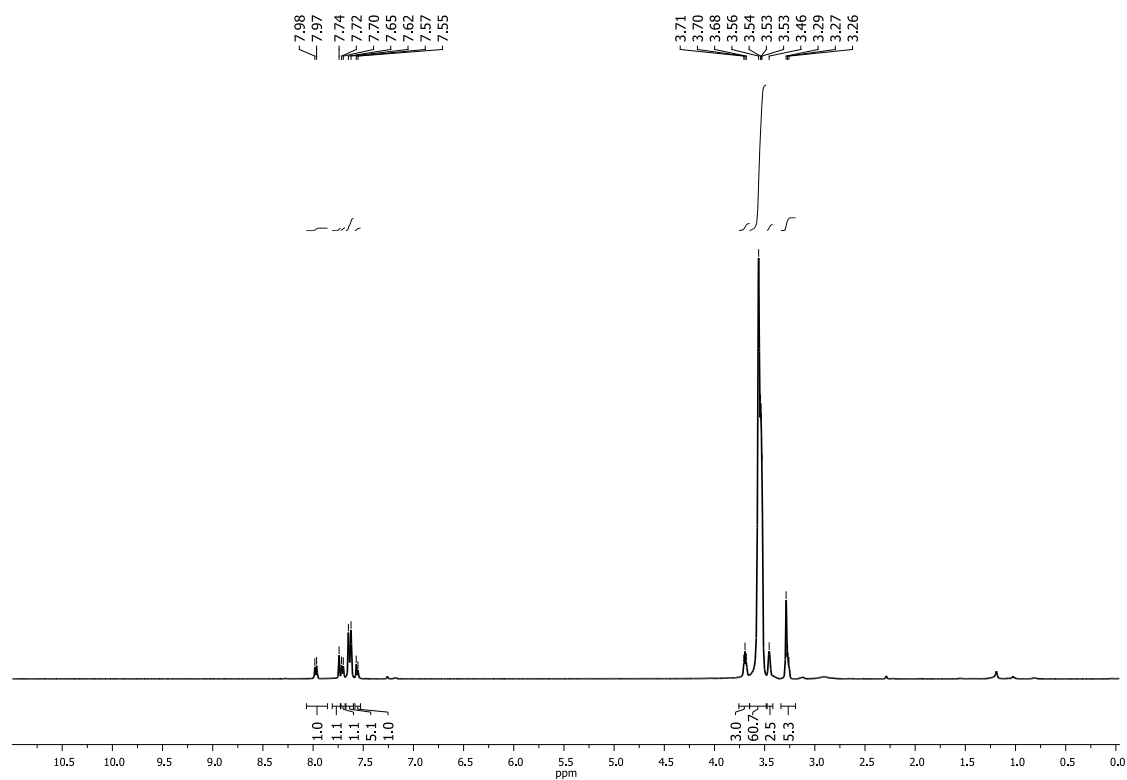


Figure S5. ¹H NMR spectrum of compound **4** (500 MHz, CDCl₃).

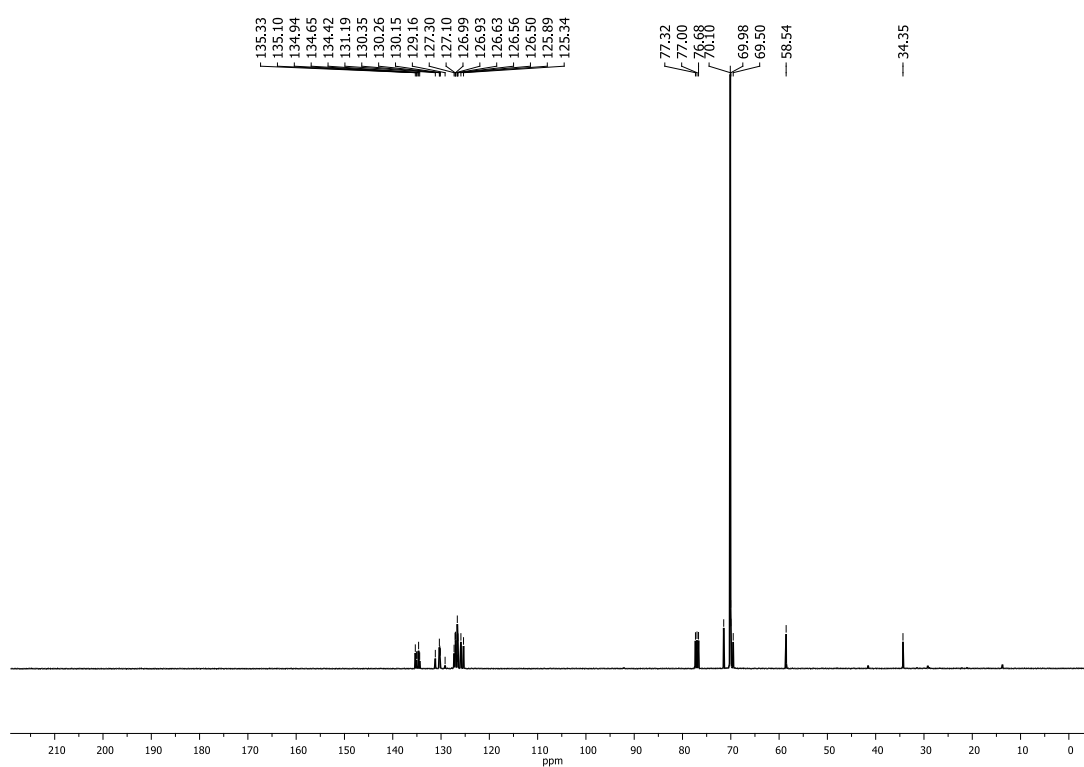


Figure S6. ¹³C NMR spectrum of compound **4** (100 MHz, CDCl₃).

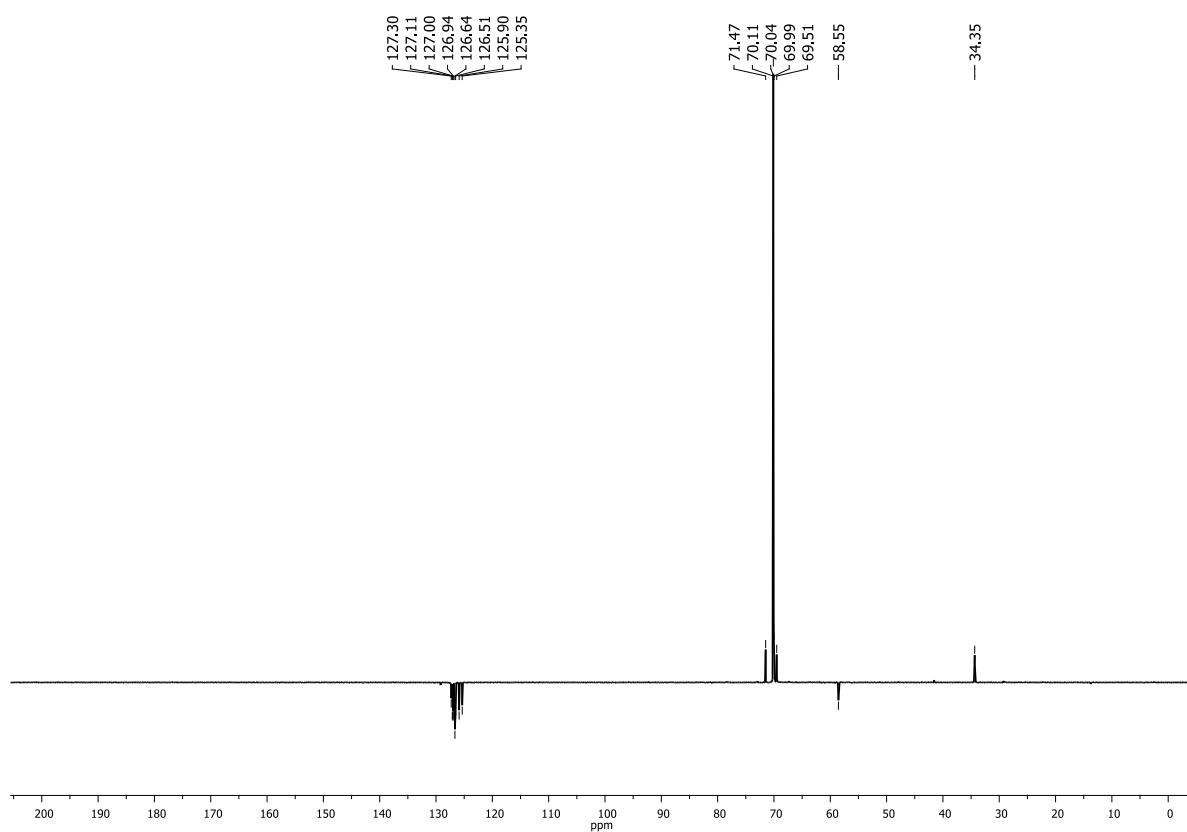


Figure S7. DEPT-135 spectrum of compound **4** (100 MHz, CDCl₃).

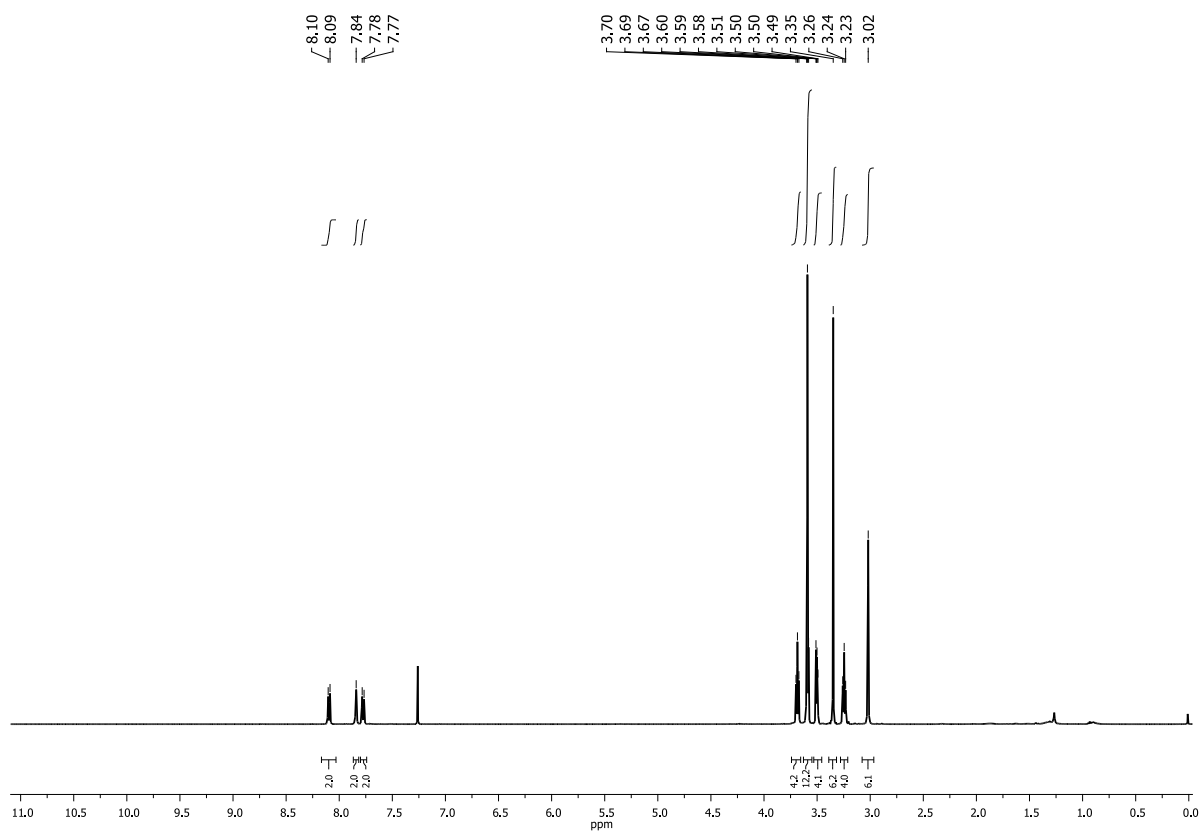


Figure S8. ^1H NMR spectrum of compound **5** (500 MHz, CDCl_3).

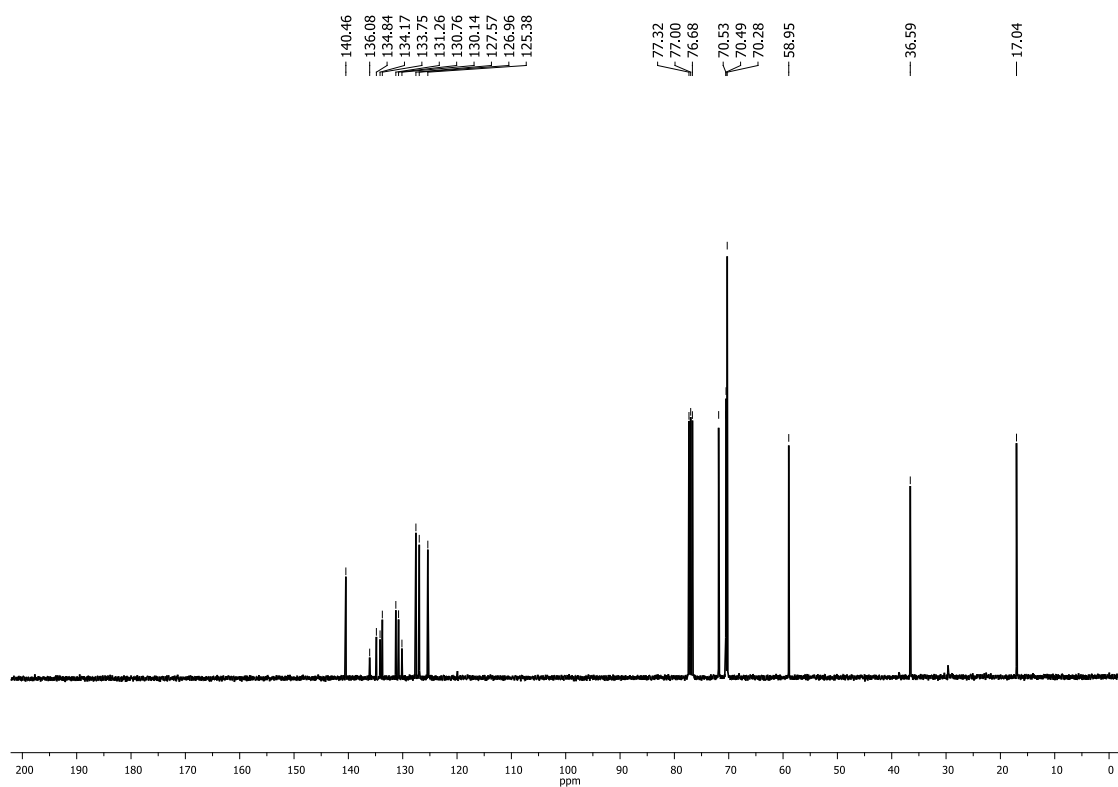


Figure S9. ^{13}C NMR spectrum of compound **5** (100 MHz, CDCl_3).

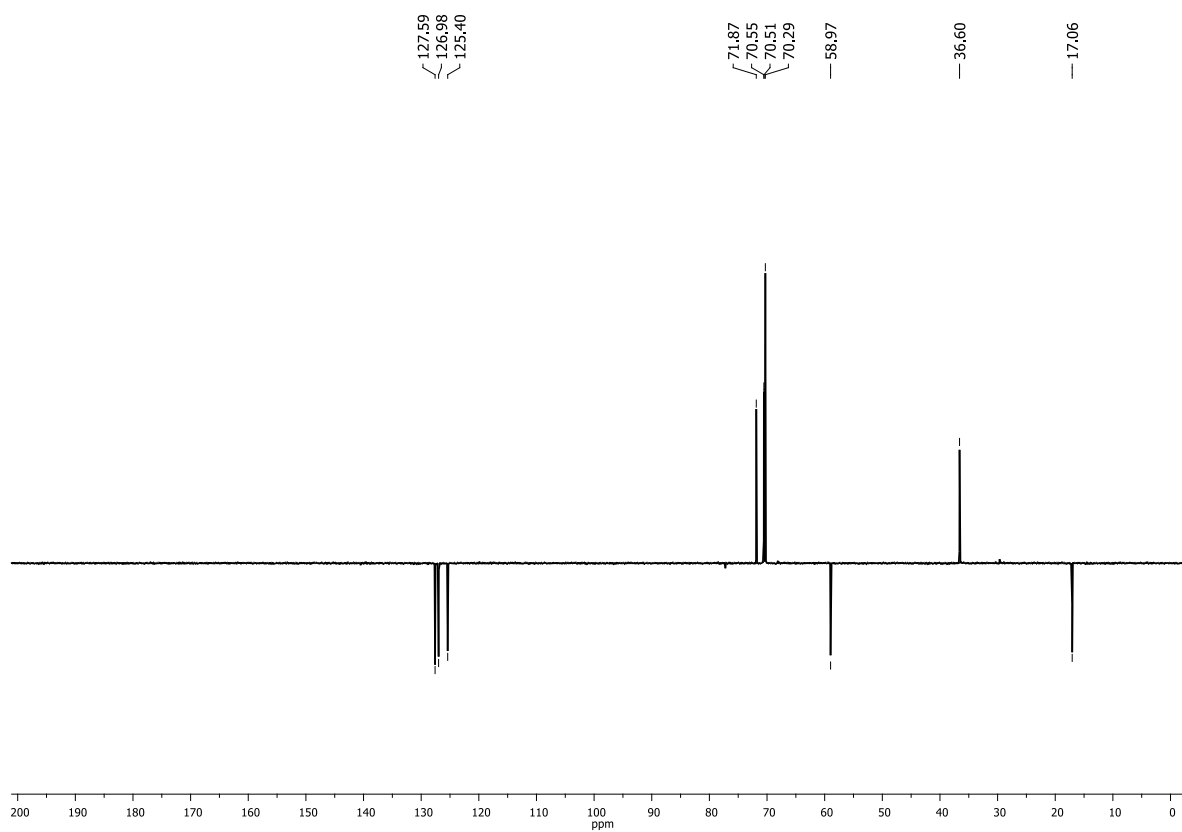


Figure S10. DEPT-135 spectrum of compound **5** (100 MHz, CDCl₃).

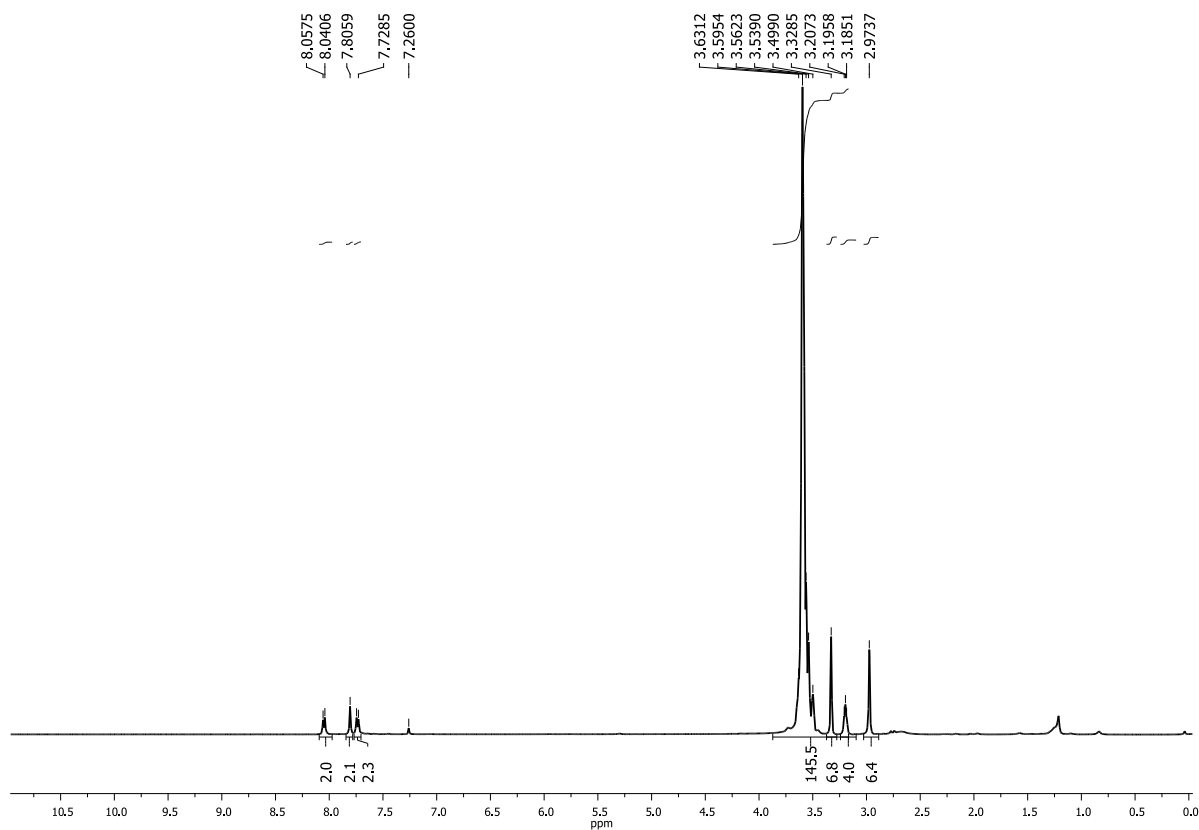


Figure S11. ¹H NMR spectrum of compound **6** (500 MHz, CDCl₃).

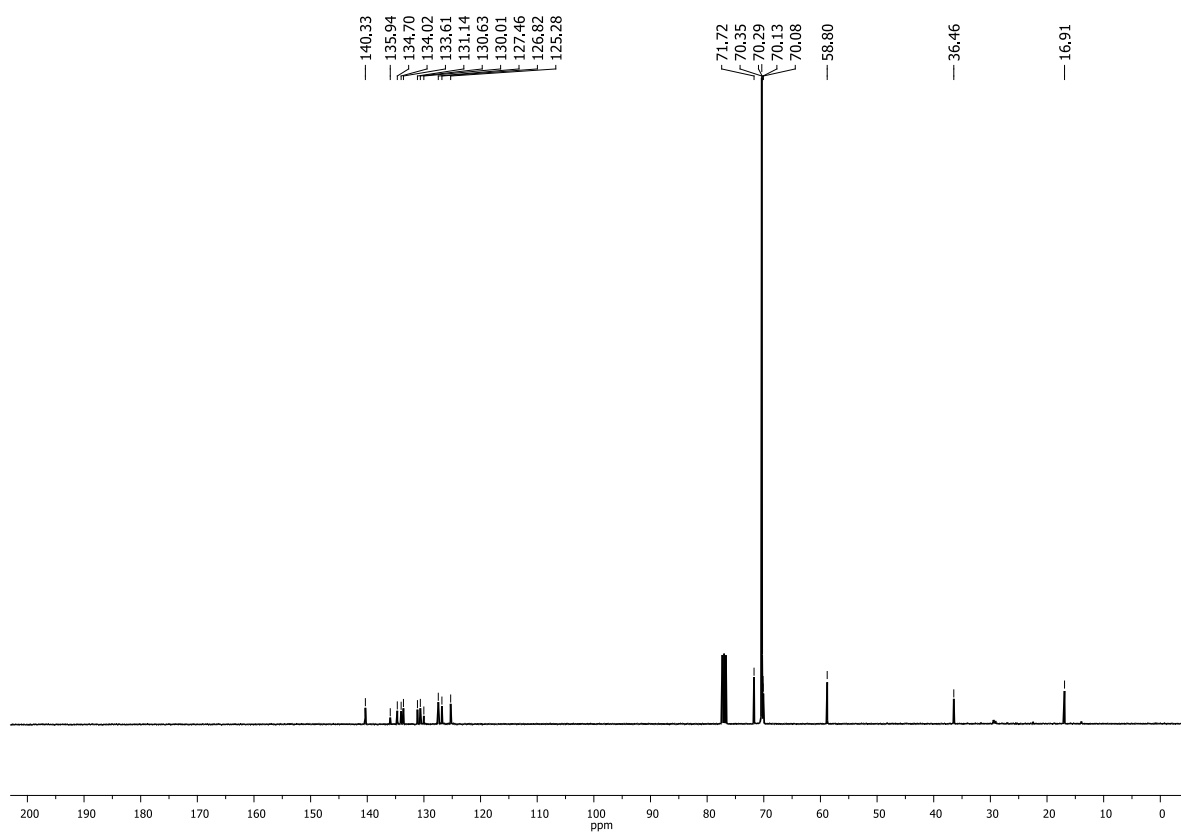


Figure S12. ¹³C NMR spectrum of compound **6** (100 MHz, CDCl₃).

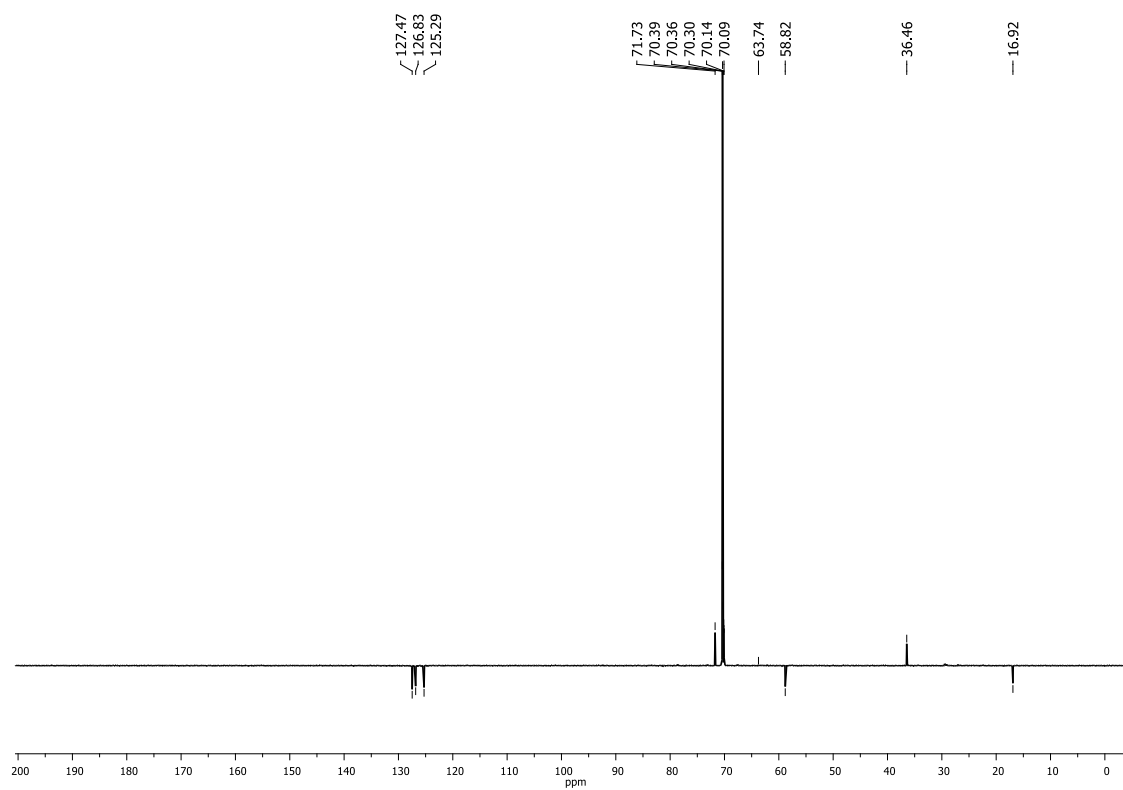


Figure S13. DEPT-135 NMR spectrum of compound **6** (100 MHz, CDCl₃).

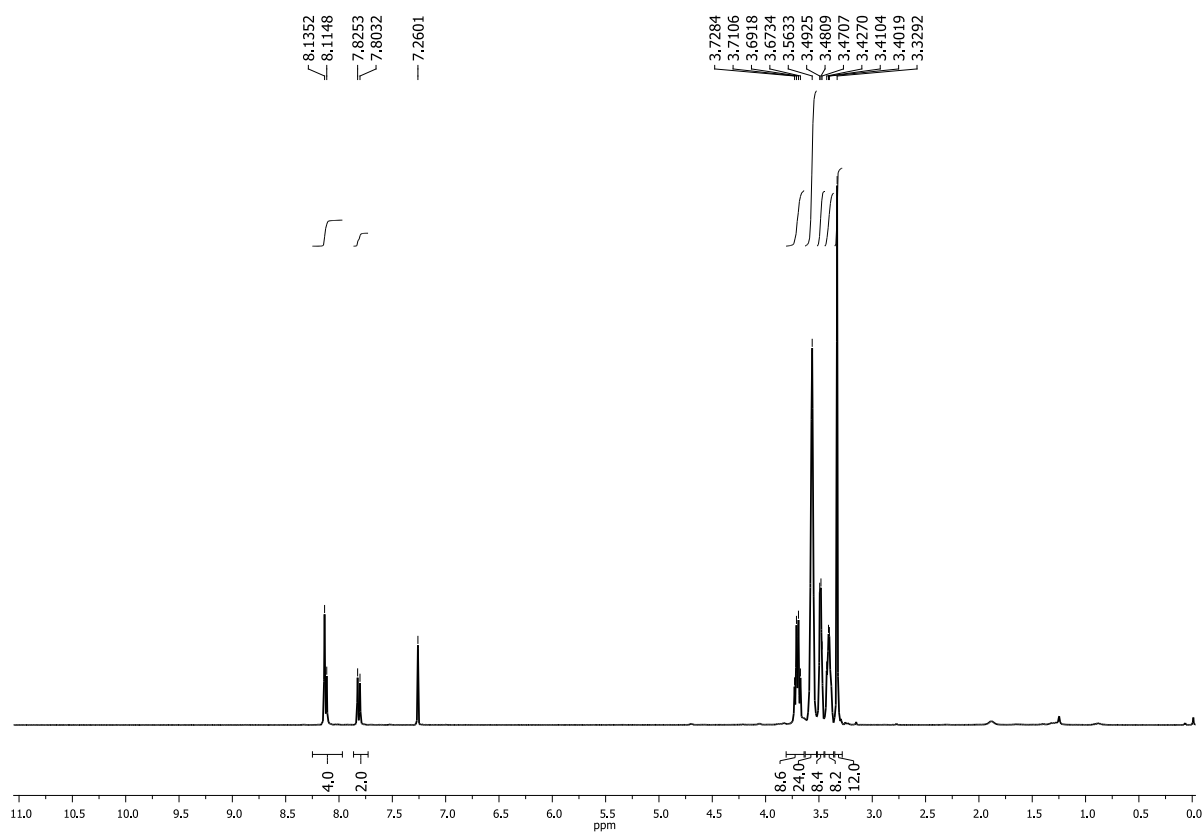


Figure S14. ¹H NMR spectrum of compound **7** (400 MHz, CDCl₃).

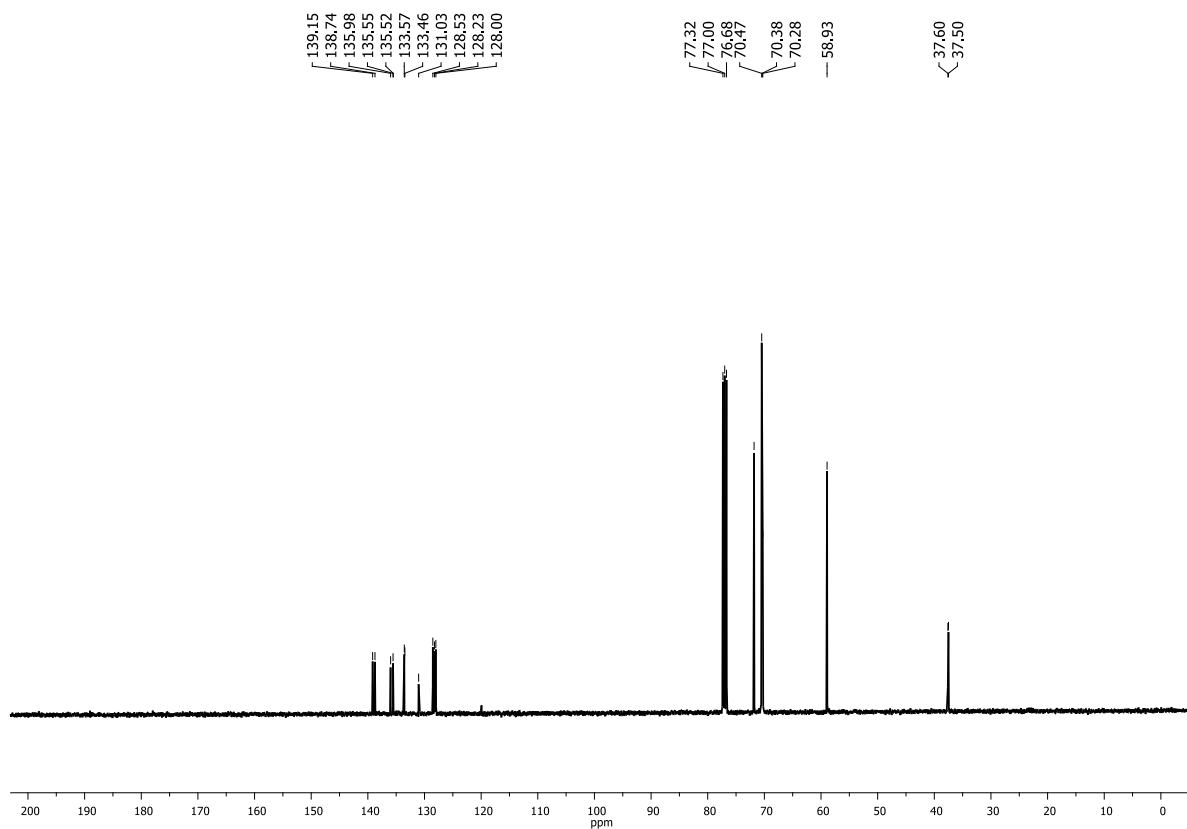


Figure S15. ¹³C NMR spectrum of compound **7** (100 MHz, CDCl₃).

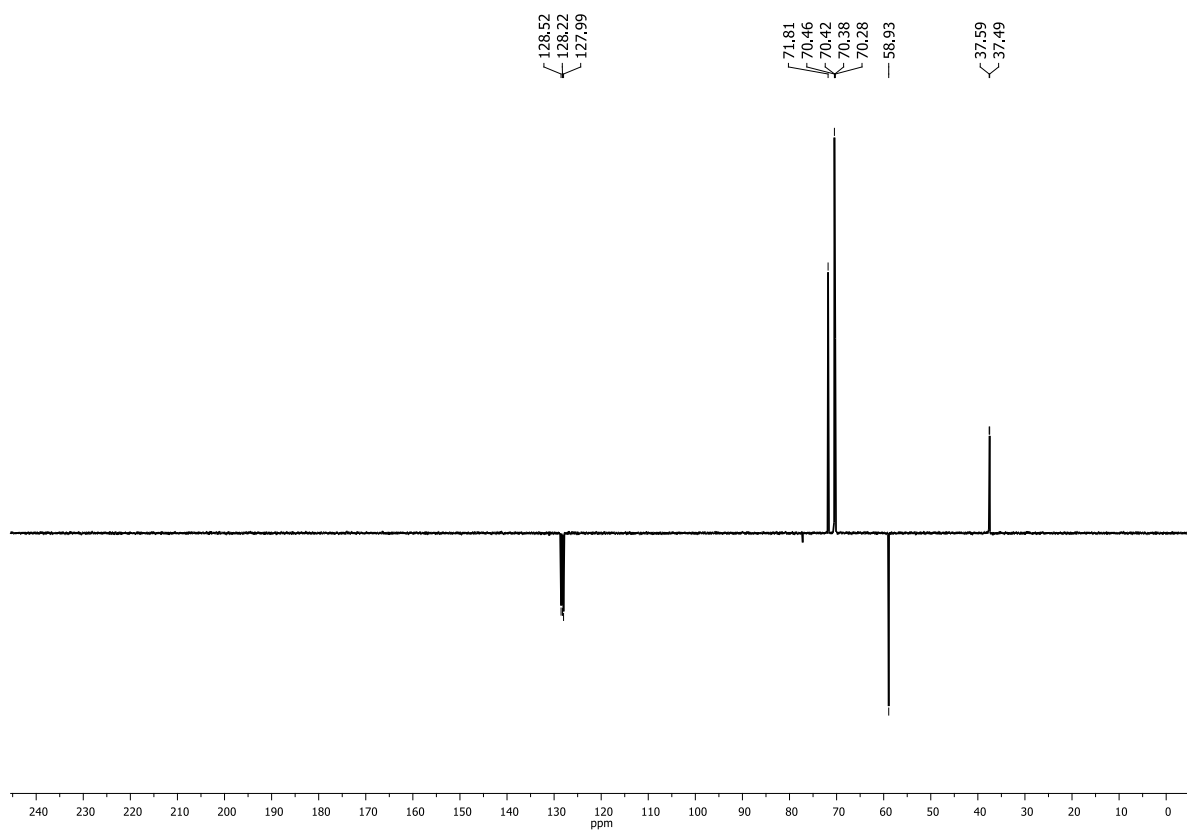


Figure S16. DEPT-135 NMR spectrum of compound **7** (100 MHz, CDCl_3).

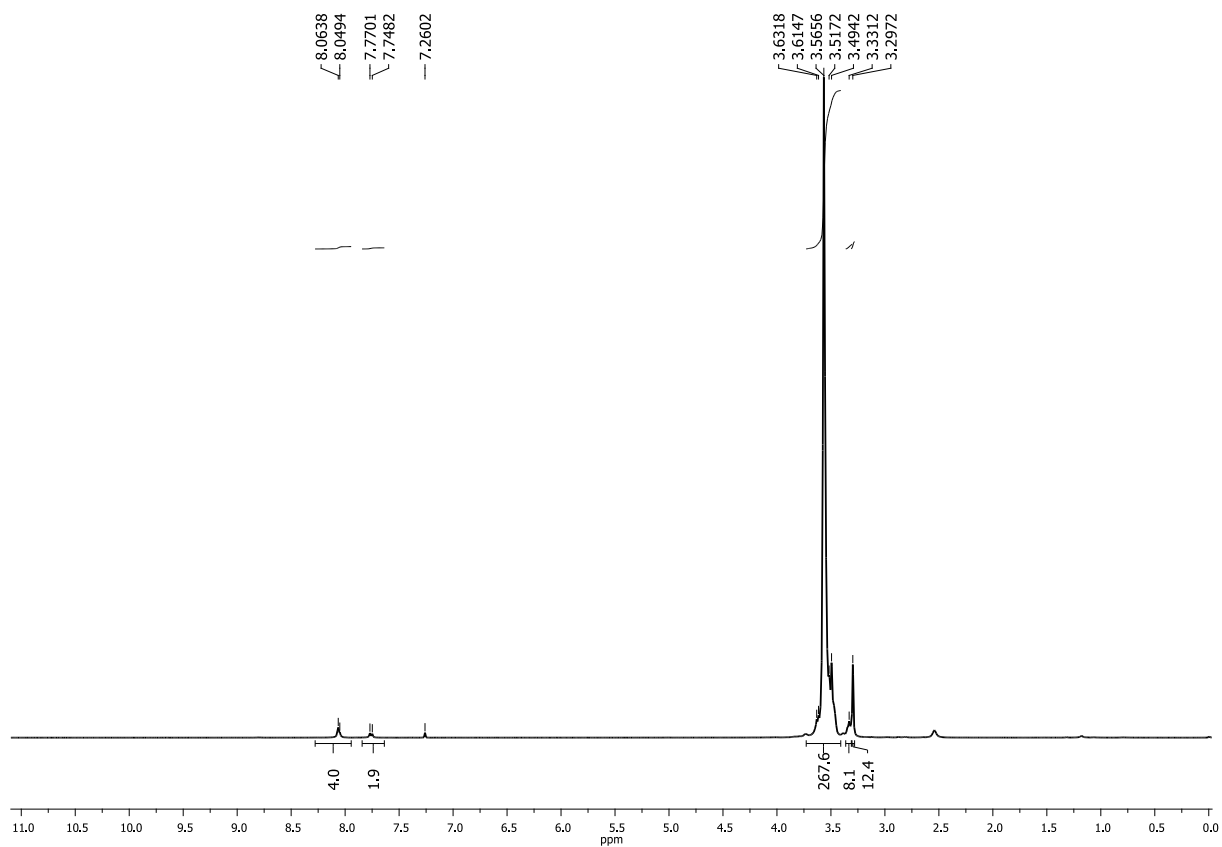


Figure S17. ^1H NMR spectrum of compound **8** (400 MHz, CDCl_3).

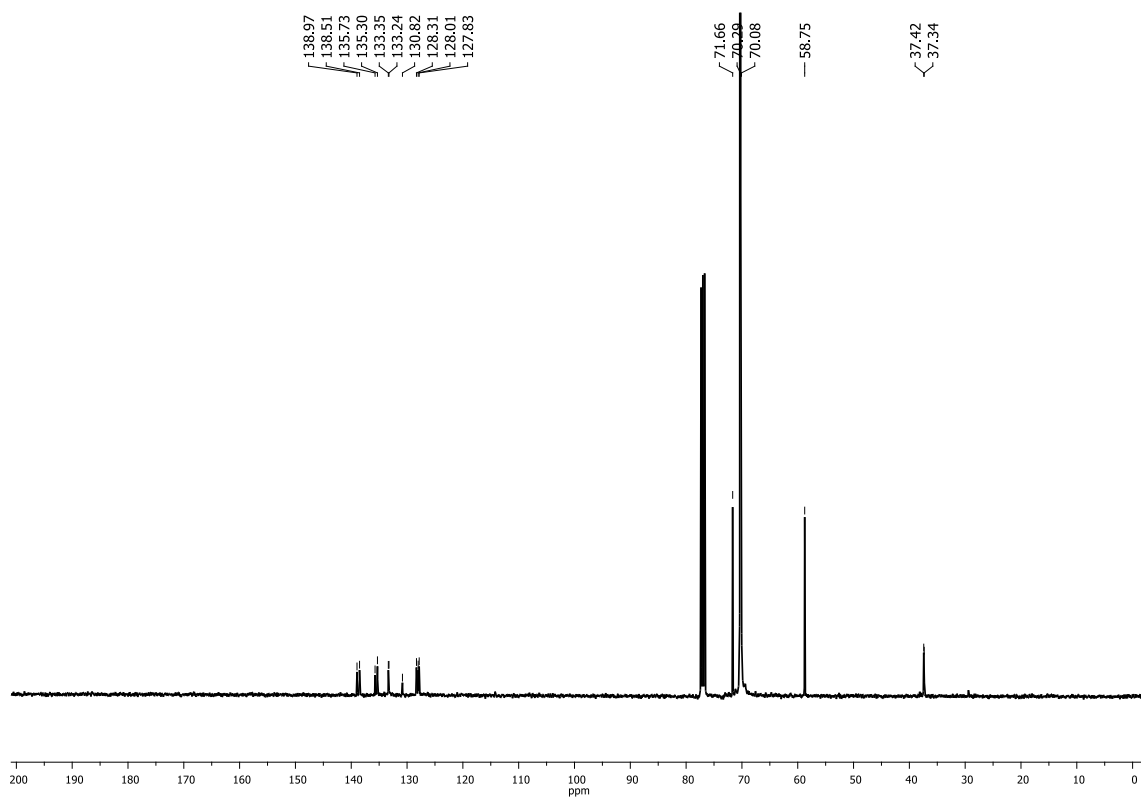


Figure S18. ¹³C NMR spectrum of compound **8** (100 MHz, CDCl₃).

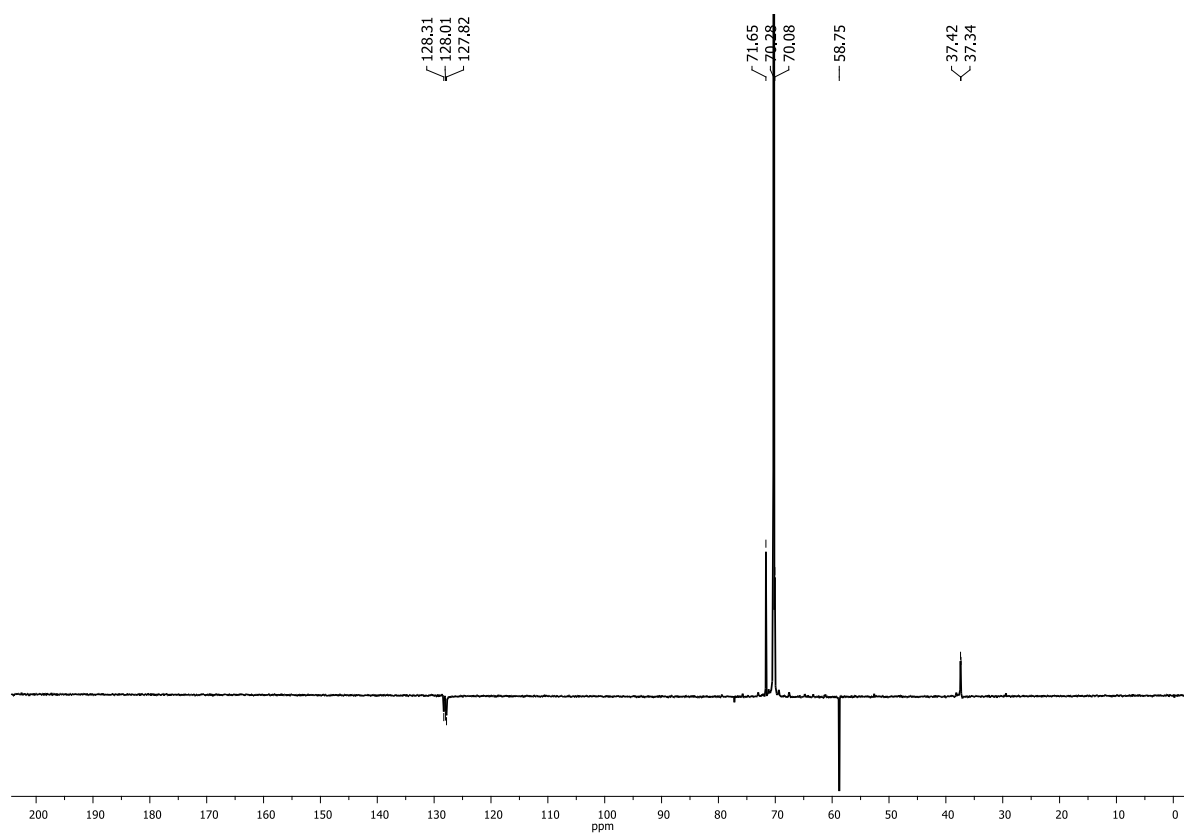


Figure S19. DEPT-135 spectrum of compound **8** (100 MHz, CDCl₃).

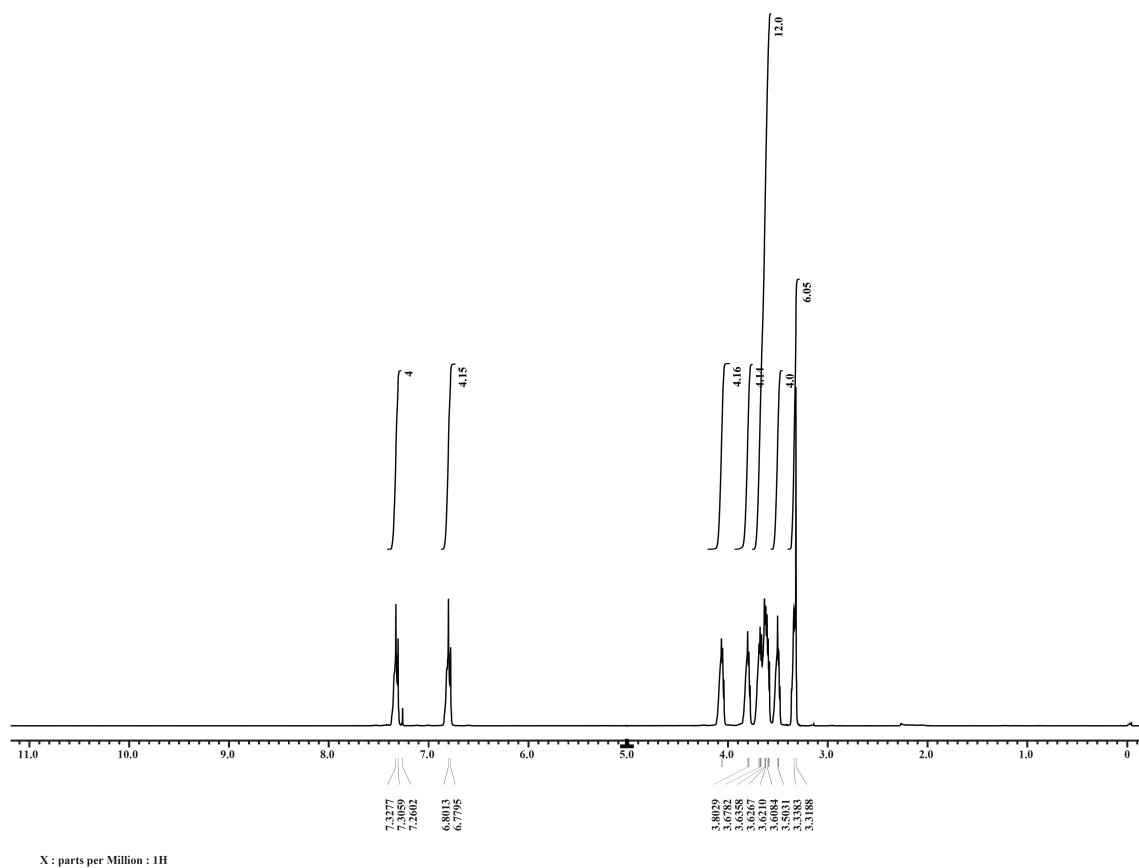


Figure S20. ¹H NMR Spectrum of disulphide **13** (400 MHz, CDCl₃).

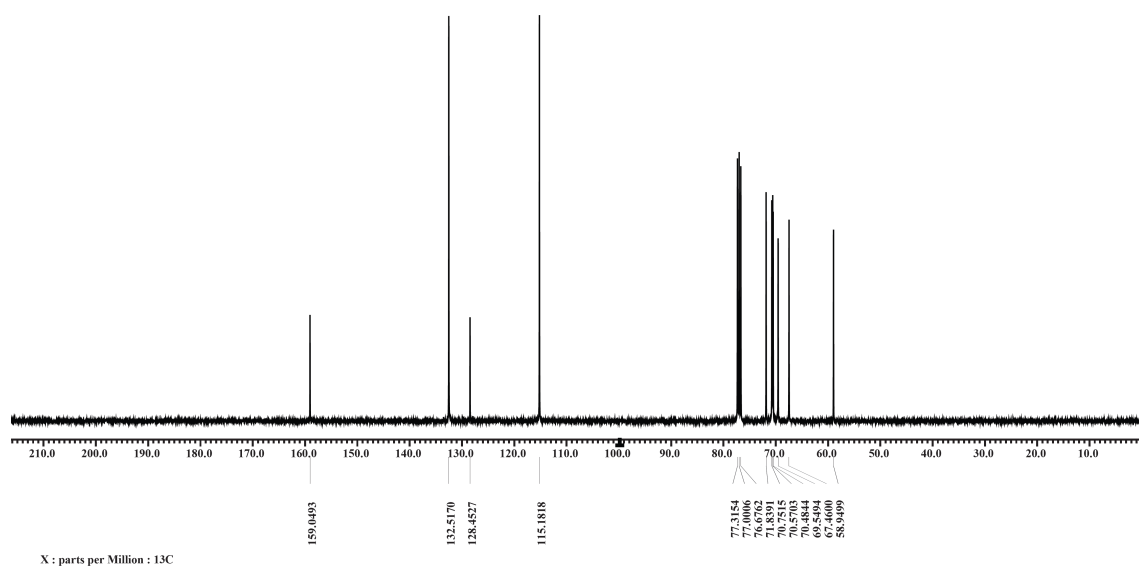


Figure S21. ¹³C NMR Spectrum of disulphide **13** (100 MHz, CDCl₃).

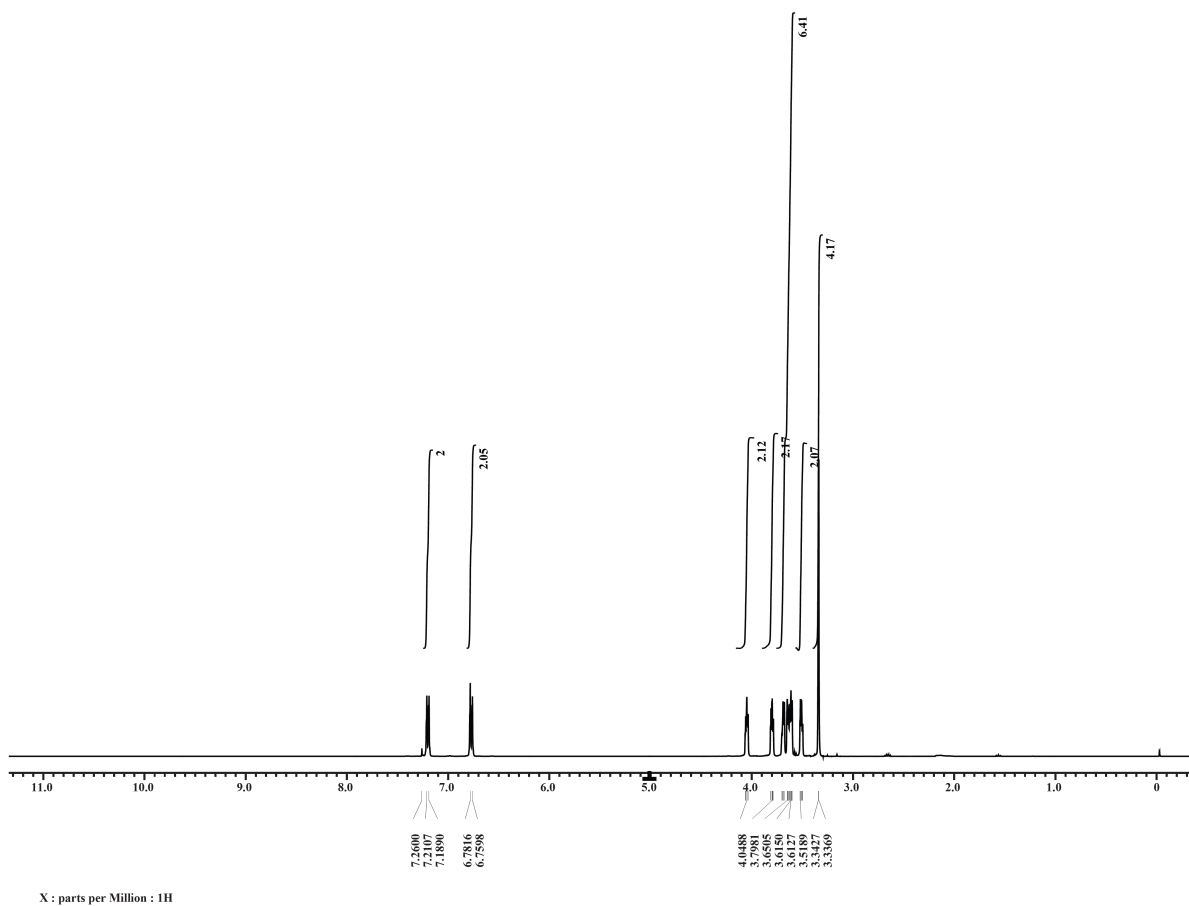


Figure S22. ¹H NMR Spectrum of thiol **15** (400 MHz, CDCl₃).

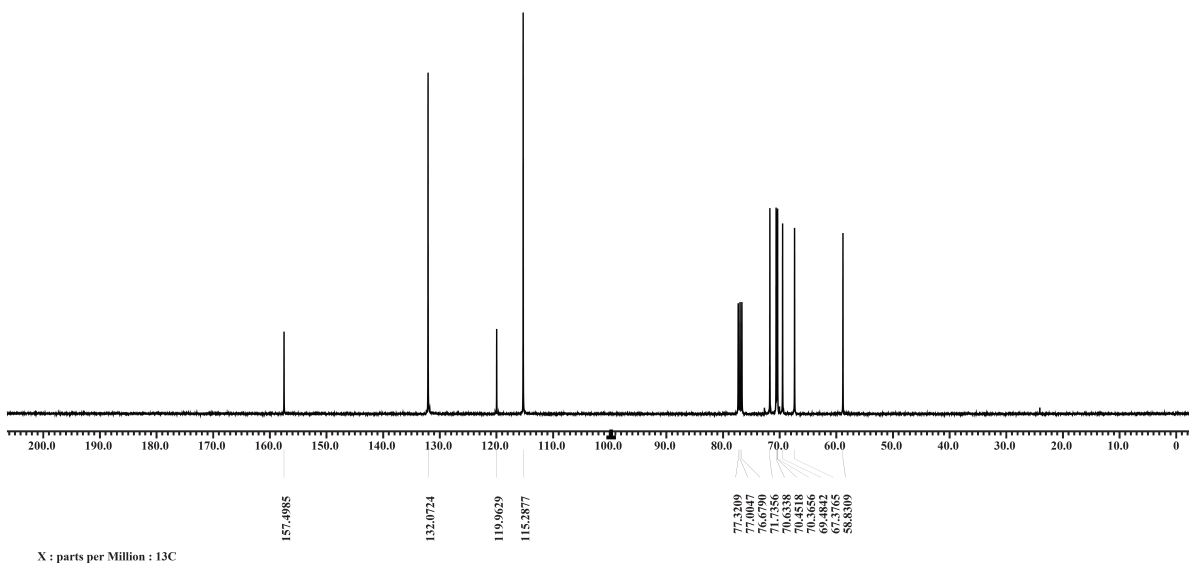


Figure S23. ¹³C NMR Spectrum of thiol **15** (100 MHz, CDCl₃).

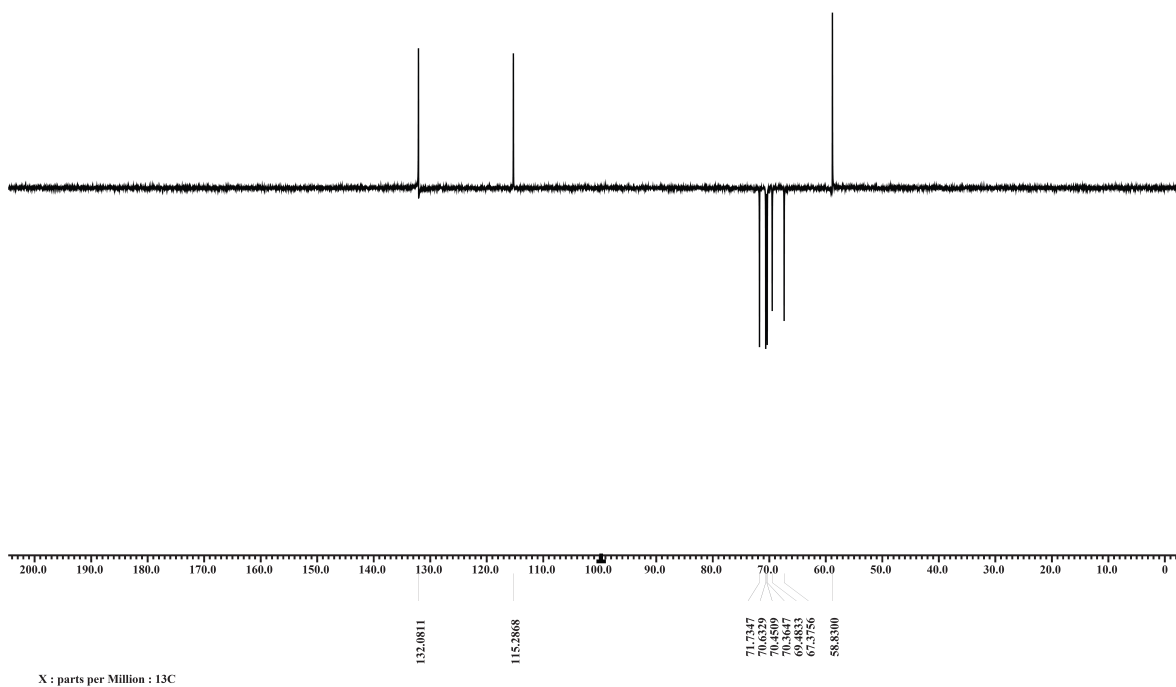


Figure S24. DEPT-135 Spectrum of thiol **15** (100 MHz, CDCl₃).

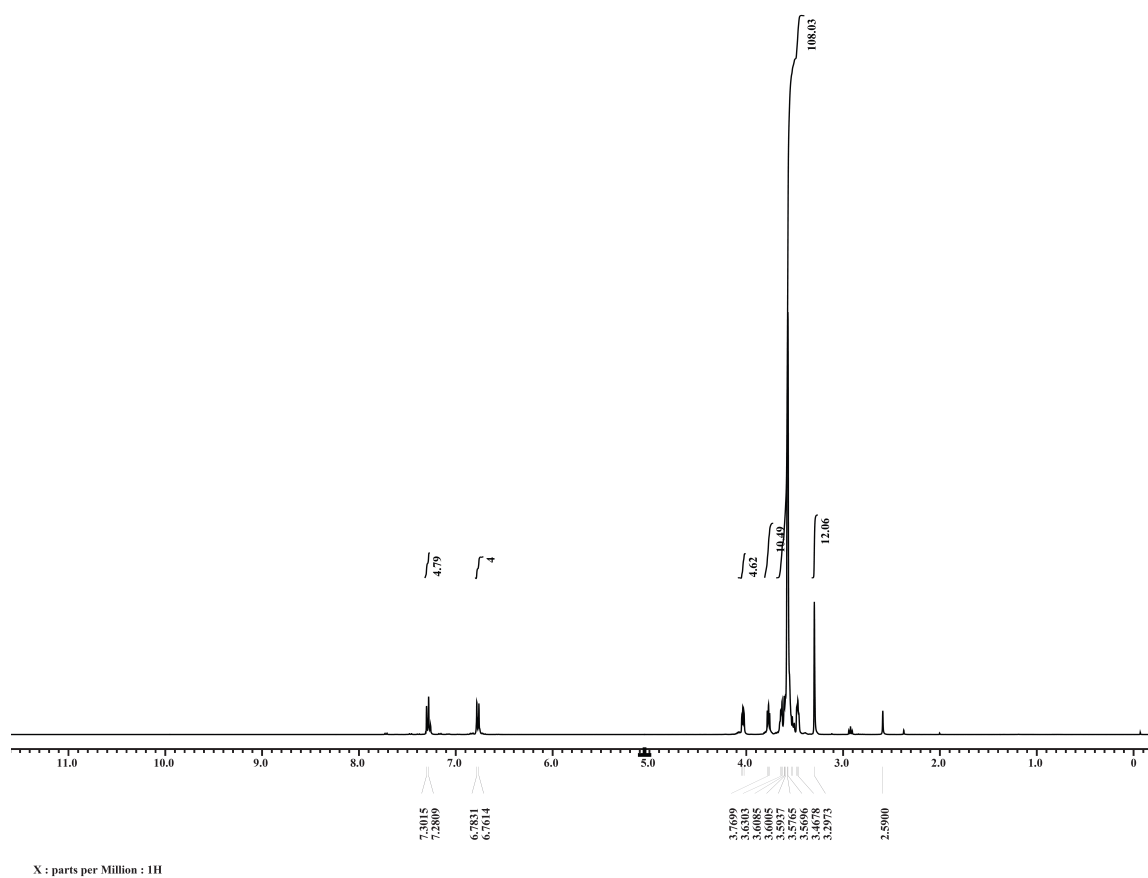


Figure S25. ¹H NMR Spectrum of disulphide **14** (400 MHz, CDCl₃).

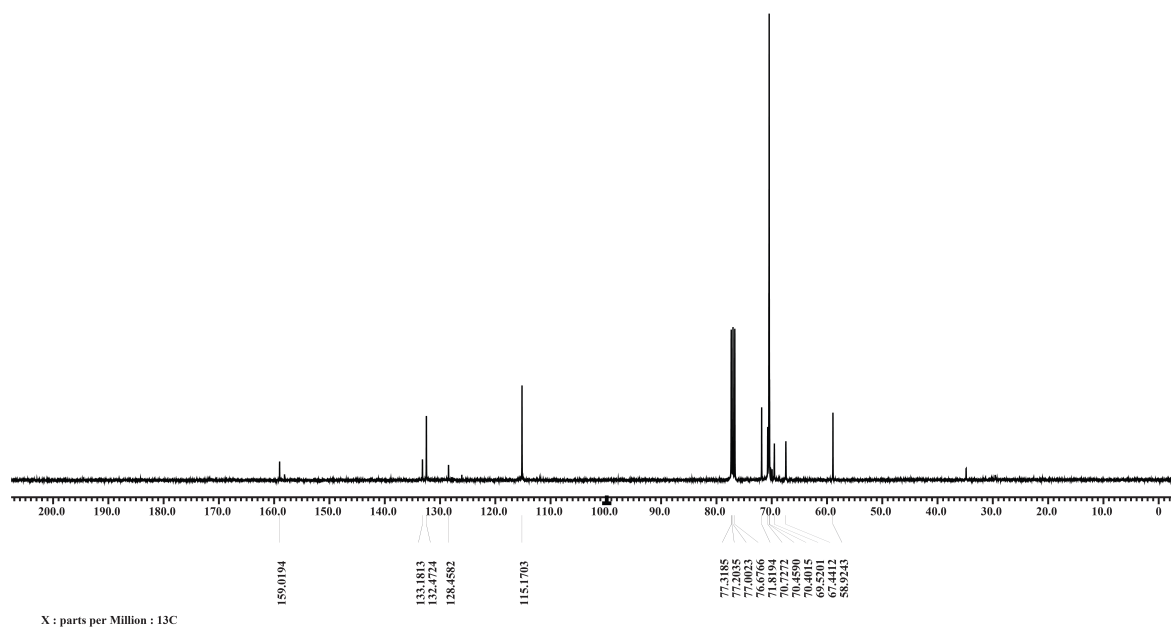


Figure S26. ^{13}C NMR Spectrum of disulphide **14** (100 MHz, CDCl_3)

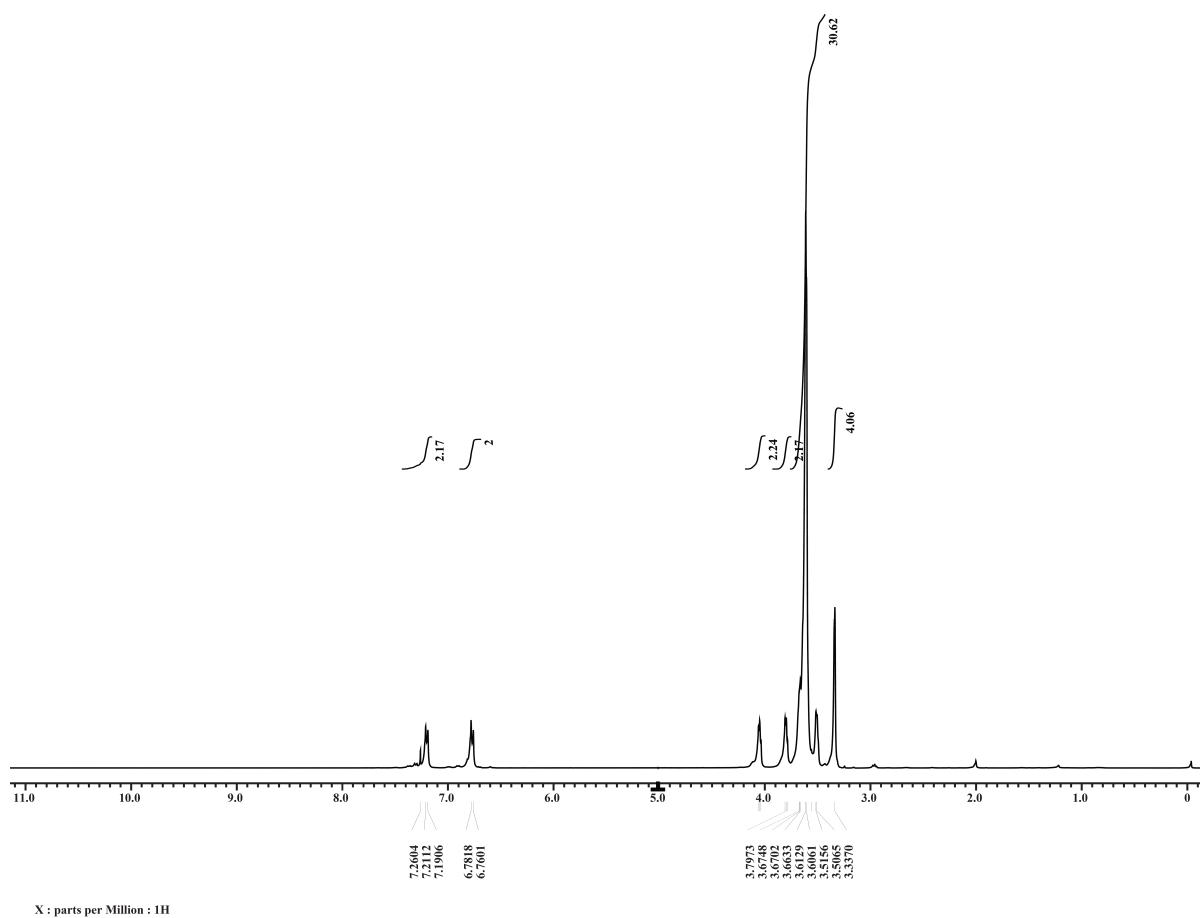


Figure S27. ^1H NMR Spectrum of thiol **16** (400 MHz, CDCl_3).

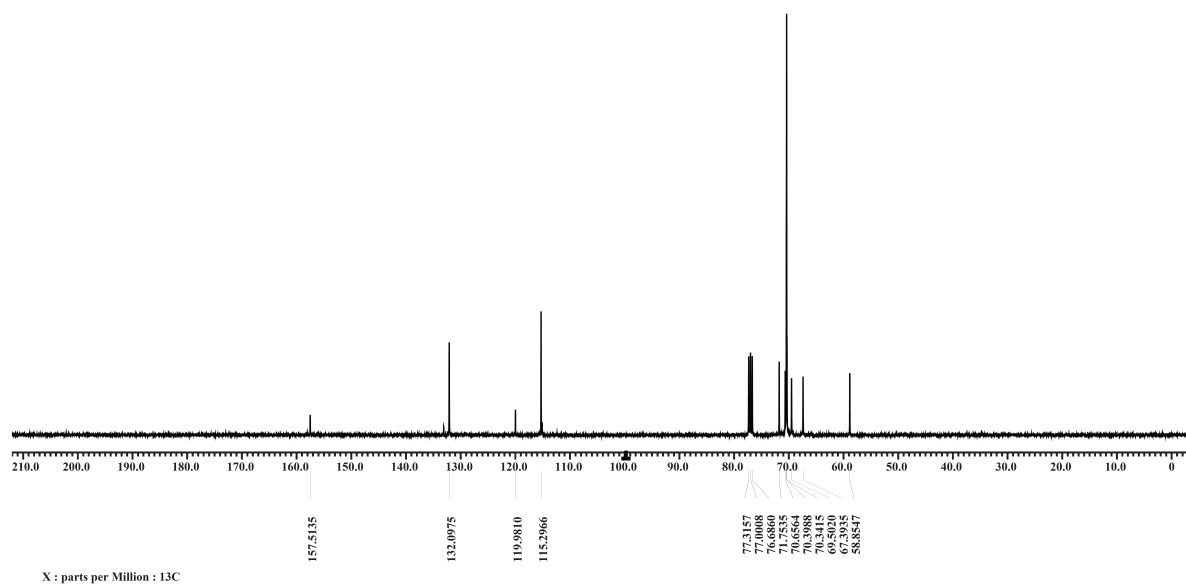


Figure S28. ^{13}C NMR Spectrum of thiol **16** (100 MHz, CDCl_3).

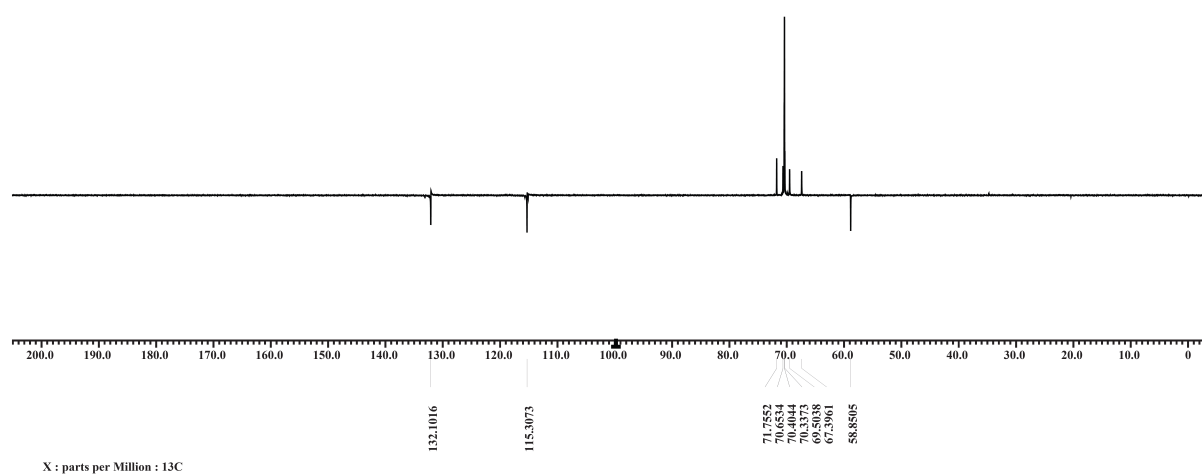


Figure S29. DEPT-135 Spectrum of thiol **16** (100 MHz, CDCl_3).

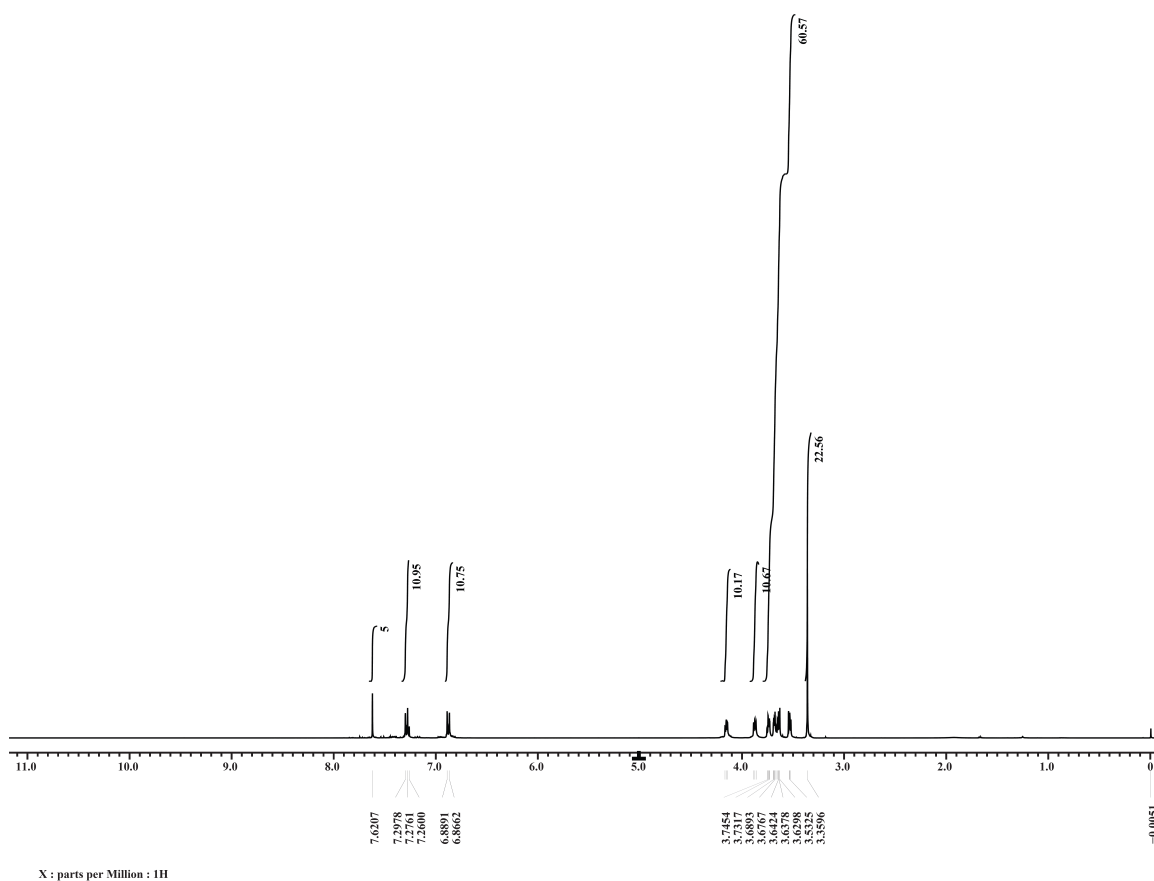


Figure S30. ¹H NMR Spectrum of compound **17** (400 MHz, CDCl₃).

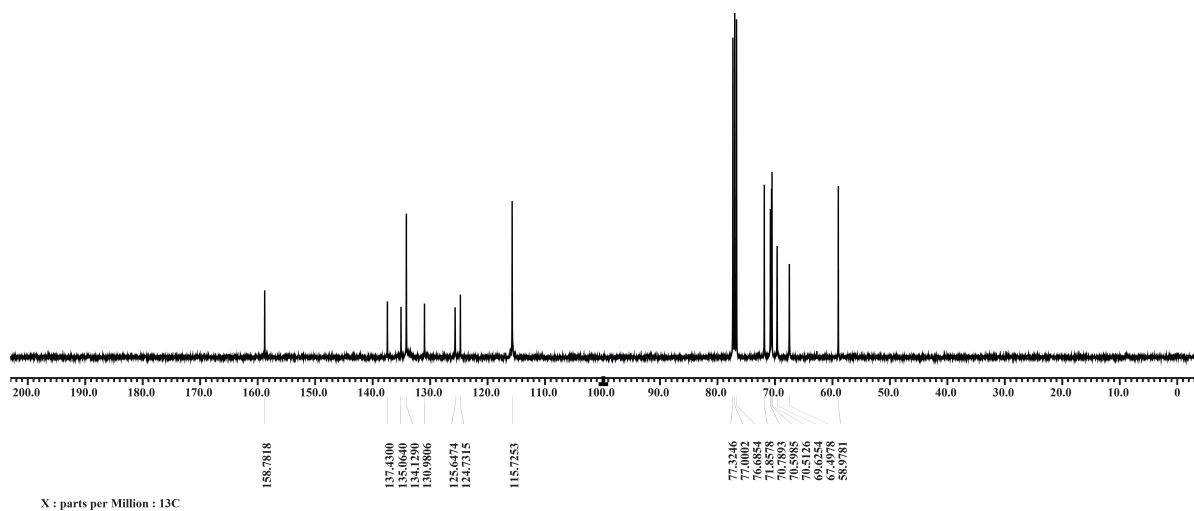


Figure S31. ¹³C NMR Spectrum of compound **17** (100 MHz, CDCl₃).

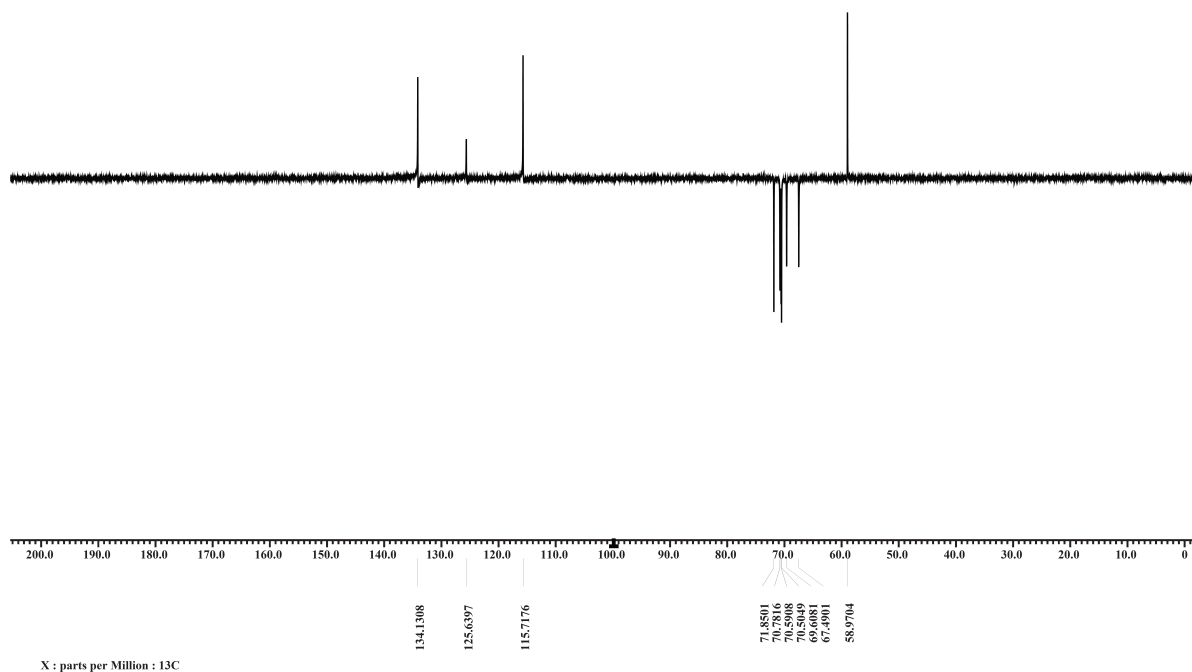


Figure S32. DEPT-135 Spectrum of corannulene **17** (100 MHz, CDCl_3).

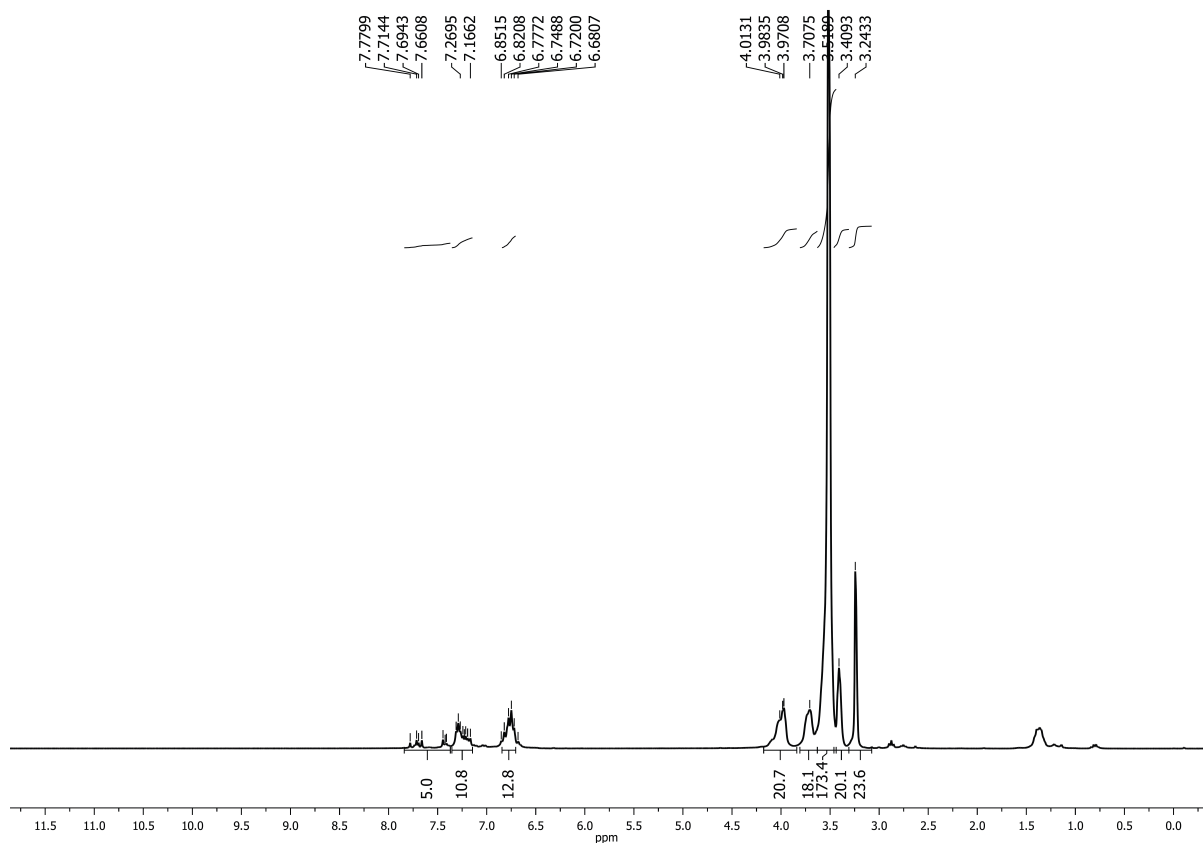


Figure S33. ^1H NMR Spectrum of corannulene **18** (300 MHz, CDCl_3).

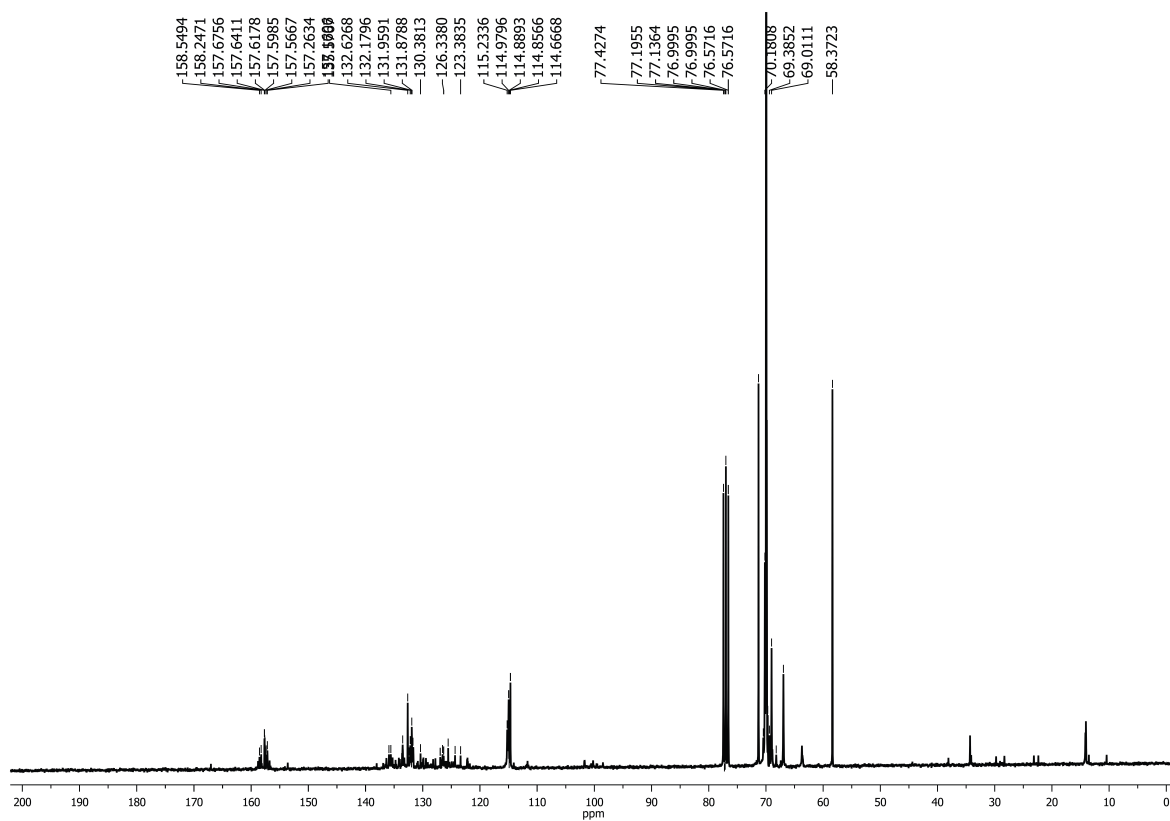


Figure S34. ^{13}C NMR Spectrum of corannulene **18** (75 MHz, CDCl_3).