New Journal of Chemistry

New 8-hydroxyquinoline derivatives highlight the potential of this class for treatment of fungal infections

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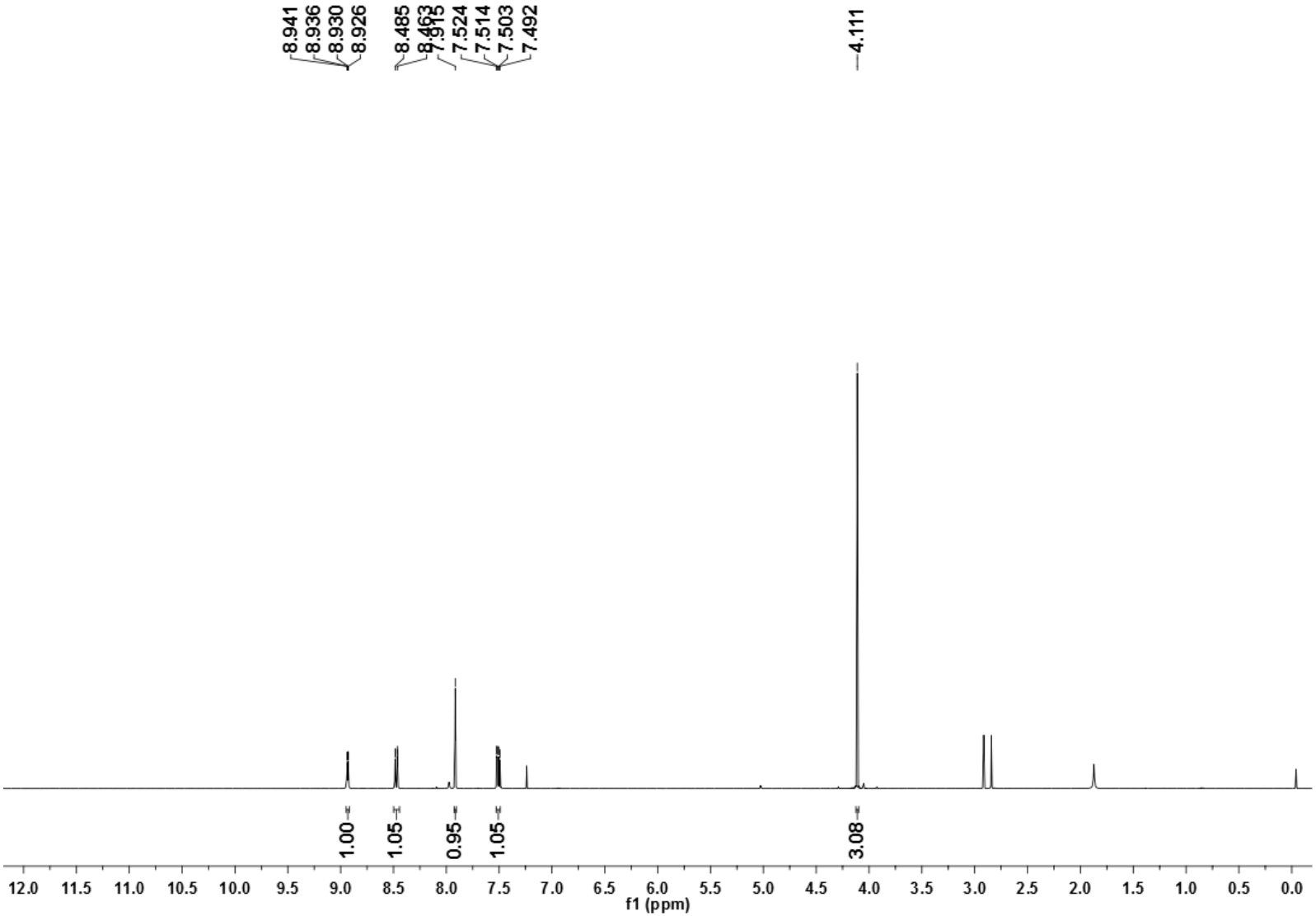


Figure S1. ^{1}H NMR spectrum in $CDCl_3$ of compound **3** (5-chloro-7-iodo-8-methoxyquinoline).

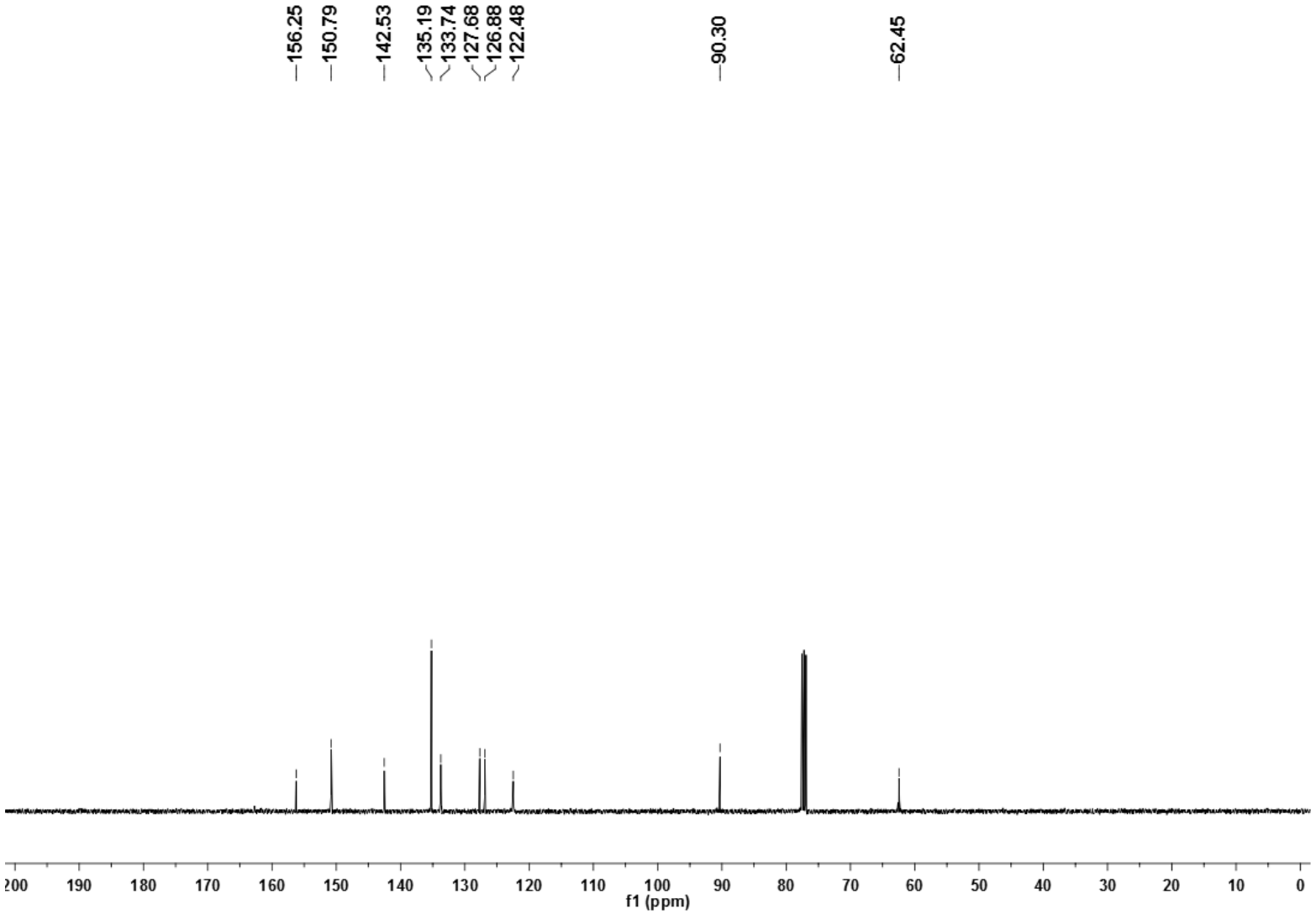


Figure S2. ^{13}C NMR spectrum in $CDCl_3$ of compound **3** (5-chloro-7-iodo-8-methoxyquinoline).

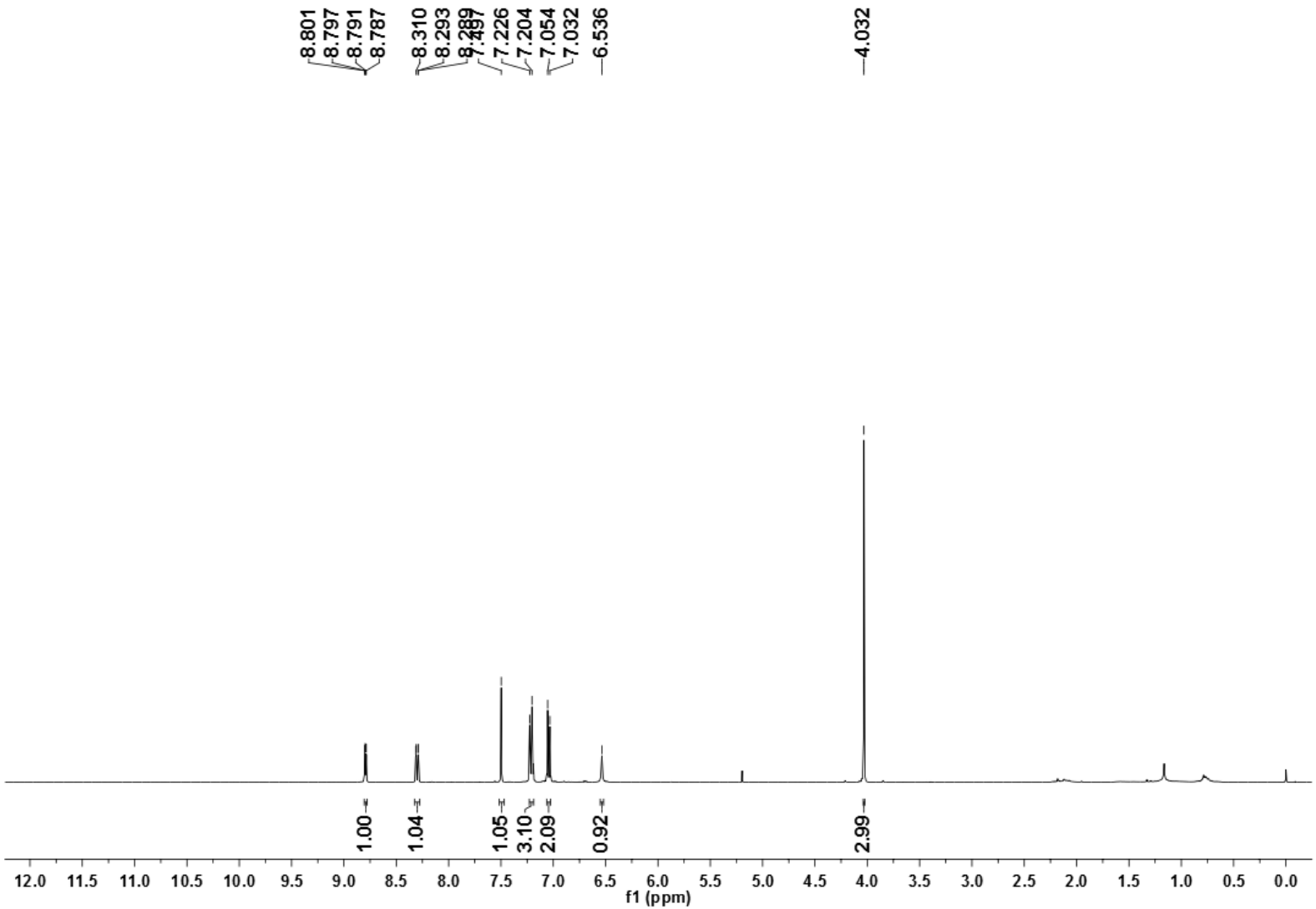


Figure S3. ^{1}H NMR spectrum in $CDCl_3$ of compound **4a**.

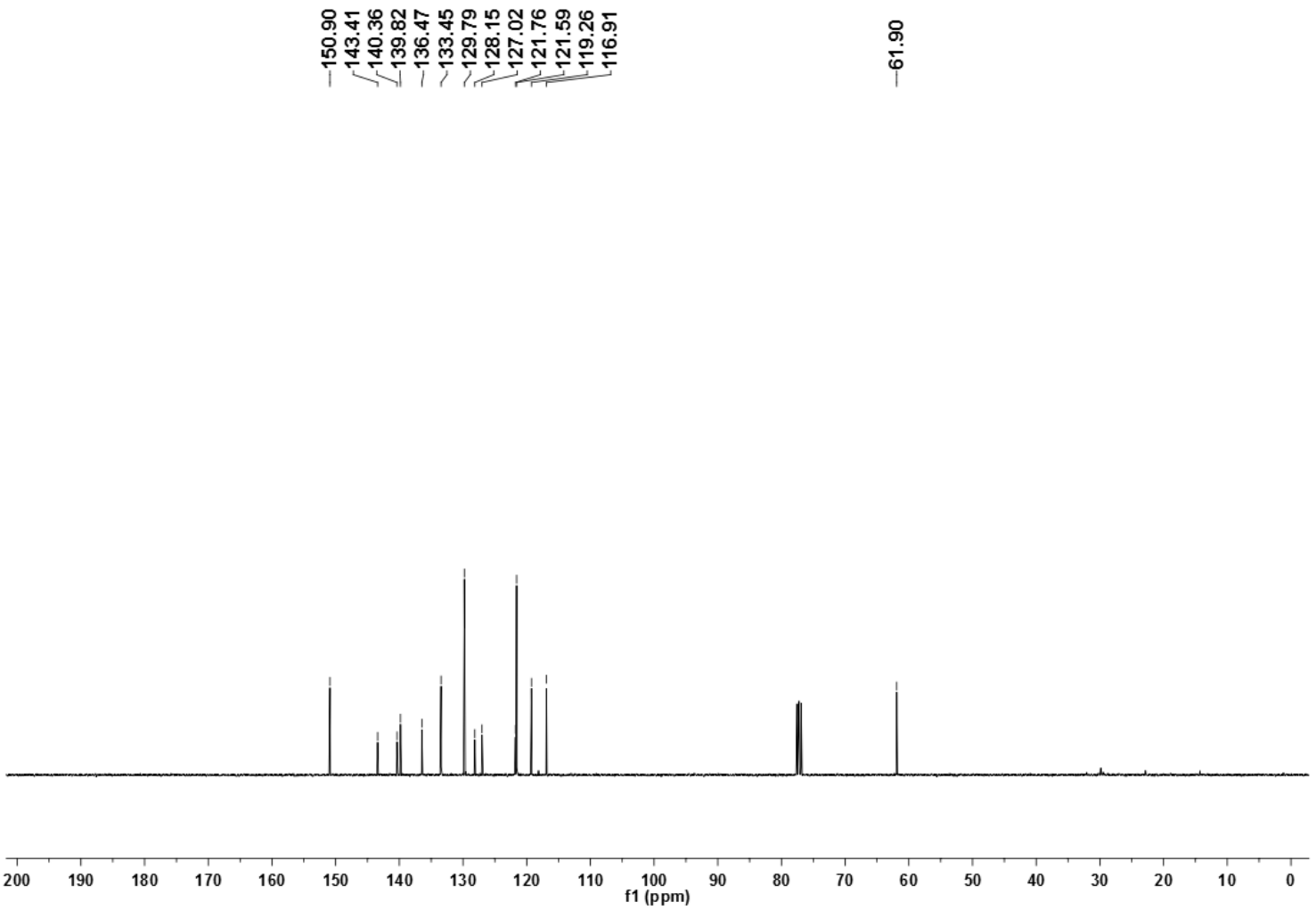


Figure S4. ^{13}C NMR spectrum in $CDCl_3$ of compound **4a**.

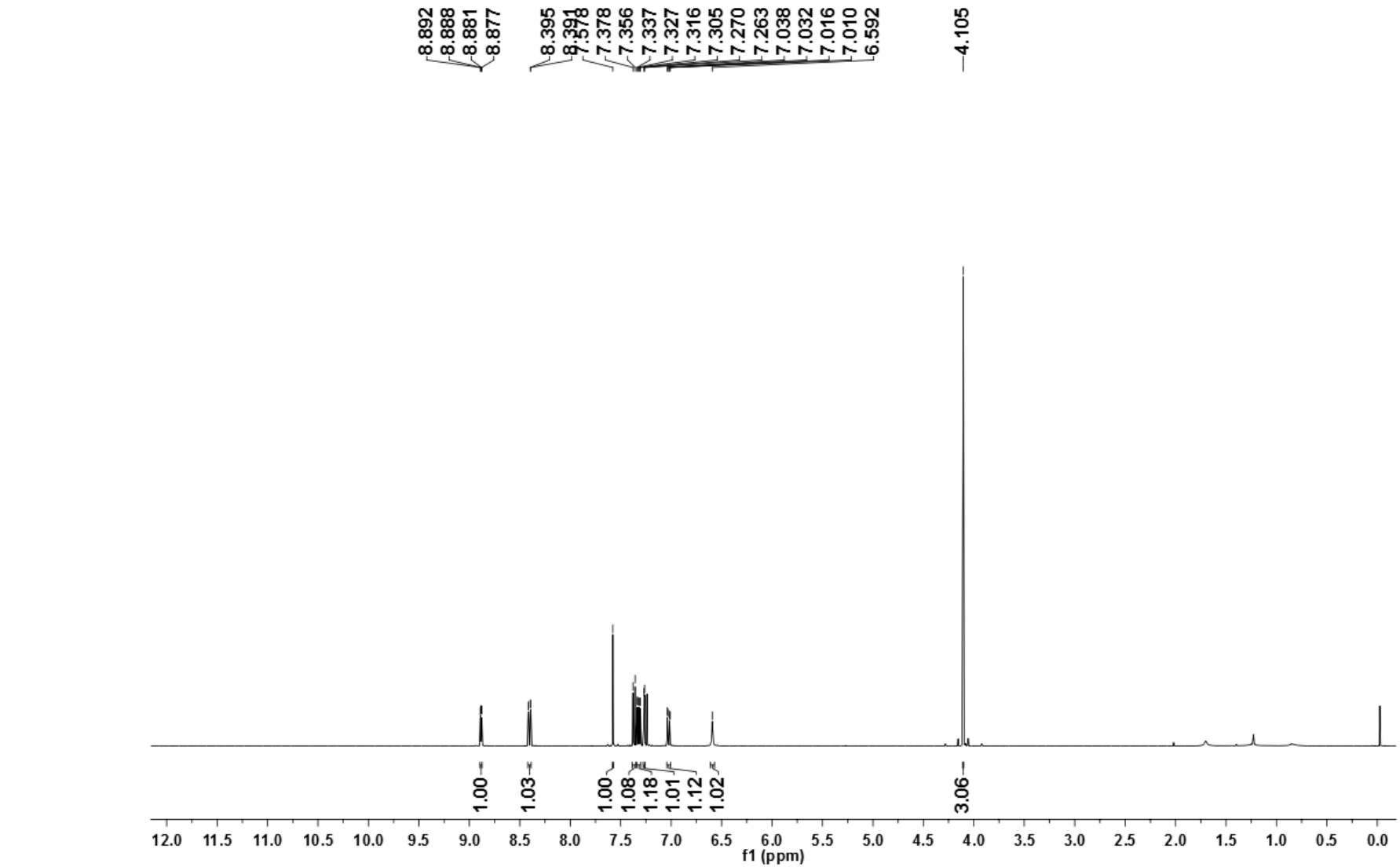


Figure S5. ^{1}H NMR spectrum in $CDCl_3$ of compound **4b**.

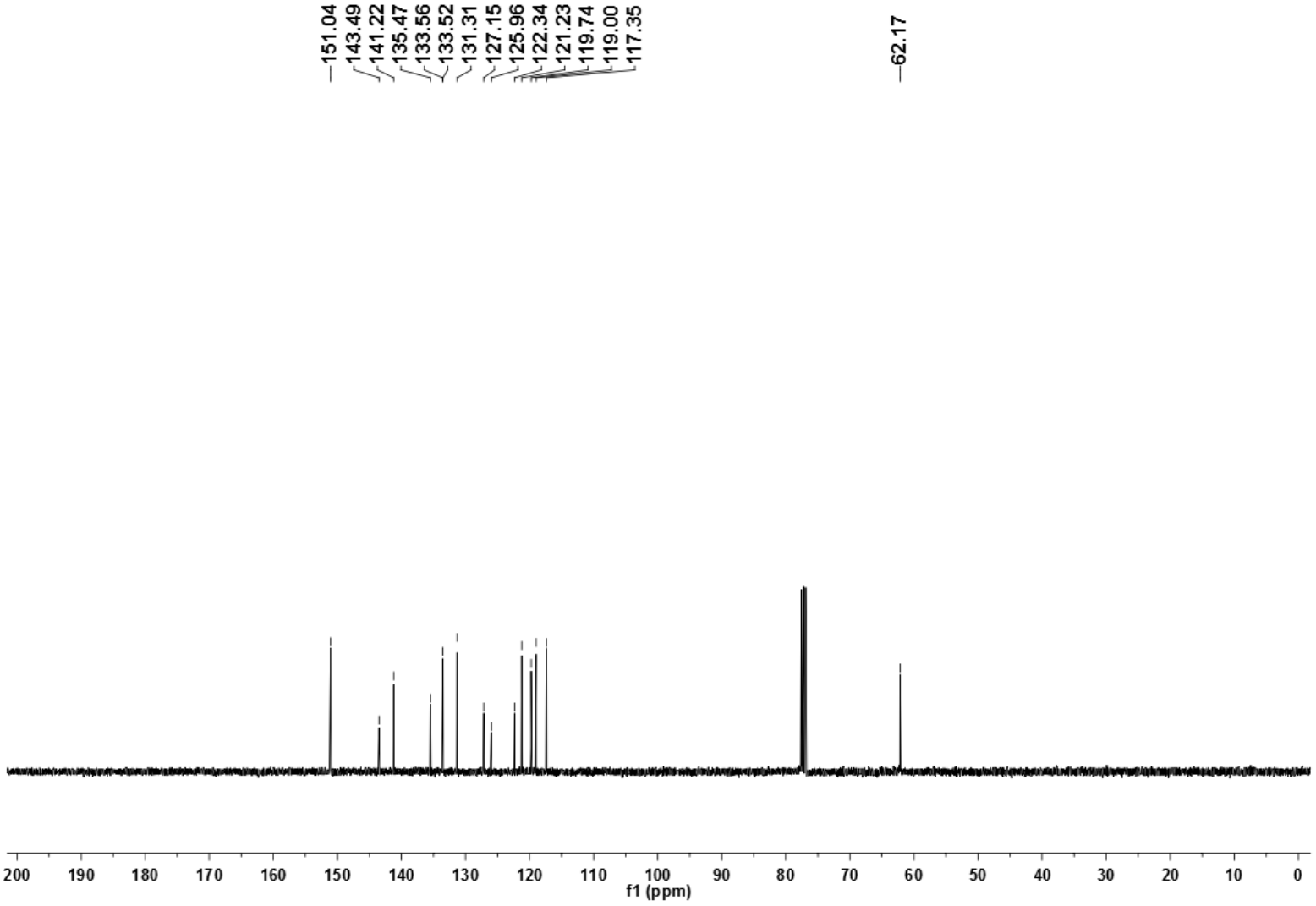


Figure S6. ^{13}C NMR spectrum in $CDCl_3$ of compound **4b**.

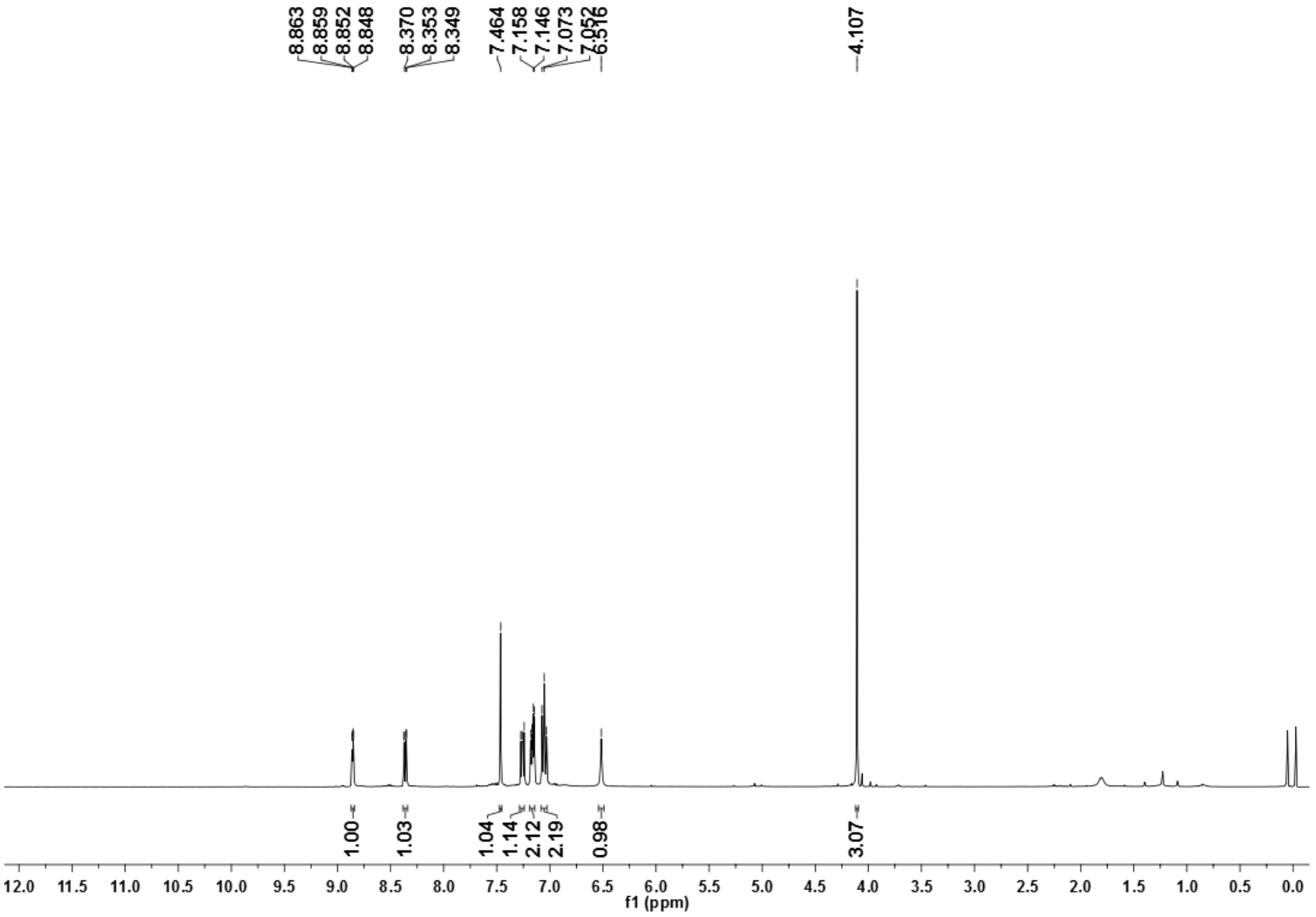


Figure S7. ^{1}H NMR spectrum in $CDCl_3$ of compound **4c**.

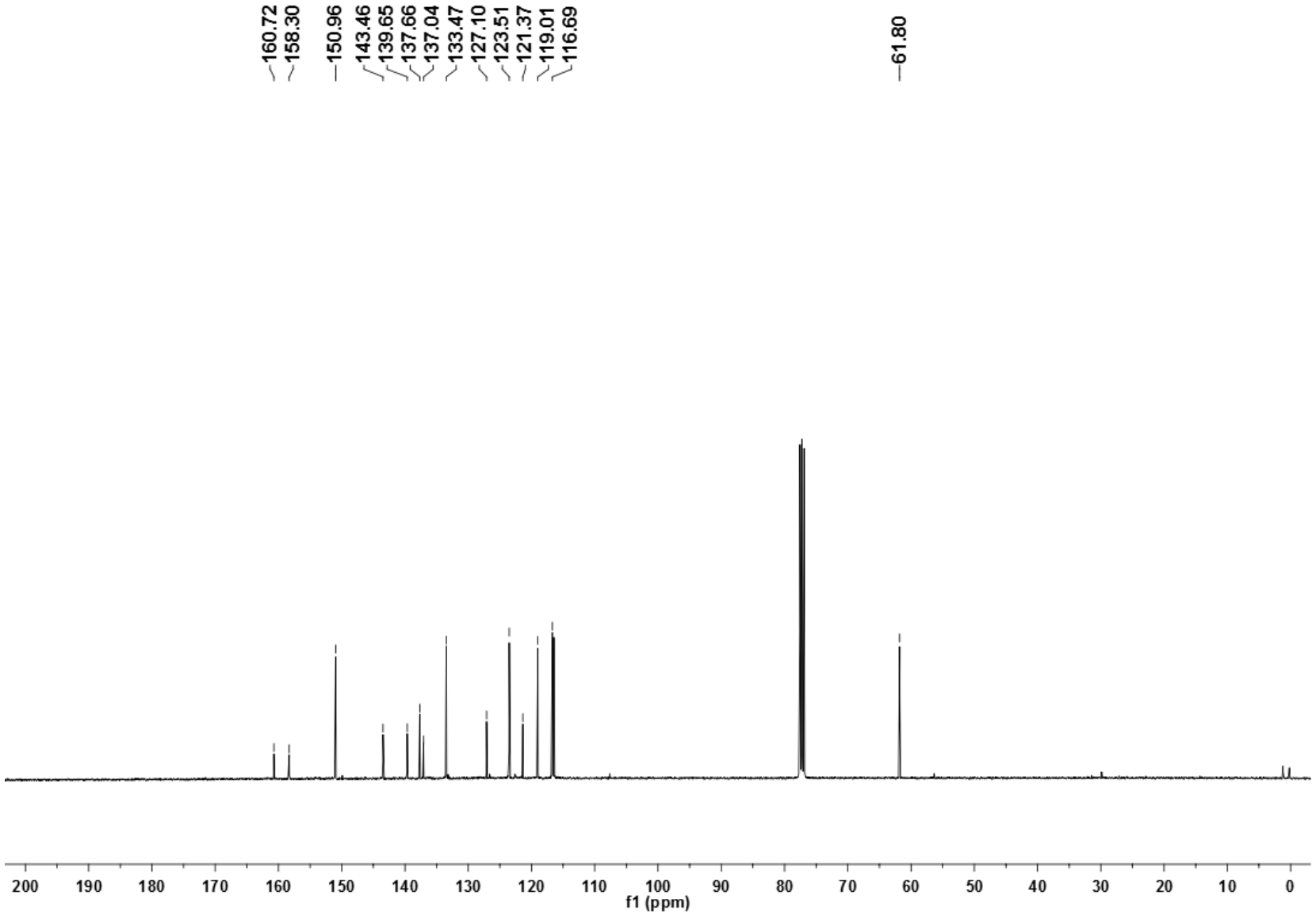


Figure S8. ^{13}C NMR spectrum in $CDCl_3$ of compound **4c**.

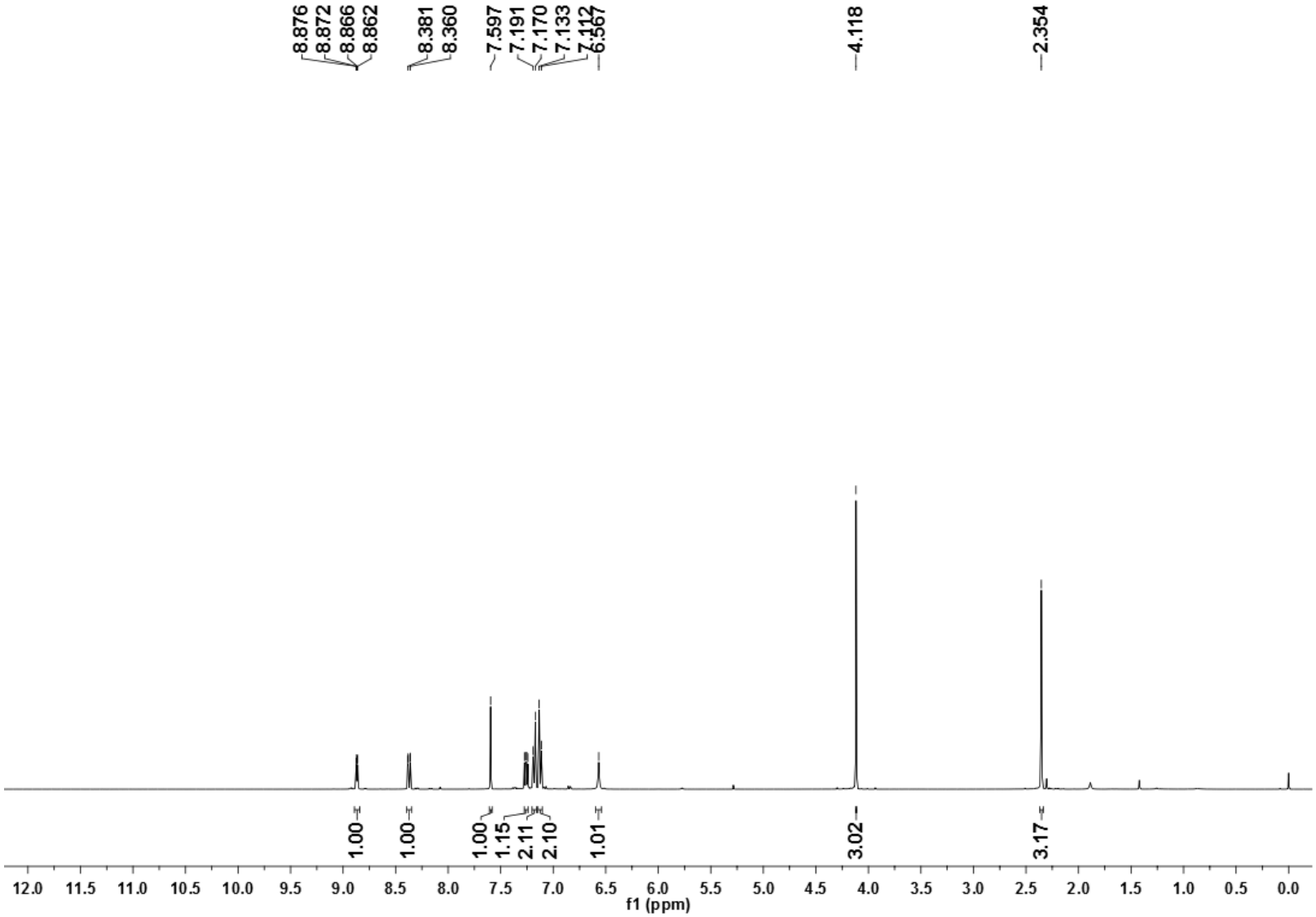


Figure S9. ^{1}H NMR spectrum in $CDCl_3$ of compound **4d**.

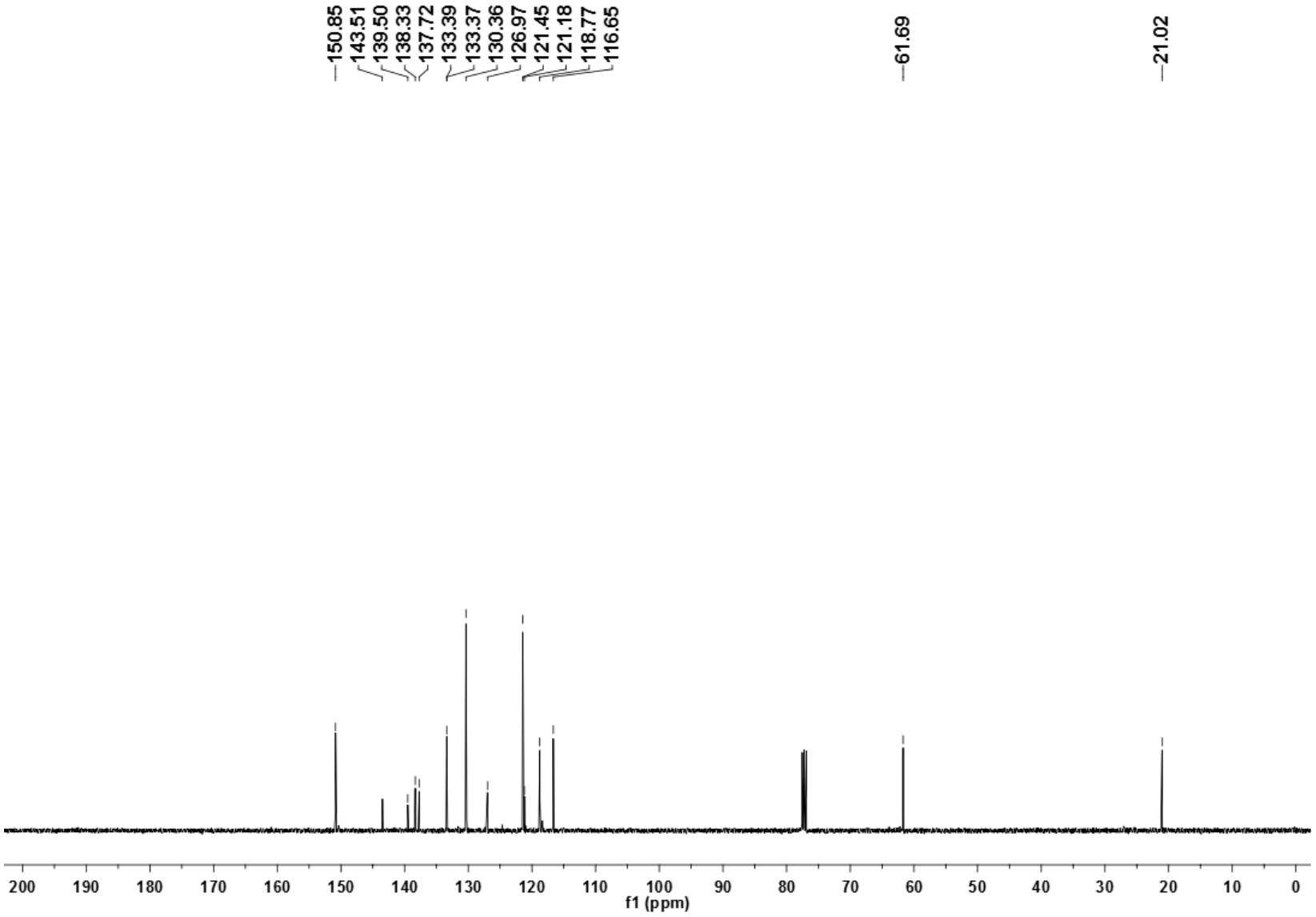


Figure S10. ^{13}C NMR spectrum in $CDCl_3$ of compound **4d**.

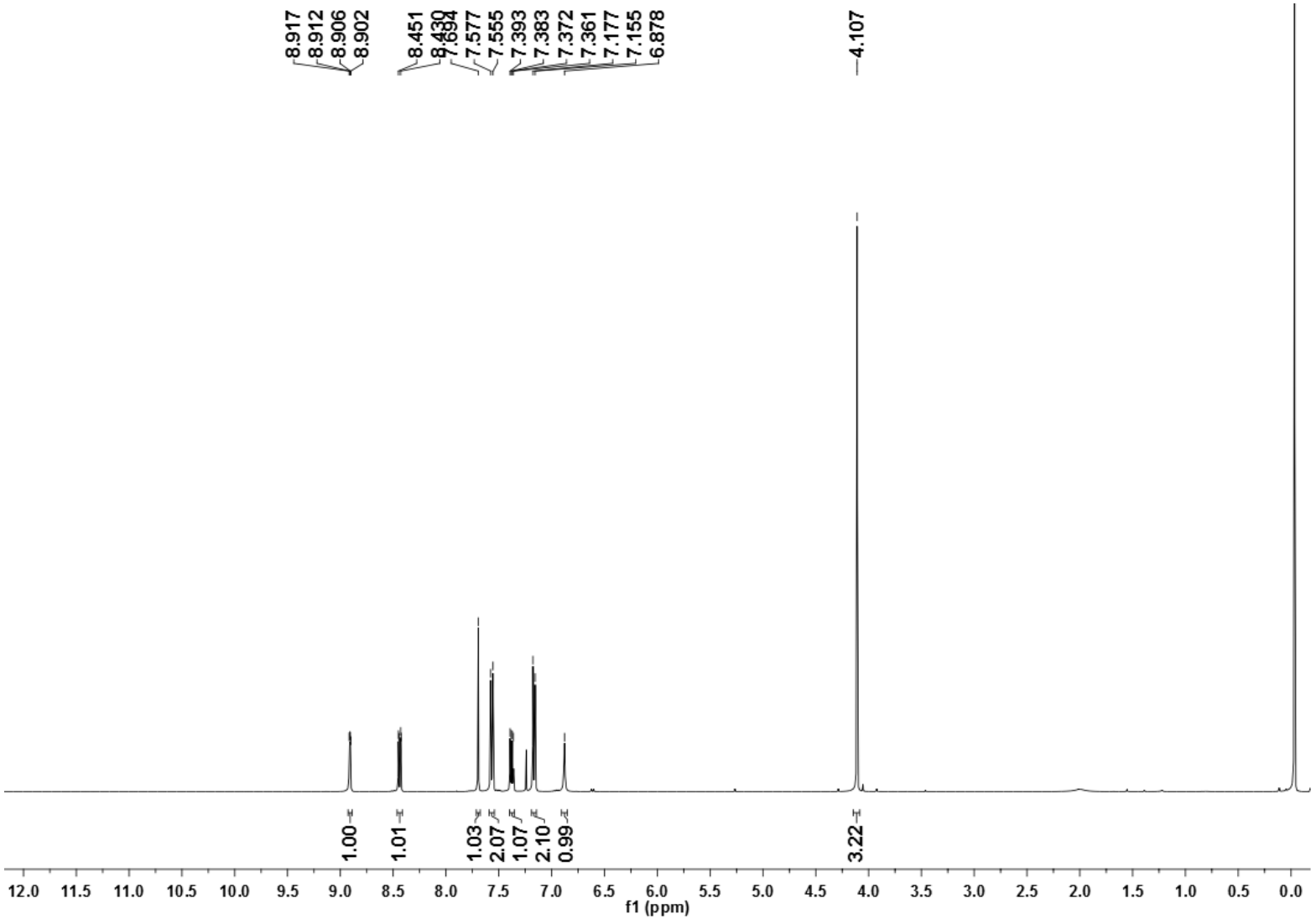


Figure S11. ^{1}H NMR spectrum in $CDCl_3$ of compound **4e**.

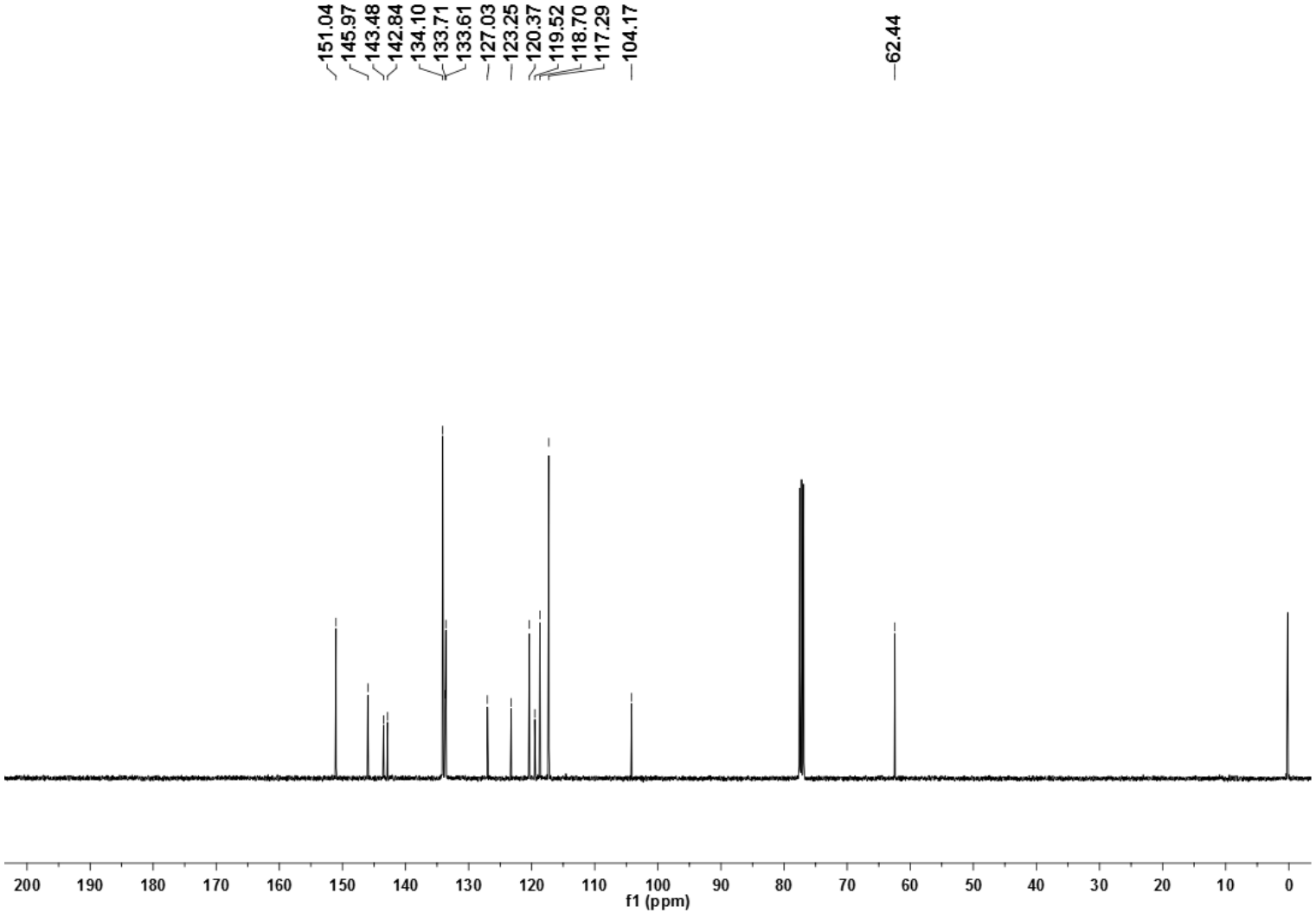


Figure S12. ^{13}C NMR spectrum in $CDCl_3$ of compound **4e**.

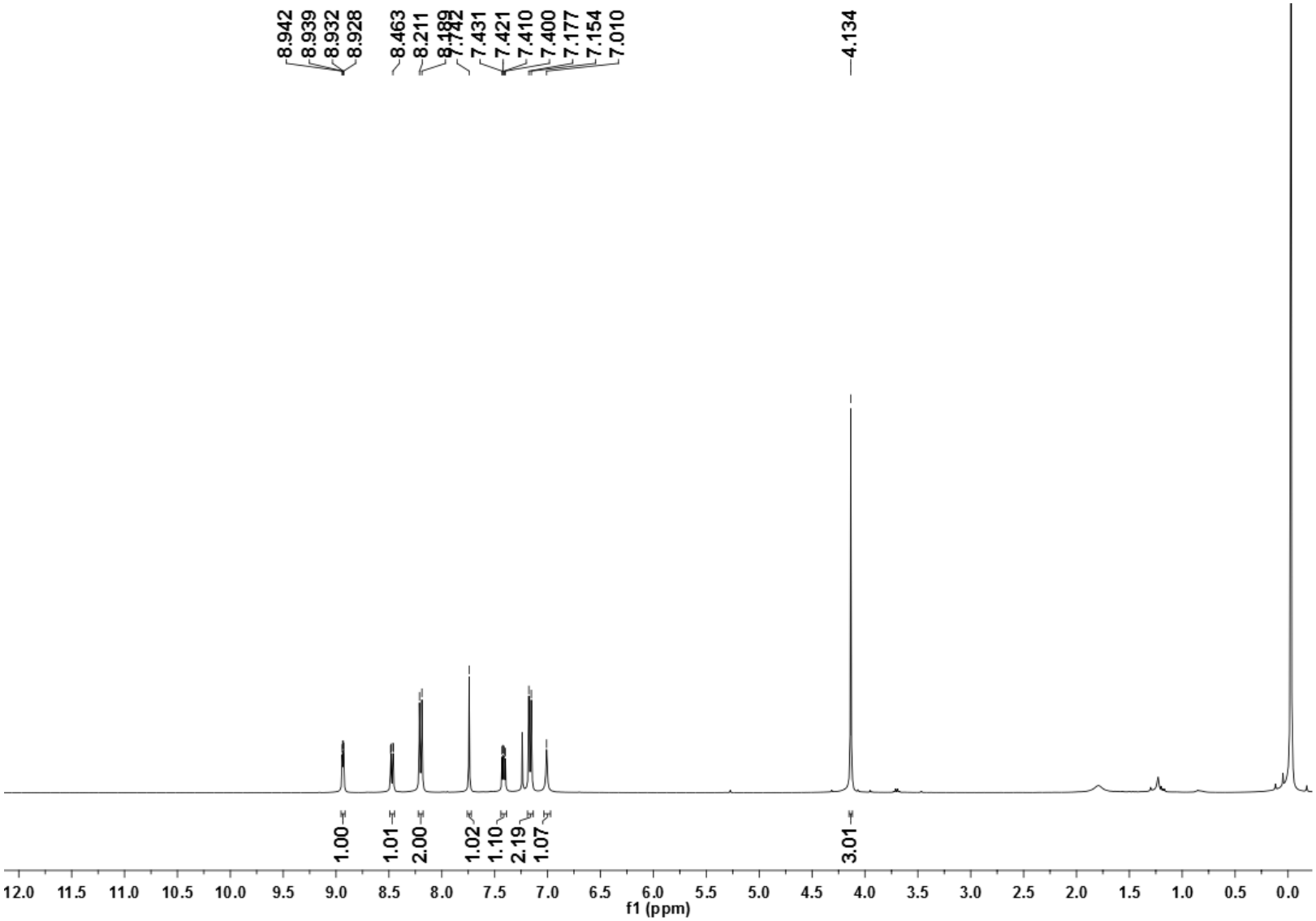


Figure S13. ^{1}H NMR spectrum in $CDCl_3$ of compound **4f**.

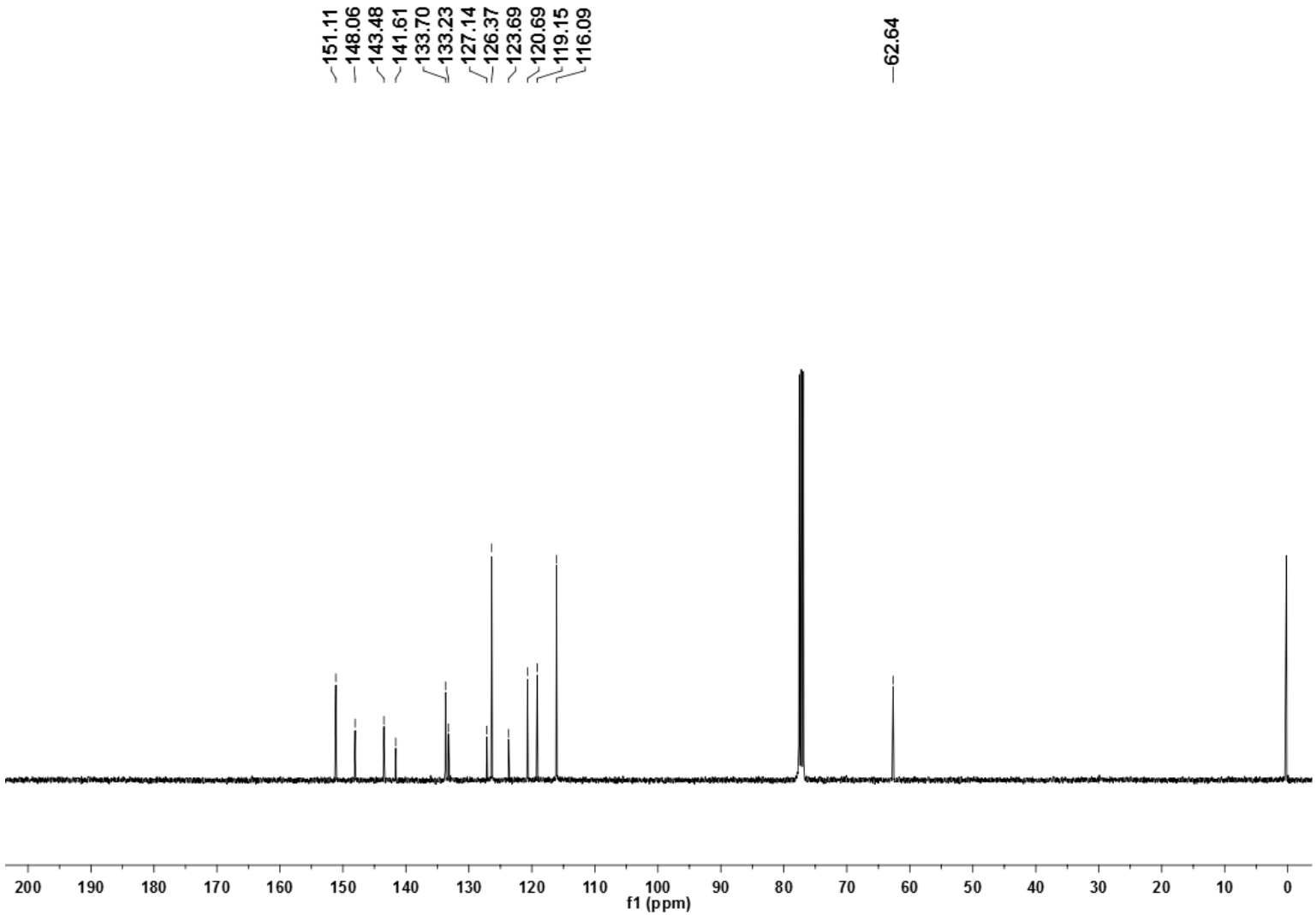


Figure S14. ^{13}C NMR spectrum in $CDCl_3$ of compound **4f**.

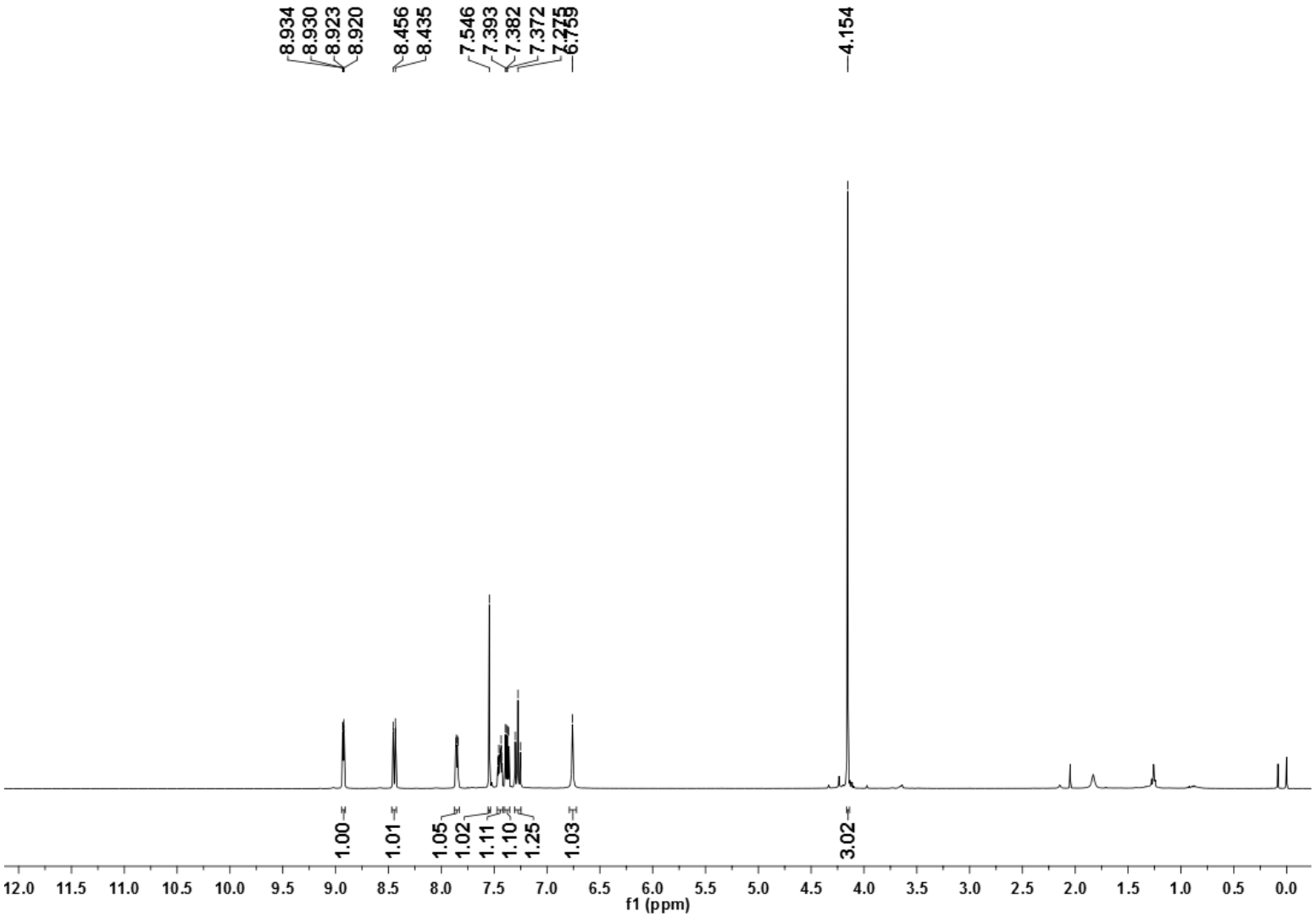


Figure S15. ^{1}H NMR spectrum in $CDCl_3$ of compound **4g**.

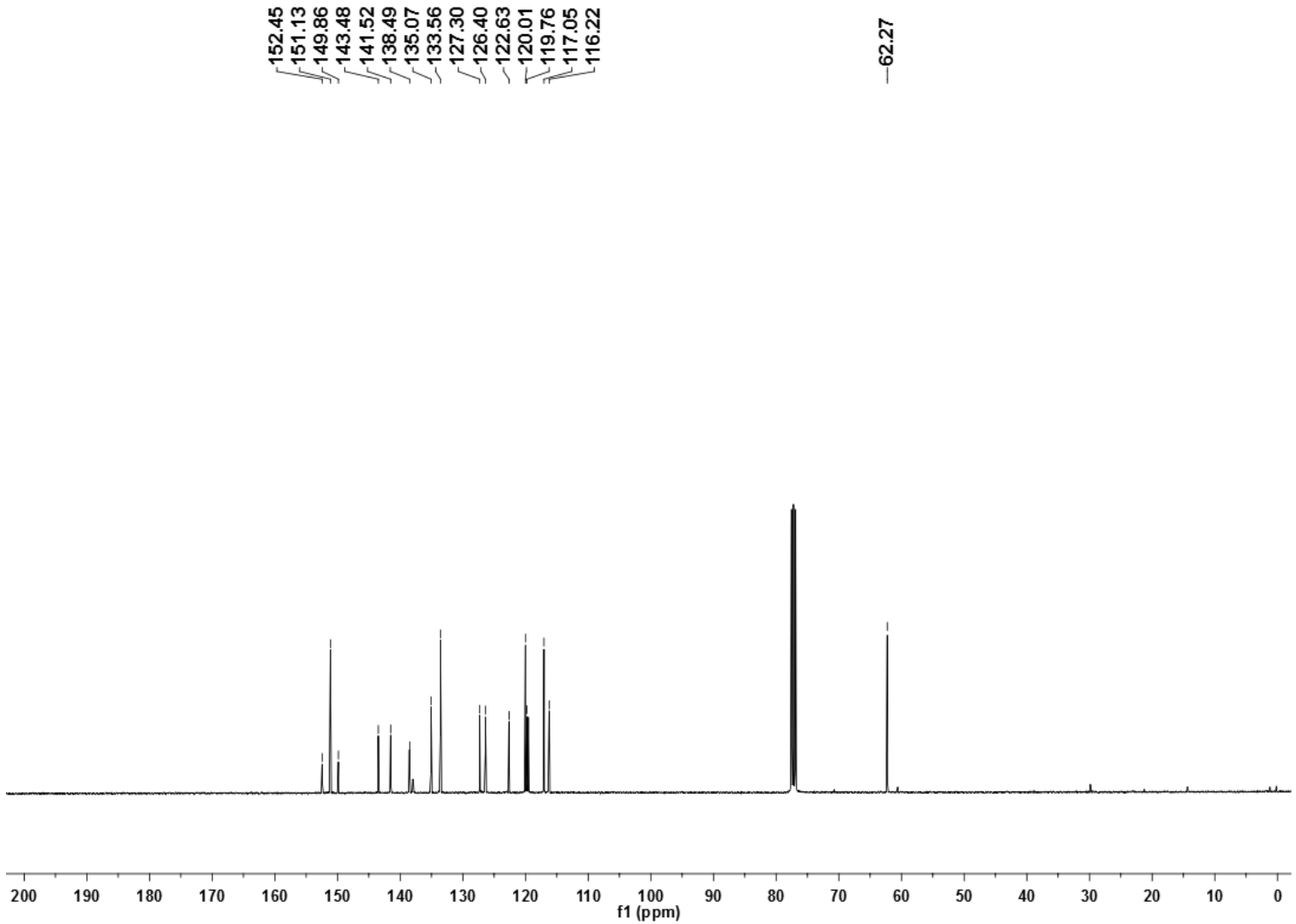


Figure S16. ^{13}C NMR spectrum in $CDCl_3$ of compound **4g**.

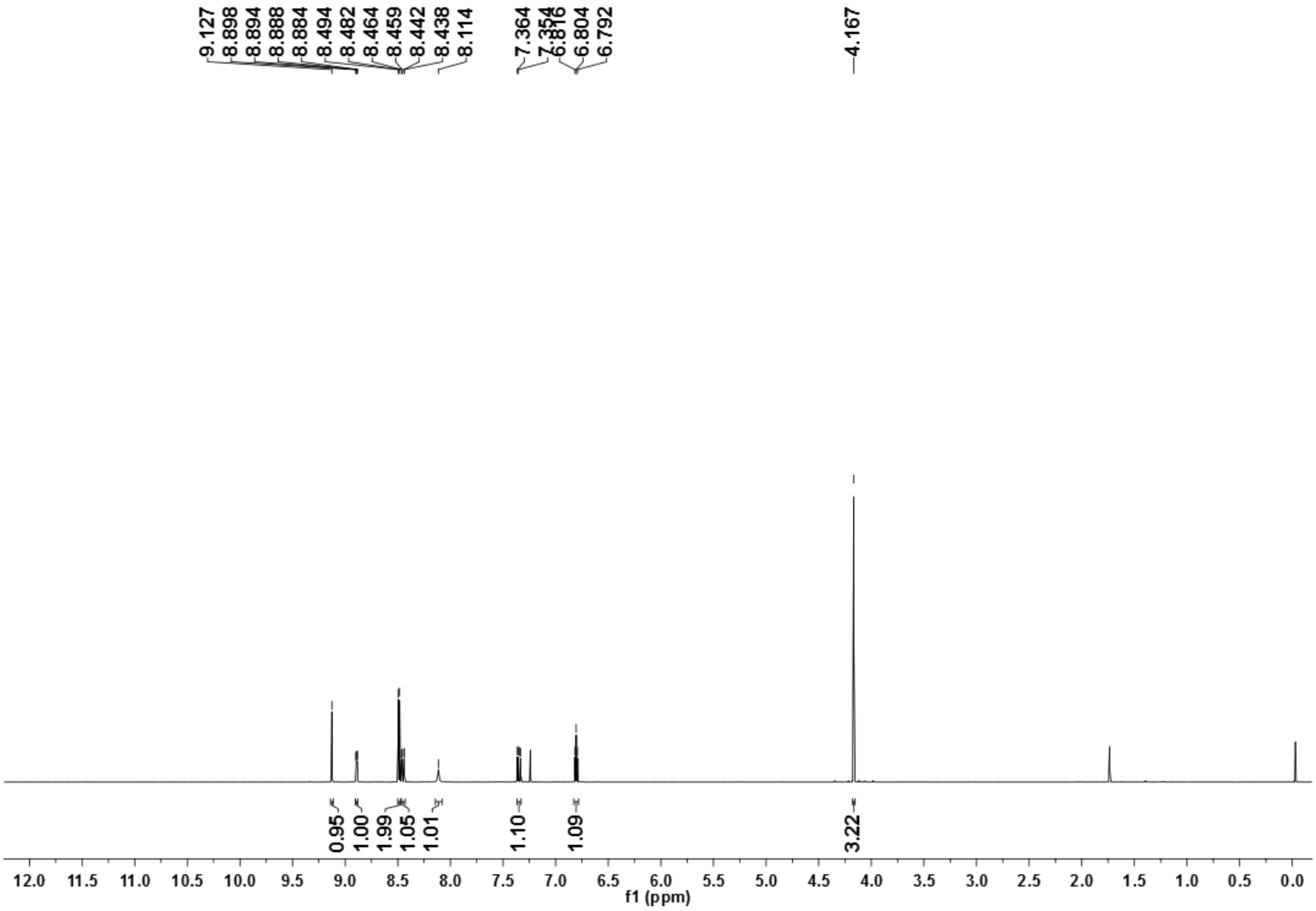


Figure S17. ^{1}H NMR spectrum in $CDCl_3$ of compound **4h**.

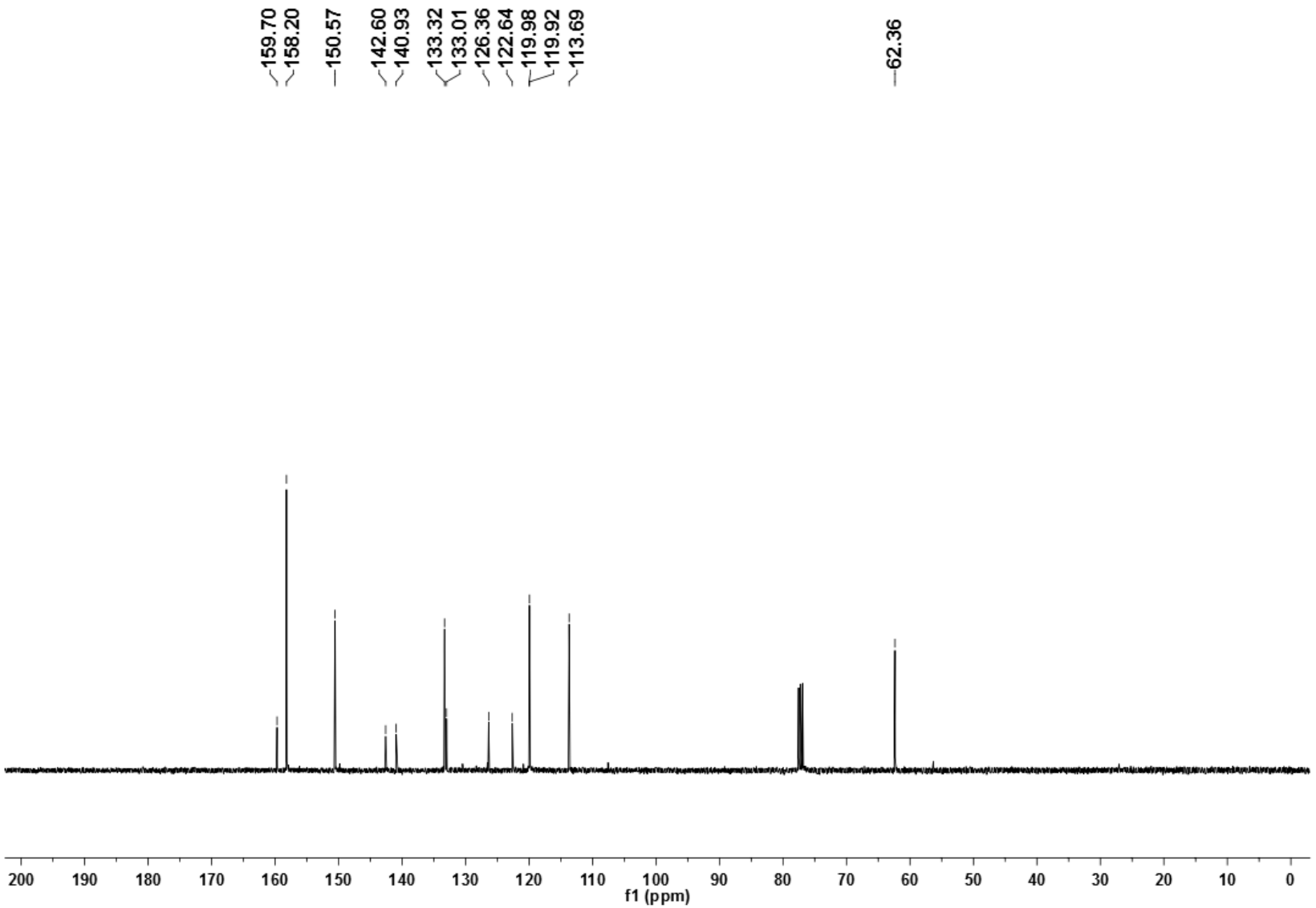


Figure S18. ^{13}C NMR spectrum in $CDCl_3$ of compound **4h**.

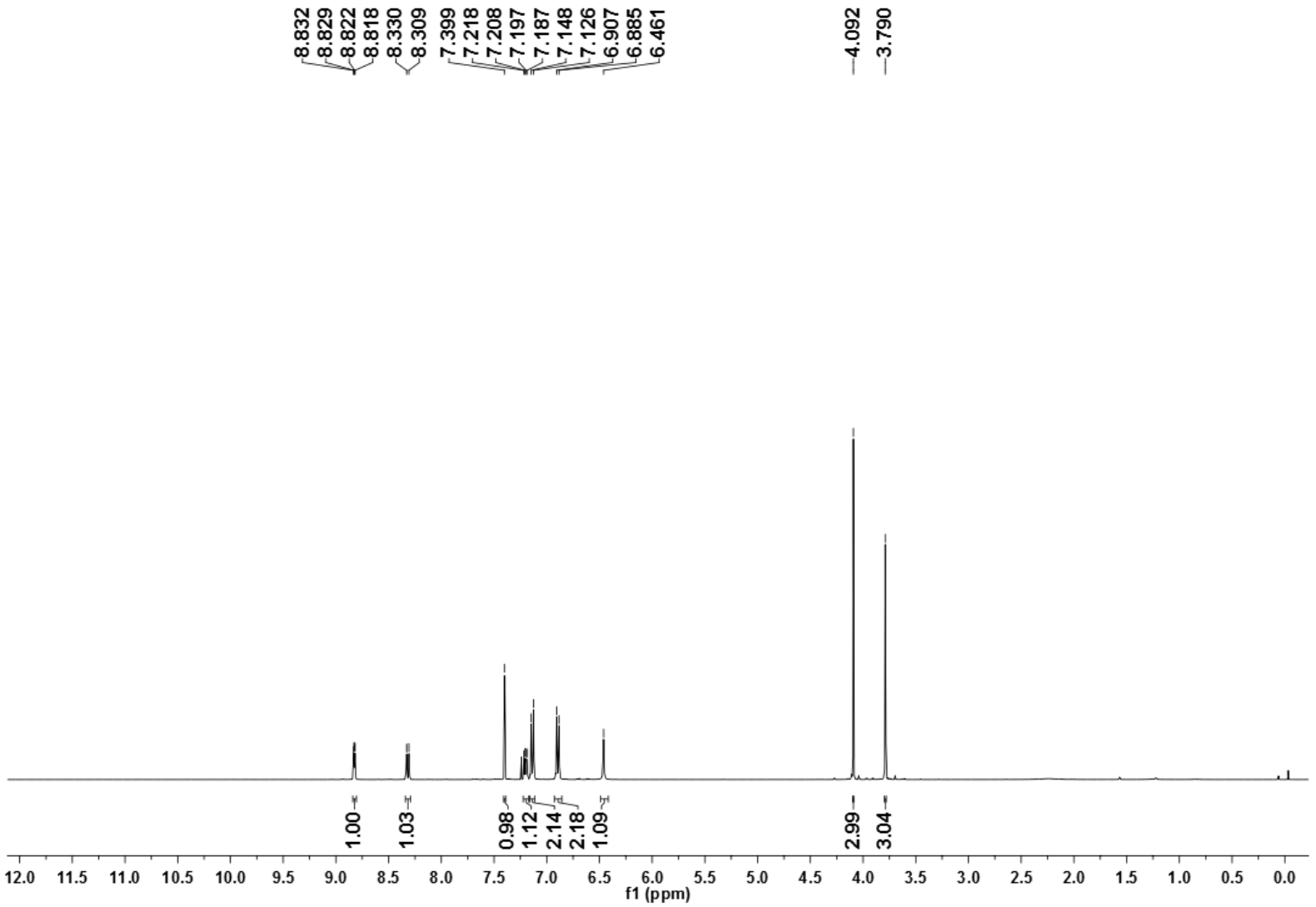


Figure S19. ^{1}H NMR spectrum in $CDCl_3$ of compound **4i**.

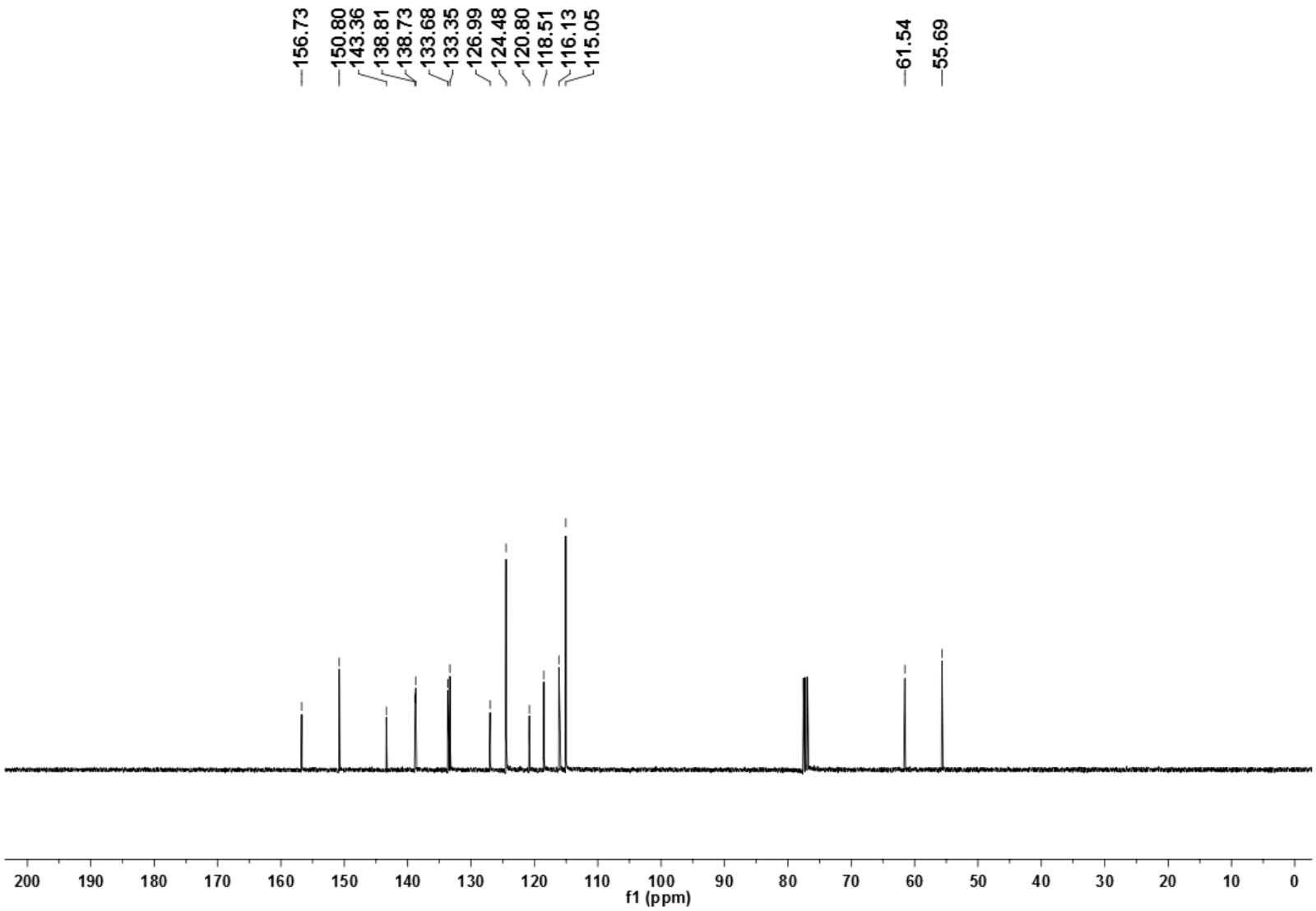


Figure S20. ^{13}C NMR spectrum in $CDCl_3$ of compound **4i**.

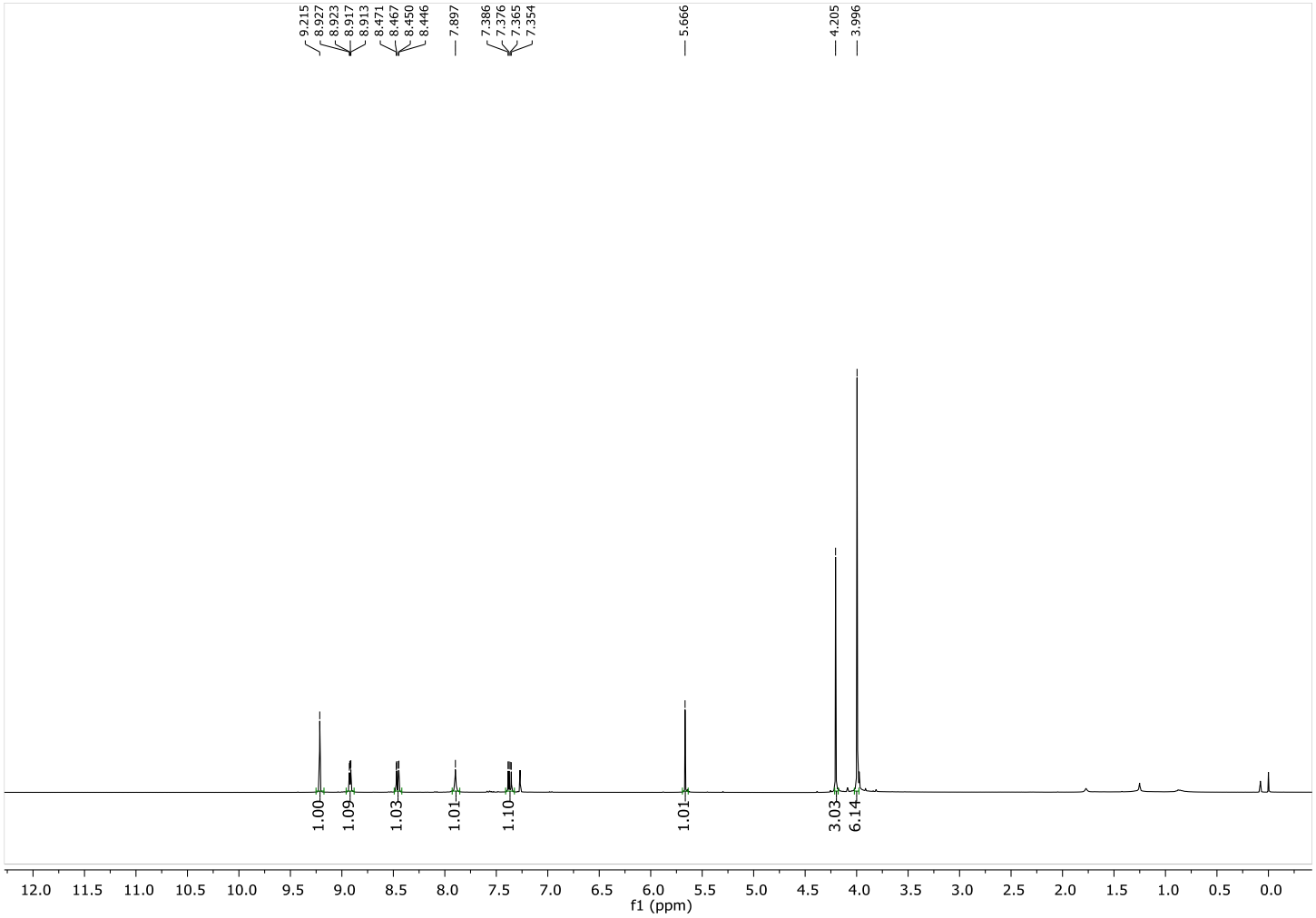


Figure S21. ^{1}H NMR spectrum in $CDCl_3$ of compound **4j**.

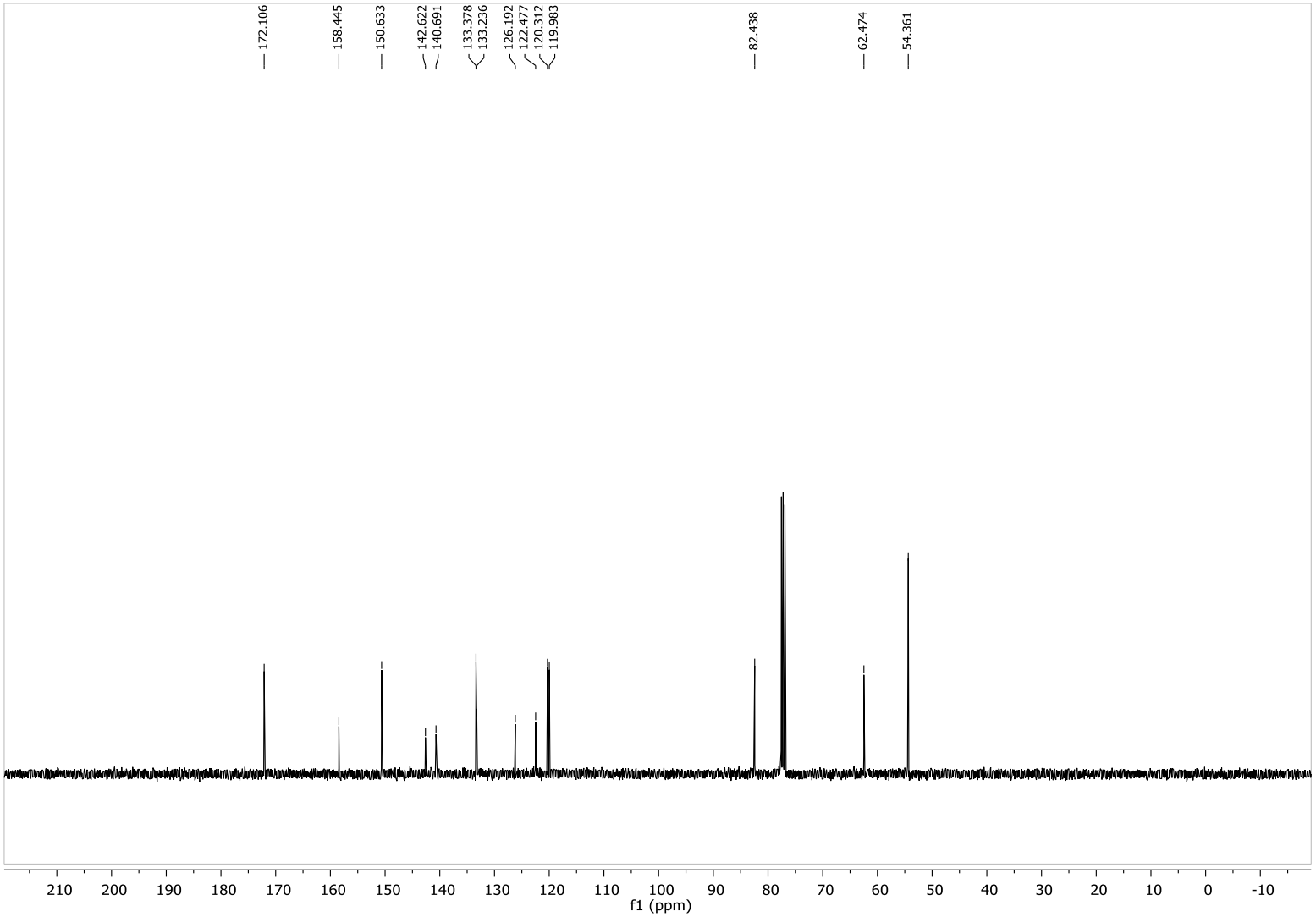


Figure S22. ^{13}C NMR spectrum in $CDCl_3$ of compound **4j**.

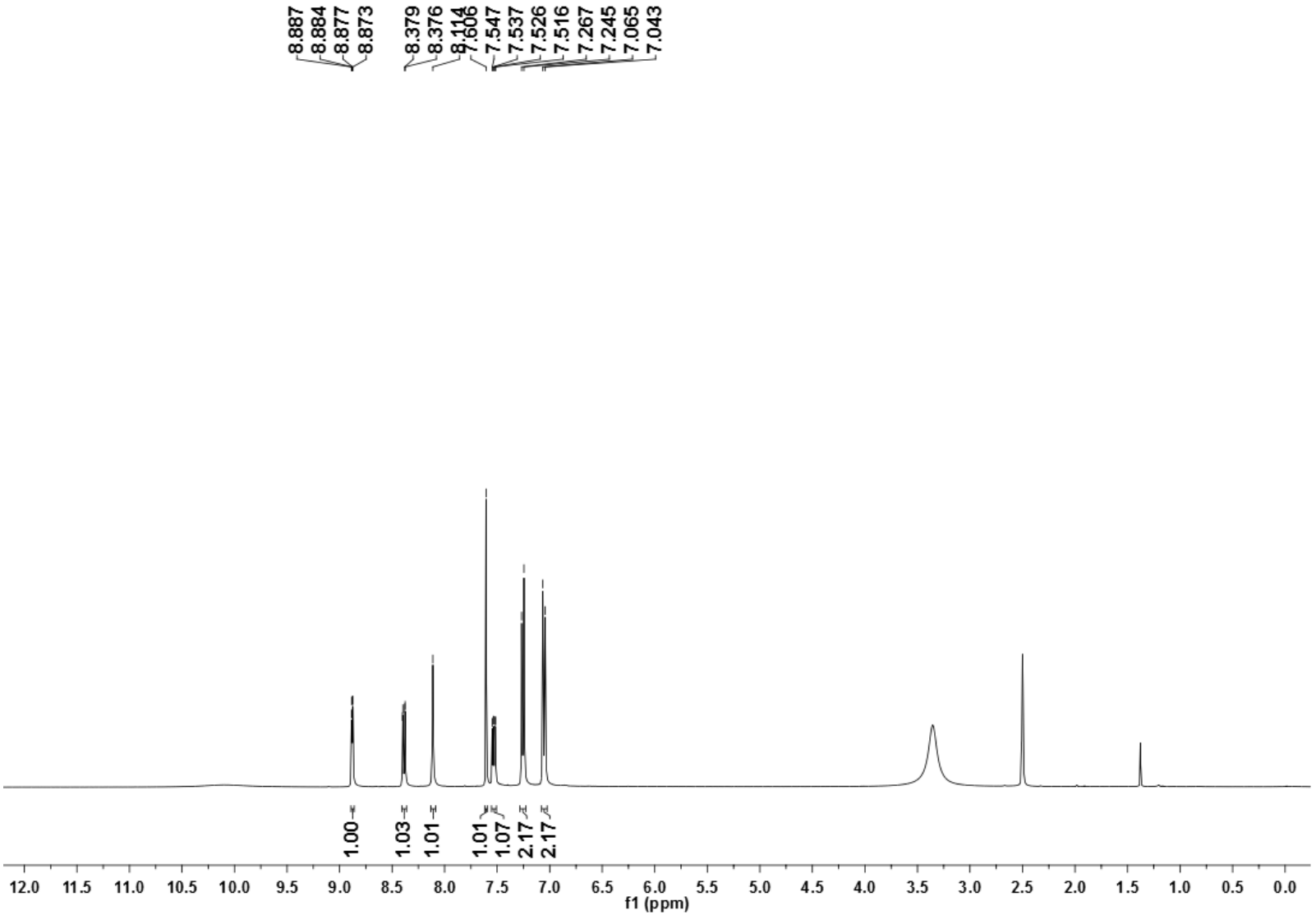


Figure S23. ^{1}H NMR spectrum in DMSO-d_6 of compound **5a**.

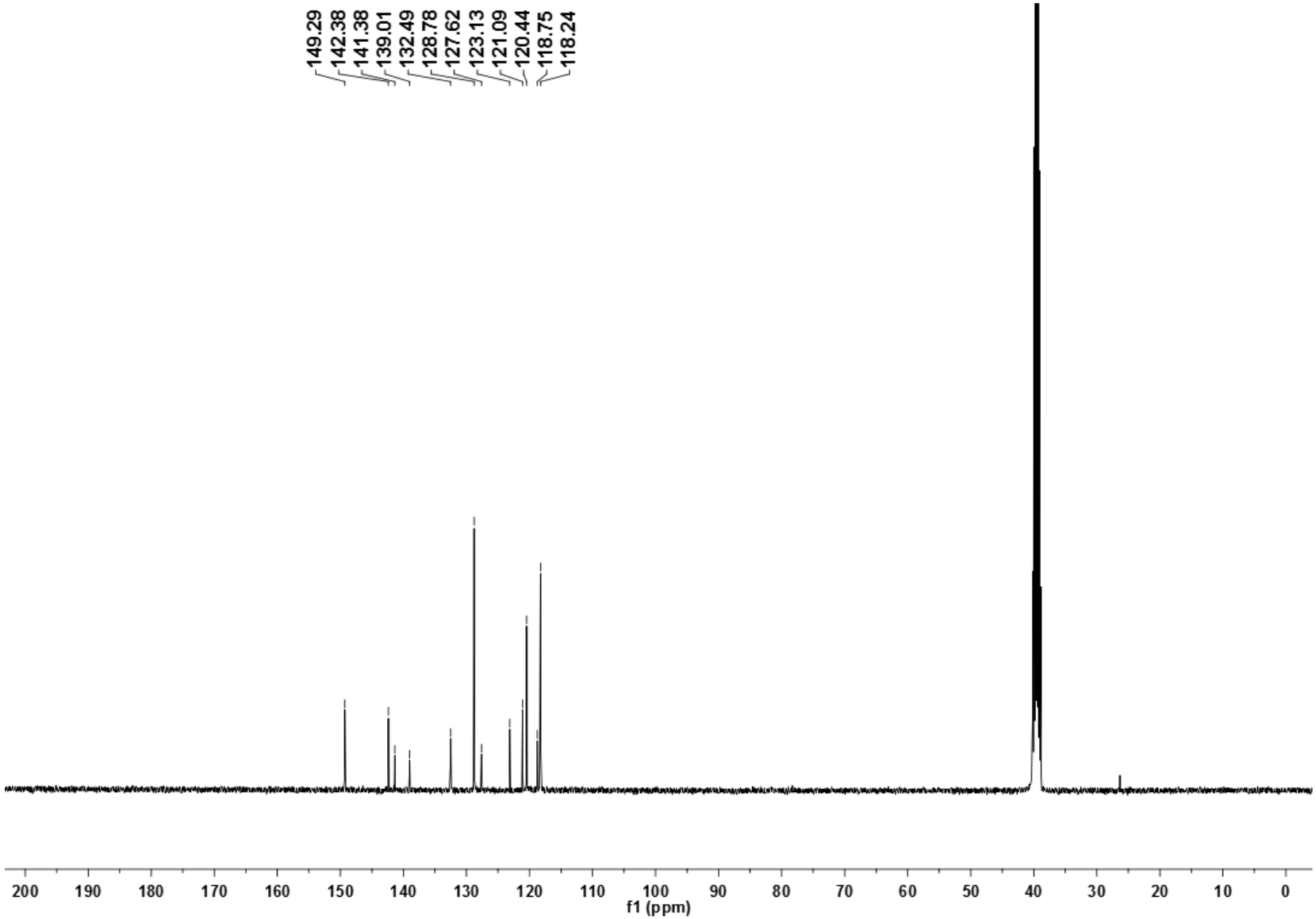


Figure S24. ^{13}C NMR spectrum in DMSO-d_6 of compound **5a**.

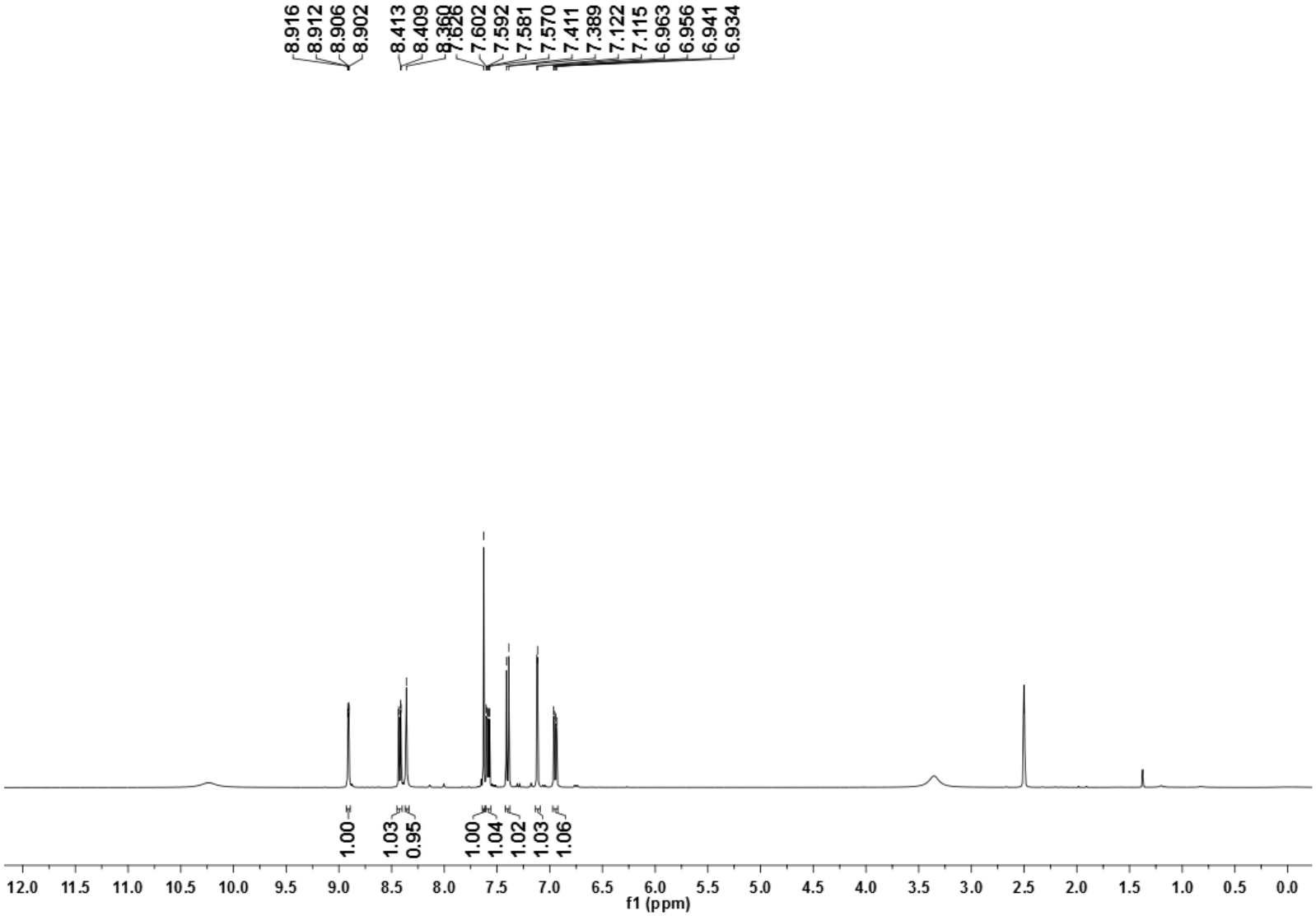


Figure S25. ^{1}H NMR spectrum in DMSO-d_6 of compound **5b**.

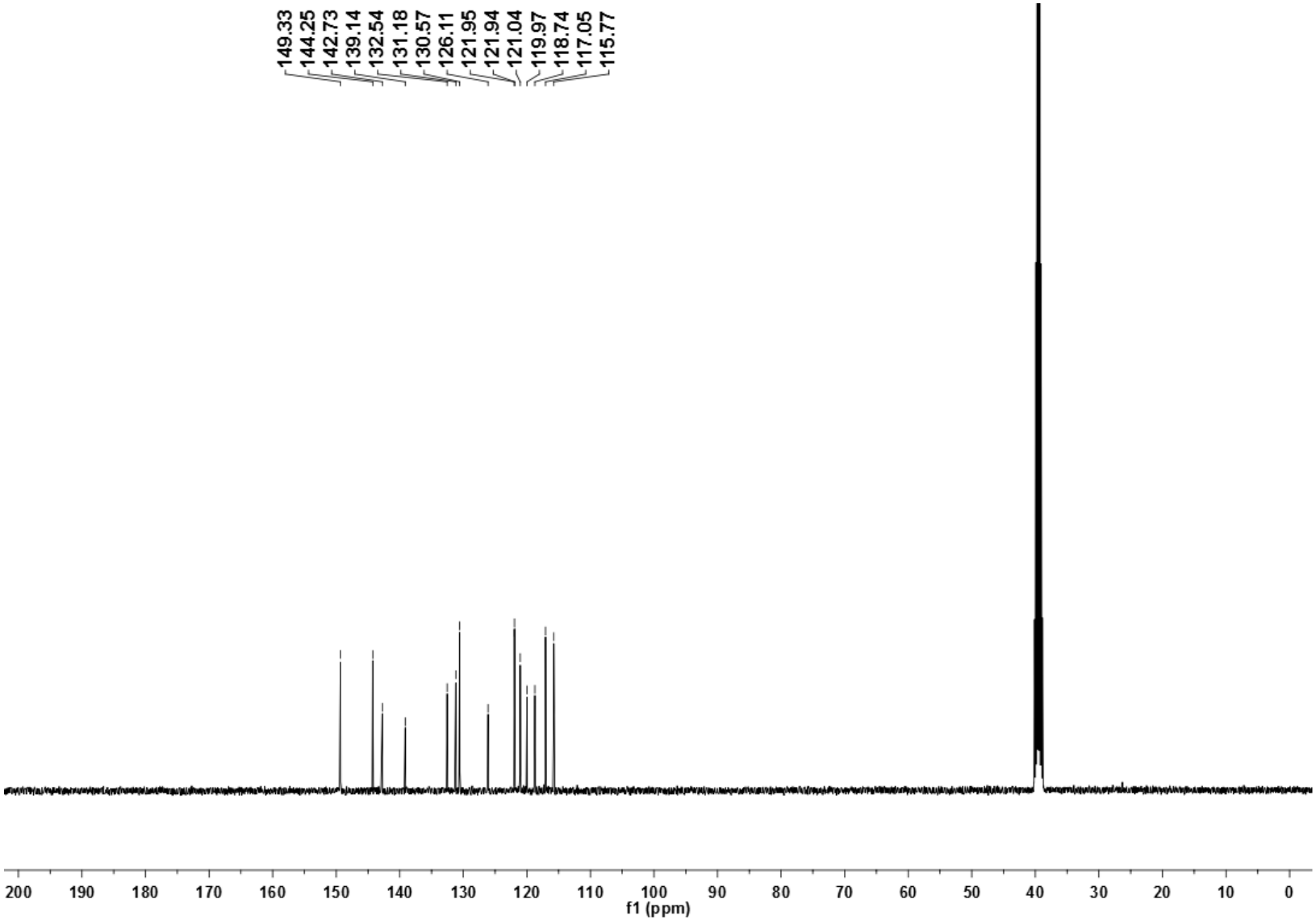


Figure S26. ^{13}C NMR spectrum in DMSO-d_6 of compound **5b**.

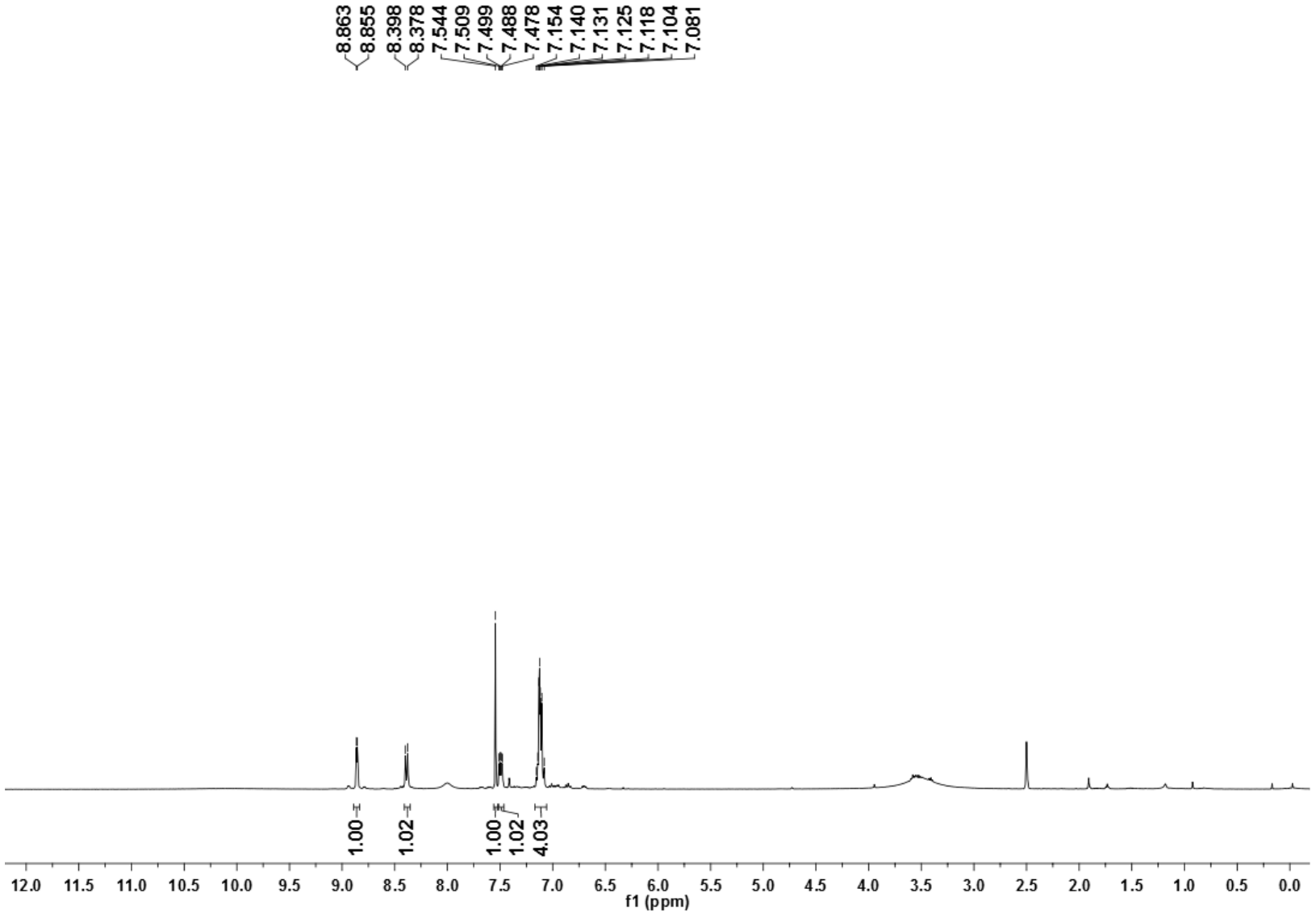


Figure S27. ^{1}H NMR spectrum in DMSO-d_6 of compound **5c**.

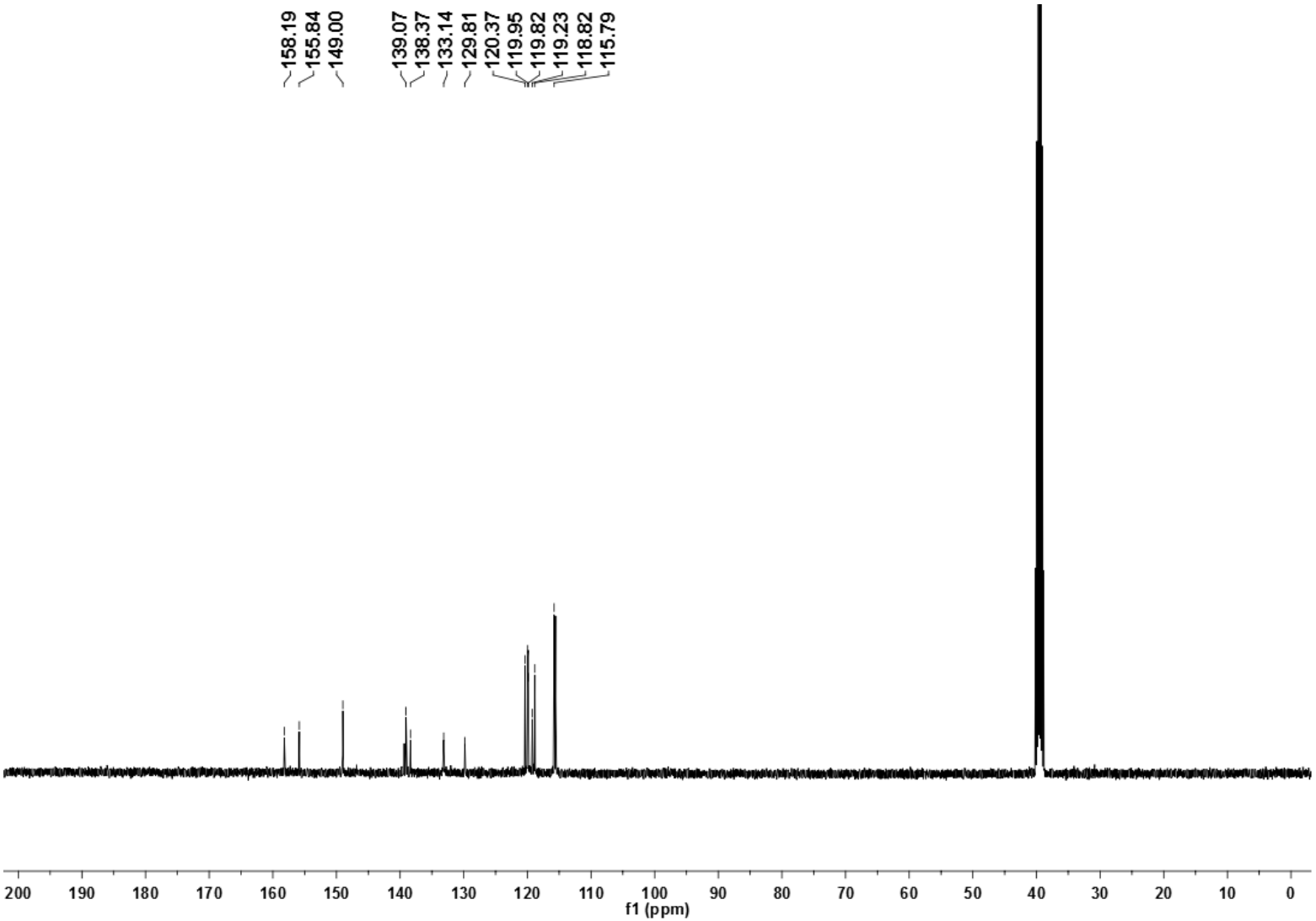


Figure S28. ^{13}C NMR spectrum in DMSO-d_6 of compound **5c**.

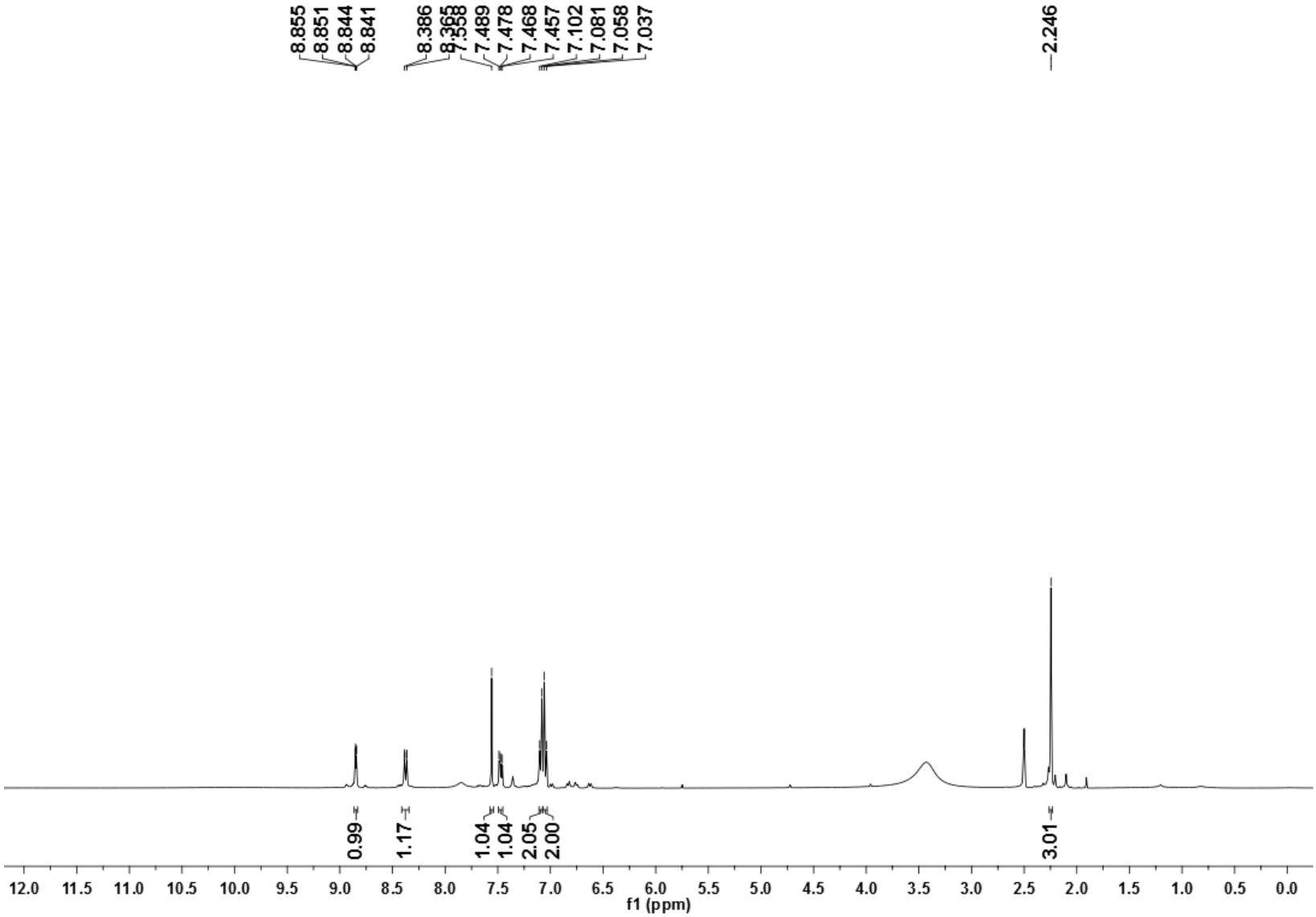


Figure S29. ^{1}H NMR spectrum in DMSO-d_6 of compound **5d**.

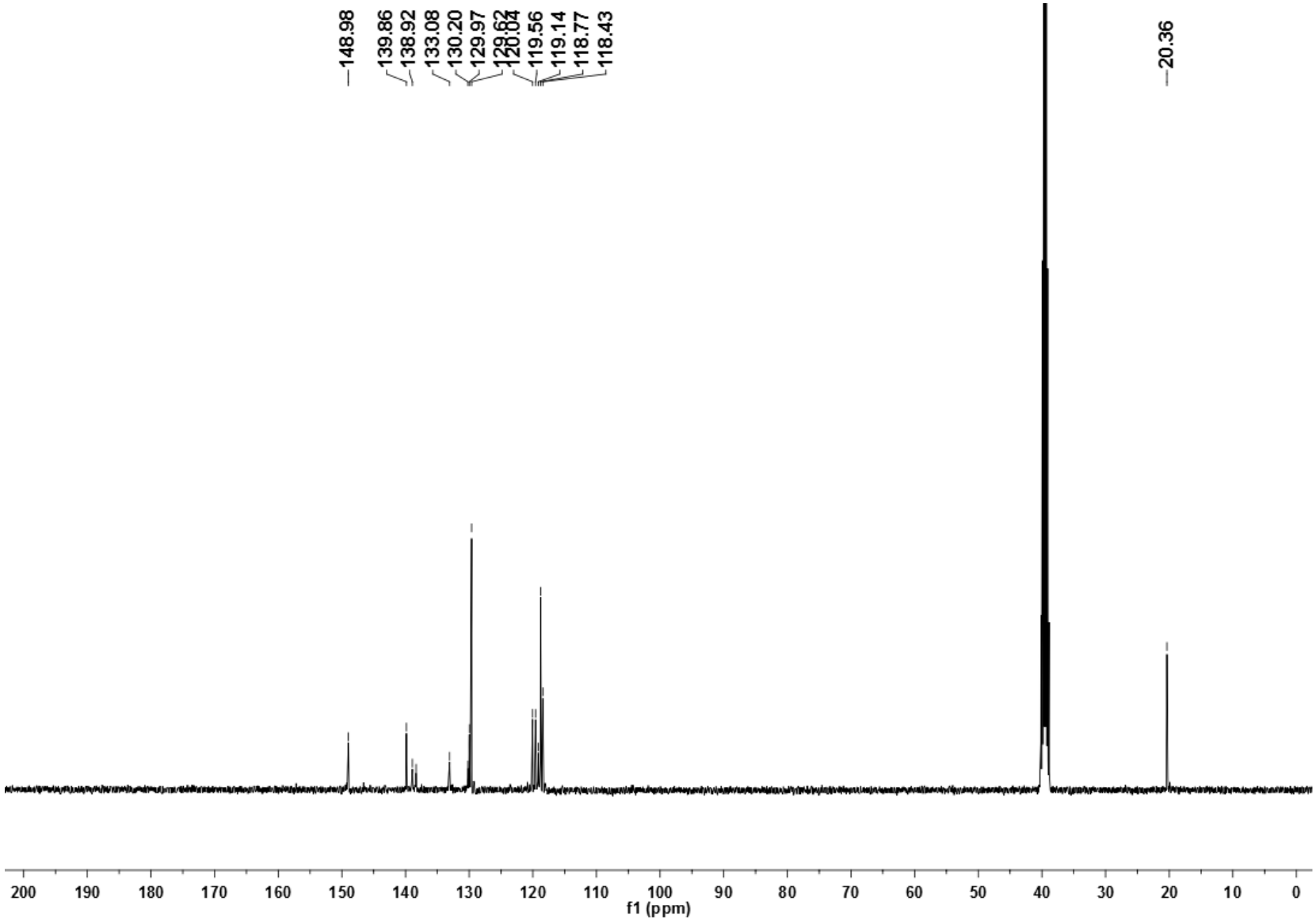


Figure S30. ^{13}C NMR spectrum in DMSO-d_6 of compound **5d**.

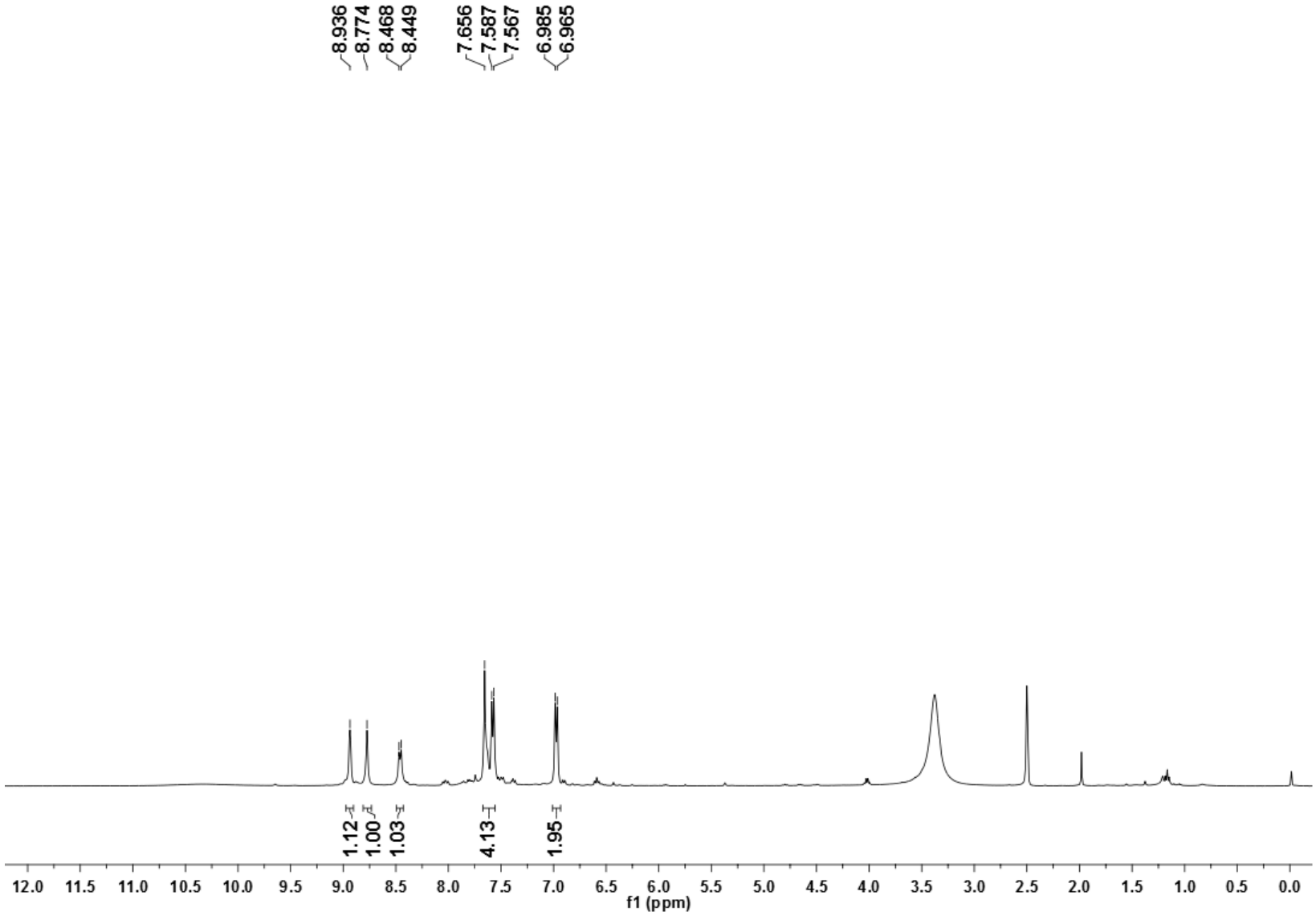


Figure S31. ^{1}H NMR spectrum in DMSO-d_6 of compound **5e**.

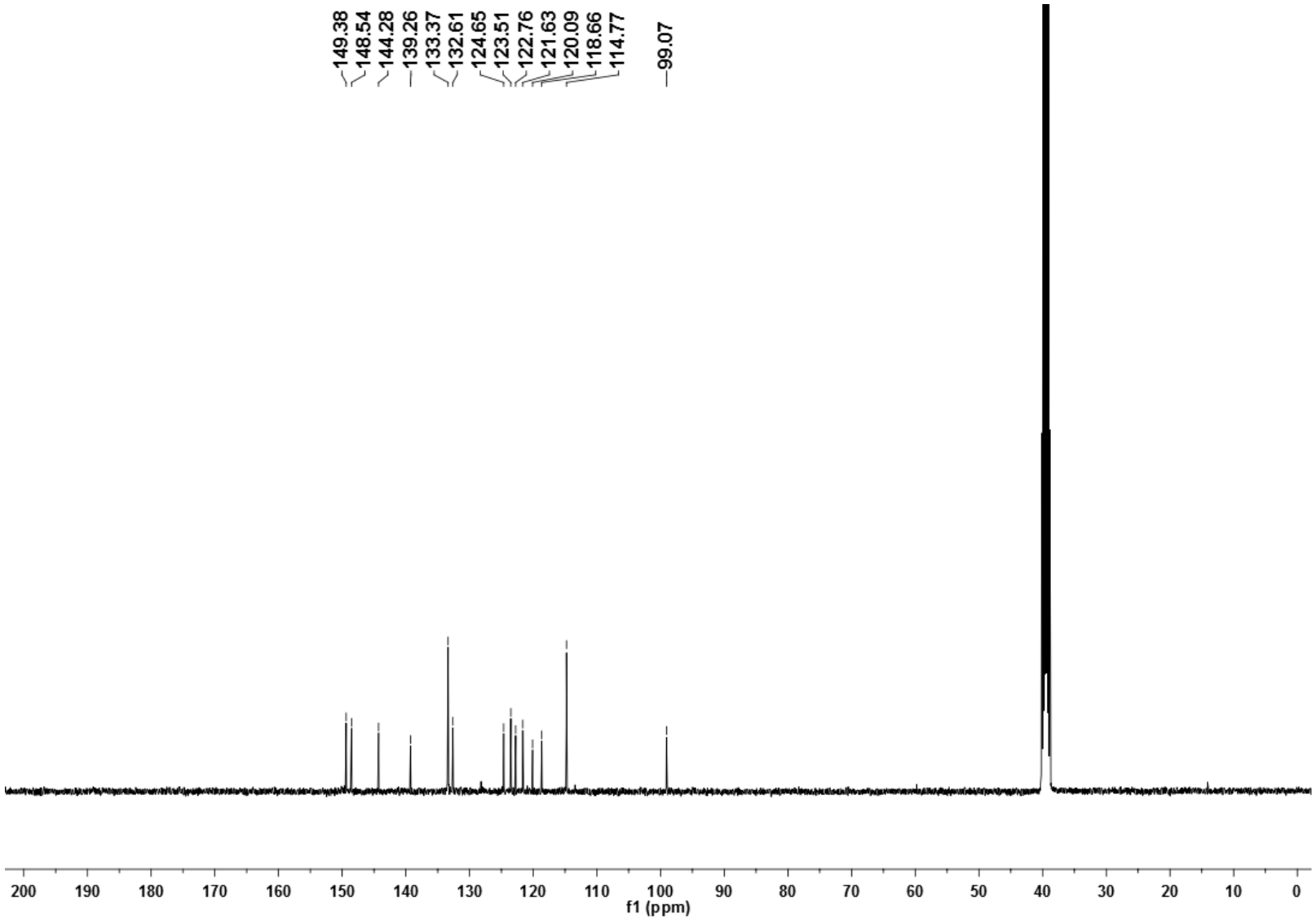


Figure S32. ^{13}C NMR spectrum in DMSO-d_6 of compound **5e**.

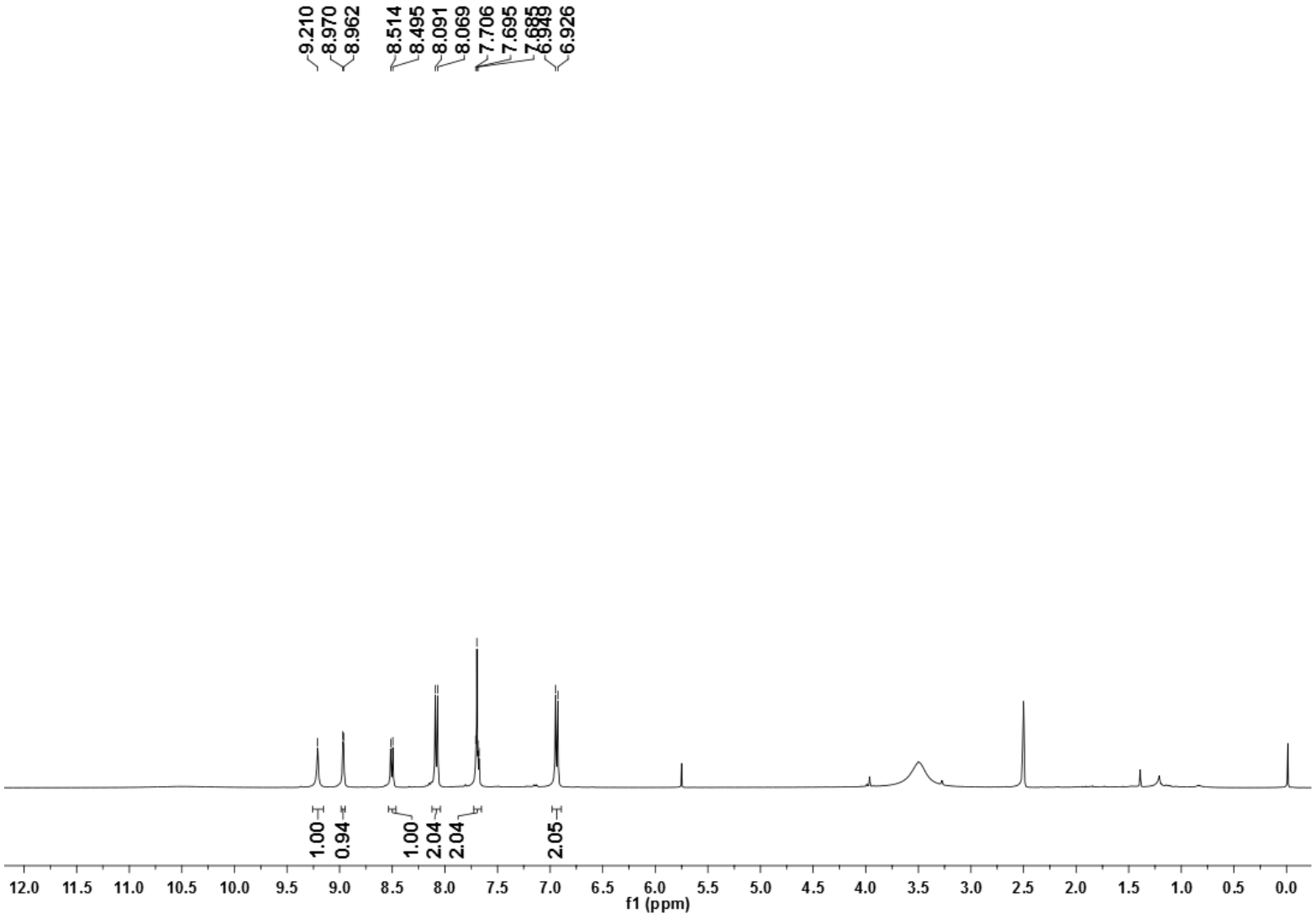


Figure S33. ^{1}H NMR spectrum in DMSO-d_6 of compound **5f**.

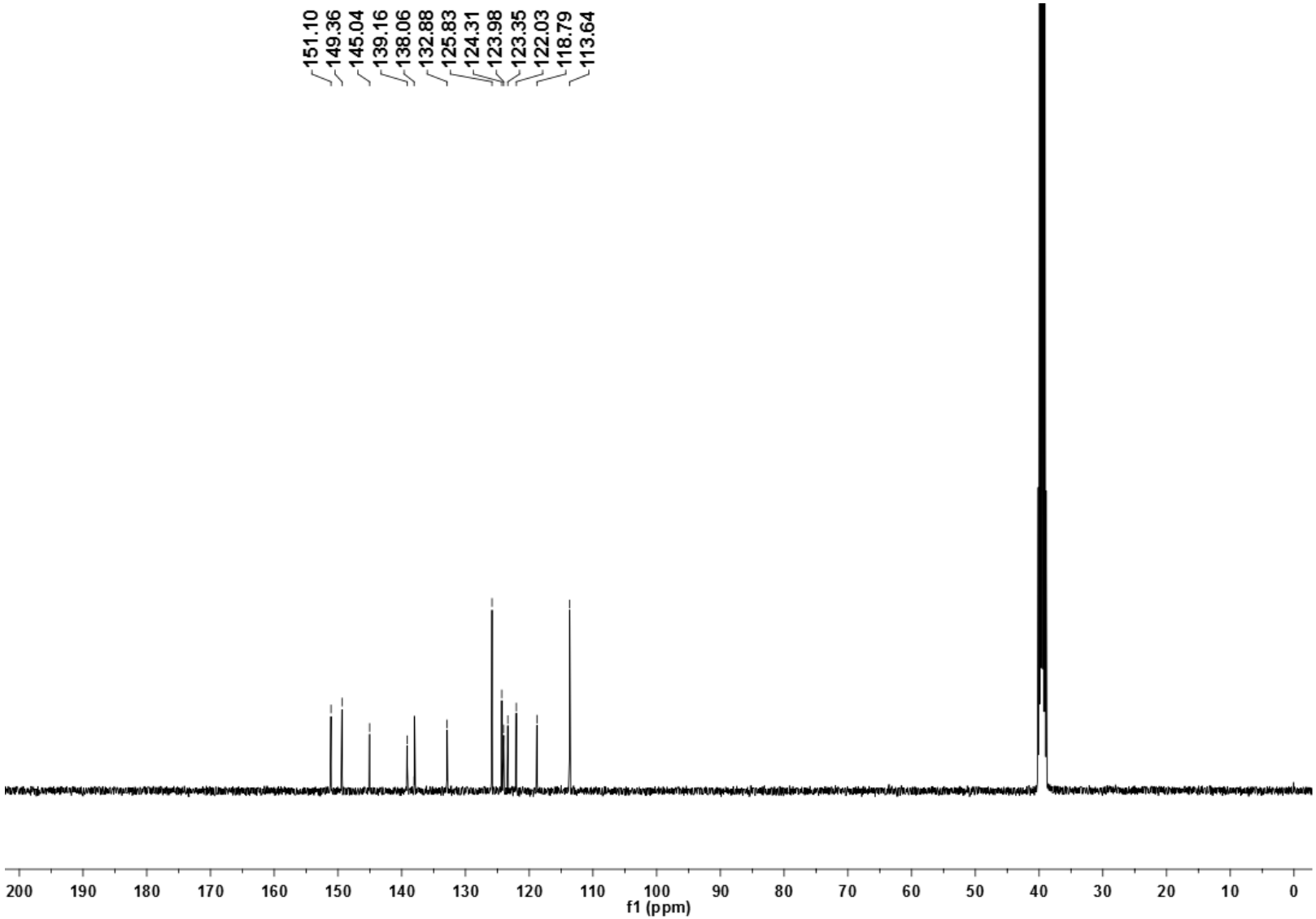


Figure S34. ^{13}C NMR spectrum in DMSO-d_6 of compound **5f**.

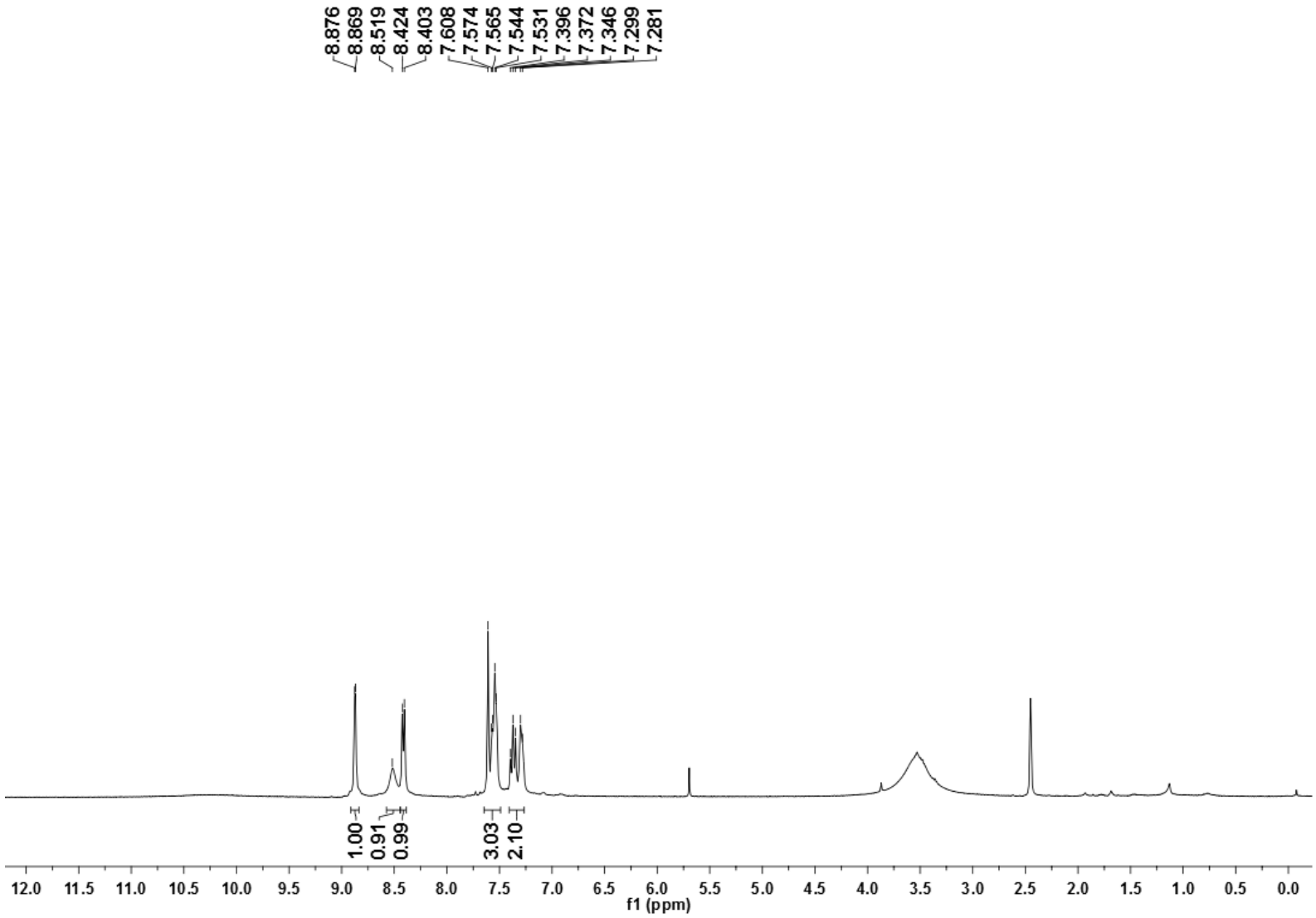


Figure S35. ^{1}H NMR spectrum in DMSO-d_6 of compound **5g**.

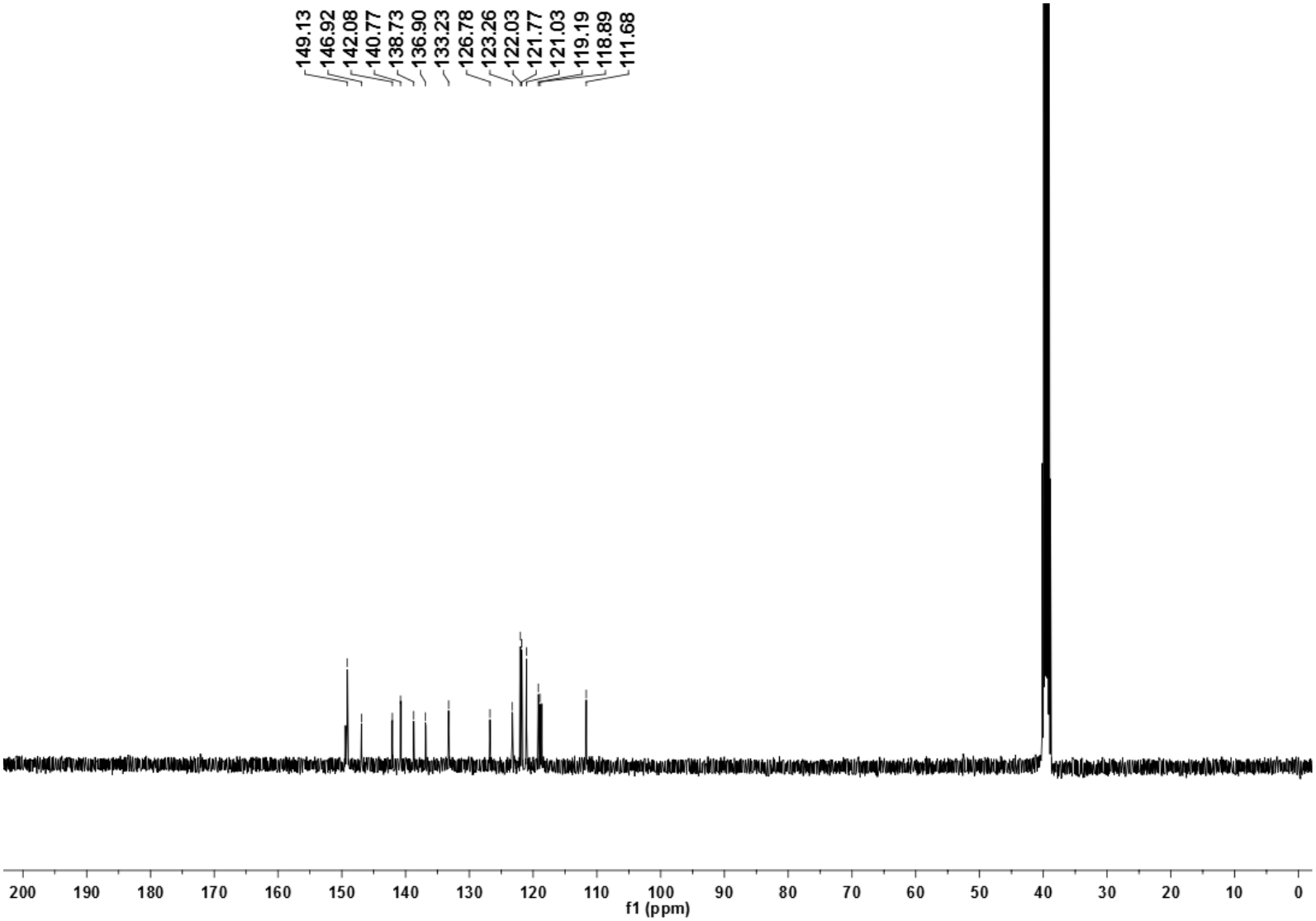


Figure S36. ^{13}C NMR spectrum in DMSO-d_6 of compound **5g**.

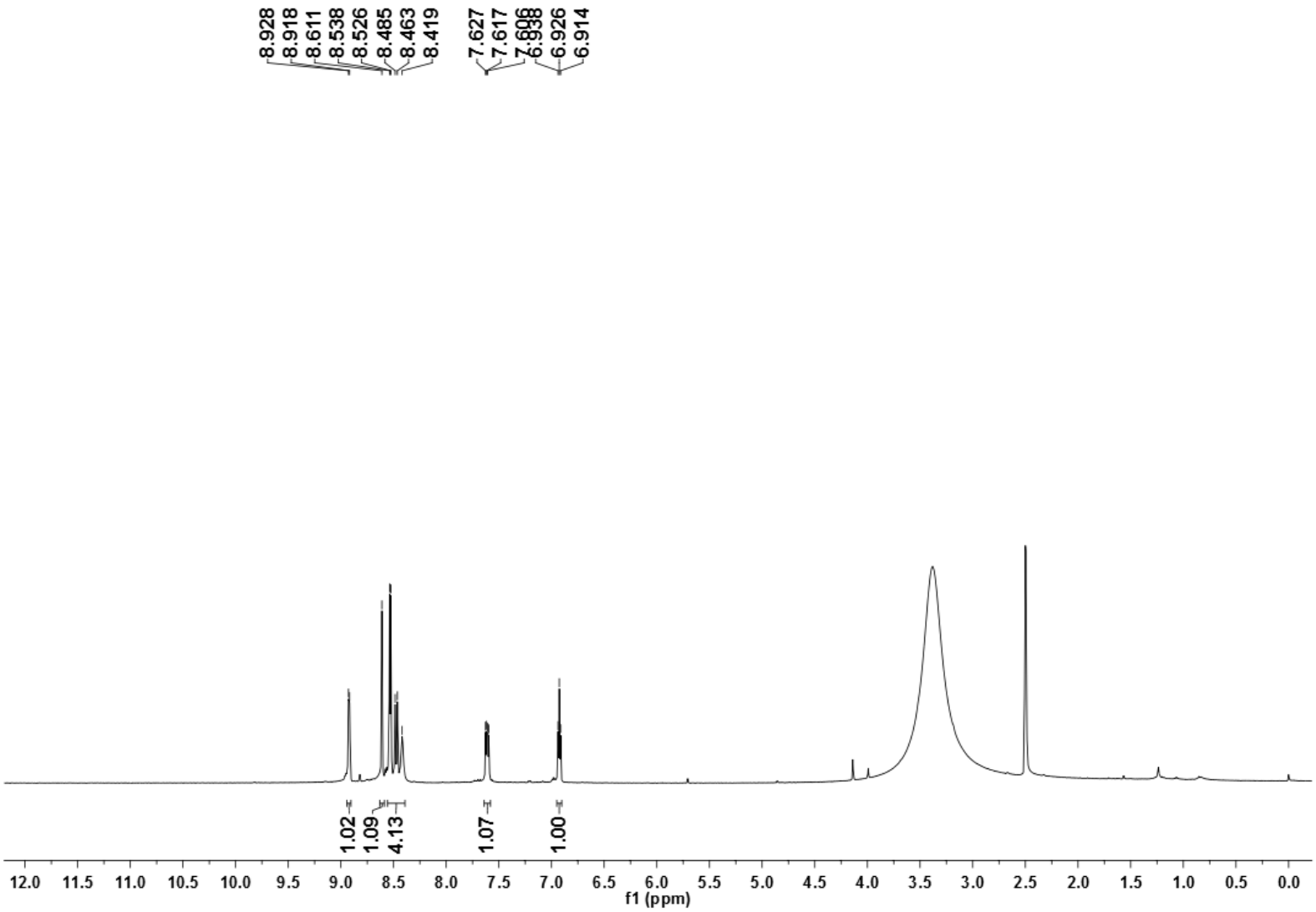
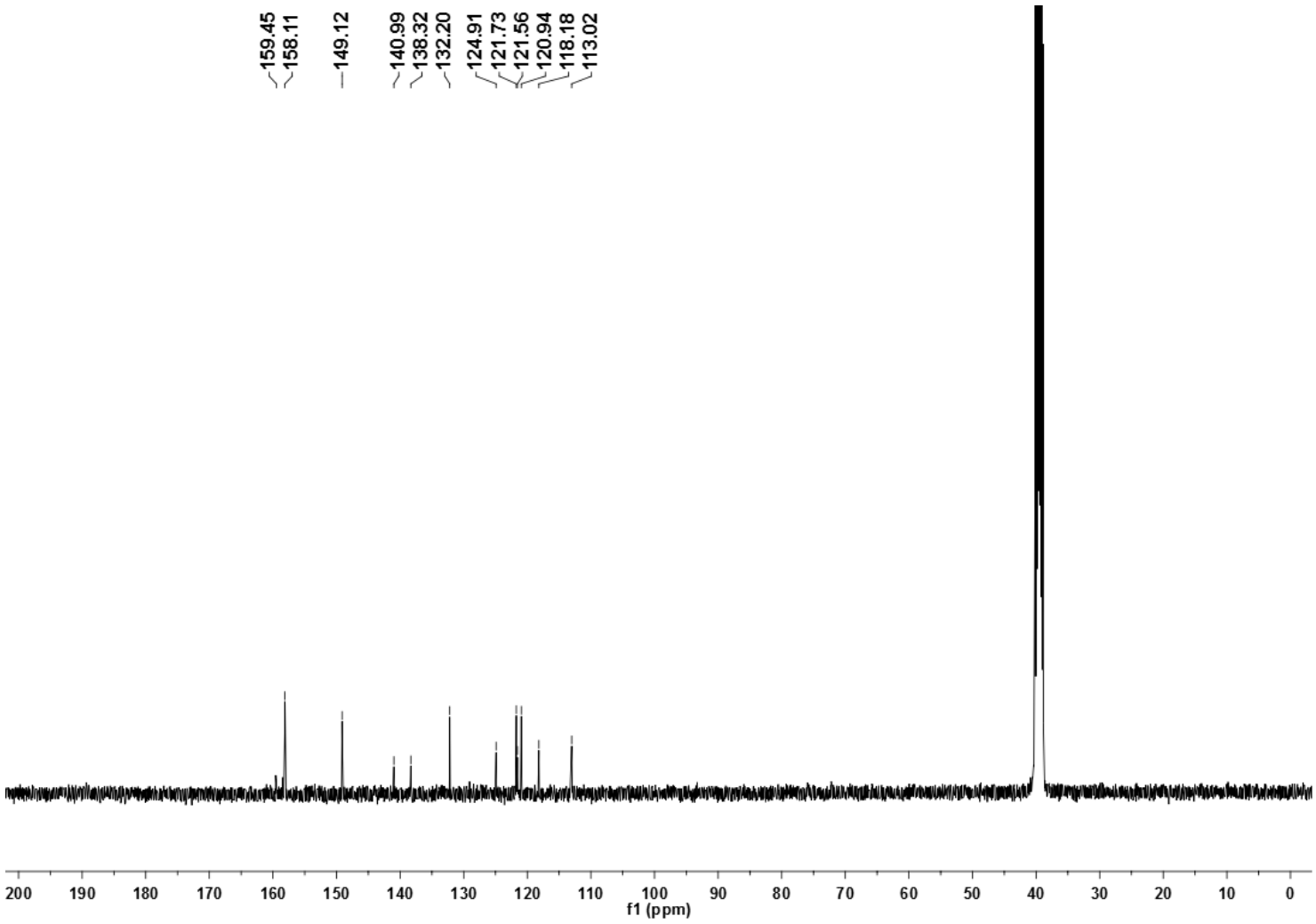


Figure S37. ^{1}H NMR spectrum in DMSO-d_6 of compound **5h**.



FigureS38. ^{13}C NMR spectrum in DMSO-d_6 of compound **5h**.

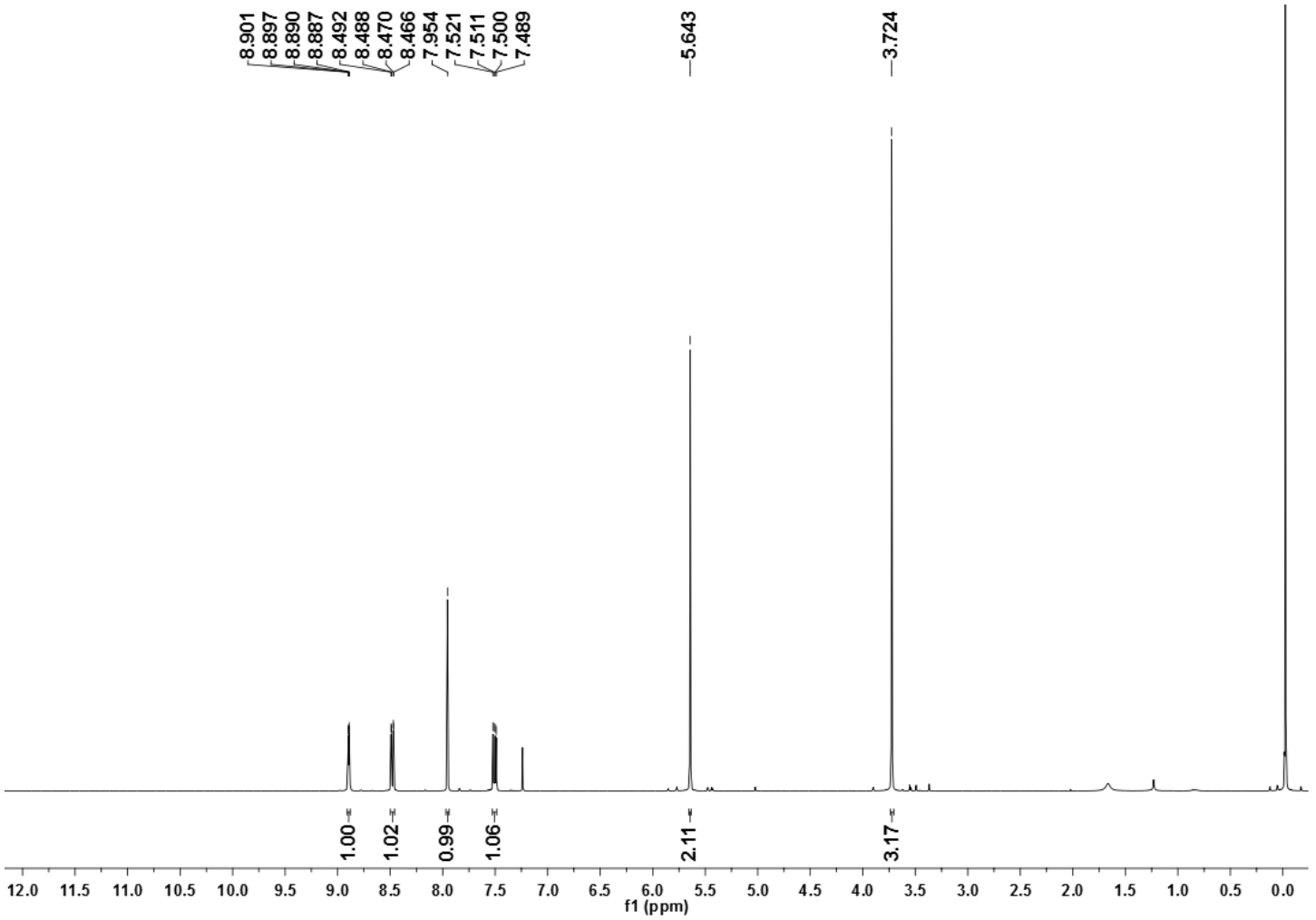


Figure S39. ^{1}H NMR spectrum in $CDCl_3$ of compound **6** (5-chloro-7-iodo-8-methoxymethylyquinoline).

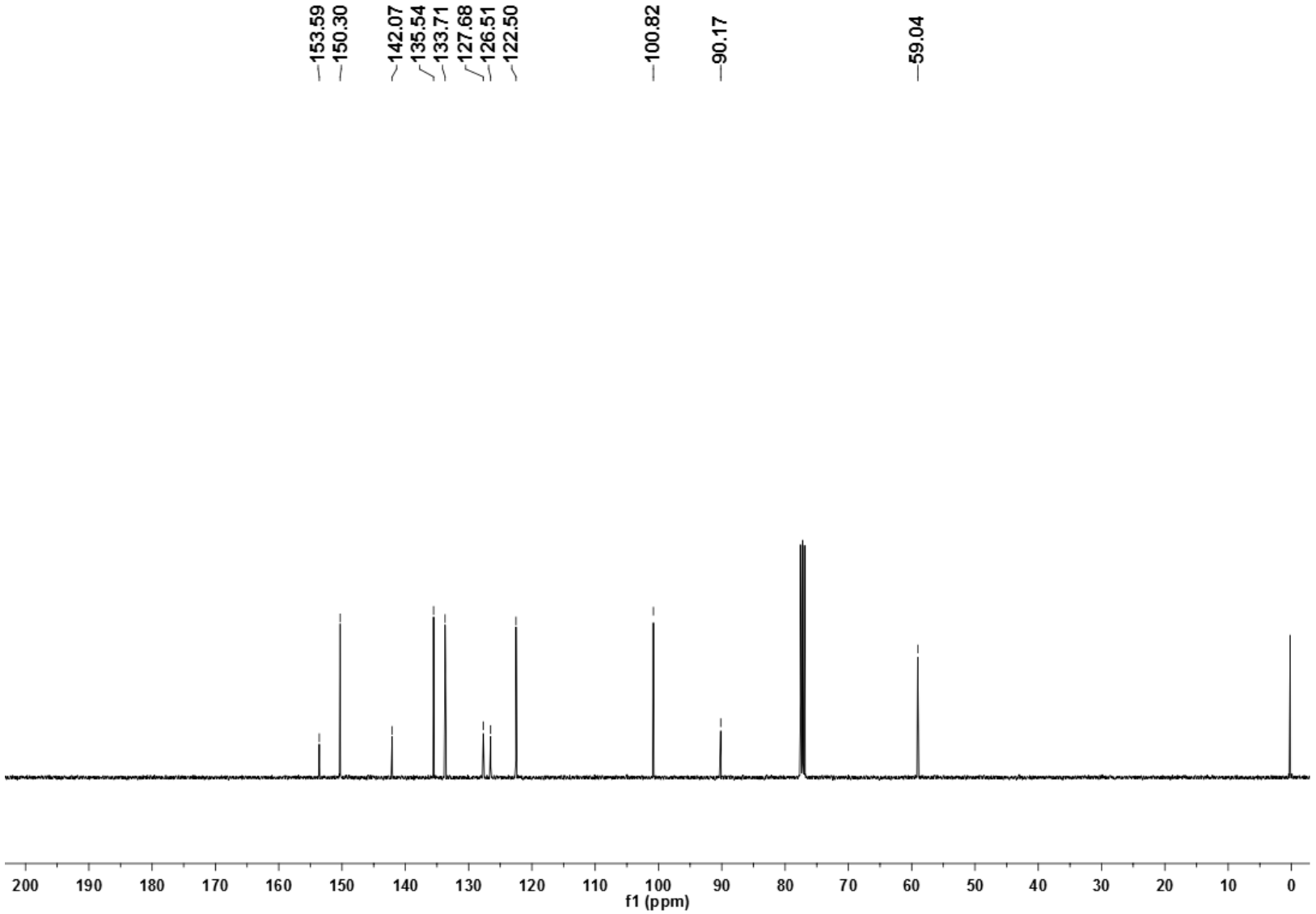


Figure S40. ^{13}C NMR spectrum in $CDCl_3$ of compound **6** (5-chloro-7-iodo-8-methoxymethylquinoline).

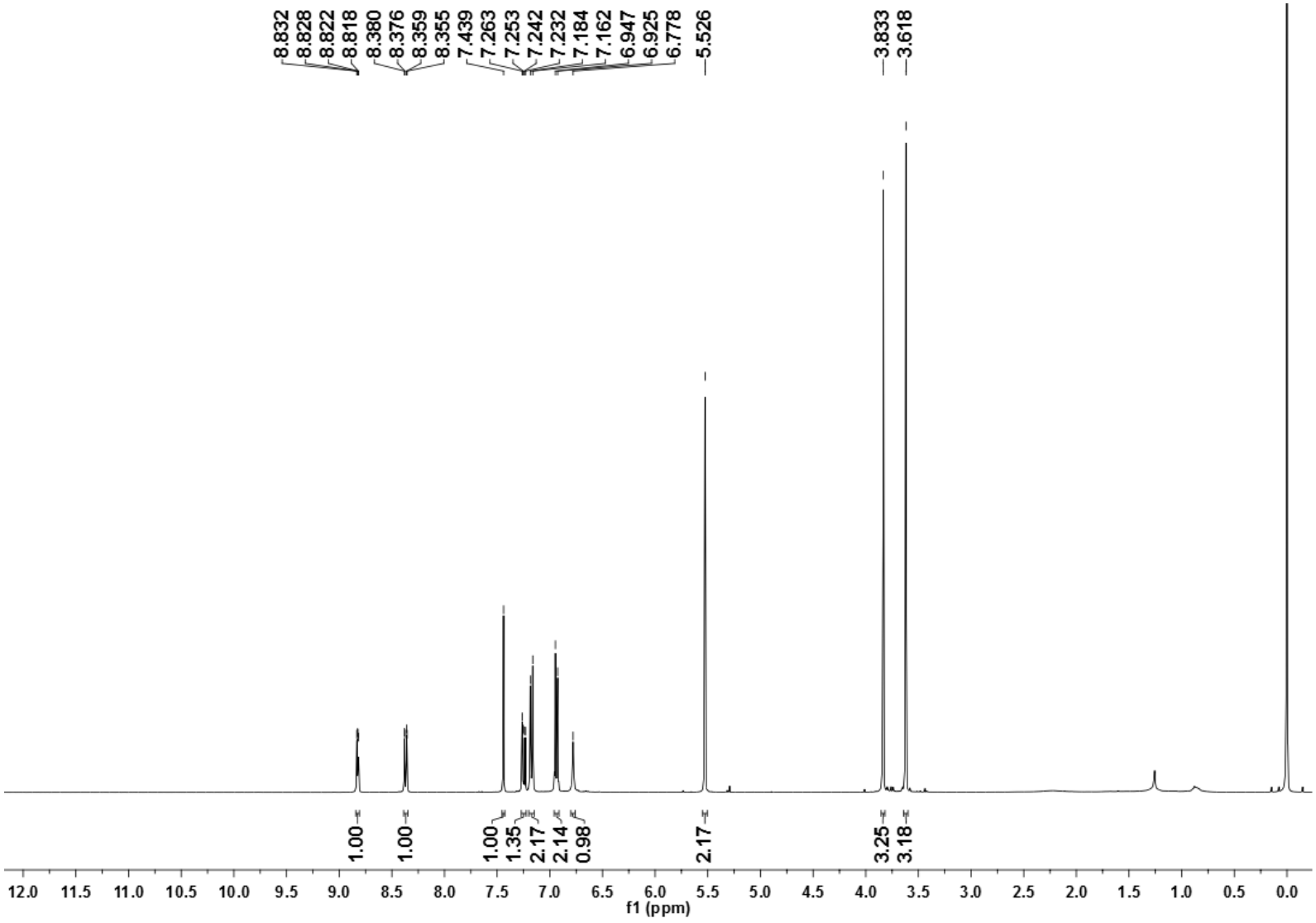


Figure S41. ^{1}H NMR spectrum in $CDCl_3$ of compound **7**.

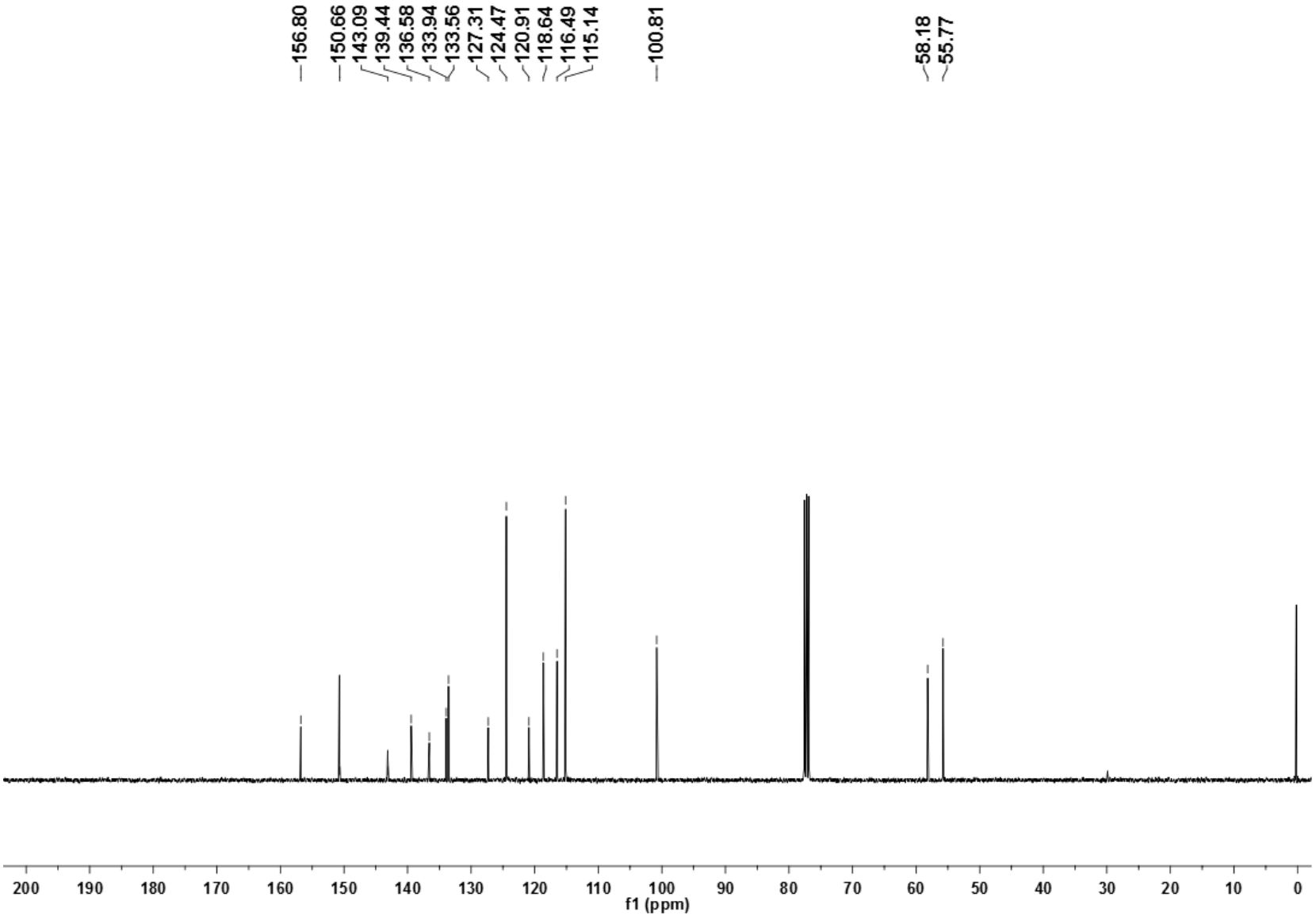


Figure S42. ^{13}C NMR spectrum in $CDCl_3$ of compound **7**.

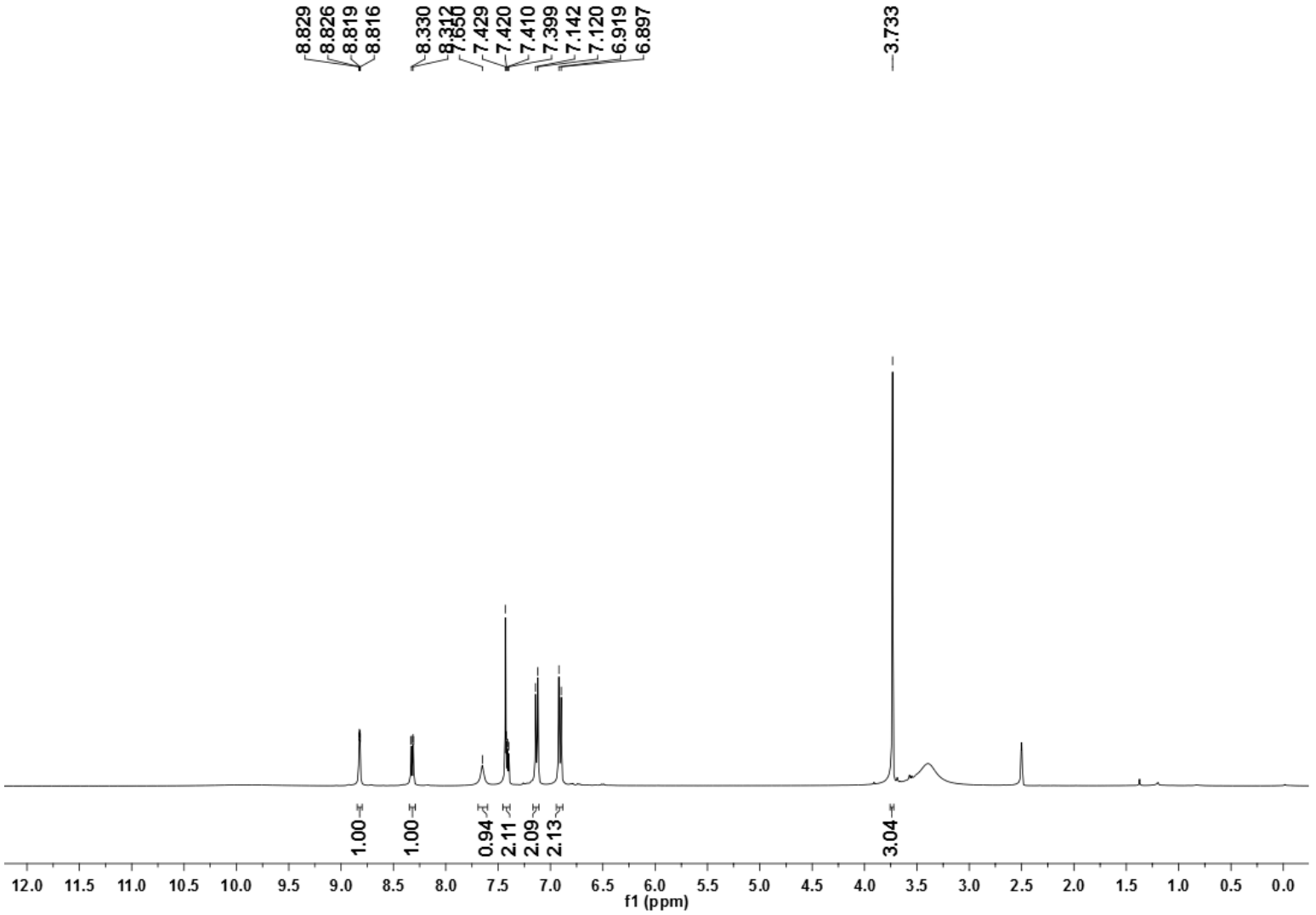


Figure S43. ^{1}H NMR spectrum in DMSO-d_6 of compound **5i**.

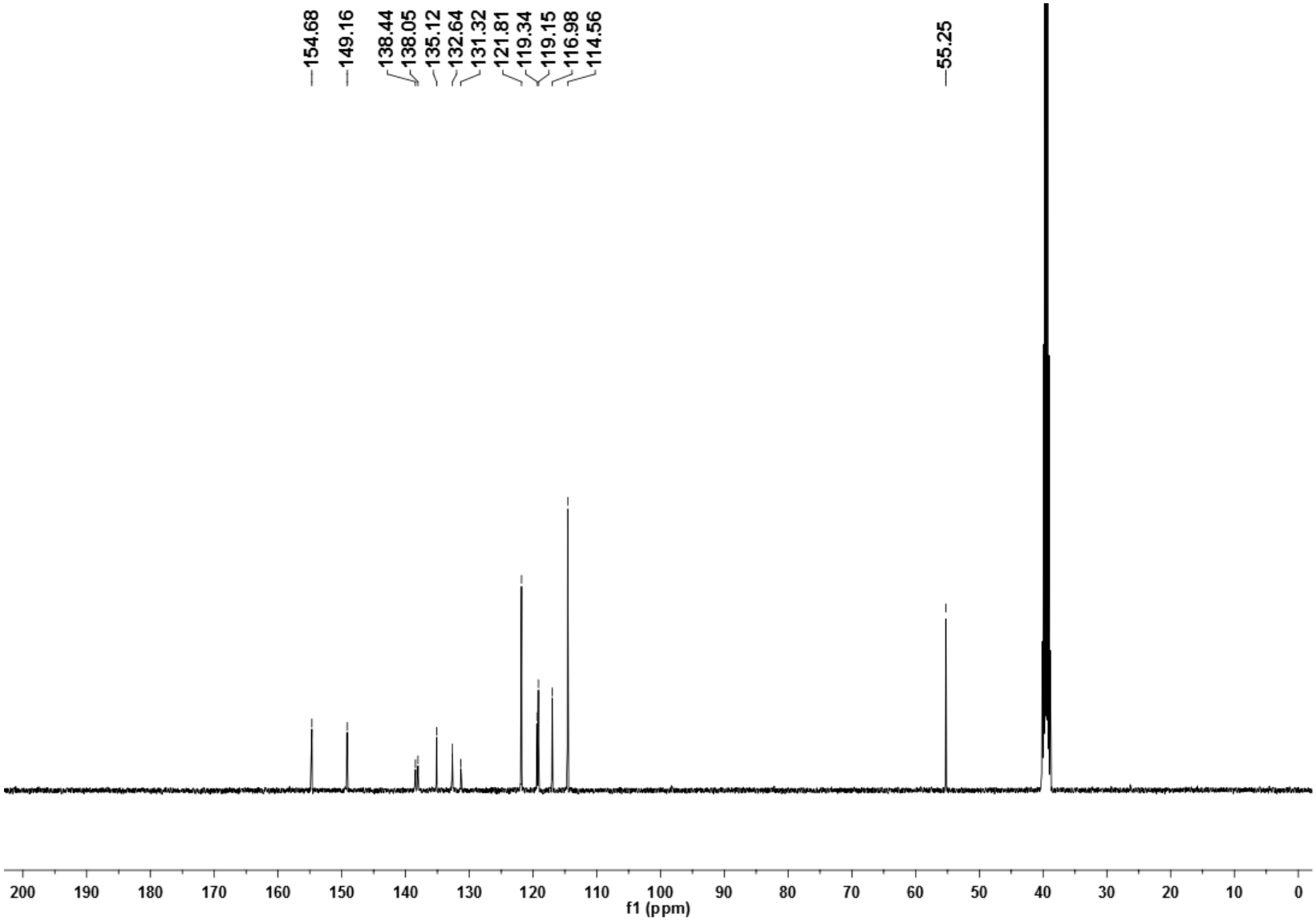


Figure S44. ^{13}C NMR spectrum in DMSO-d_6 of compound **5i**.

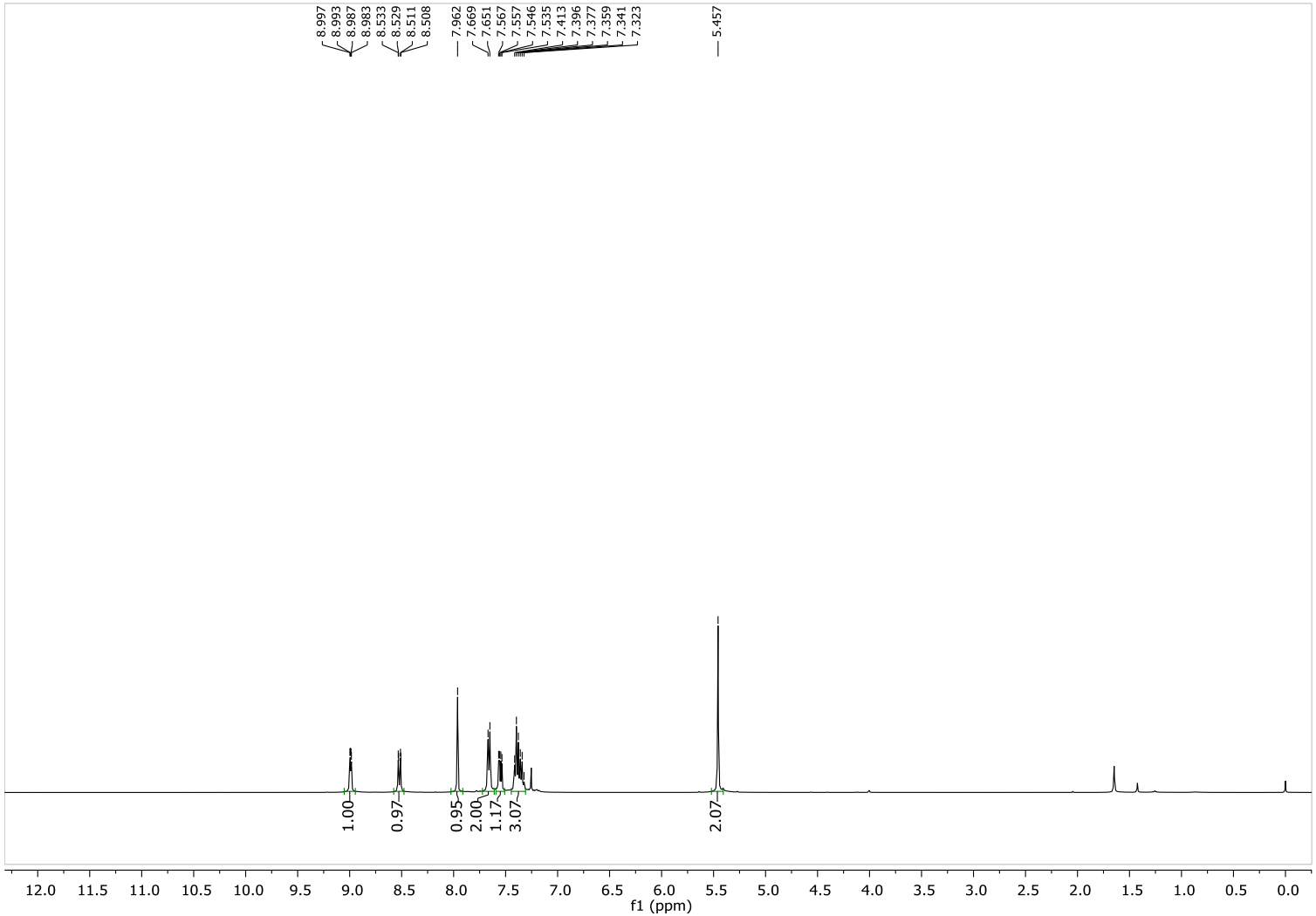


Figure S45. ^{1}H NMR spectrum in $CDCl_3$ of compound **8** (8-(benzyloxy)-5-chloro-7-iodoquinoline).

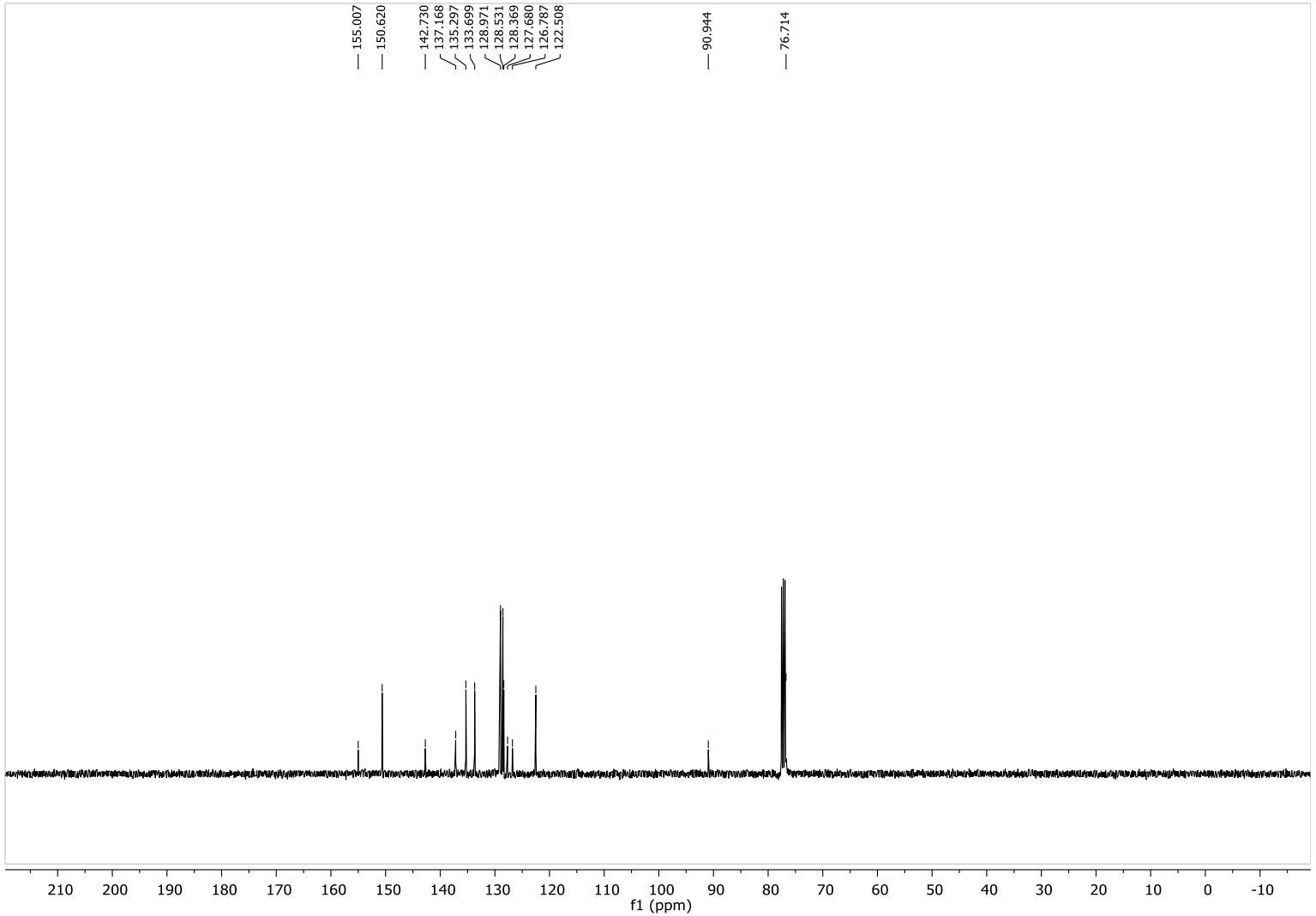


Figure S46. ^{13}C NMR spectrum in $CDCl_3$ of compound **8** (8-(benzyloxy)-5-chloro-7-iodoquinoline).

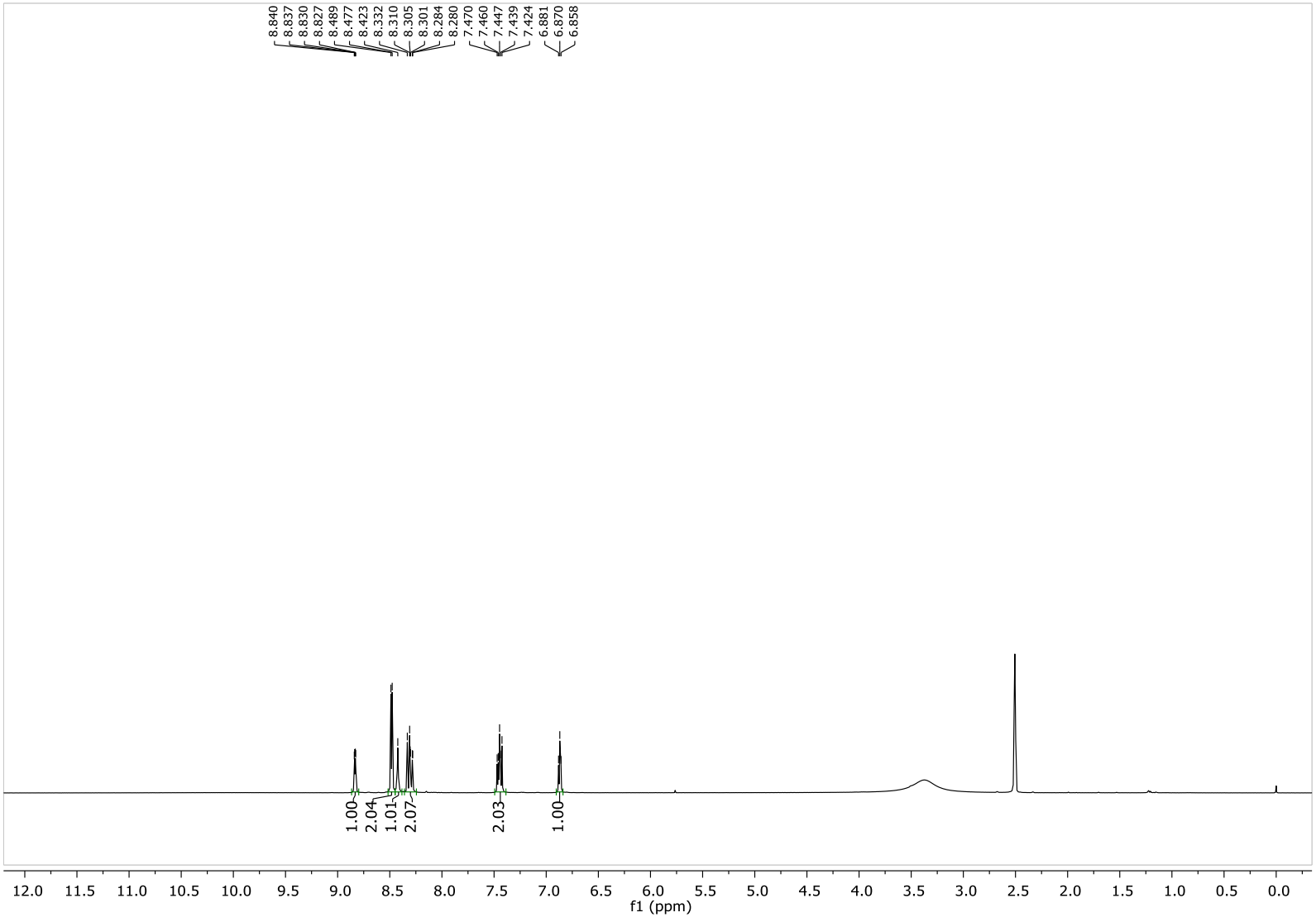


Figure S47. ^{1}H NMR spectrum in DMSO-d_6 of compound **10a**.

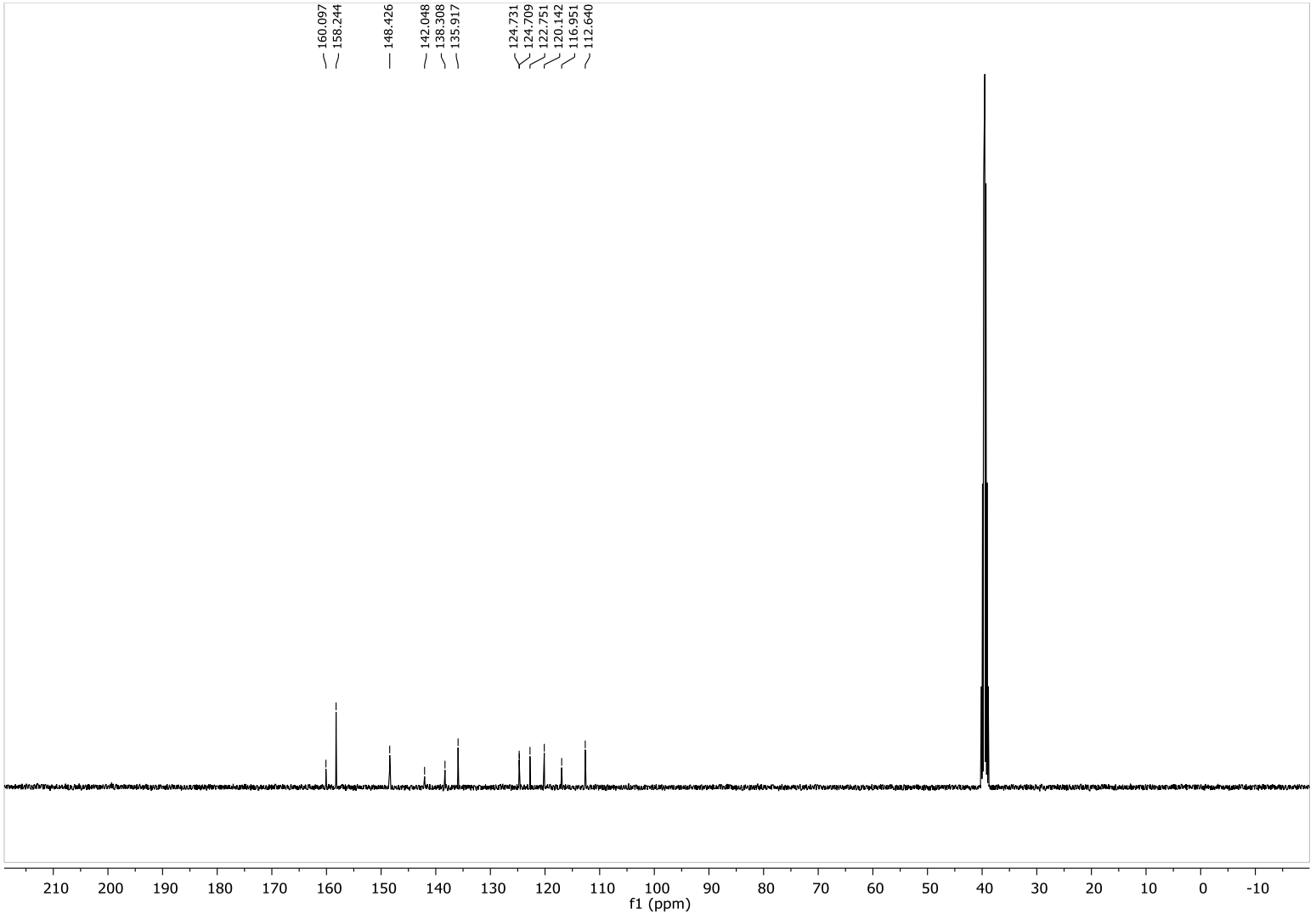


Figure S48. ^{13}C NMR spectrum in DMSO-d_6 of compound **10a**.

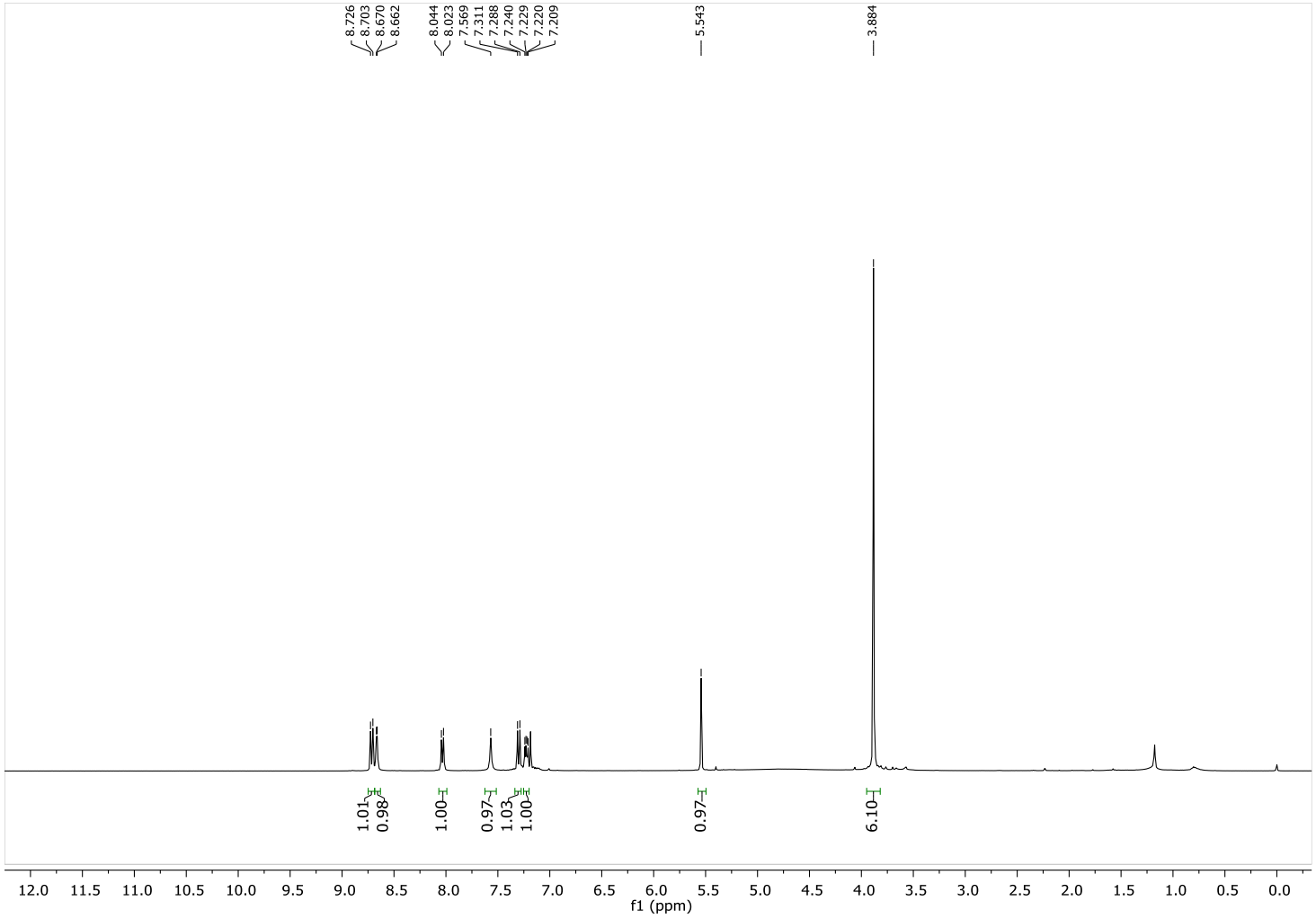


Figure S49. ^{1}H NMR spectrum in $CDCl_3$ of compound **10b**.

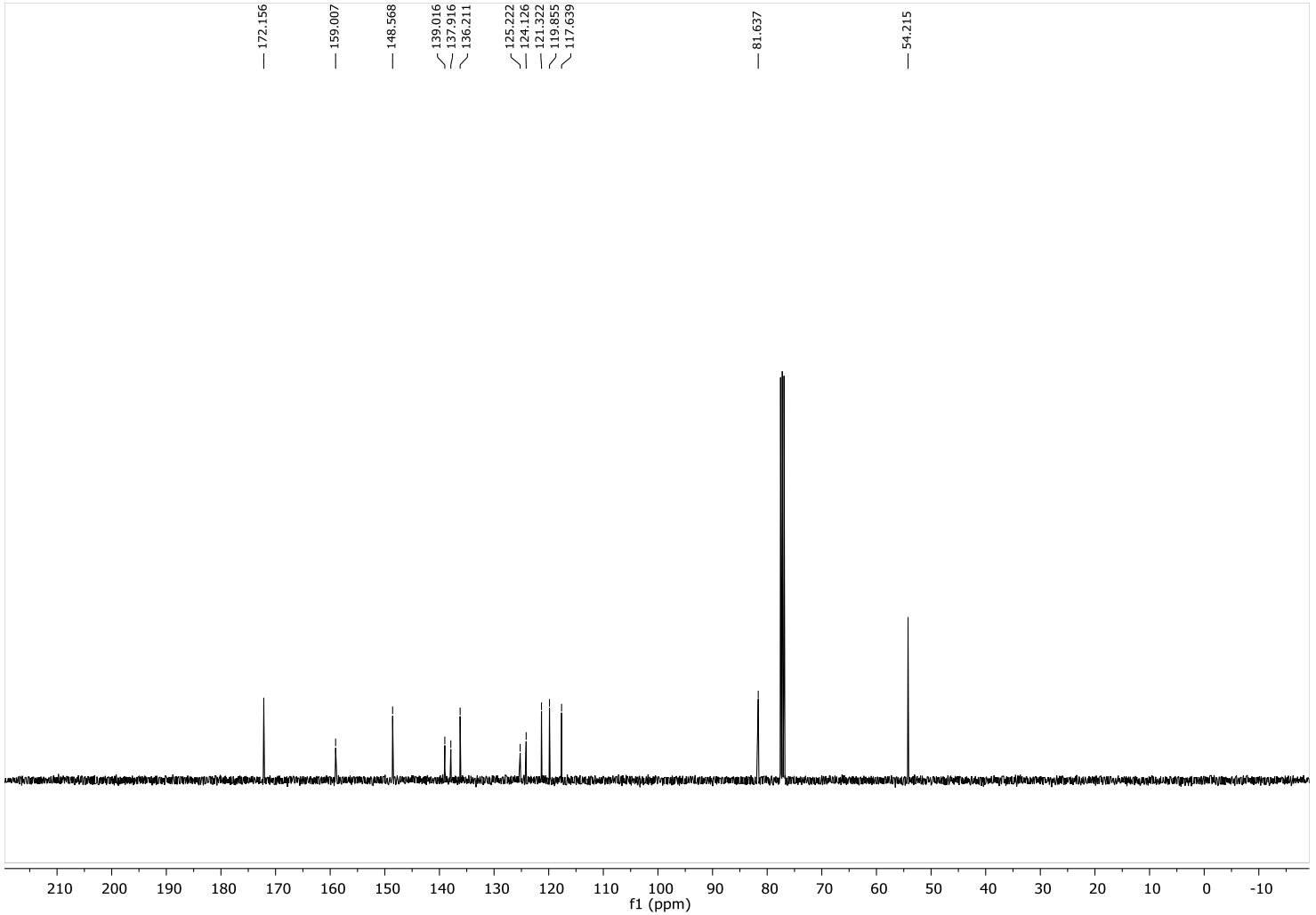


Figure S50. ^{13}C NMR spectrum in $CDCl_3$ of compound **10b**.

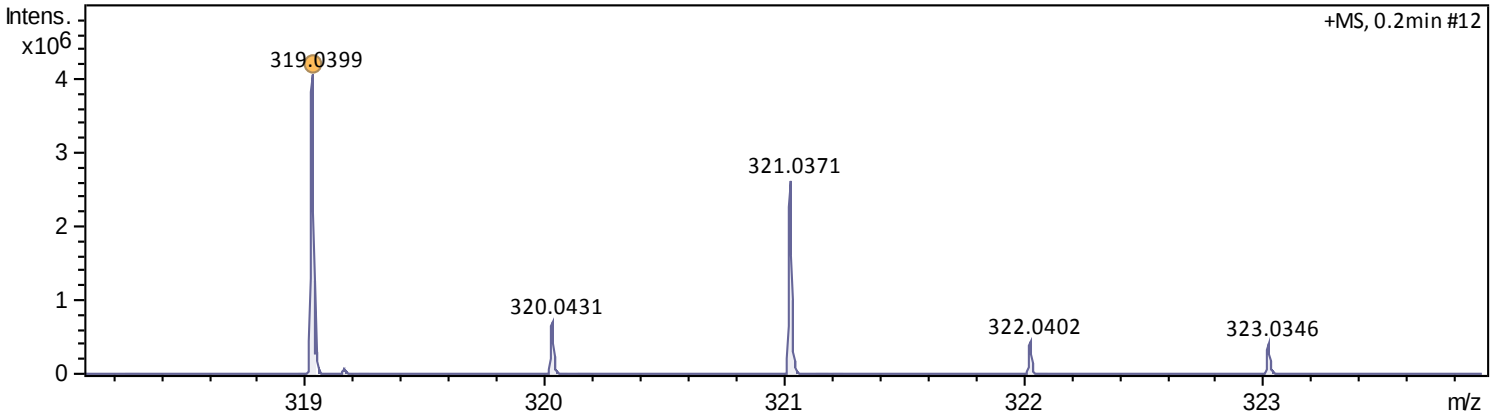


Figure S51. HRMS spectrum of compound **4a**.

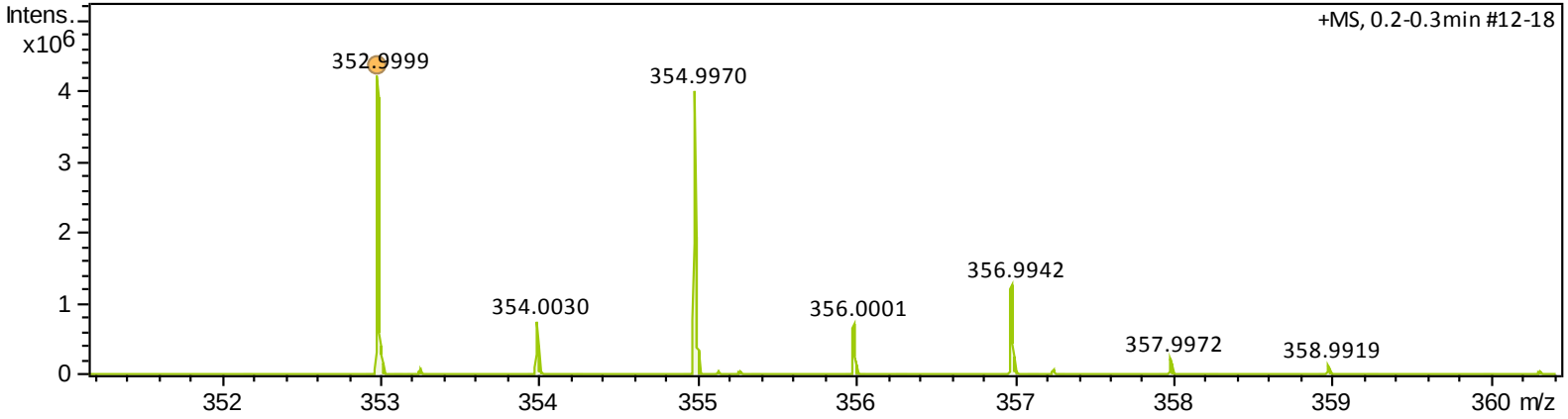


Figure S52. HRMS spectrum of compound **4b**.

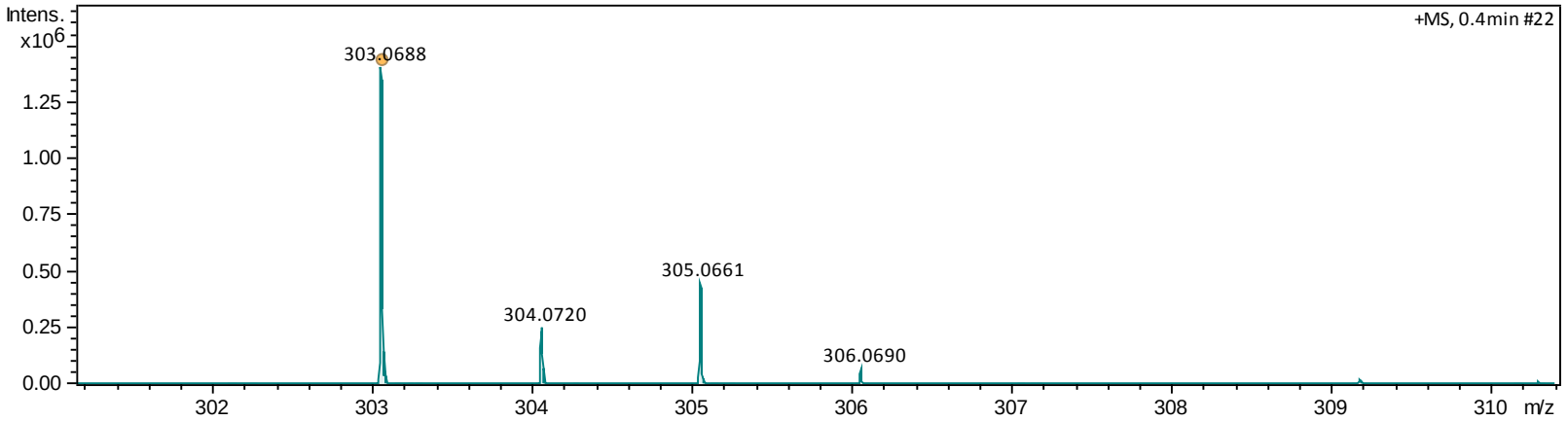


Figure S53. HRMS spectrum of compound **4c**.

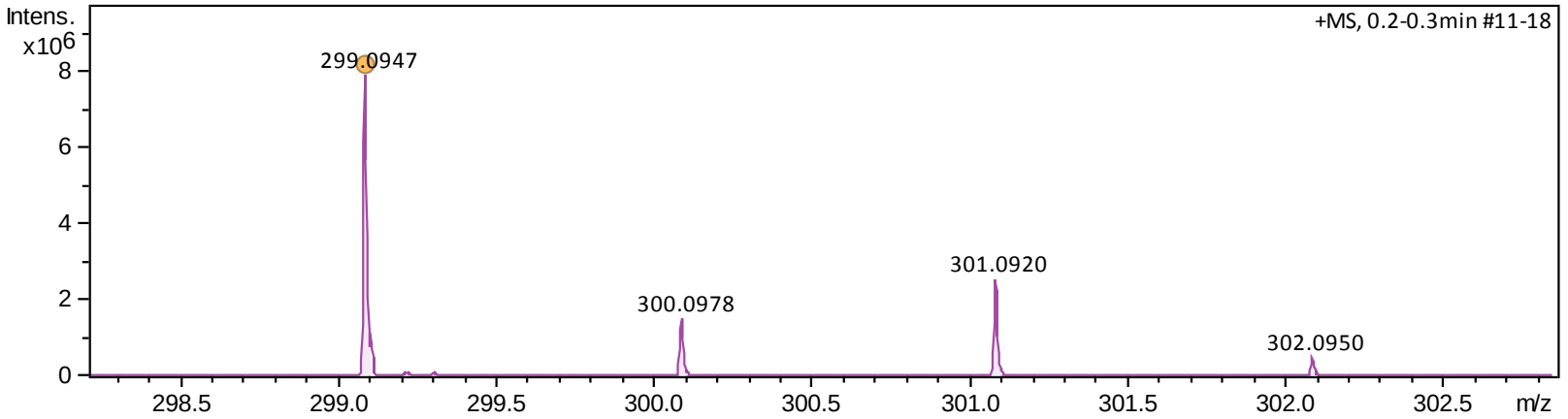


Figure S54. HRMS spectrum of compound **4d**.

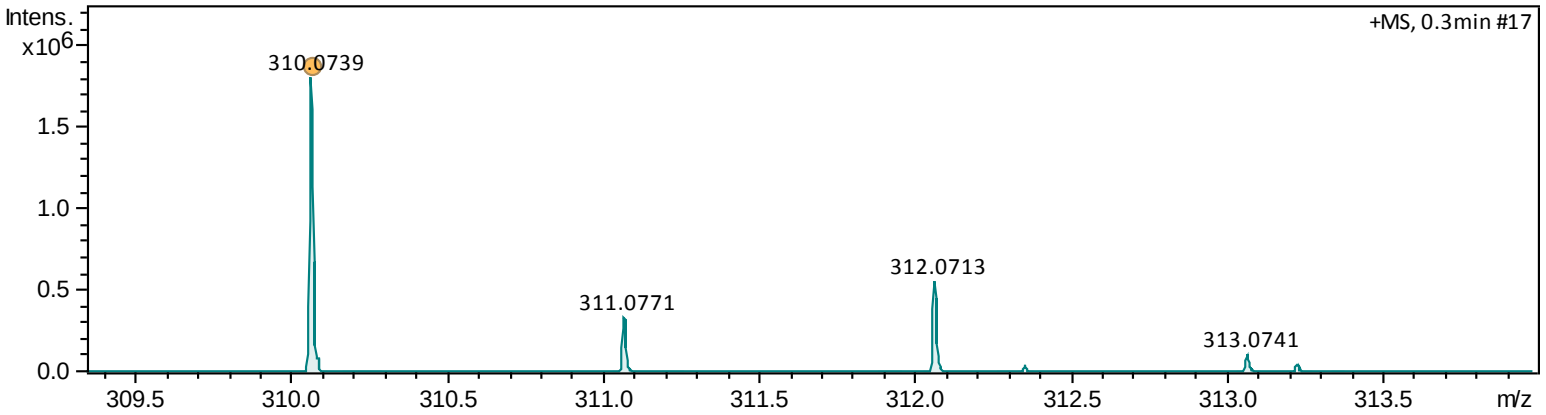


Figure S55. HRMS spectrum of compound **4e**.

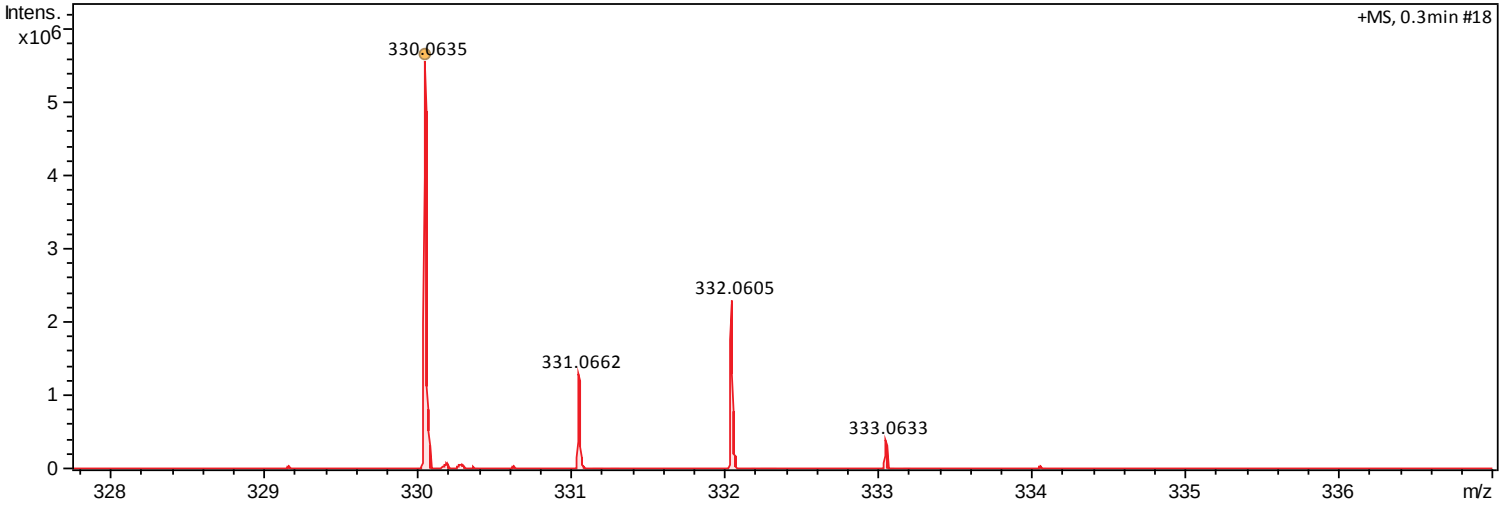


Figure S56. HRMS spectrum of compound **4f**.

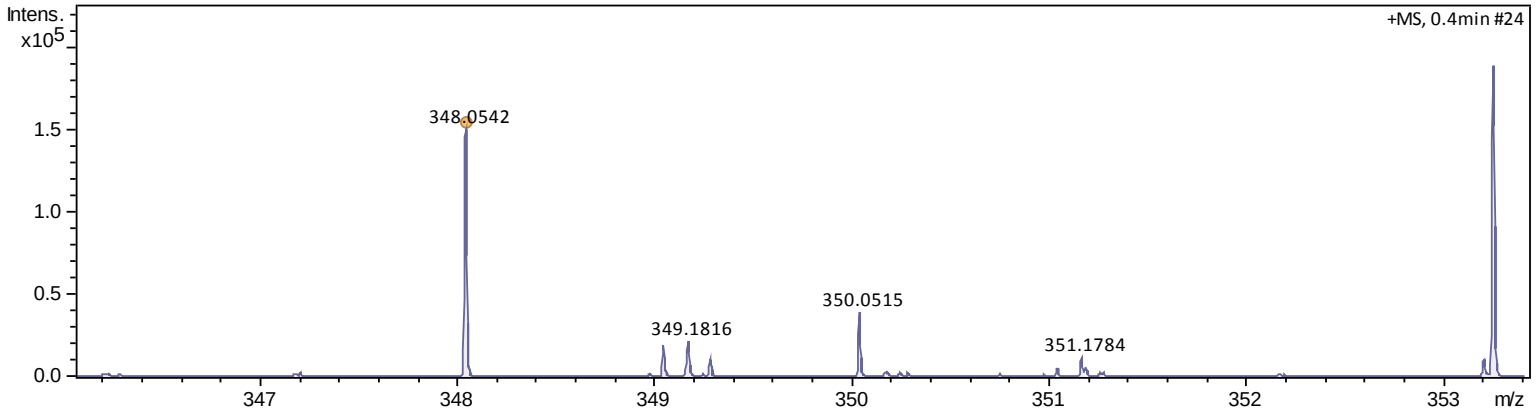


Figure S57. HRMS spectrum of compound **4g**.

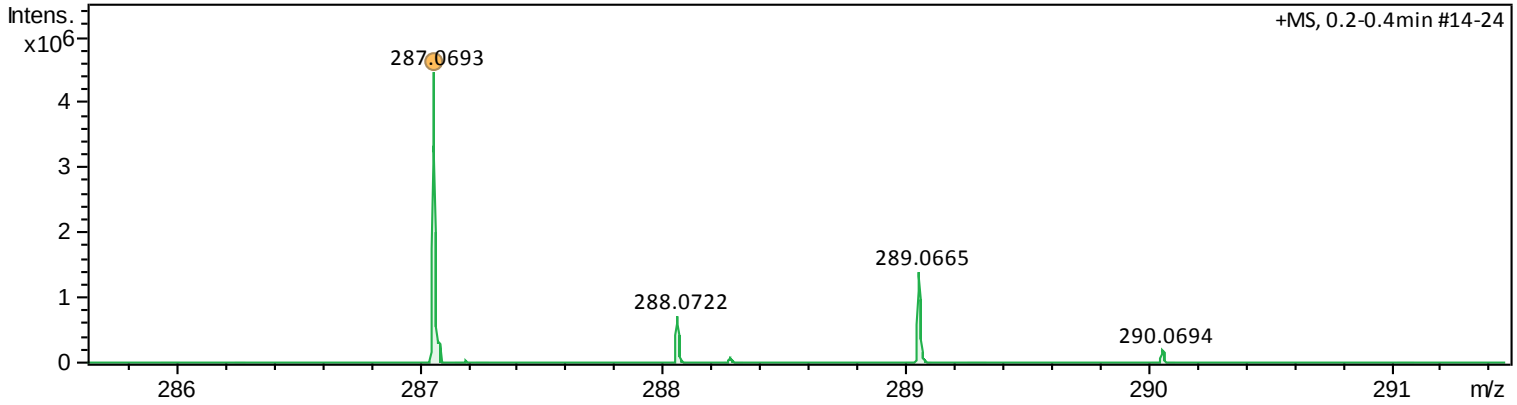


Figure S58. HRMS spectrum of compound **4h**.

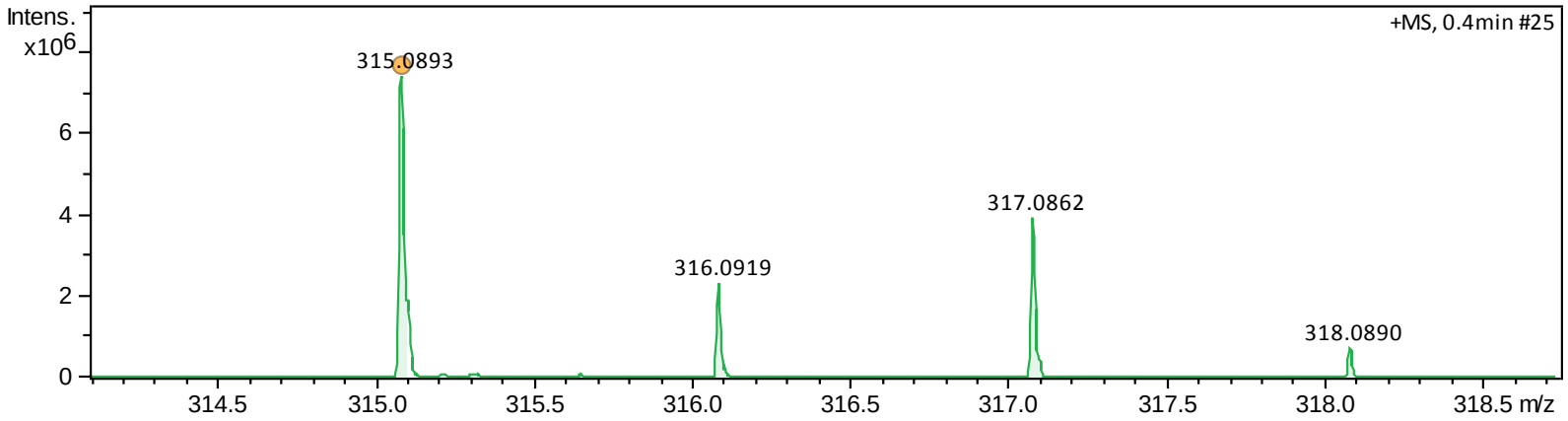


Figure S59. HRMS spectrum of compound **4i**.

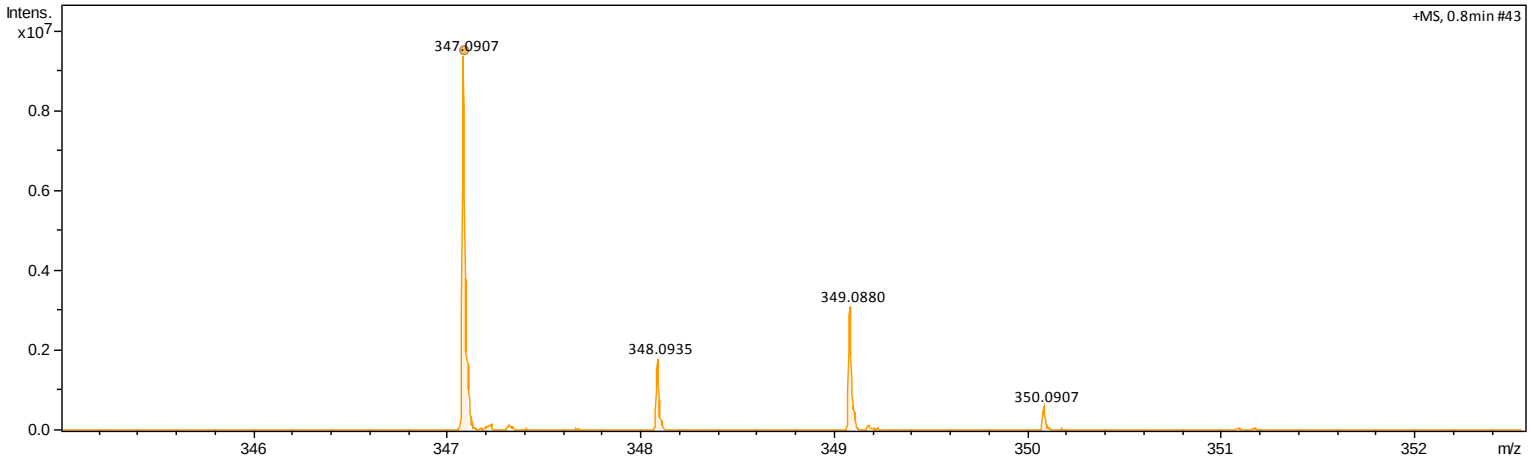


Figure S60. HRMS spectrum of compound **4j**.

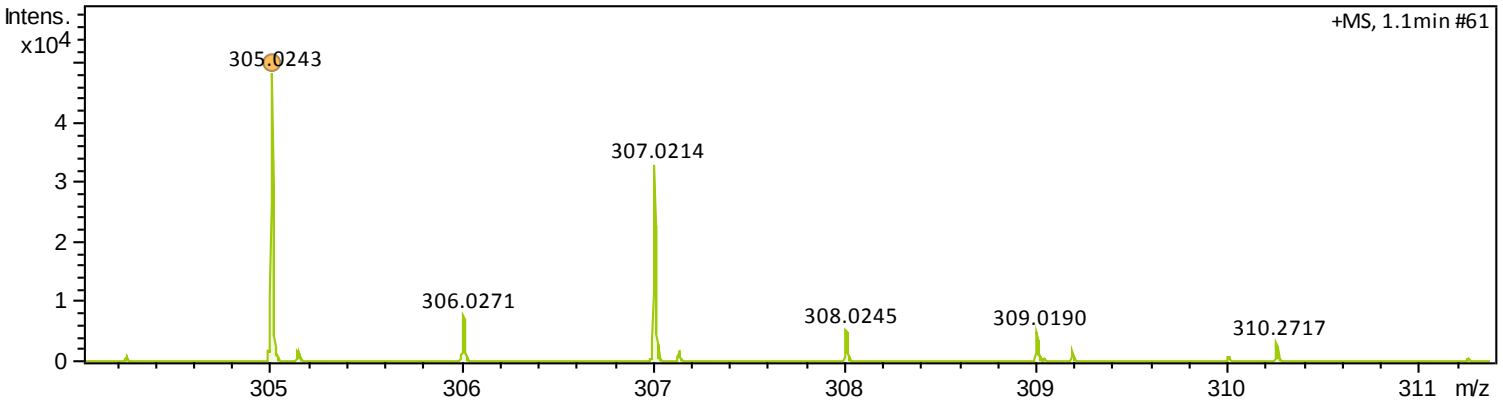


Figure S61. HRMS spectrum of compound **5a**.

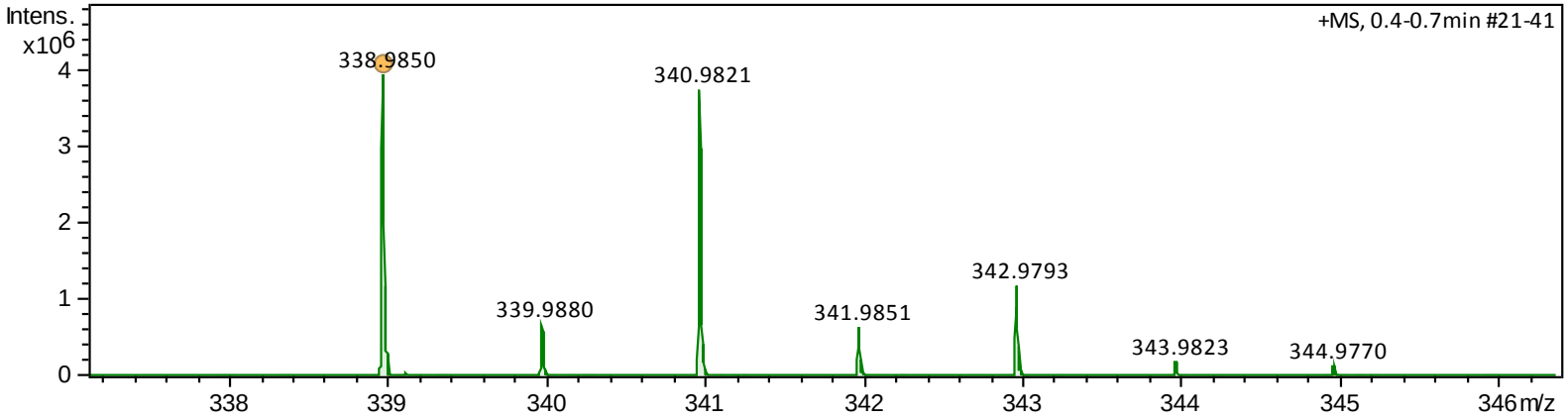


Figure S62. HRMS spectrum of compound **5b**.

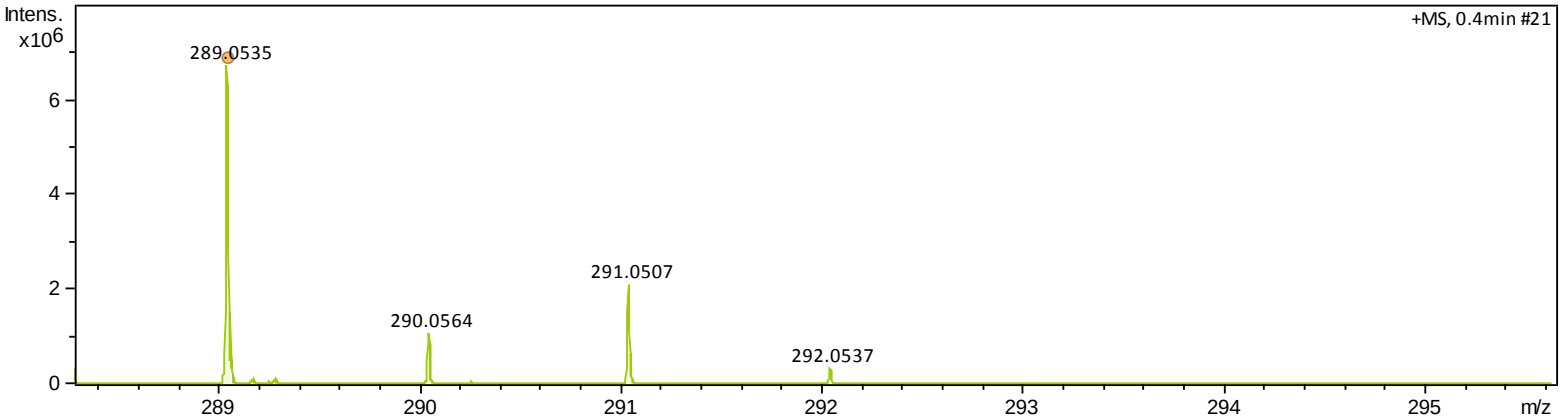


Figure S63. HRMS spectrum of compound **5c**.

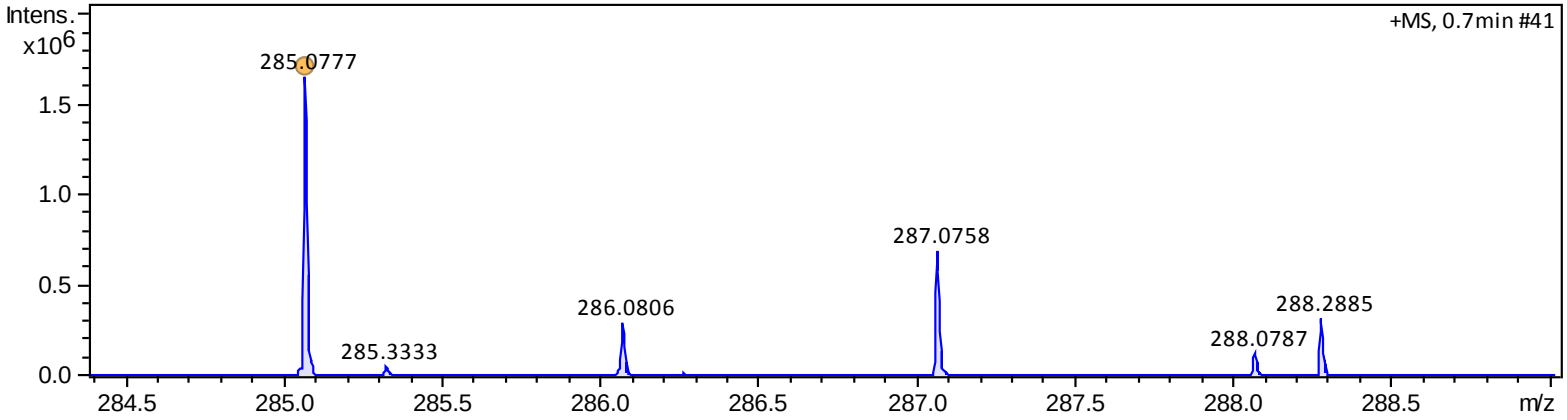


Figure S64. HRMS spectrum of compound **5d**.

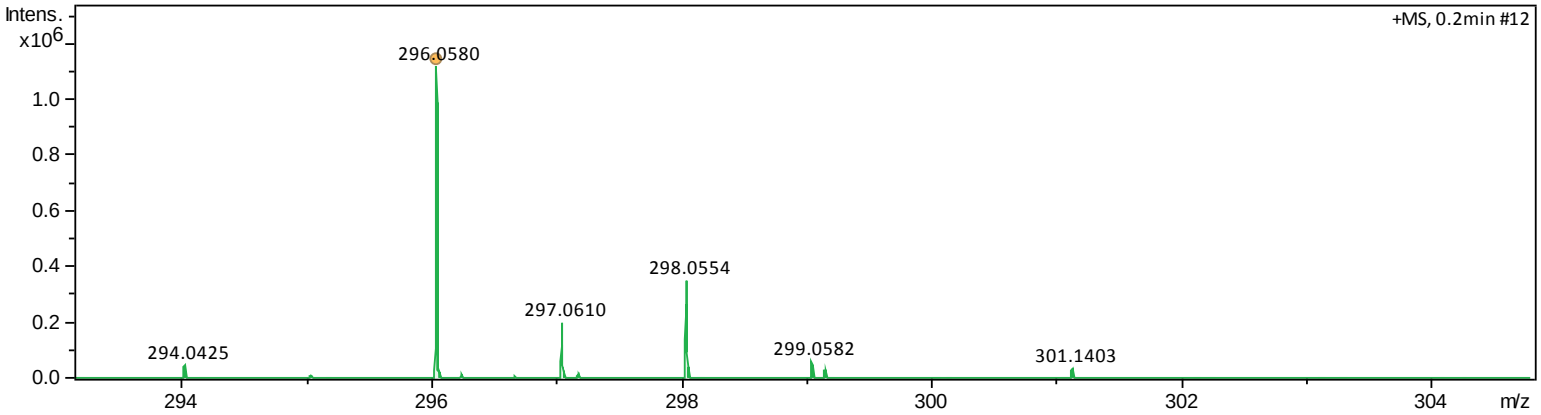


Figure S65. HRMS spectrum of compound **5e**.

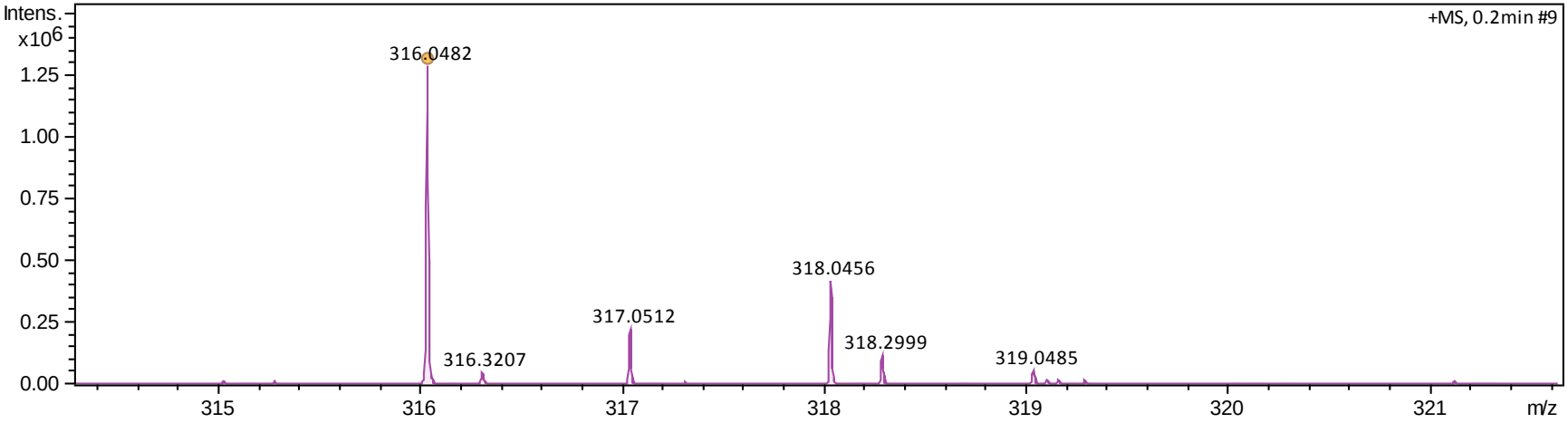


Figure S66. HRMS spectrum of compound **5f**.

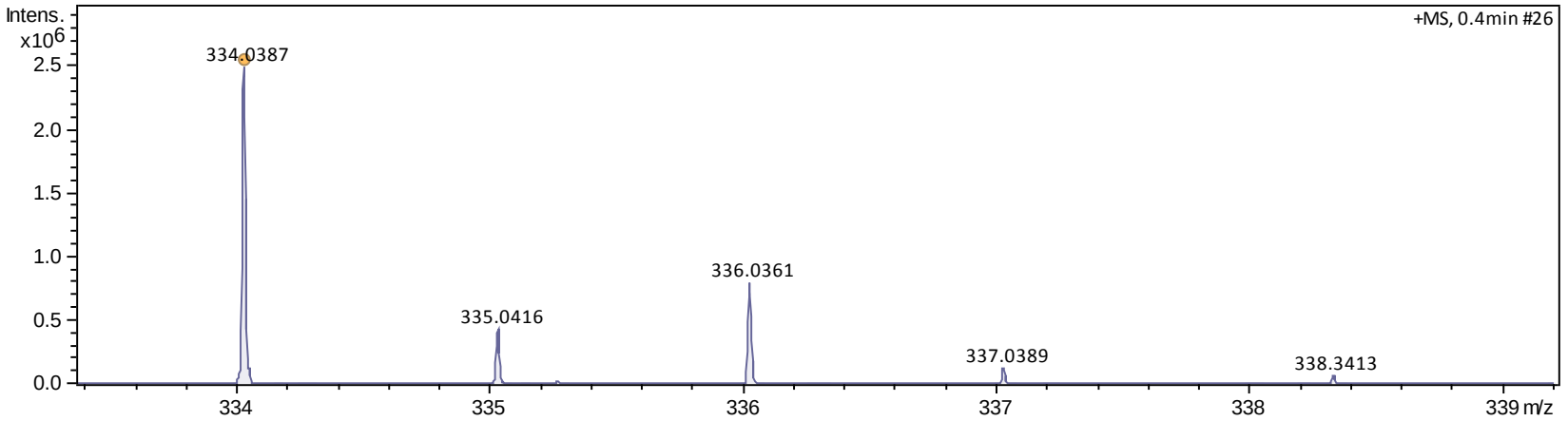


Figure S67. HRMS spectrum of compound **5g**.

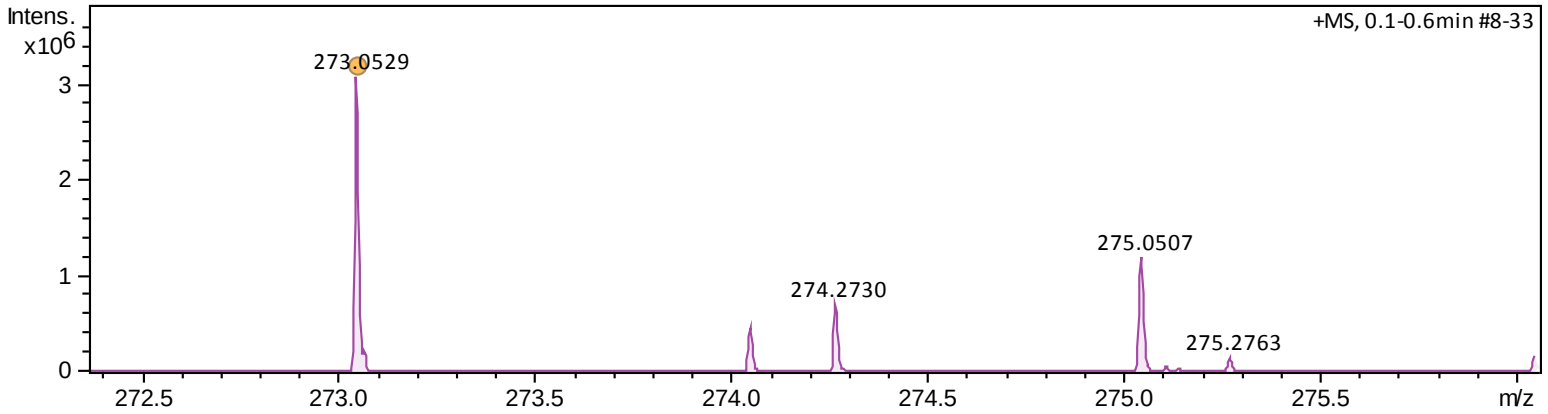


Figure S68. HRMS spectrum of compound **5h**.

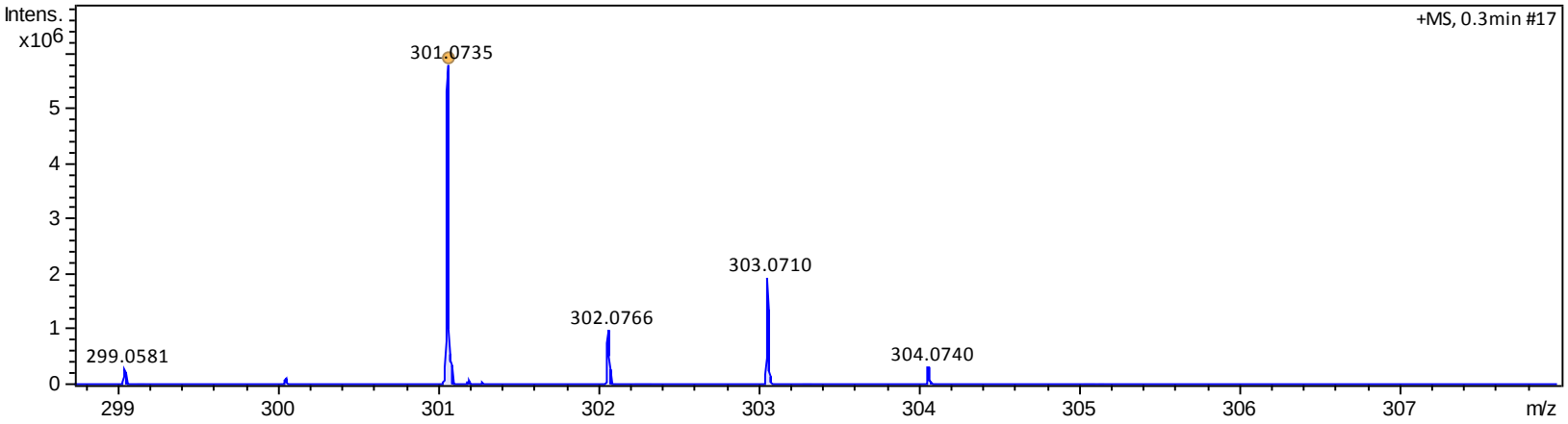


Figure S69. HRMS spectrum of compound **5i**.

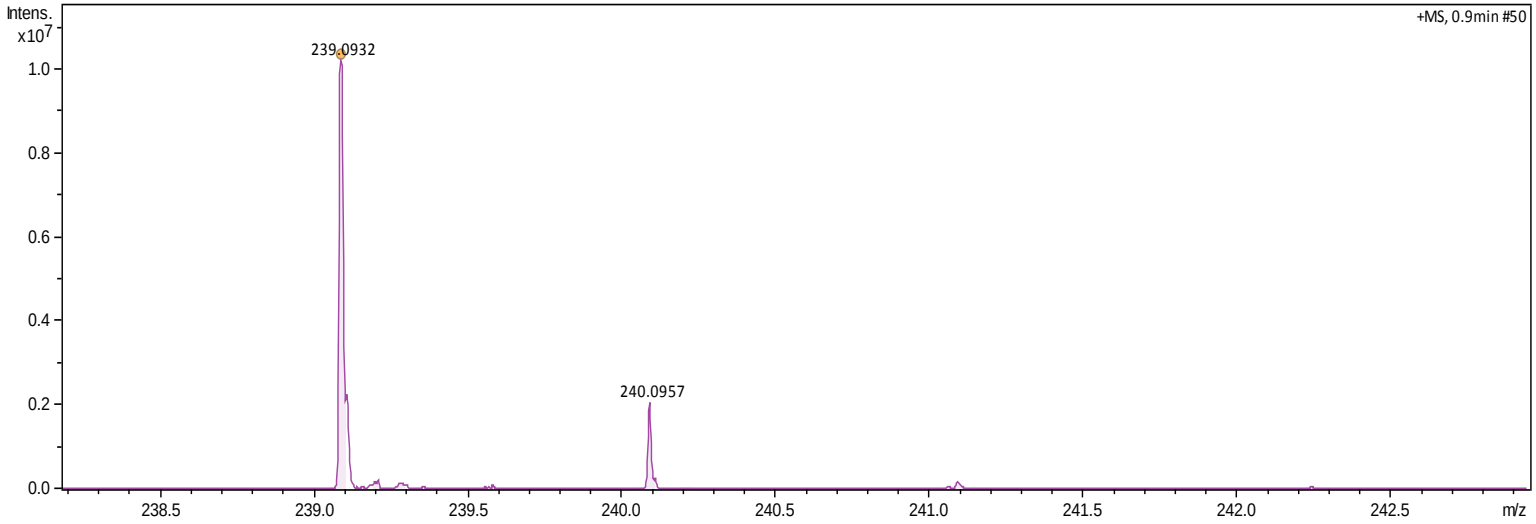


Figure S70. HRMS spectrum of compound **10a**.

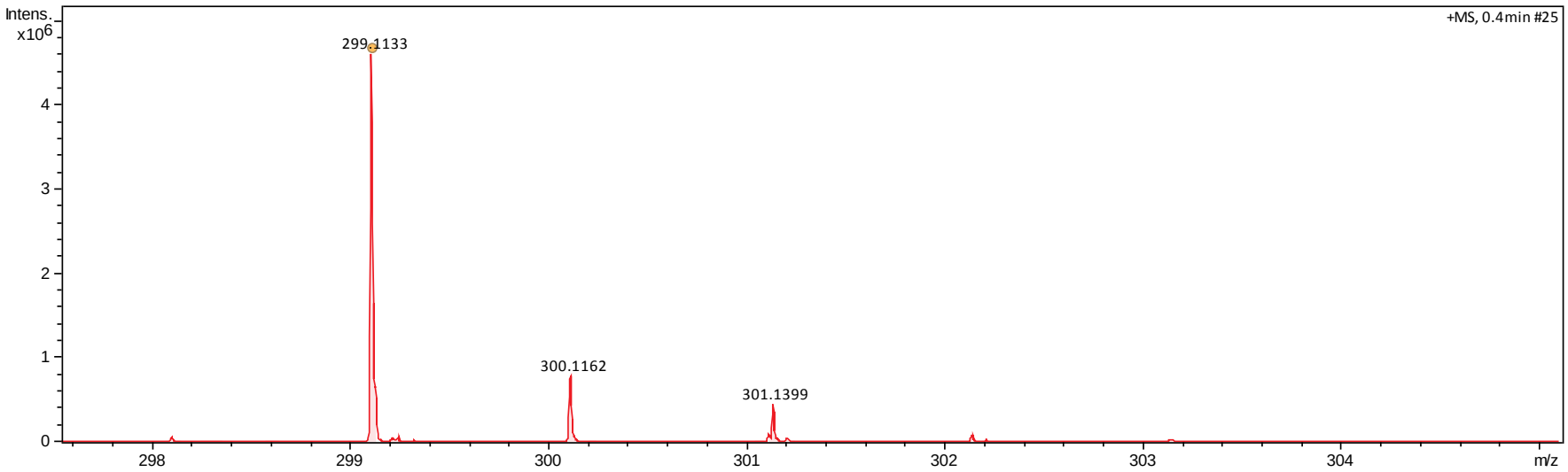


Figure S71. HRMS spectrum of compound **10b**.

Equation S1.

$$IS = \left(\left(\frac{(301 - HemorrhageTime)}{300}\right)x5\right) + \left(\left(\frac{(301 - LysisTime)}{300}\right)x7\right) + \left(\left(\frac{(301 - CoagulationTime)}{300}\right)x9\right)$$