

Supplementary Information

Synthesis, *in silico* Study and Antimicrobial Evaluation of New Diesters Derived from Phthaloylglycine

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Nuclear magnetic resonance (NMR) and infrared spectrum

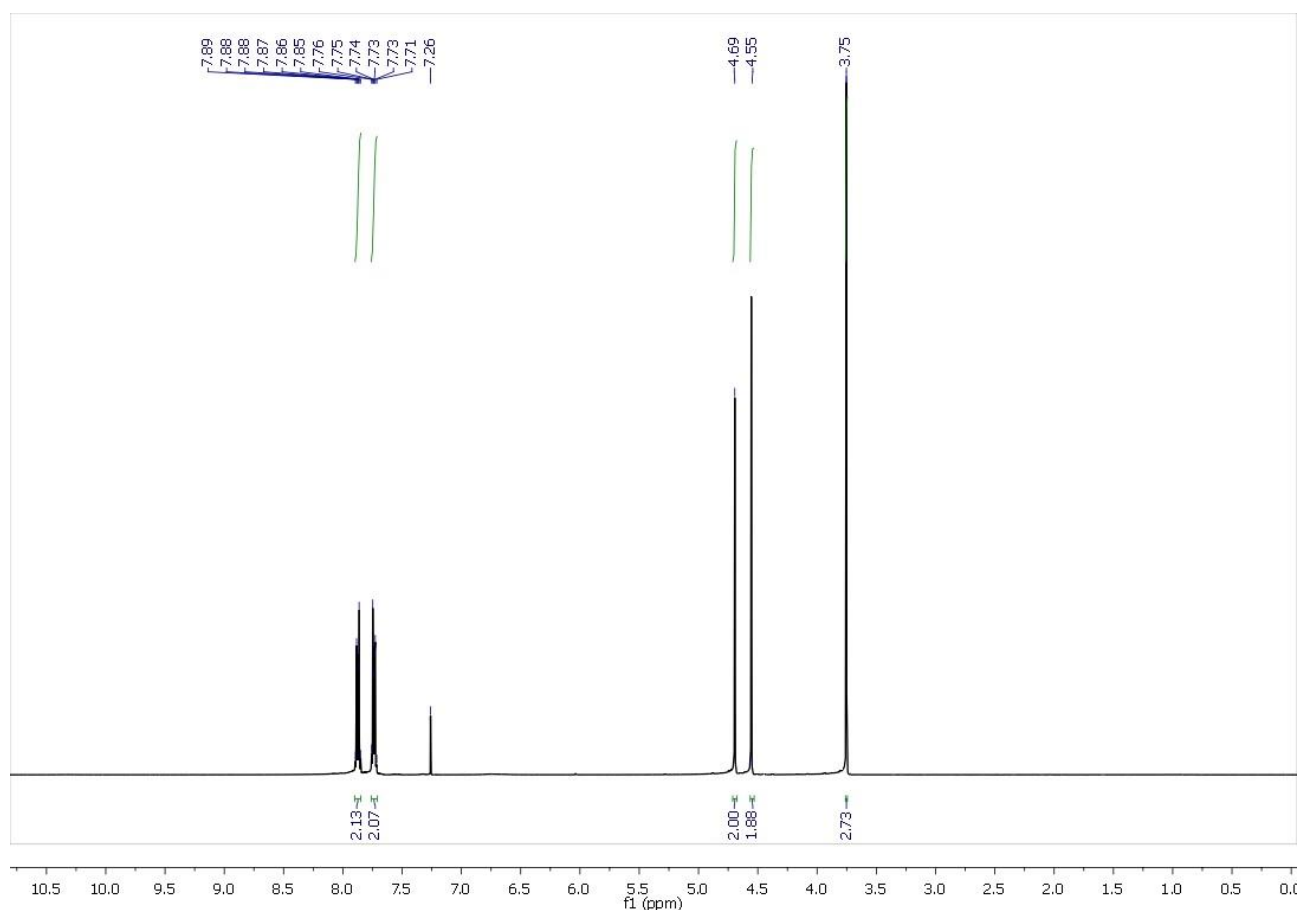


Figure S1. ¹H NMR spectrum (400 MHz, CDCl₃) of compound 7a.

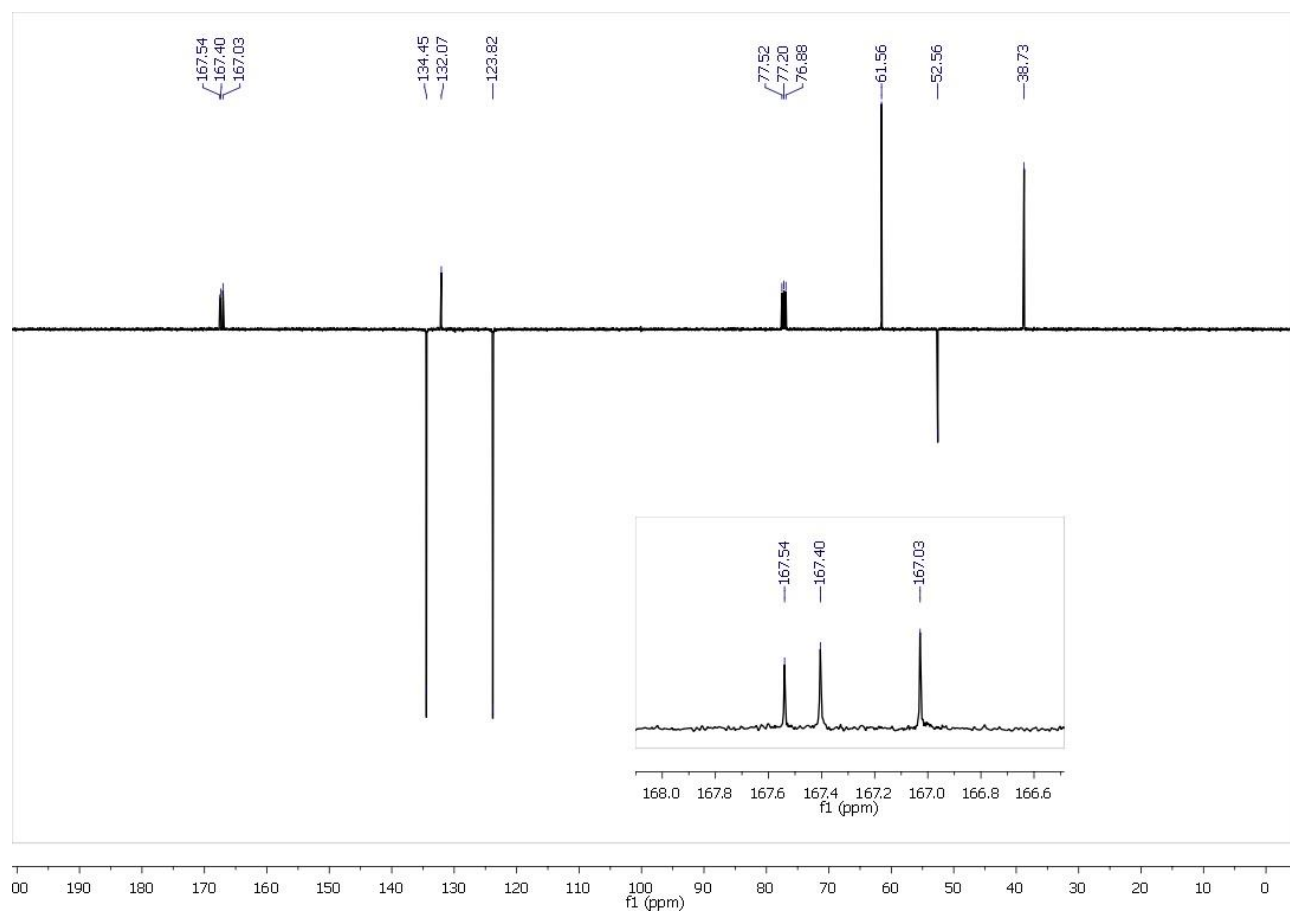


Figure S2. ¹³C NMR spectrum (101 MHz, CDCl₃) of compound 7a.

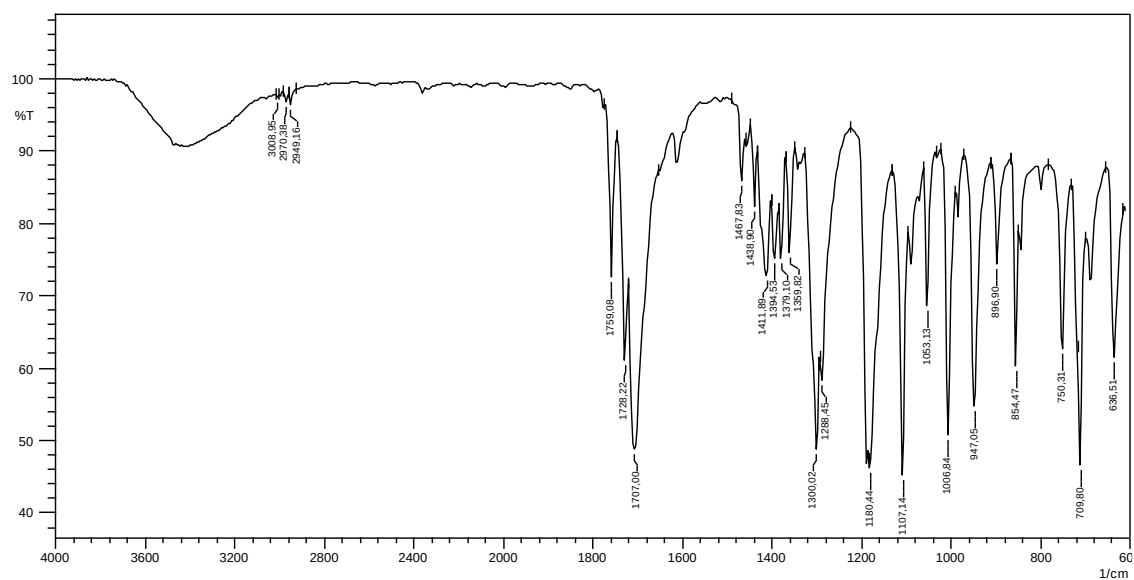


Figure S3. FTIR-ATR spectrum of compound 7a.

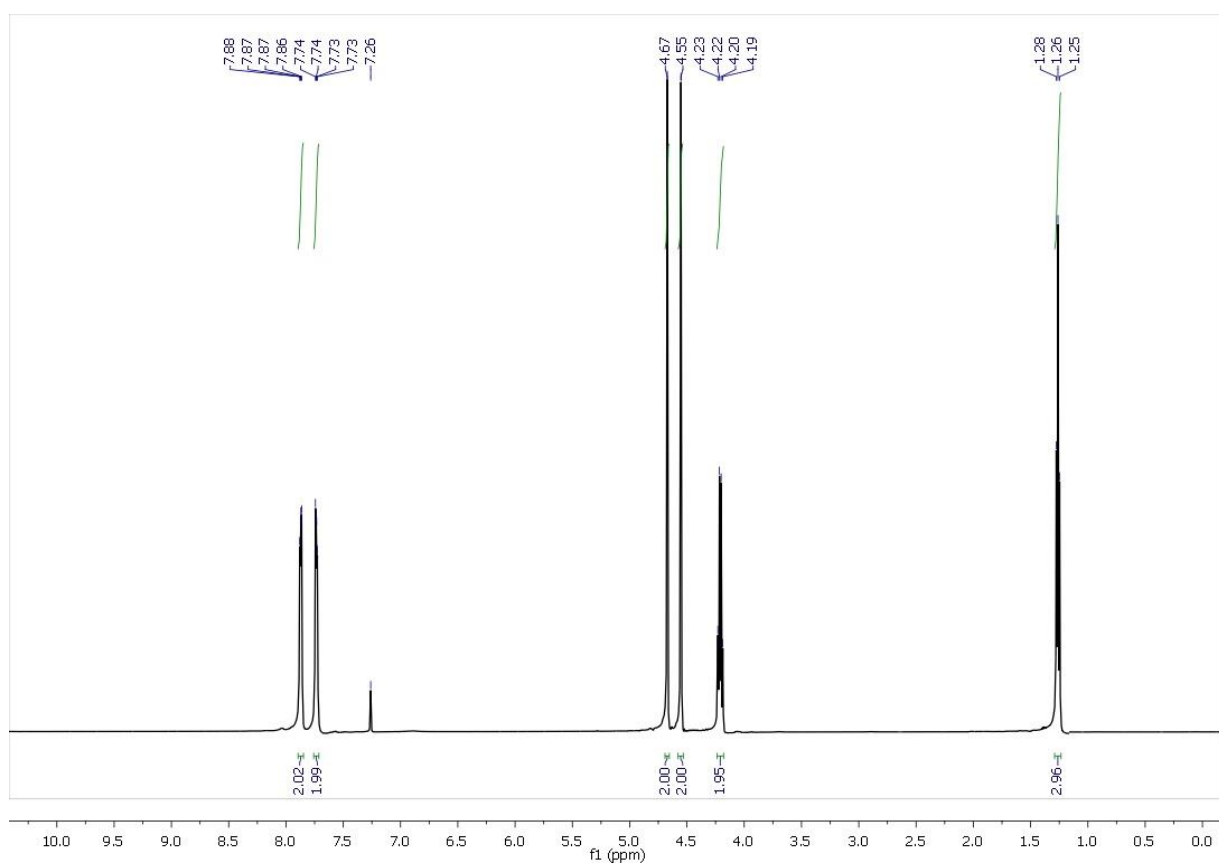


Figure S4. ¹H NMR spectrum (500 MHz, CDCl₃) of compound **7b**.

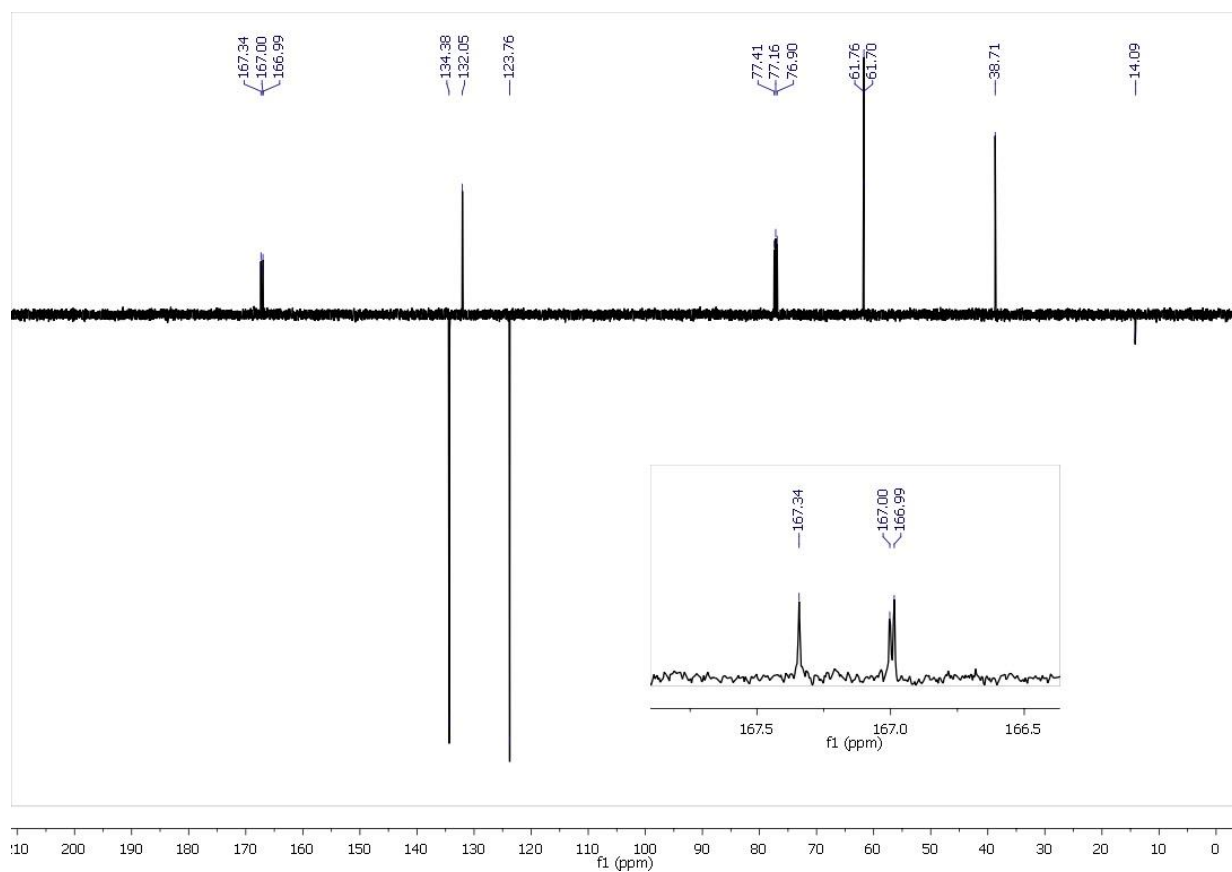


Figure S5. ¹³C NMR spectrum (126 MHz, CDCl₃) of compound **7b**.

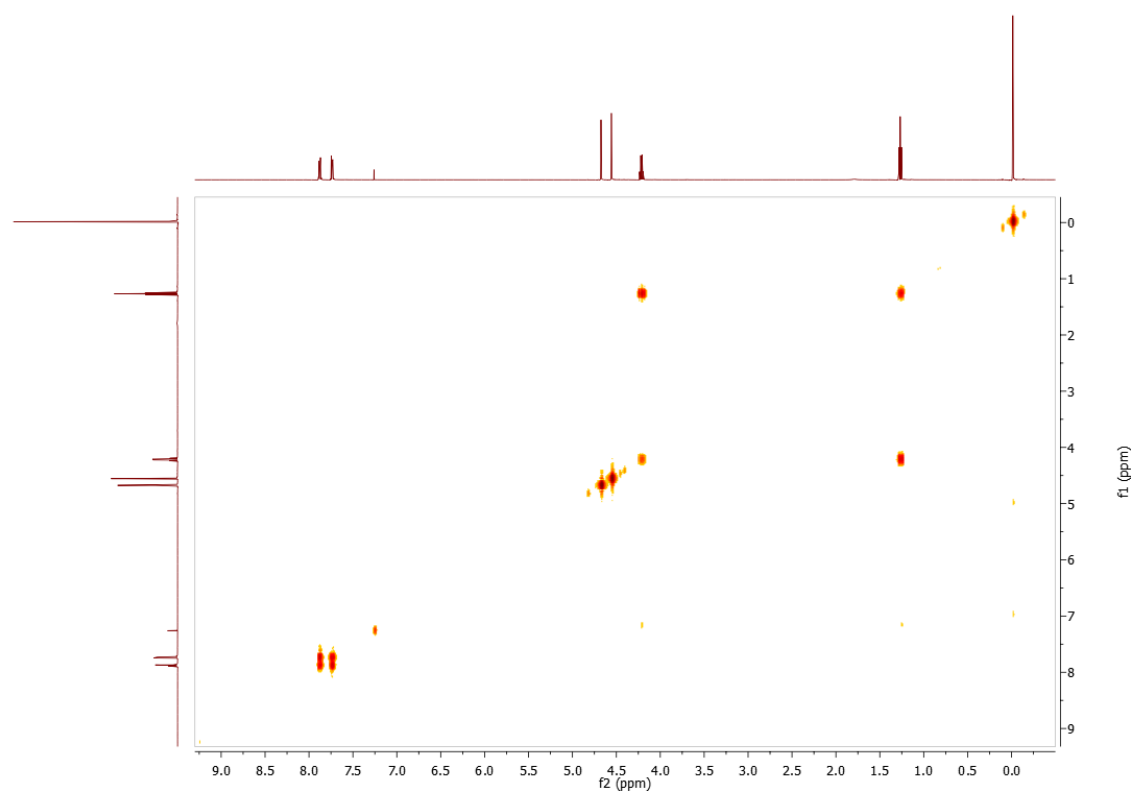


Figure S6. ^1H , ^1H -COSY spectrum (400 MHz, CDCl_3) of compound **7b**.

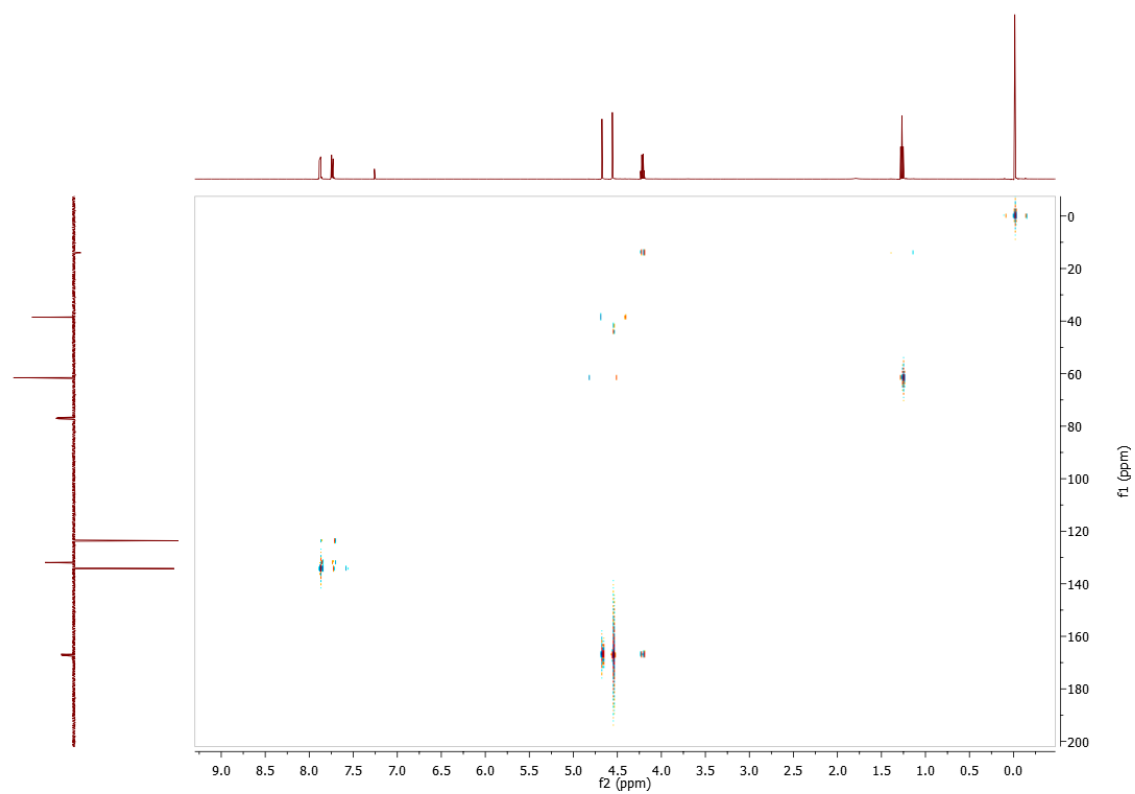


Figure S7. ^1H , ^{13}C -HMBC spectrum (400 MHz, CDCl_3) of compound **7b**.

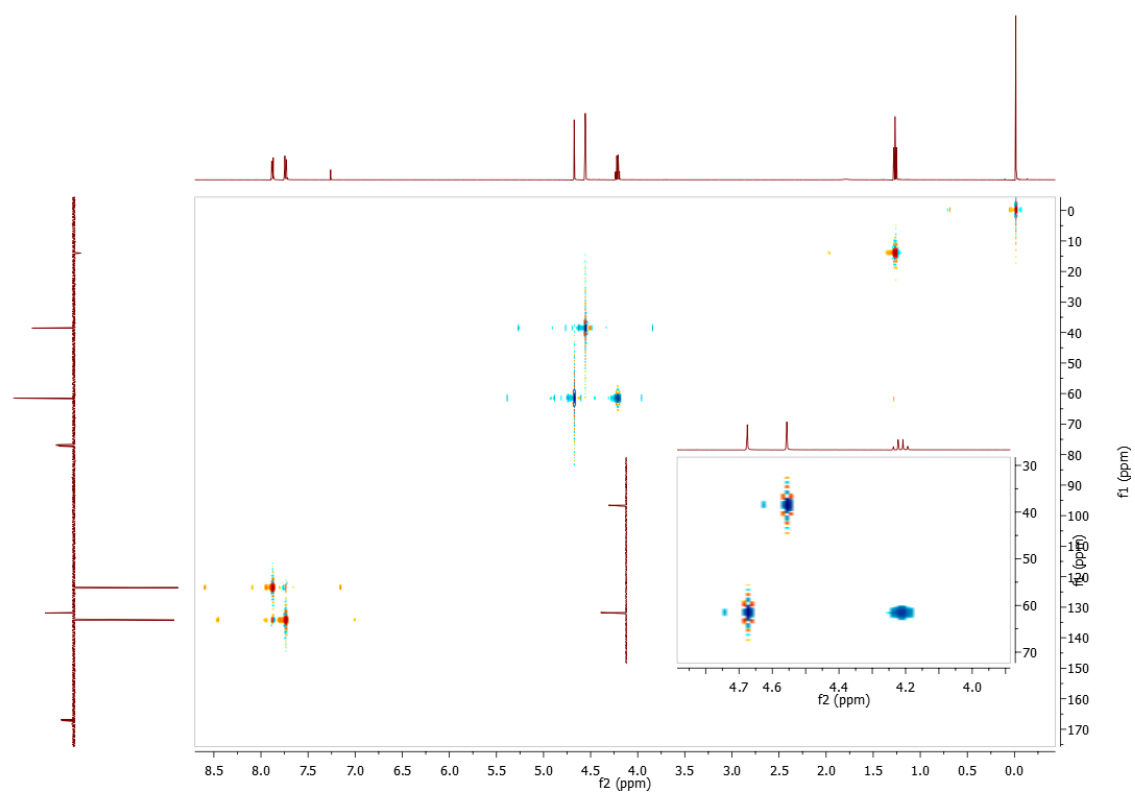


Figure S8. ^1H , ^{13}C -HSQC spectrum (400 MHz, CDCl_3) of compound **7b**.

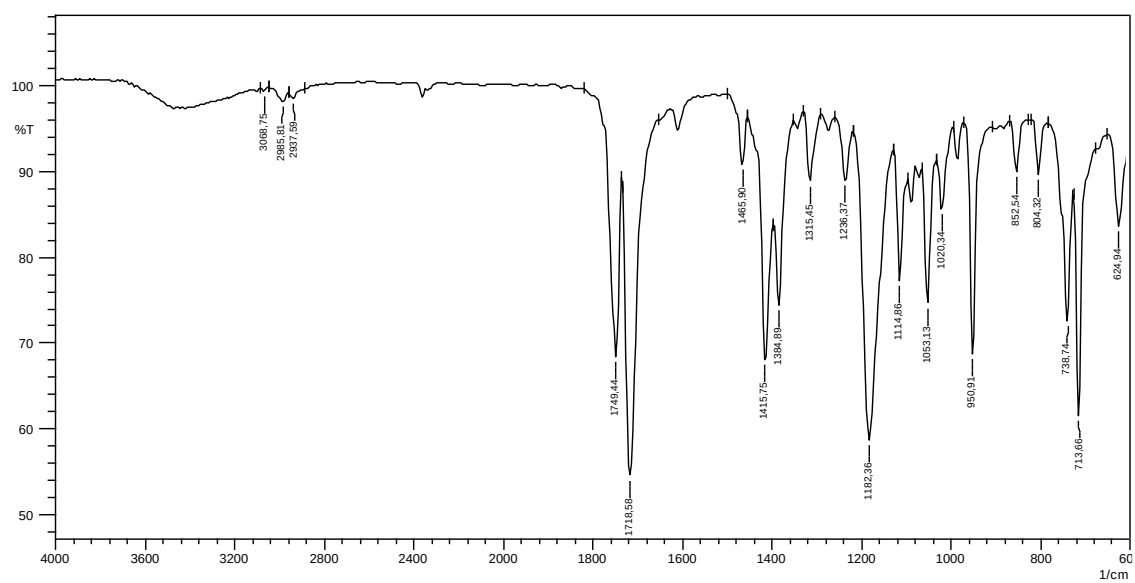


Figure S9. FTIR-ATR spectrum of compound **7b**.

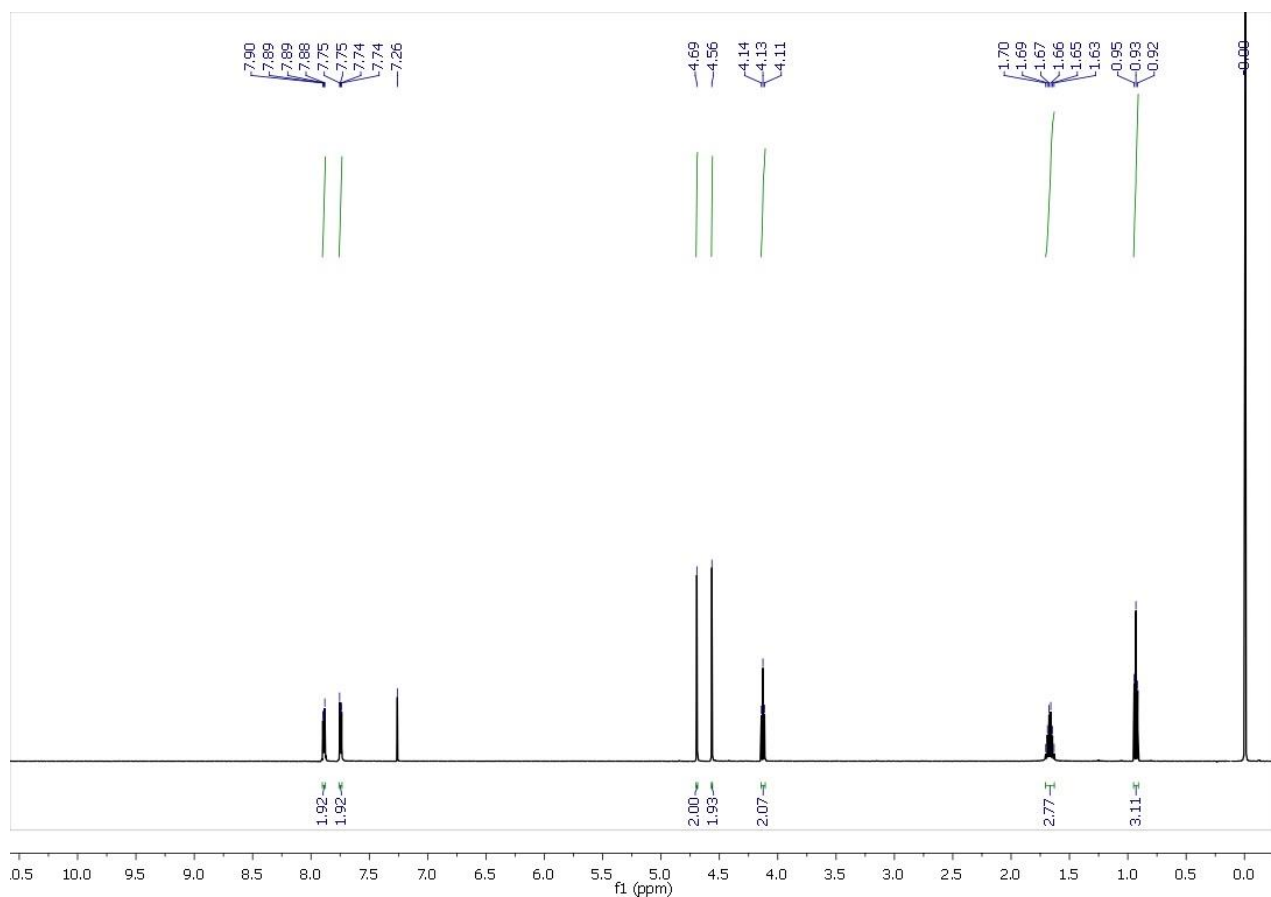


Figure S10. ¹H NMR spectrum (500 MHz, CDCl₃) of compound 7c.

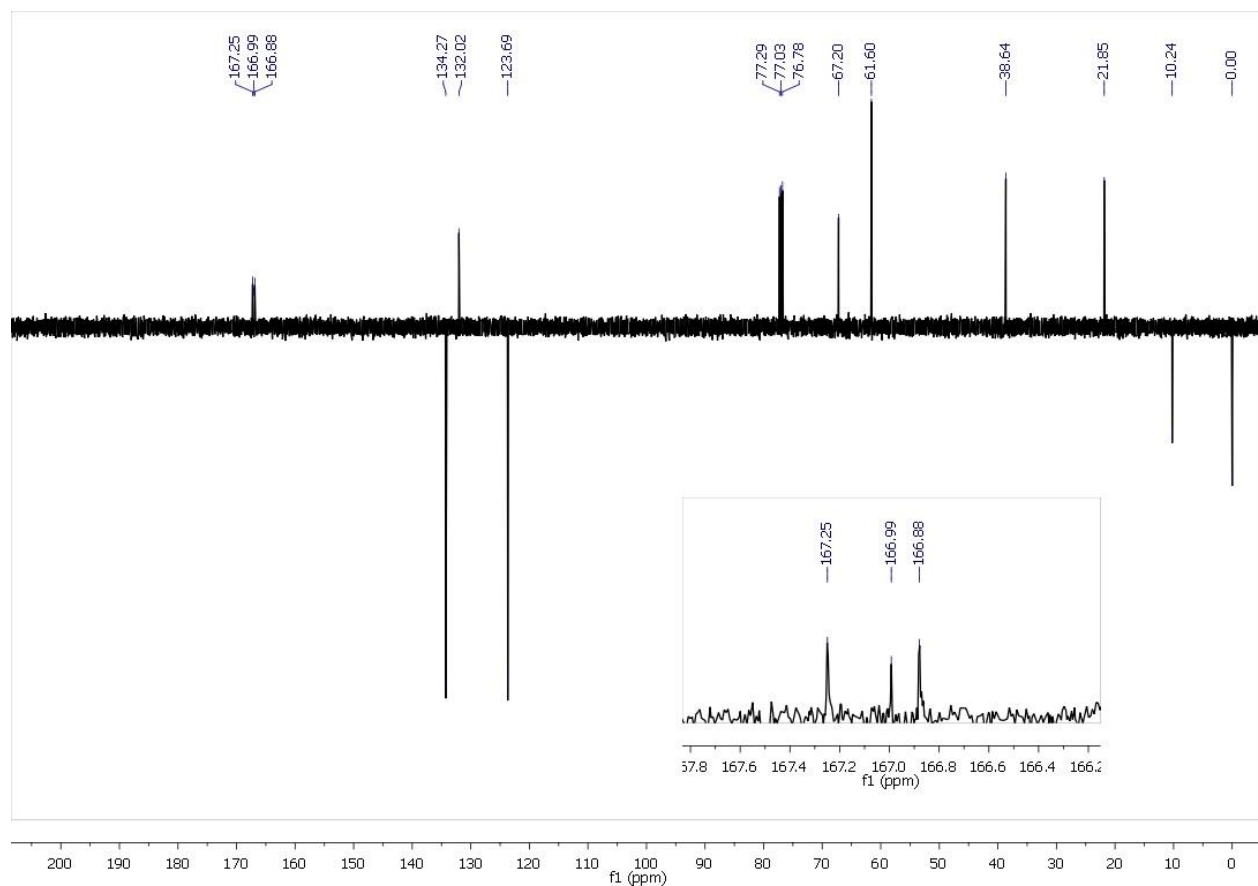


Figure S11. ¹³C NMR spectrum (126 MHz, CDCl₃) of compound 7c.

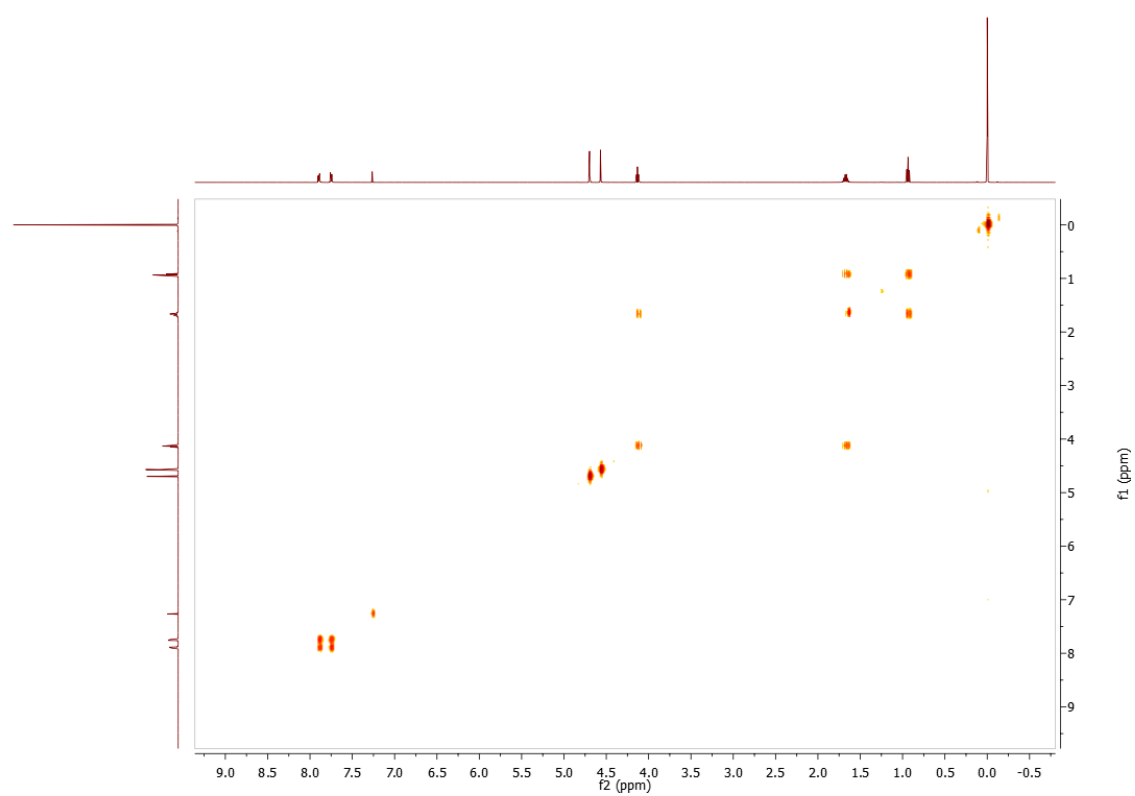


Figure S12. ^1H , ^1H -COSY spectrum (400 MHz, CDCl_3) of compound **7c**.

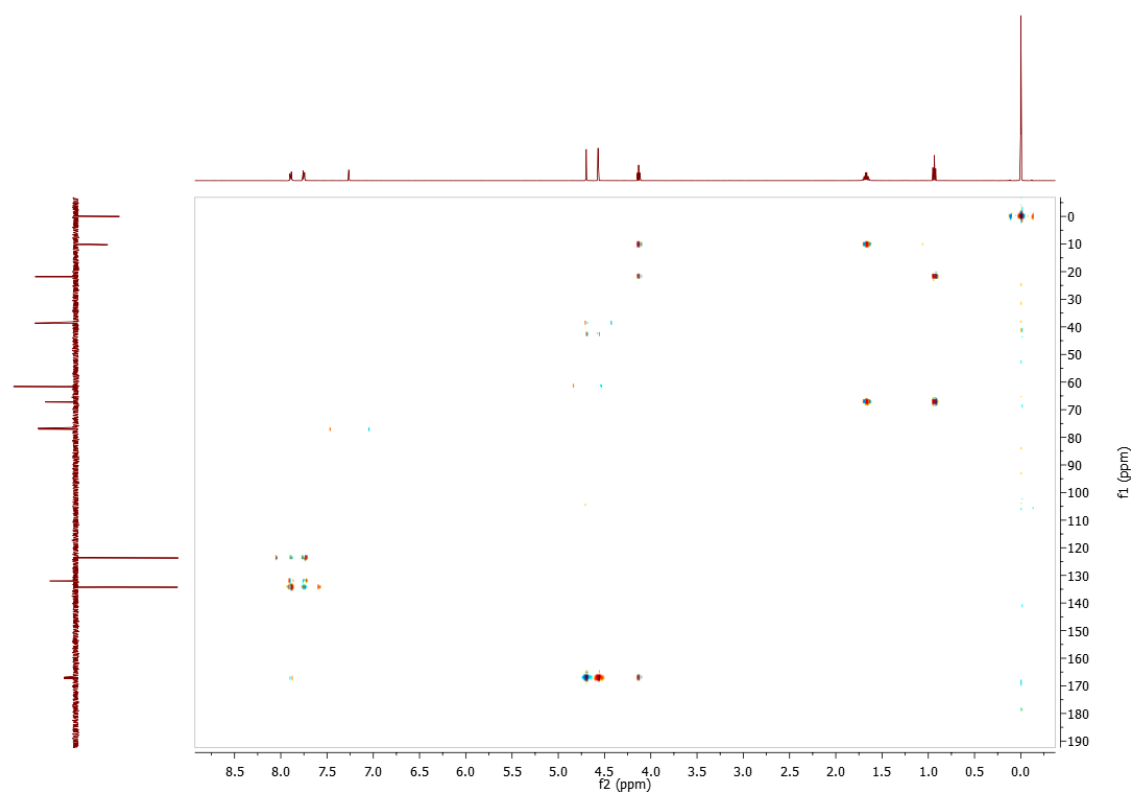


Figure S13. ^1H , ^{13}C -HMBC spectrum (400 MHz, CDCl_3) of compound **7c**.

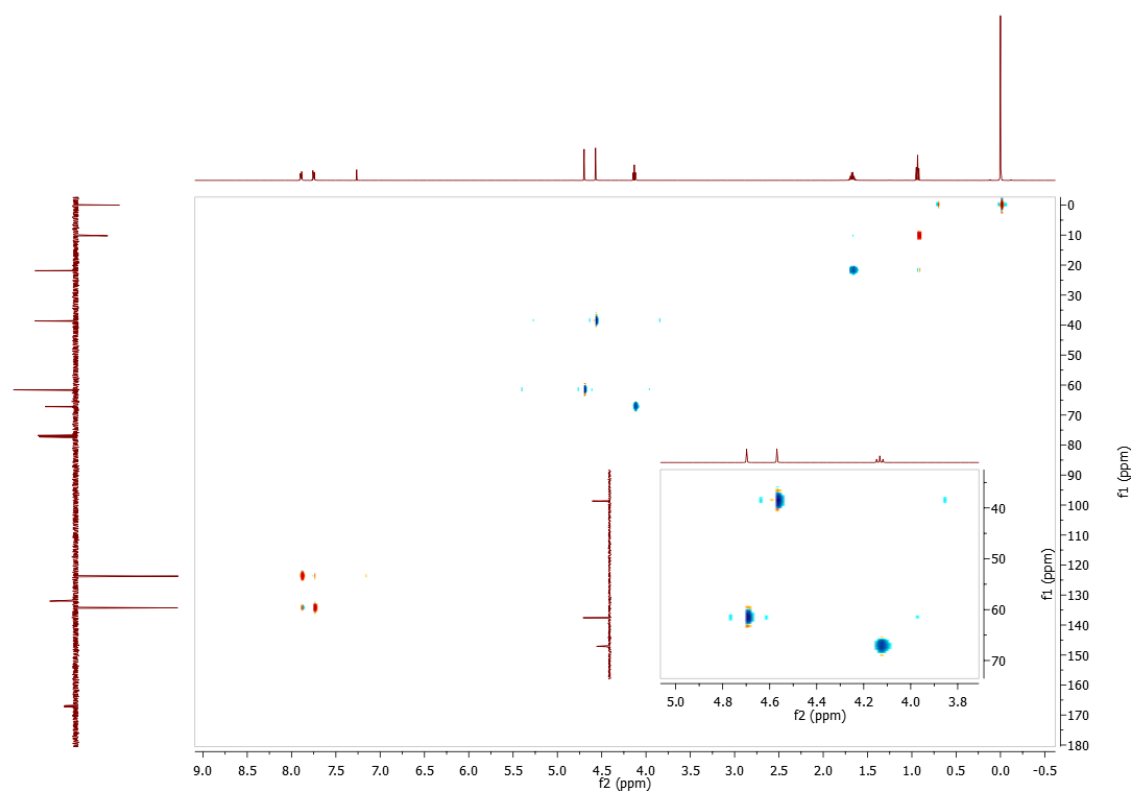


Figure S14. ^1H , ^{13}C -HSQC spectrum (400 MHz, CDCl_3) of compound **7c**.

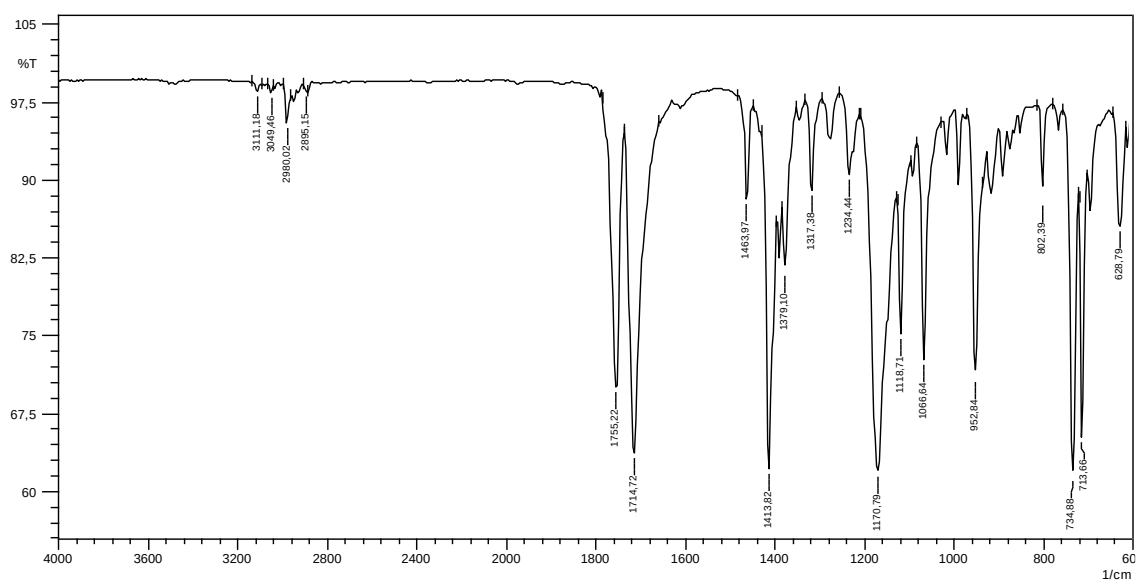


Figure S15. FTIR-ATR spectrum of compound **7c**.

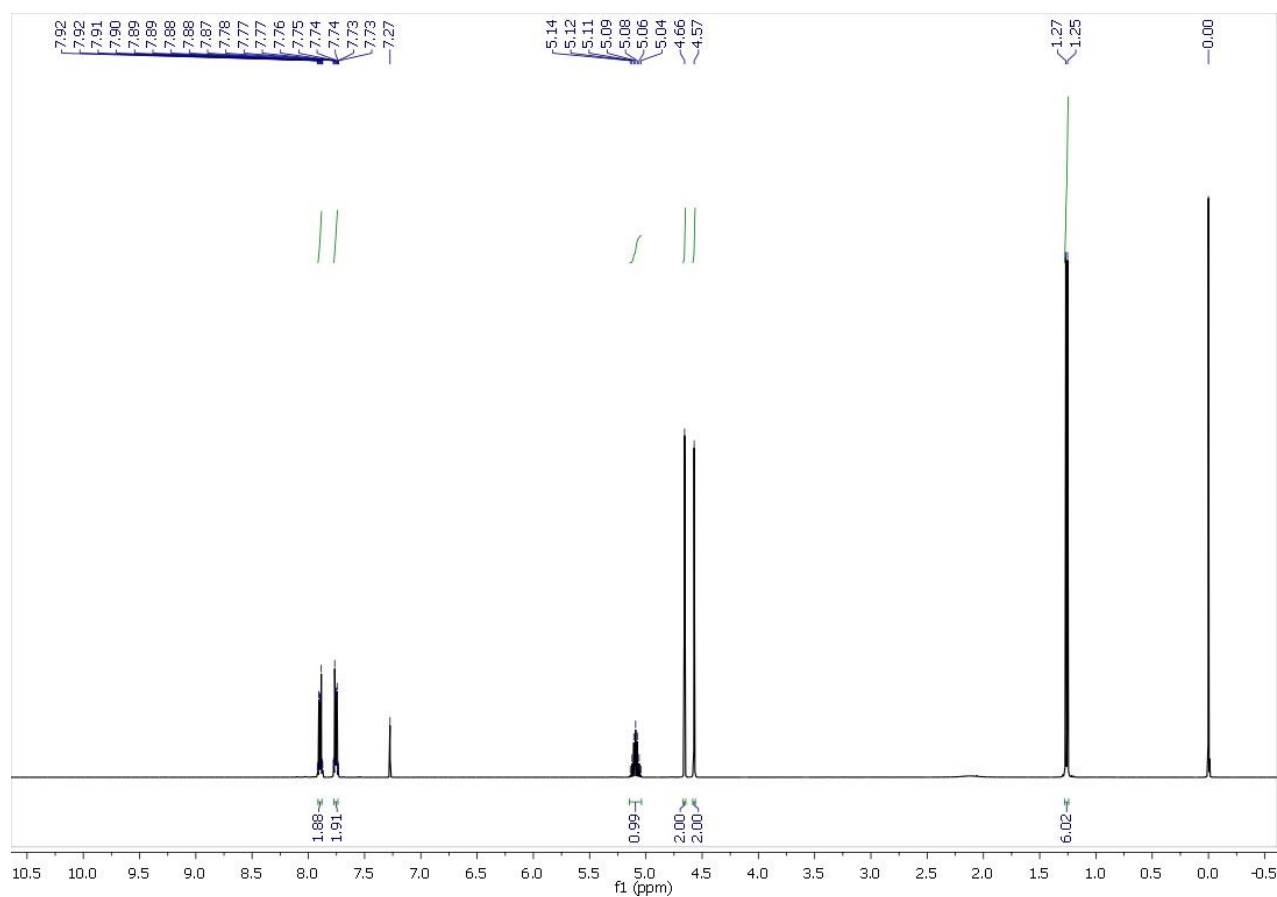


Figure S16. ¹H NMR spectrum (400 MHz, CDCl₃) of compound 7d.

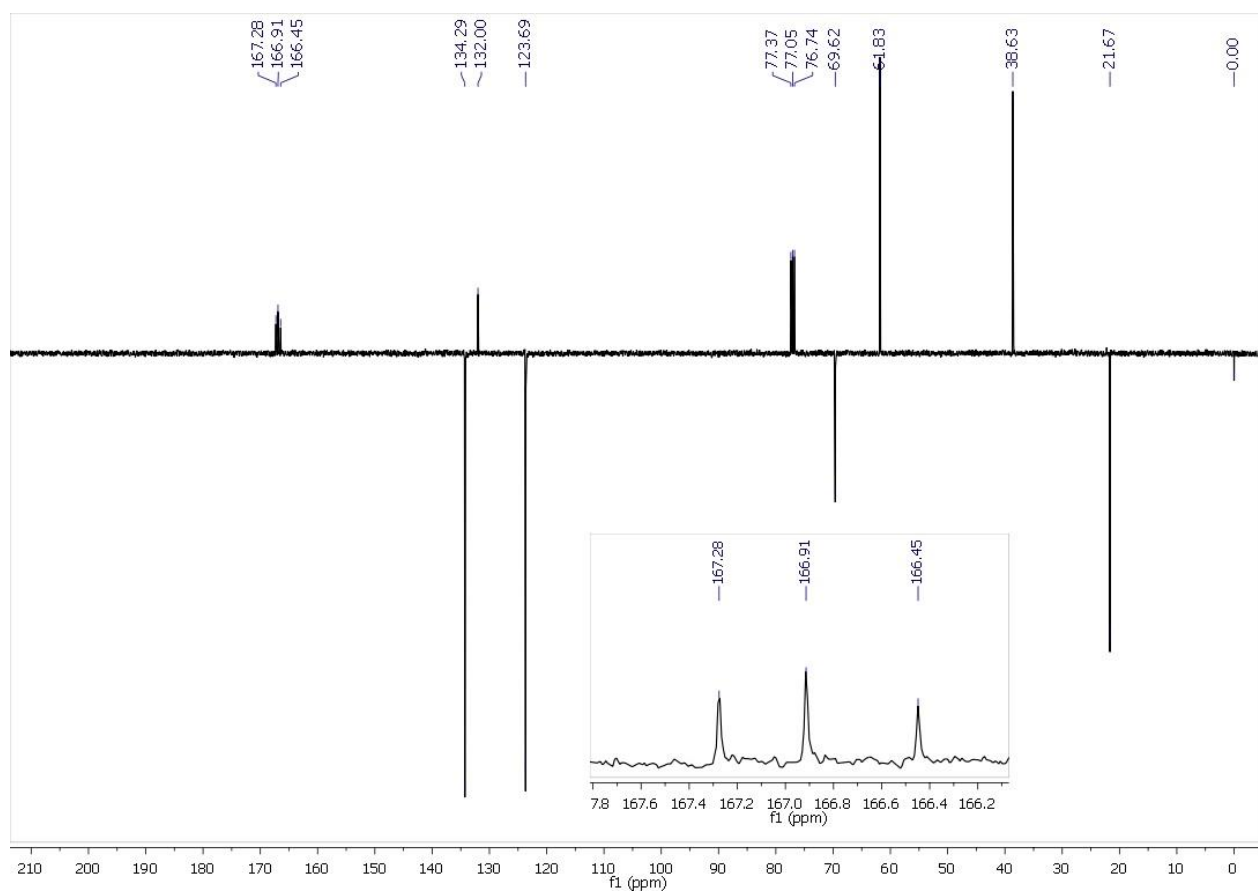


Figure S17. ¹³C NMR spectrum (101 MHz, CDCl₃) of compound 7d.

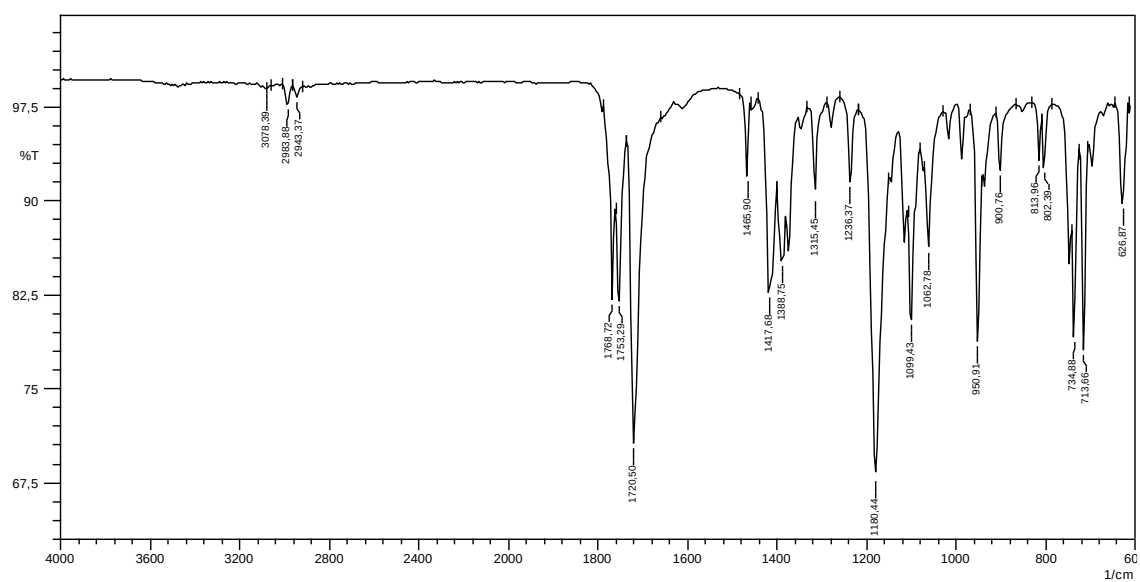


Figure S18. FTIR-ATR spectrum of compound **7d**.

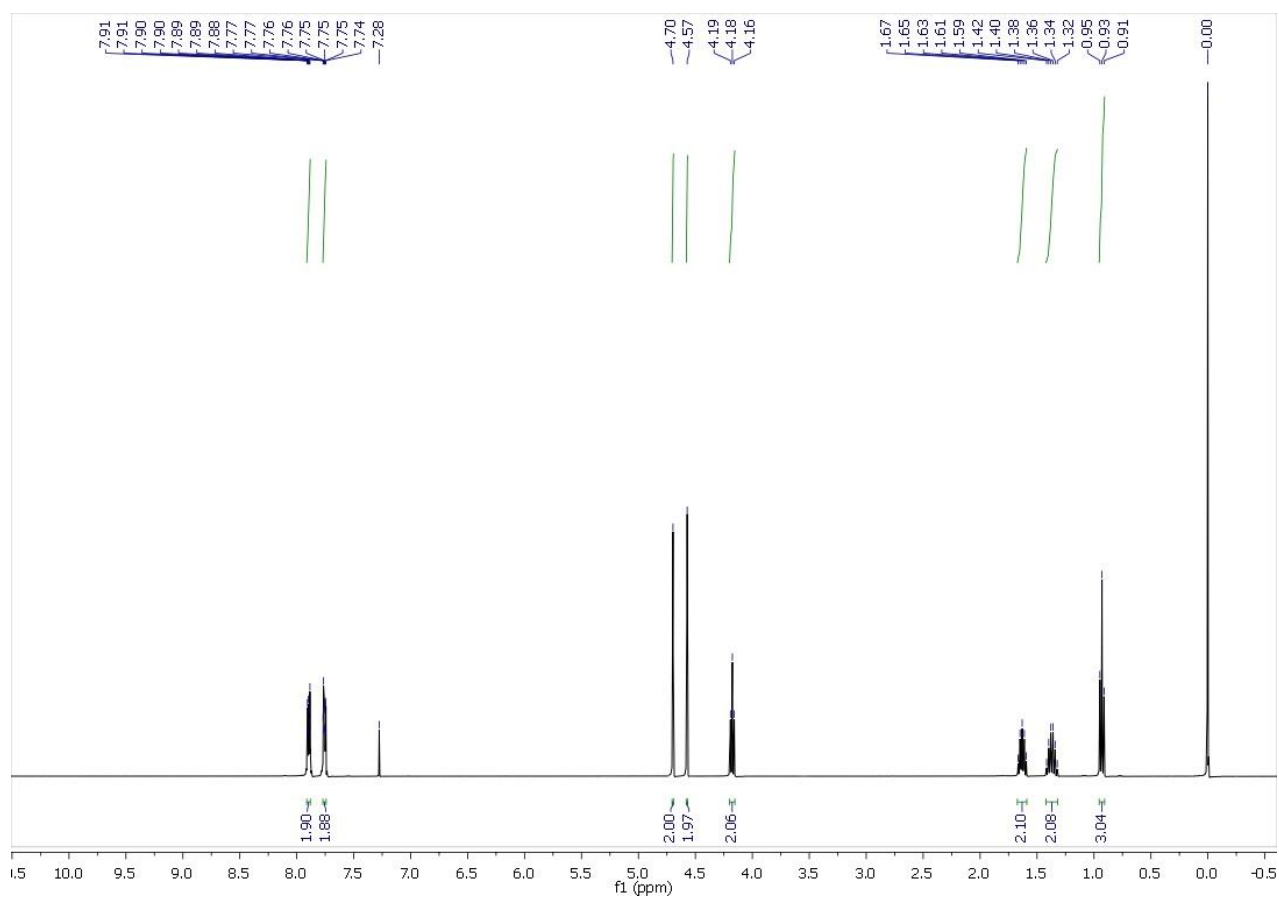


Figure S19. ^1H NMR spectrum (400 MHz, CDCl_3) of compound **7e**.

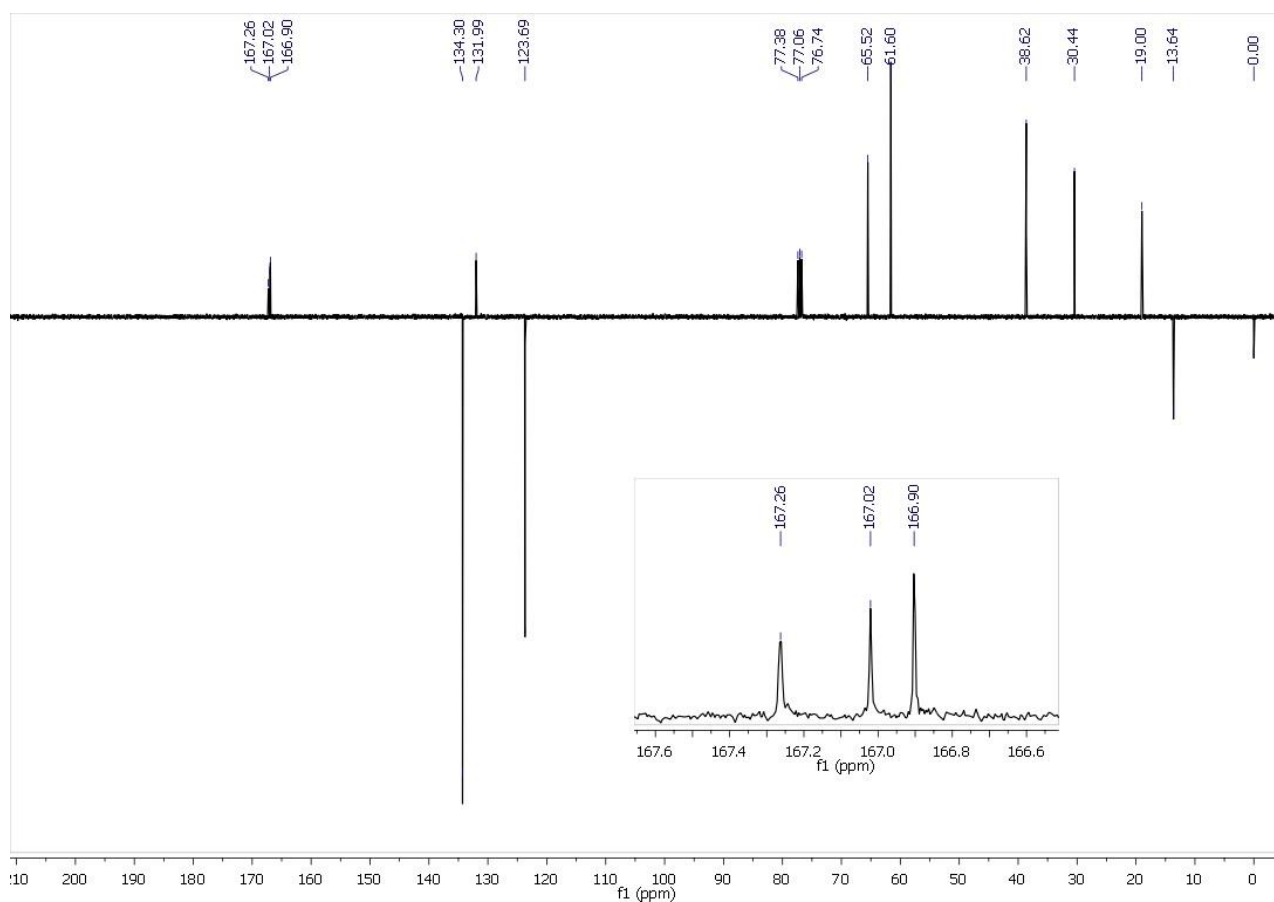


Figure S20. ¹³C NMR spectrum (101 MHz, CDCl₃) of compound **7e**.

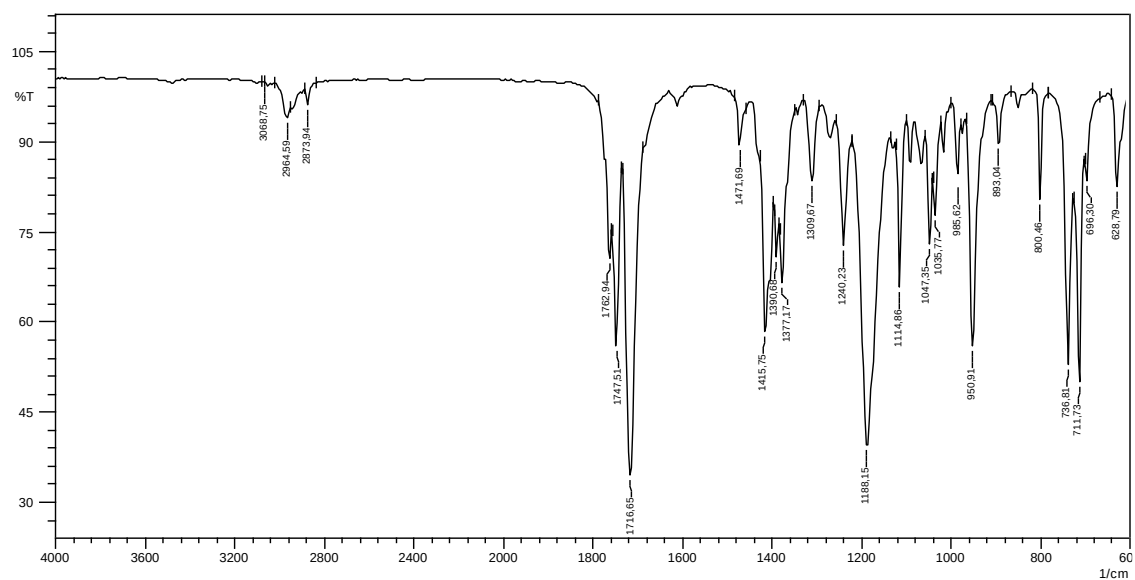


Figure S21. FTIR-ATR spectrum of compound **7e**.

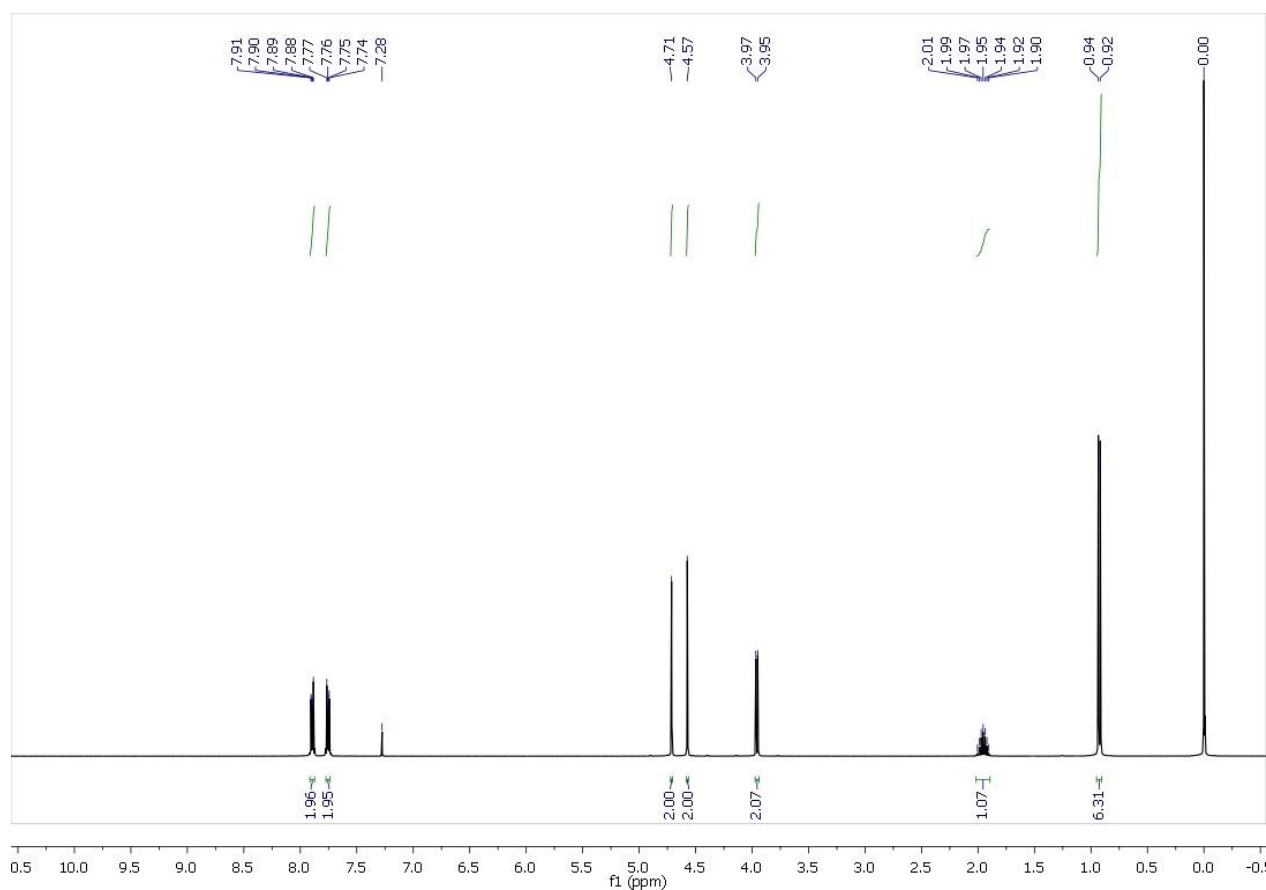


Figure S22. ¹H NMR spectrum (400 MHz, CDCl₃) of compound **7f**.

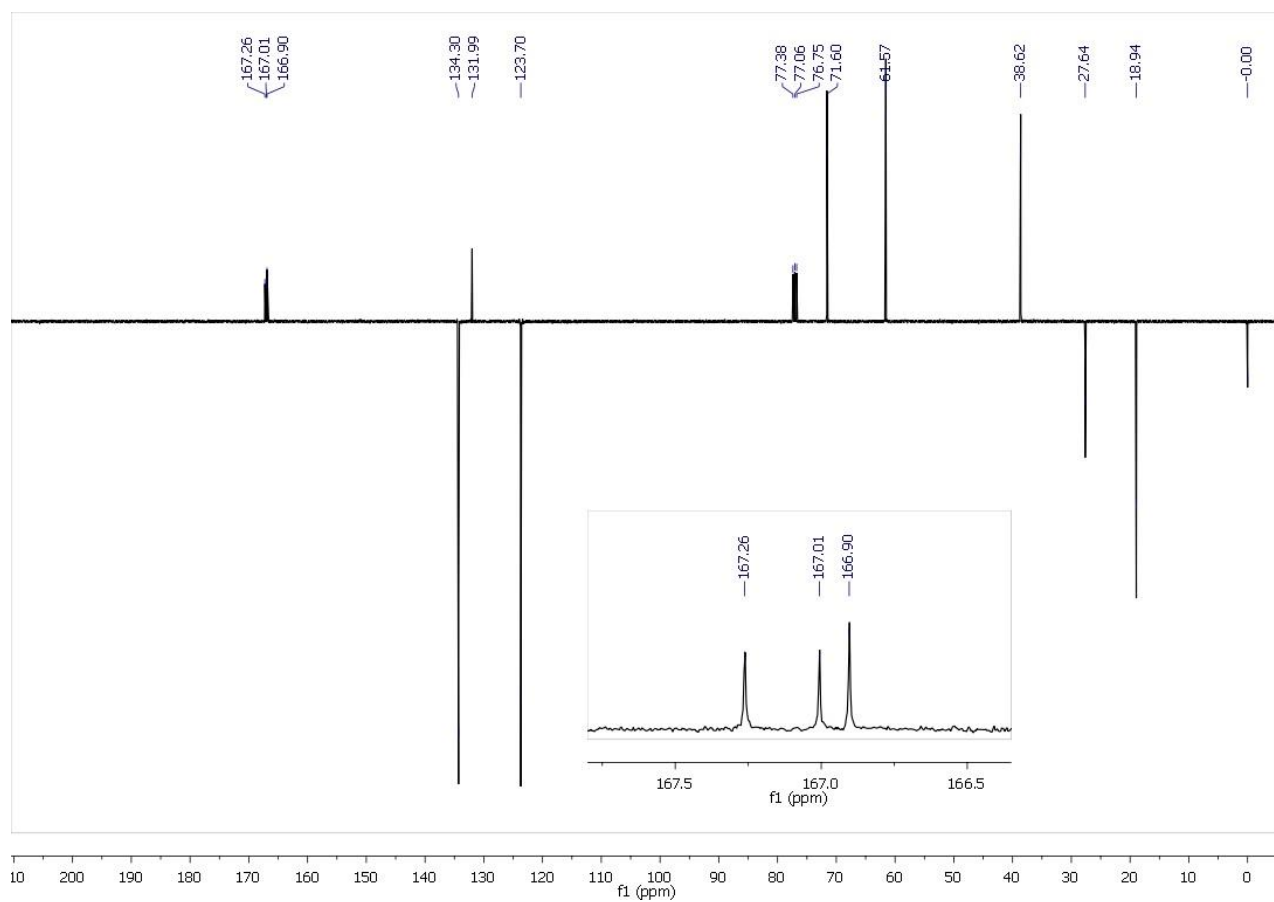


Figure S23. ¹³C NMR spectrum (101 MHz, CDCl₃) of compound **7f**.

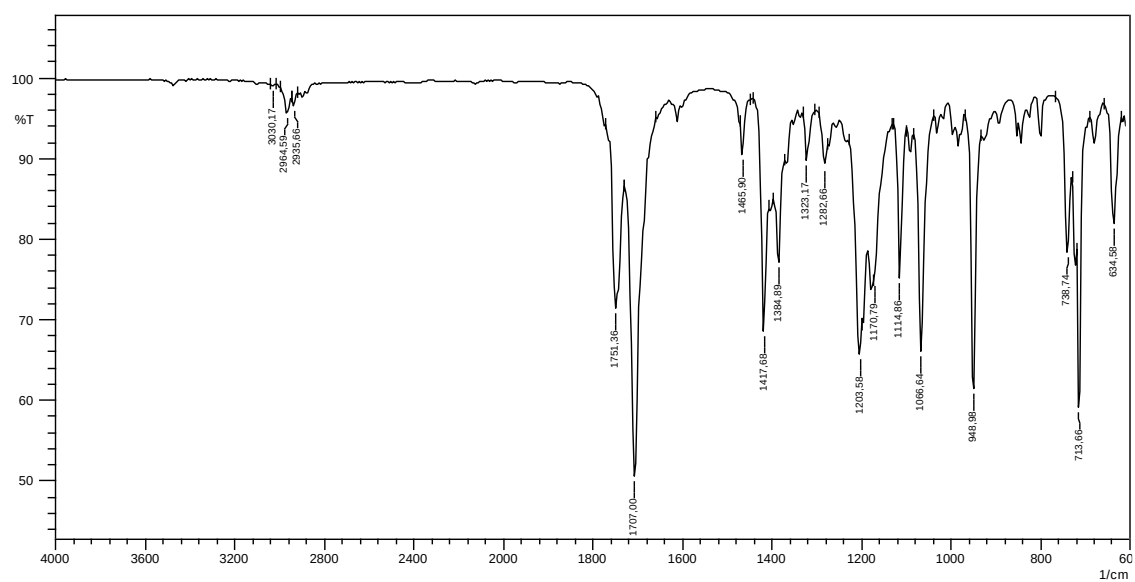


Figure S24. FTIR-ATR spectrum of compound **7f**.

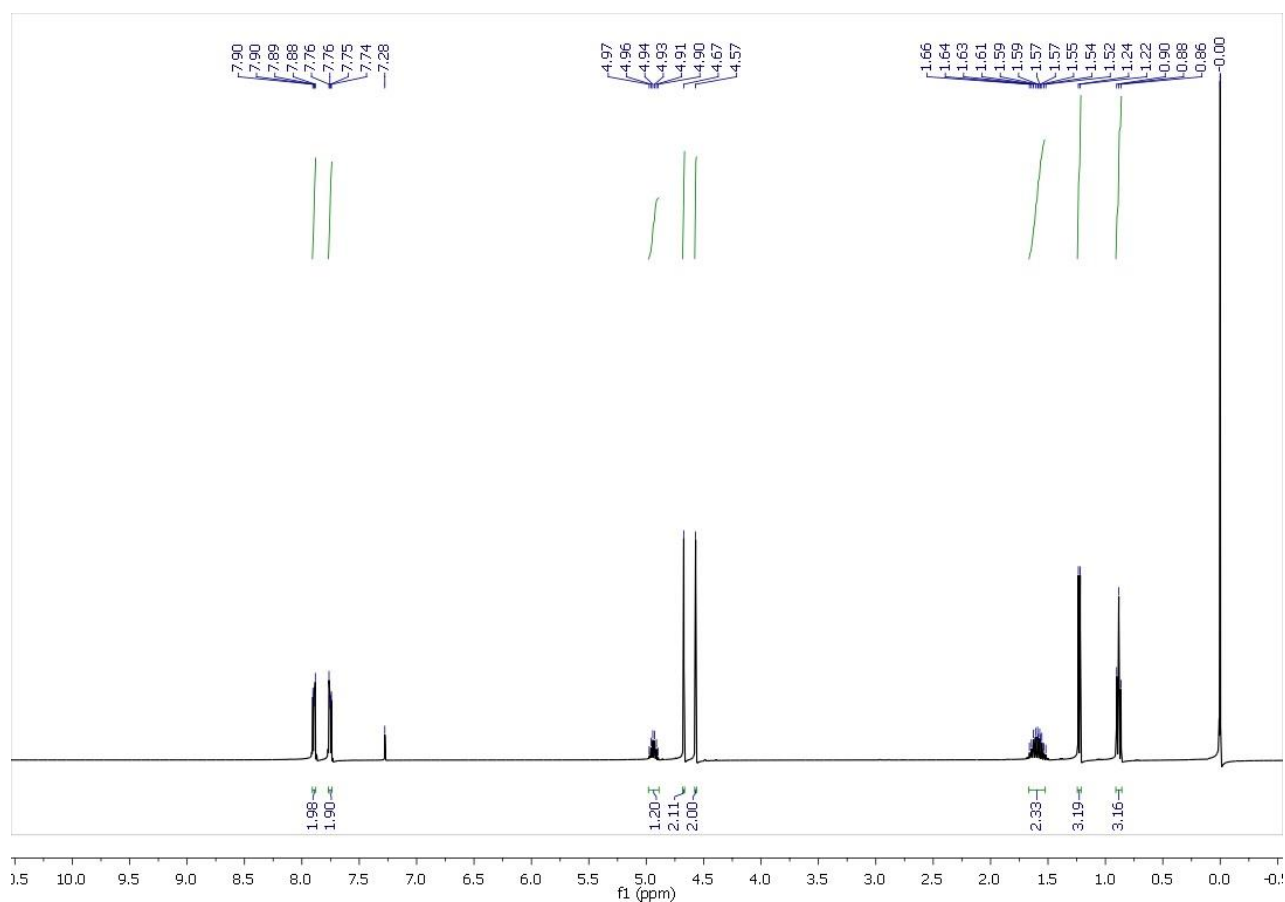


Figure S25. ^1H NMR spectrum (400 MHz, CDCl_3) of compound **7g**.

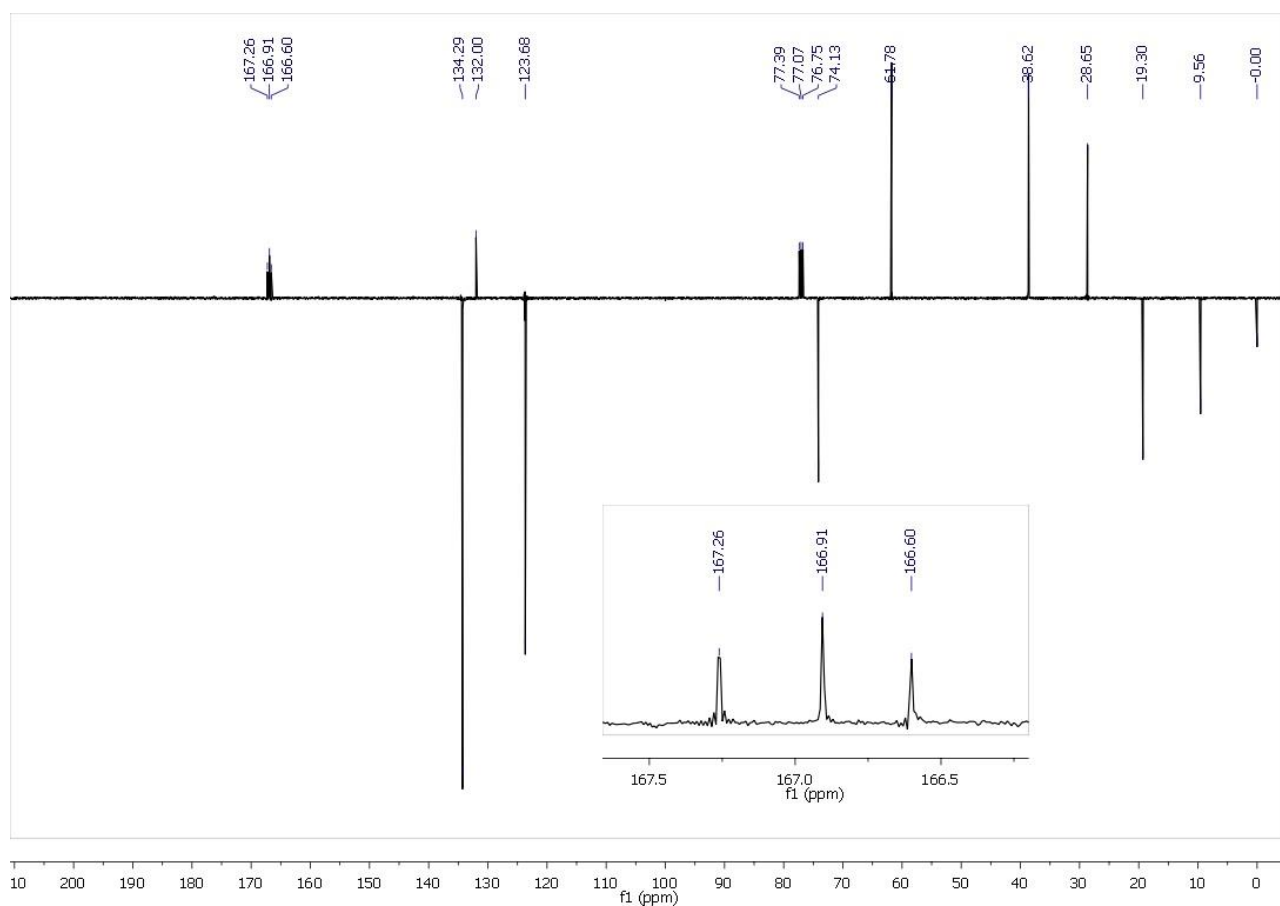


Figure S26. ^{13}C NMR spectrum (101 MHz, CDCl_3) of compound **7g**.

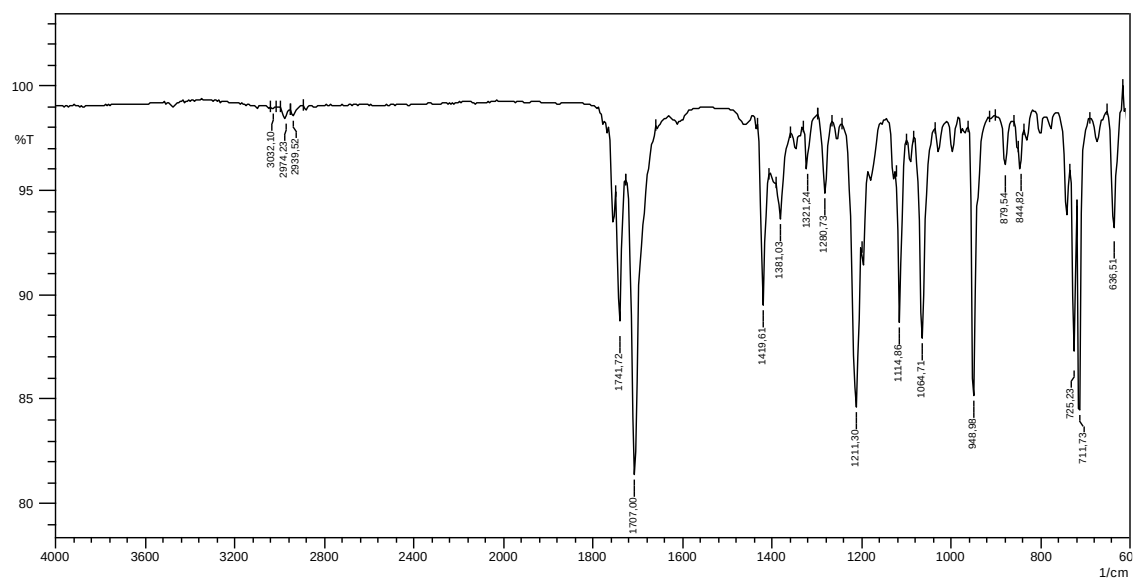


Figure S27. FTIR-ATR spectrum of compound **7g**.

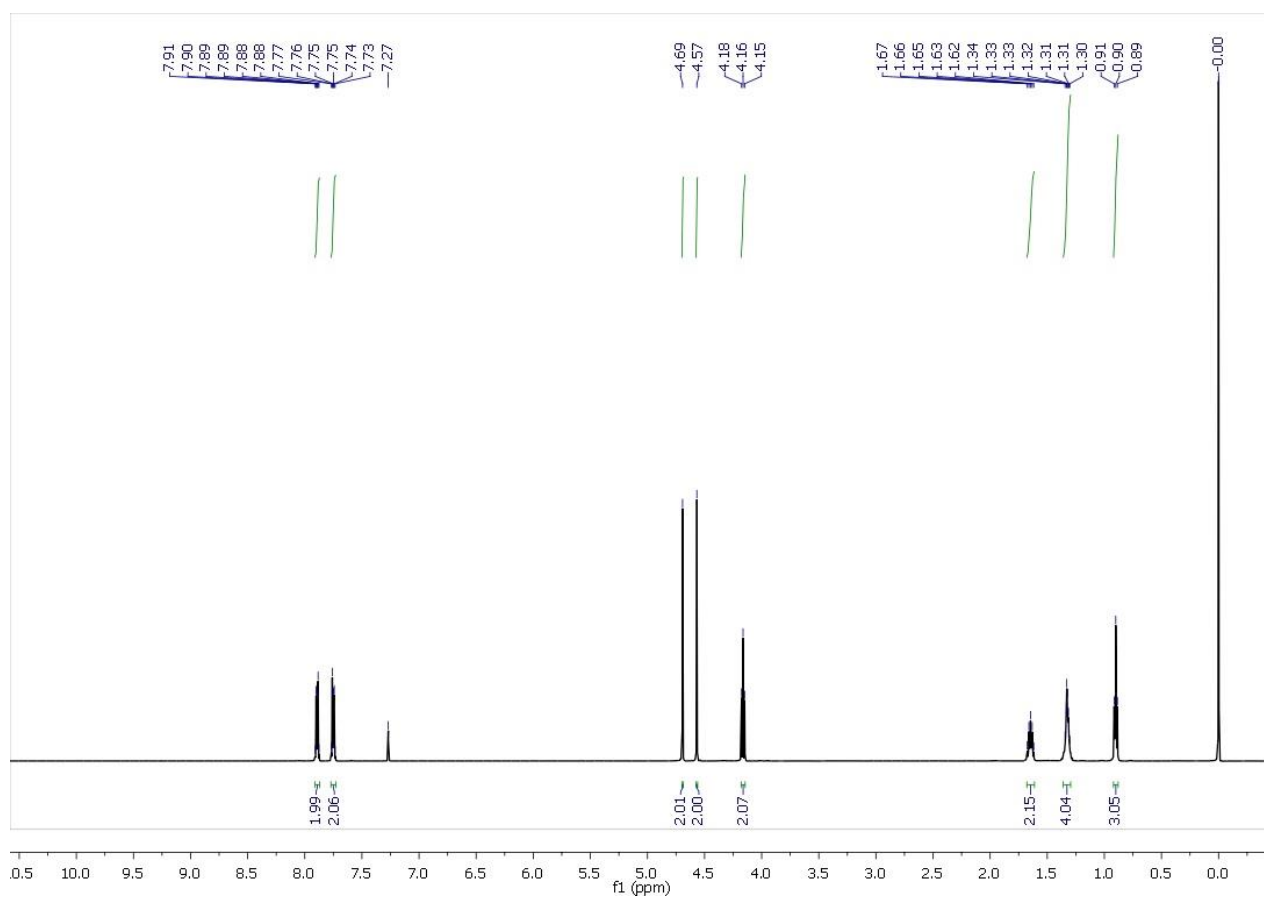


Figure S28. ¹H NMR spectrum (500 MHz, CDCl₃) of compound **7h**.

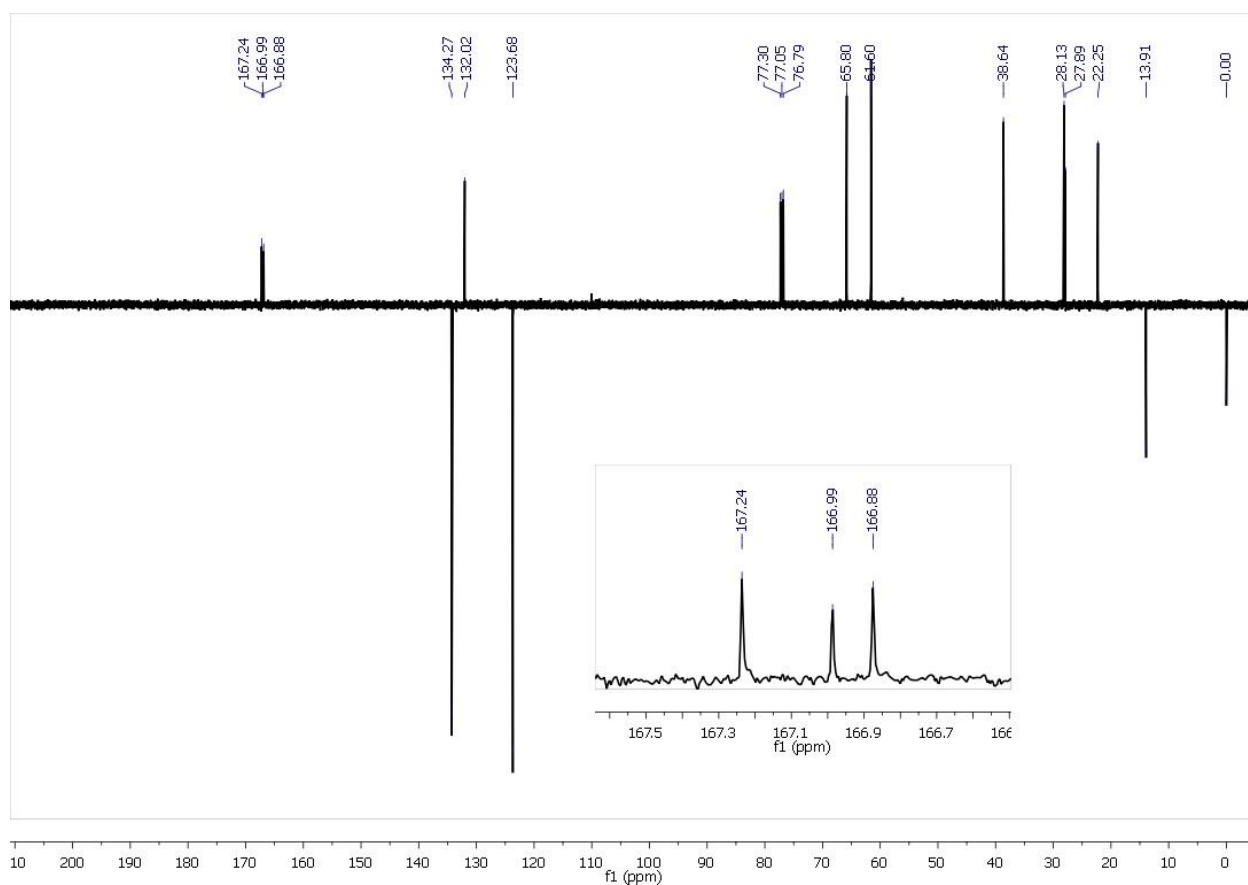


Figure S29. ¹³C NMR spectrum (126 MHz, CDCl₃) of compound **7h**.

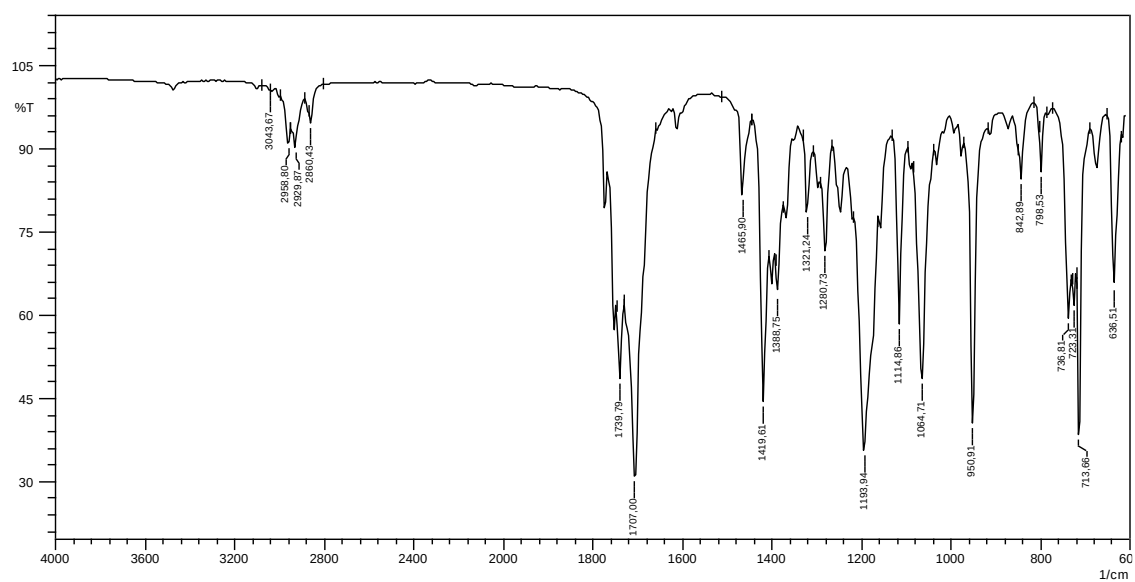


Figure S30. FTIR-ATR spectrum of compound **7h**.

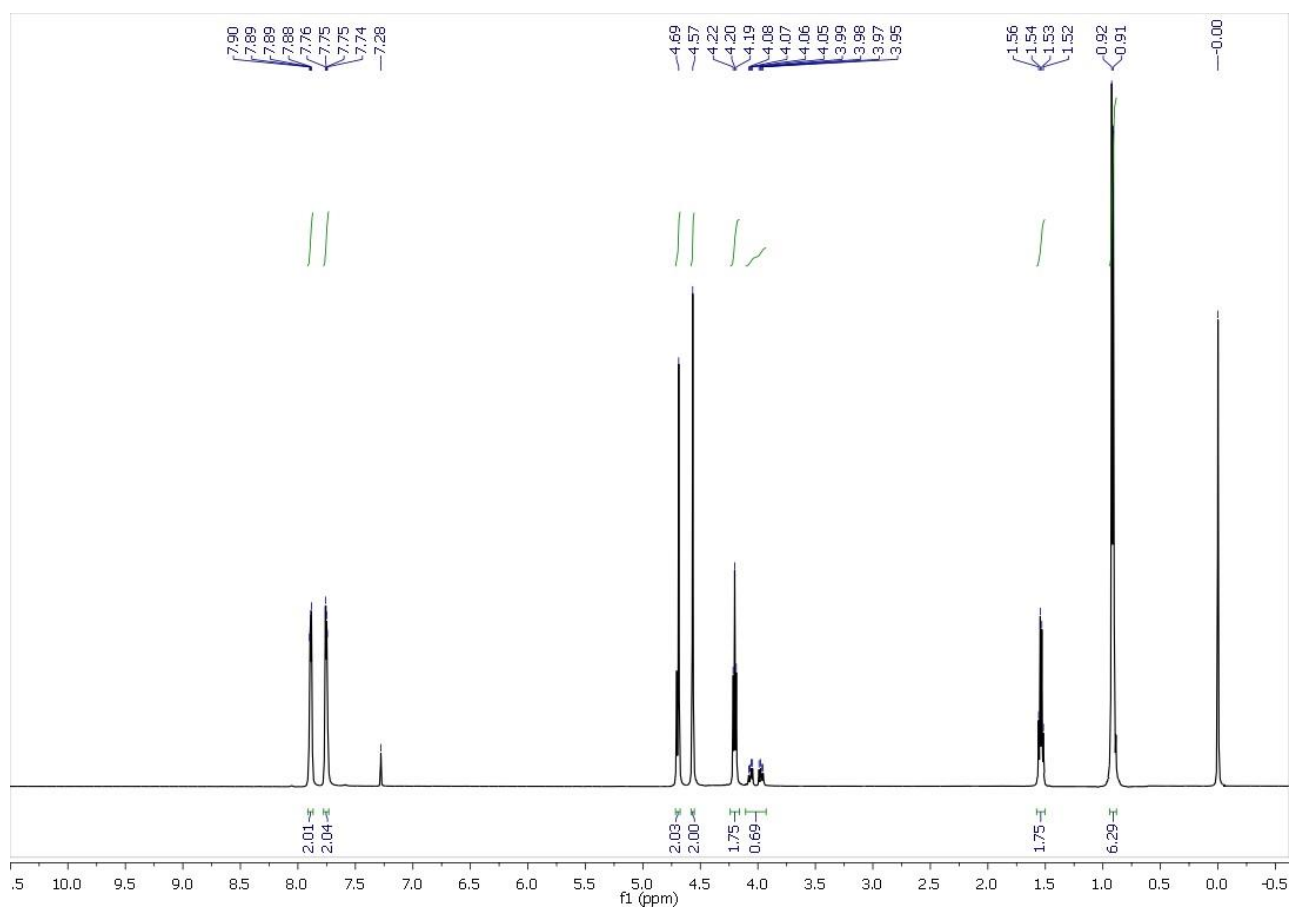


Figure S31. ¹H NMR spectrum (500 MHz, CDCl₃) of compound **7i**.

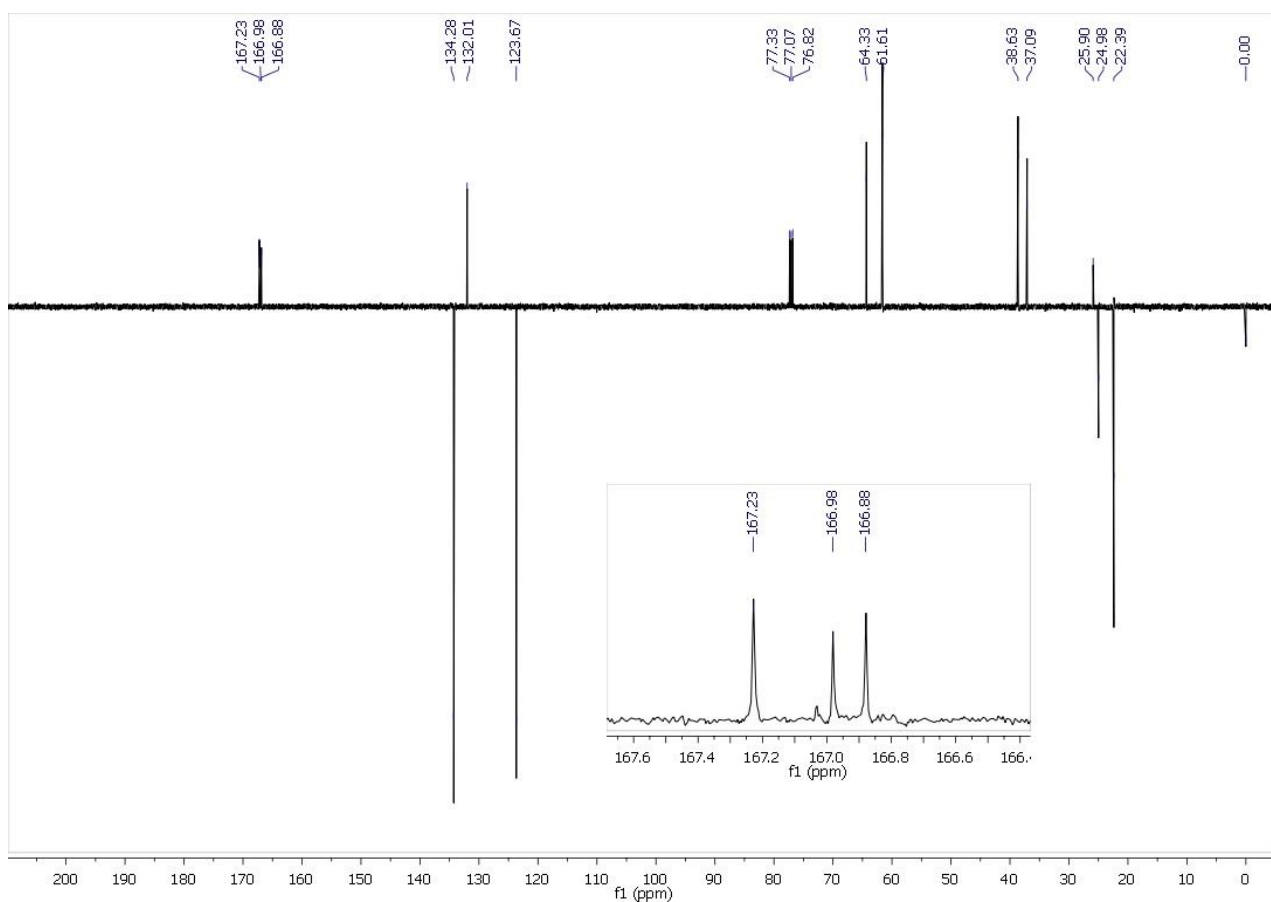


Figure S32. ¹³C NMR spectrum (126 MHz, CDCl₃) of compound **7i**.

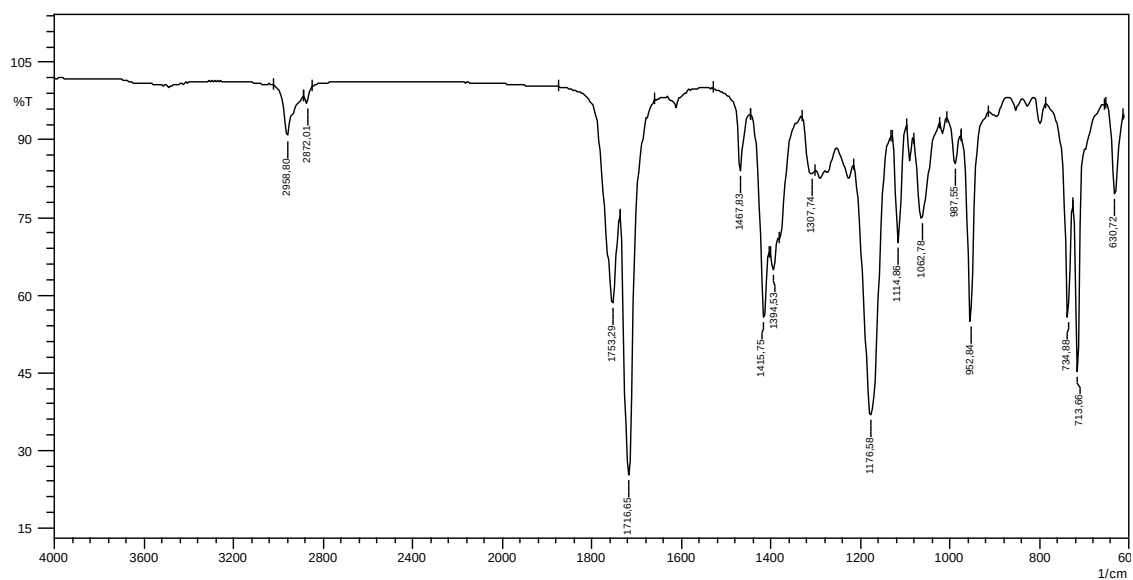


Figure S33. FTIR-ATR spectrum of compound **7i**.