

Supplementary Materials

The ^1H -NMR and ^{13}C -NMR spectra of pyrazole oxime derivatives **9a–9v** and **13a–13f** were listed below:

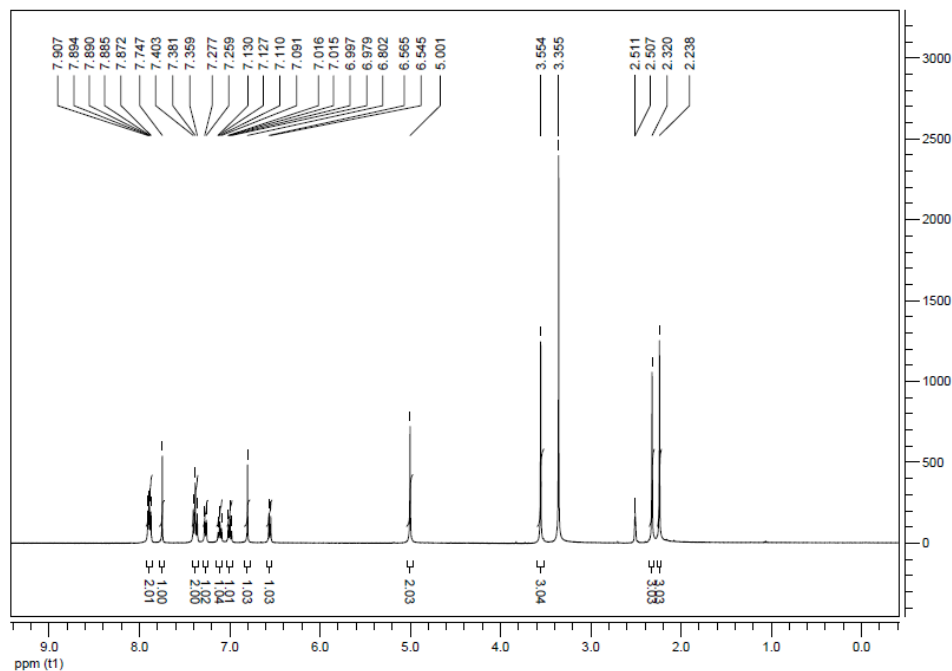


Figure S1. ^1H -NMR of compound **9a** (400 MHz, d_6 -DMSO).

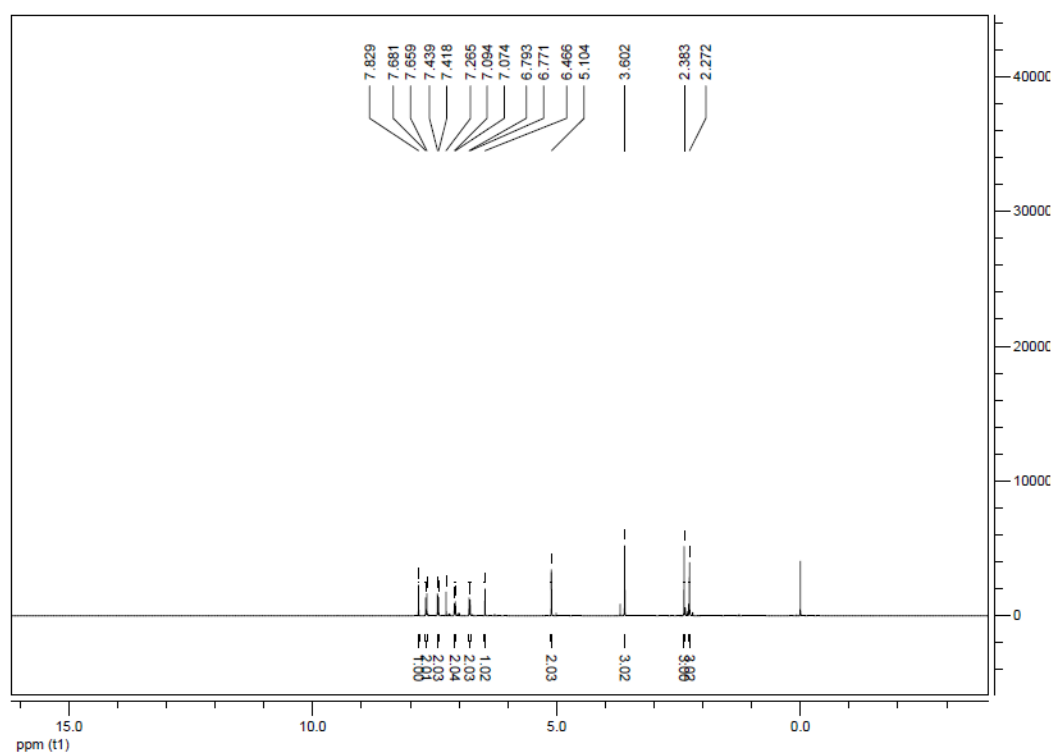


Figure S2. ^1H -NMR of compound **9b** (400 MHz, CDCl_3).

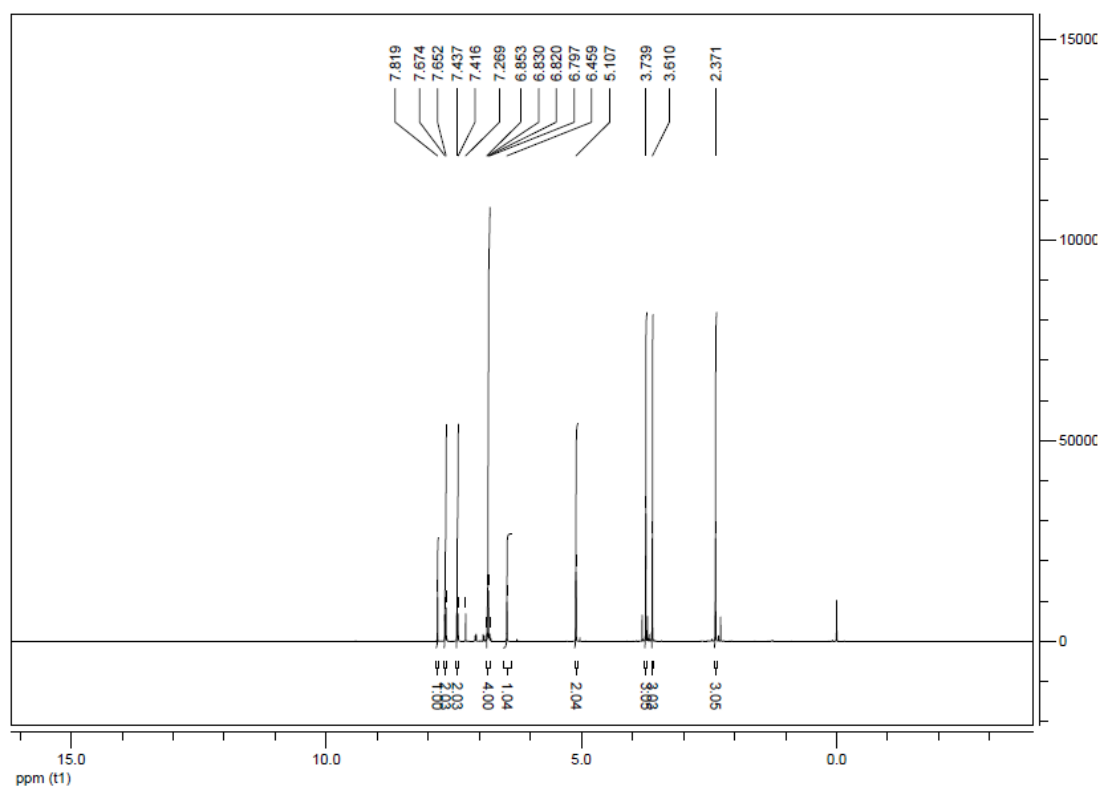


Figure S3. ¹H-NMR of compound **9c** (400 MHz, CDCl₃).

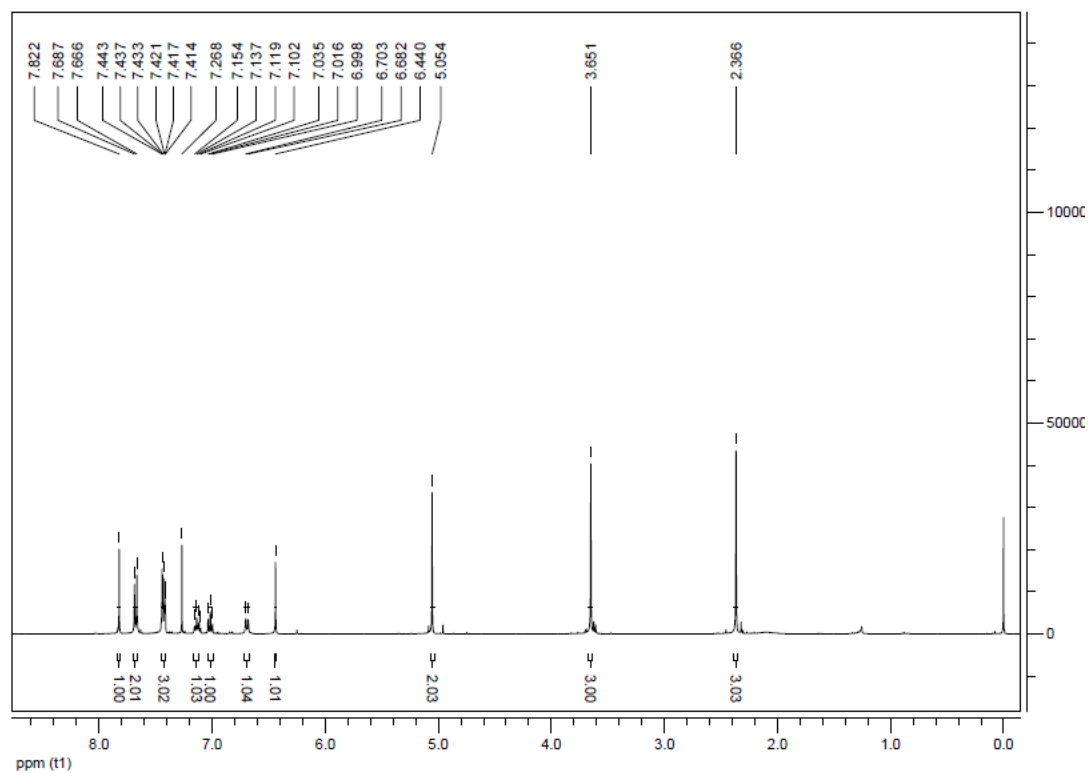


Figure S4. ¹H-NMR of compound **9d** (400 MHz, CDCl₃).

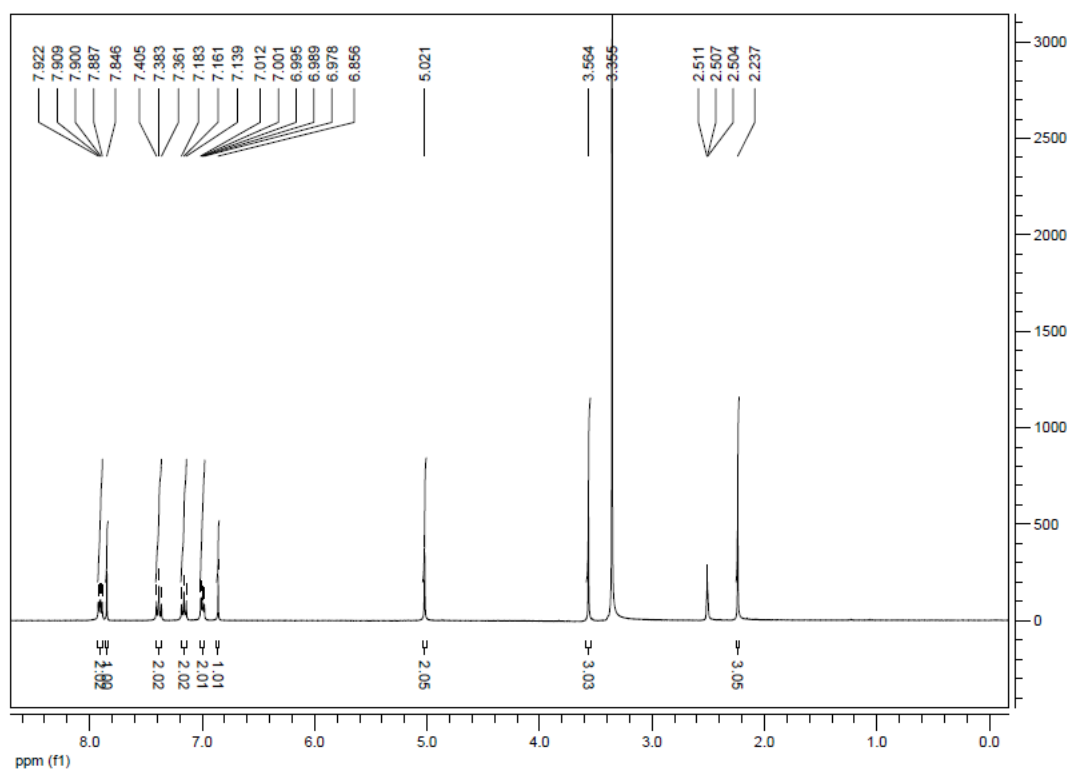


Figure S5. ¹H-NMR of compound 9e (400 MHz, *d*₆-DMSO).

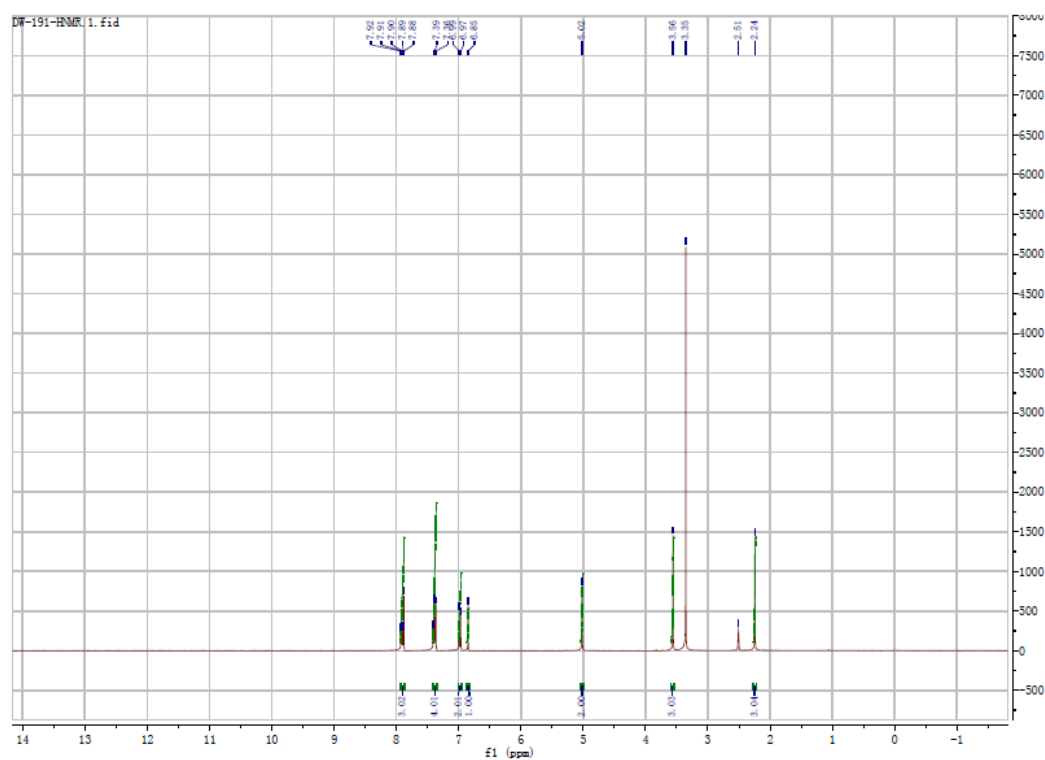


Figure S6. ¹H-NMR of compound 9f (400 MHz, *d*₆-DMSO).

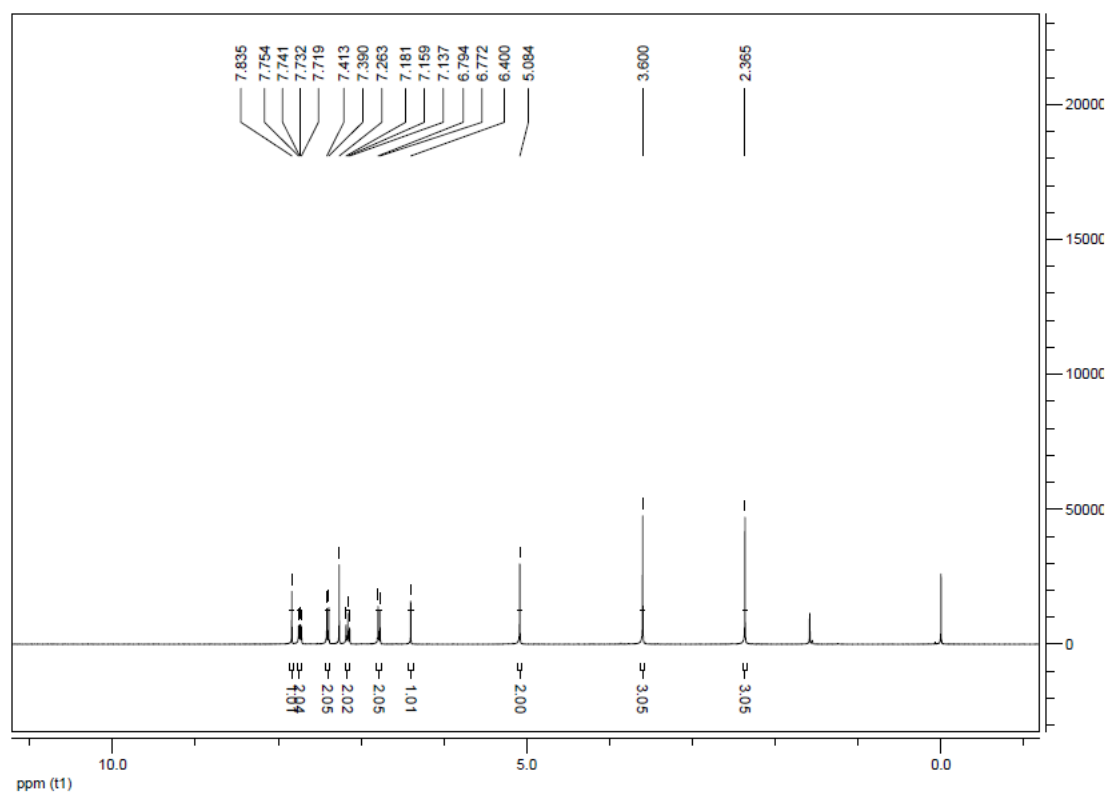


Figure S7. ¹H-NMR of compound **9g** (400 MHz, CDCl₃).

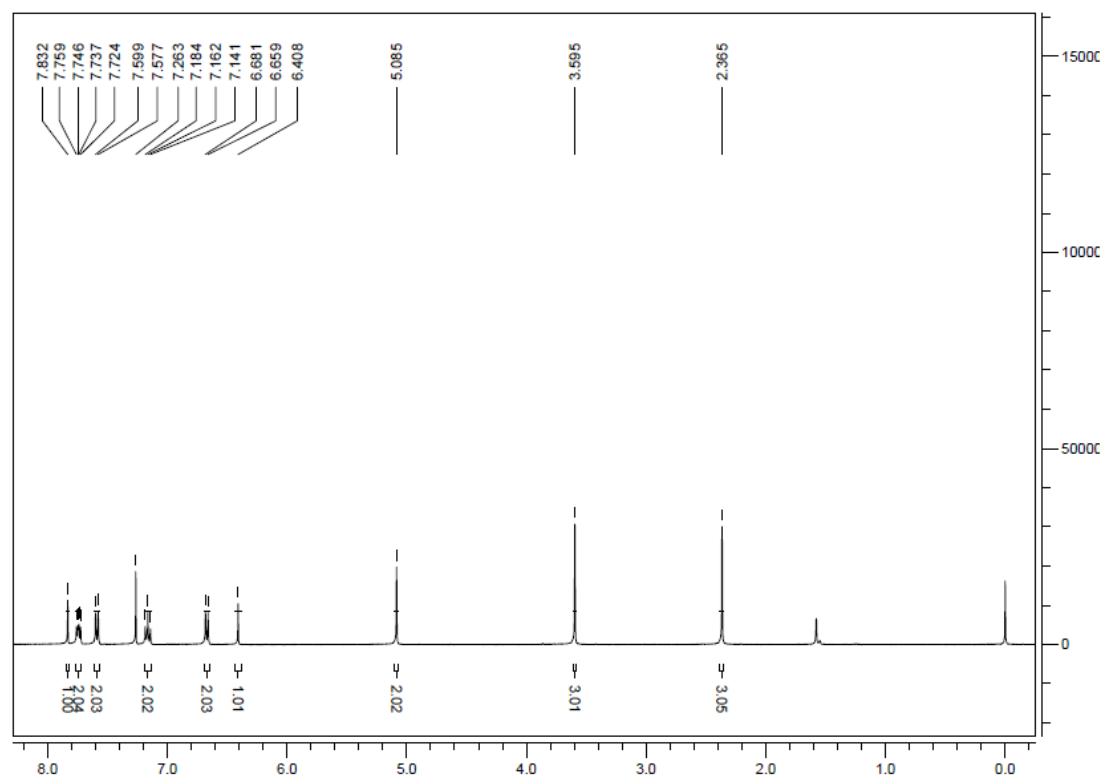


Figure S8. ¹H-NMR of compound **9h** (400 MHz, CDCl₃).

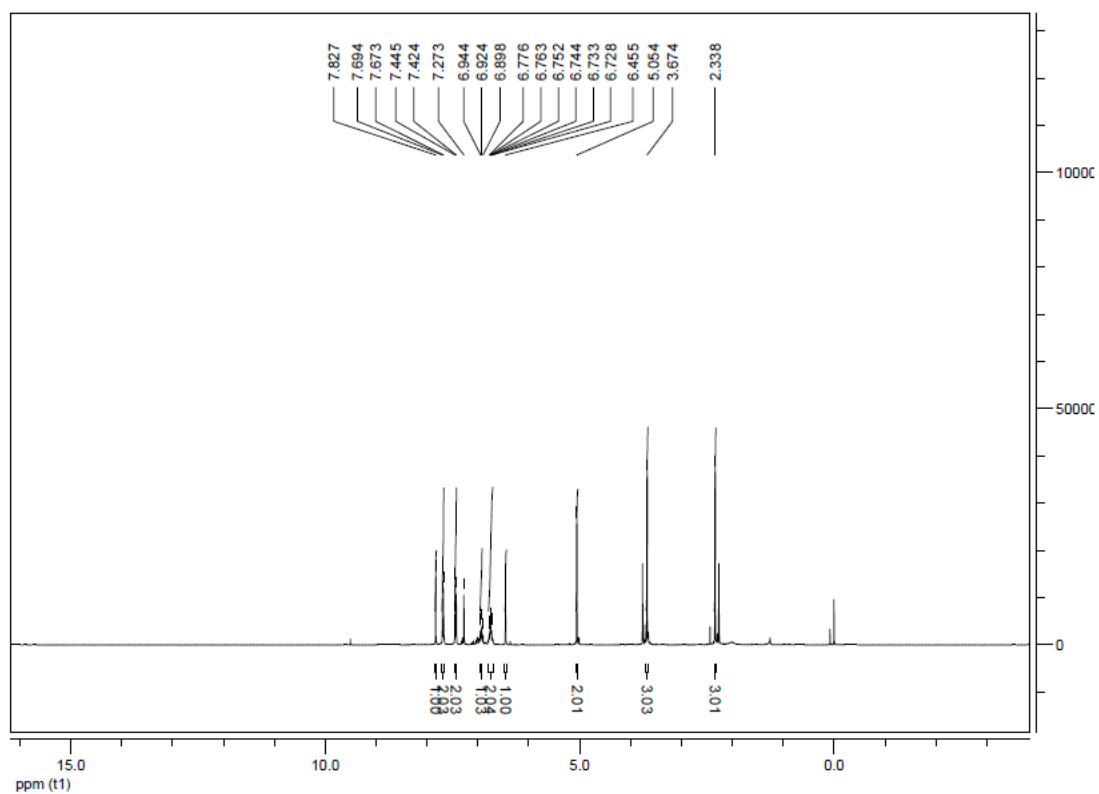


Figure S9. ¹H-NMR of compound **9i** (400 MHz, CDCl₃).

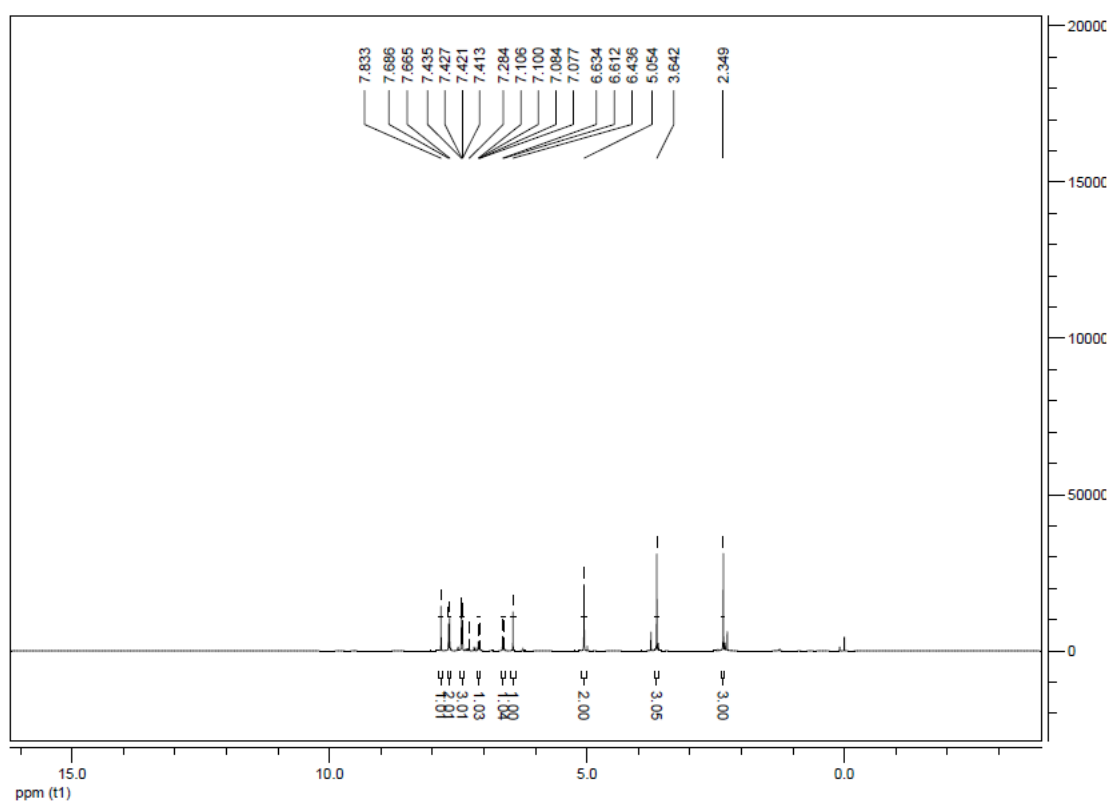


Figure S10. ¹H-NMR of compound **9j** (400 MHz, CDCl₃).

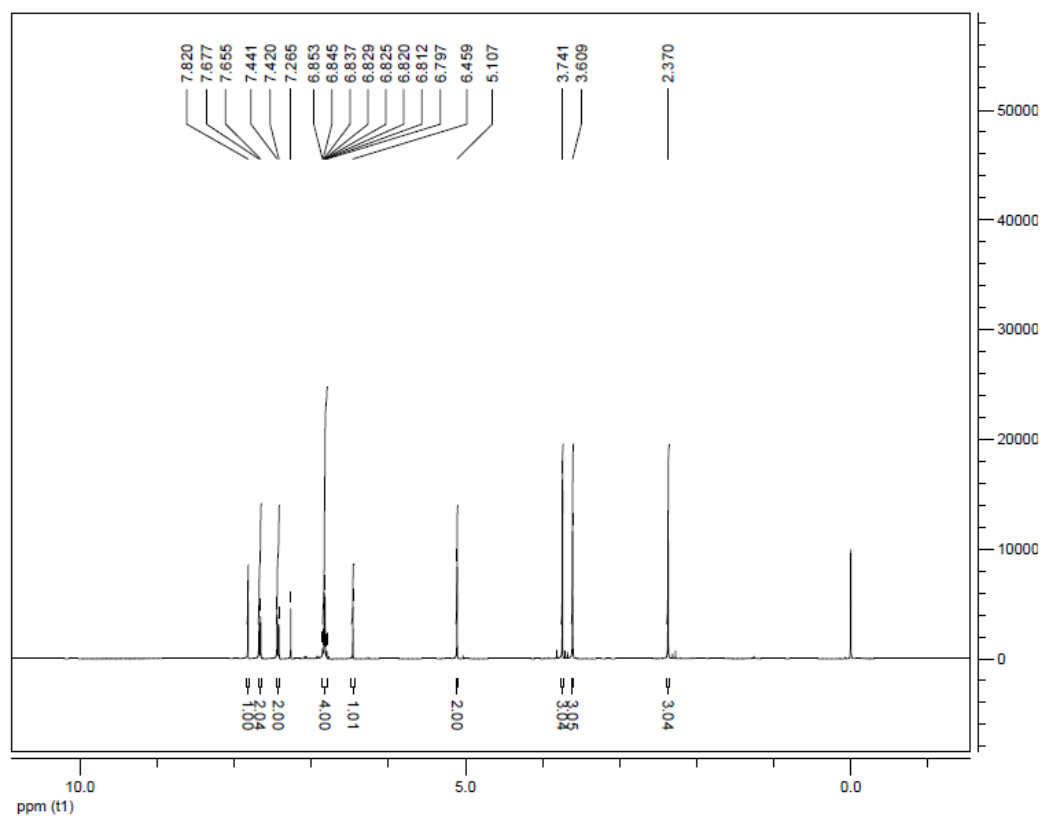


Figure S11. ¹H-NMR of compound **9k** (400 MHz, CDCl₃).

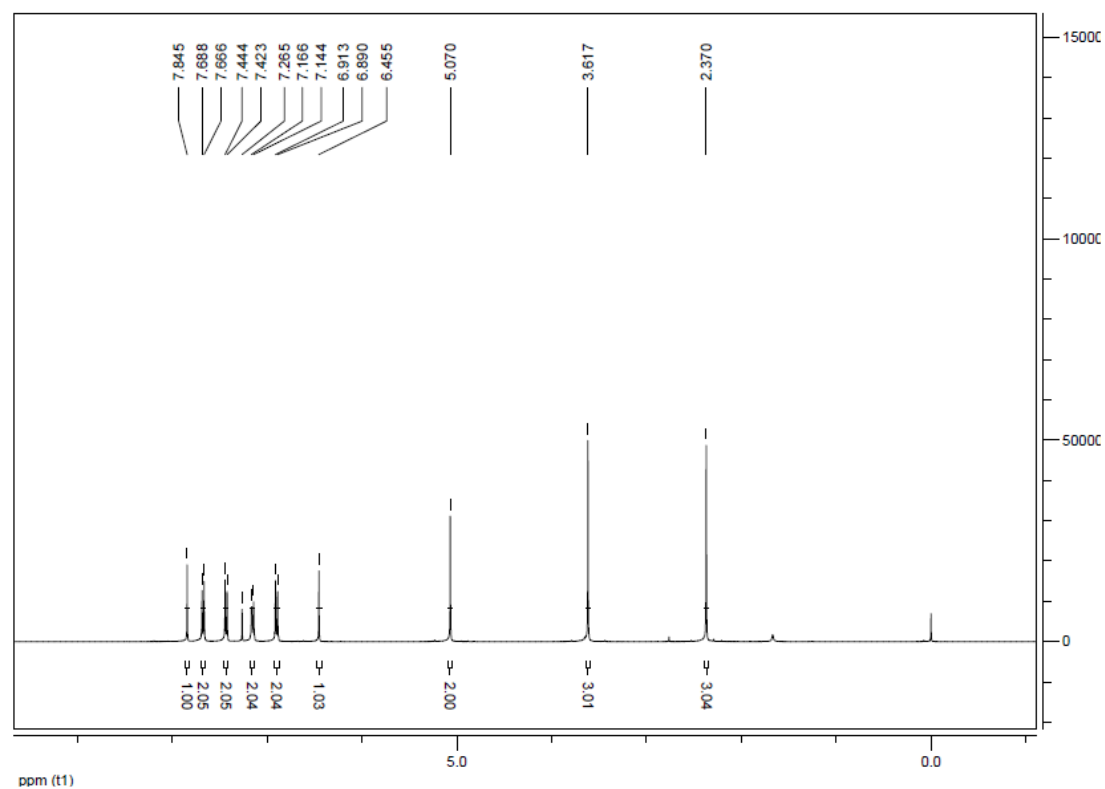


Figure S12. ¹H-NMR of compound **9l** (400 MHz, CDCl₃).

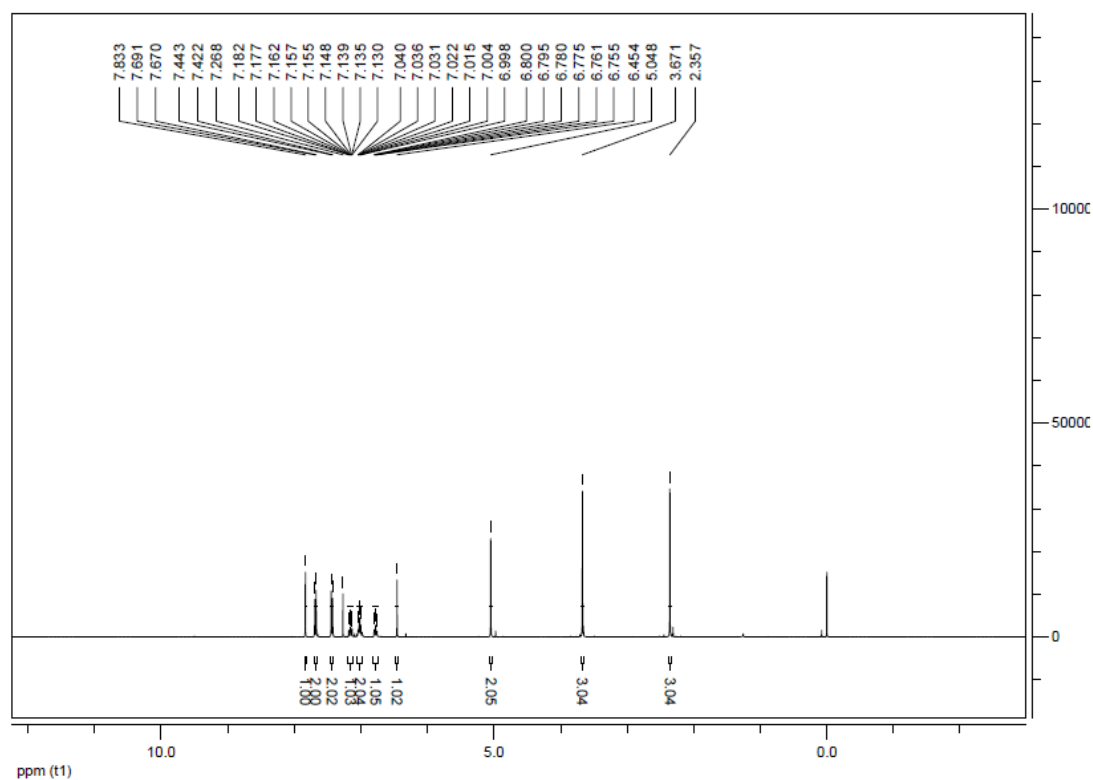


Figure S13. ¹H-NMR of compound **9m** (400 MHz, CDCl₃).

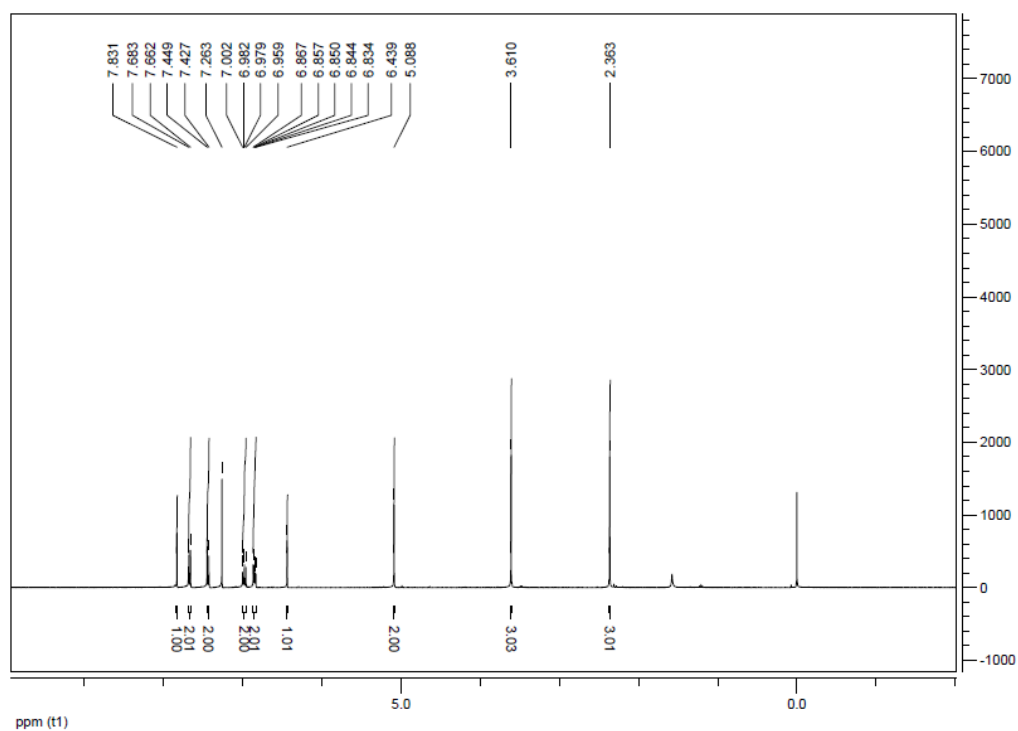


Figure S14. ¹H-NMR of compound **9n** (400 MHz, CDCl₃).

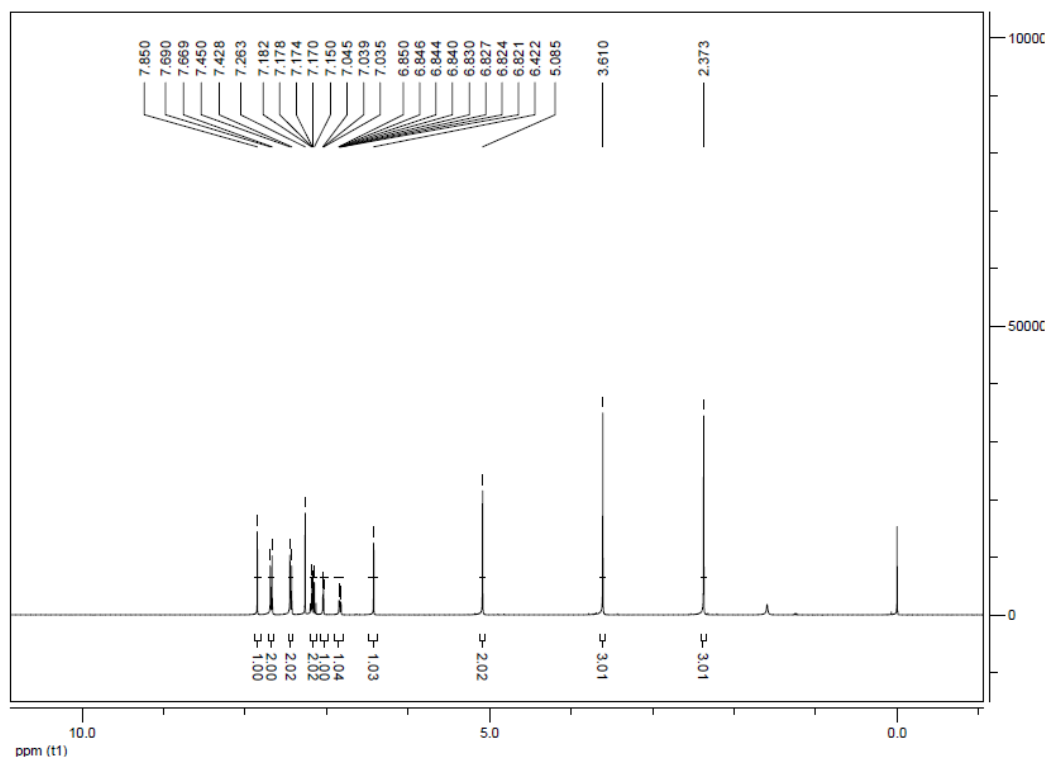


Figure S15. ¹H-NMR of compound **9o** (400 MHz, CDCl₃).

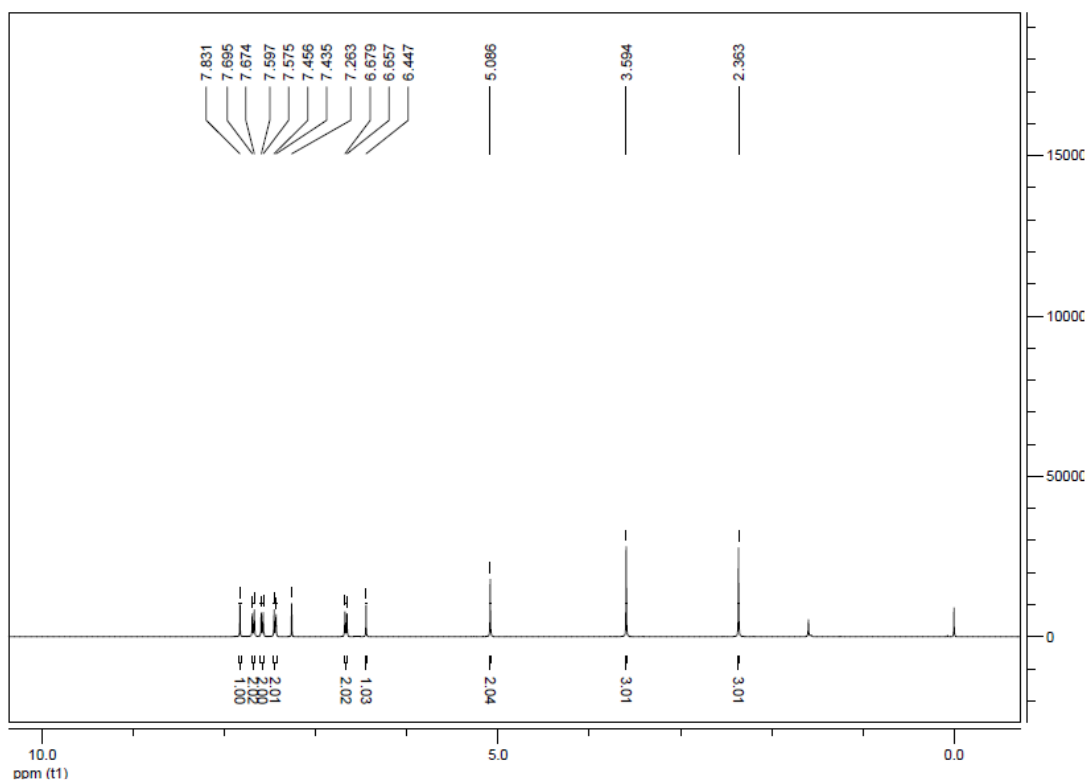


Figure S16. ¹H-NMR of compound **9p** (400 MHz, CDCl₃).

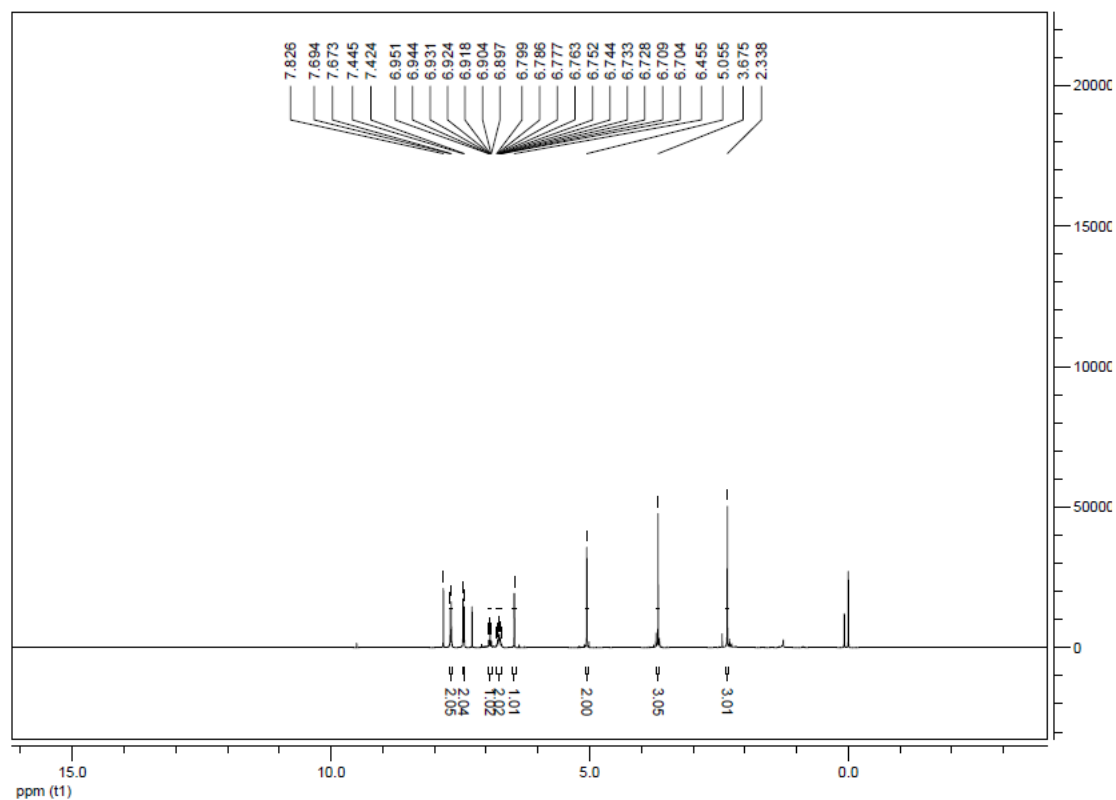


Figure S17. ¹H-NMR of compound **9q** (400 MHz, CDCl₃).

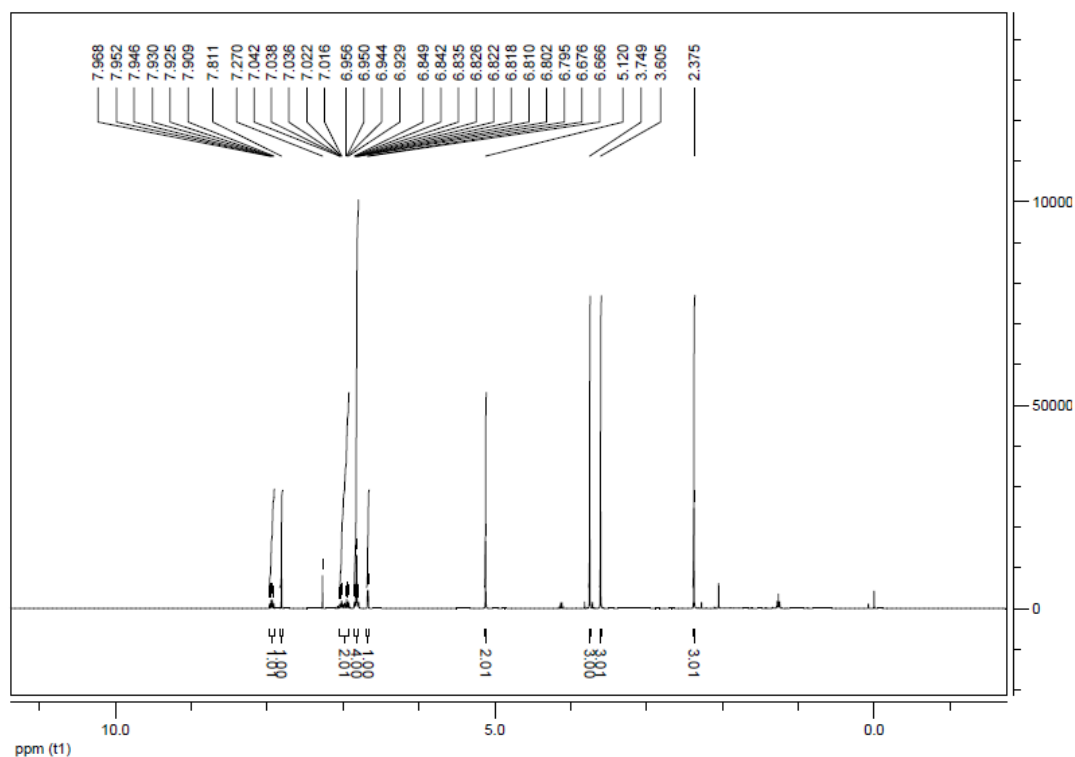


Figure S18. ¹H-NMR of compound **9r** (400 MHz, CDCl₃).

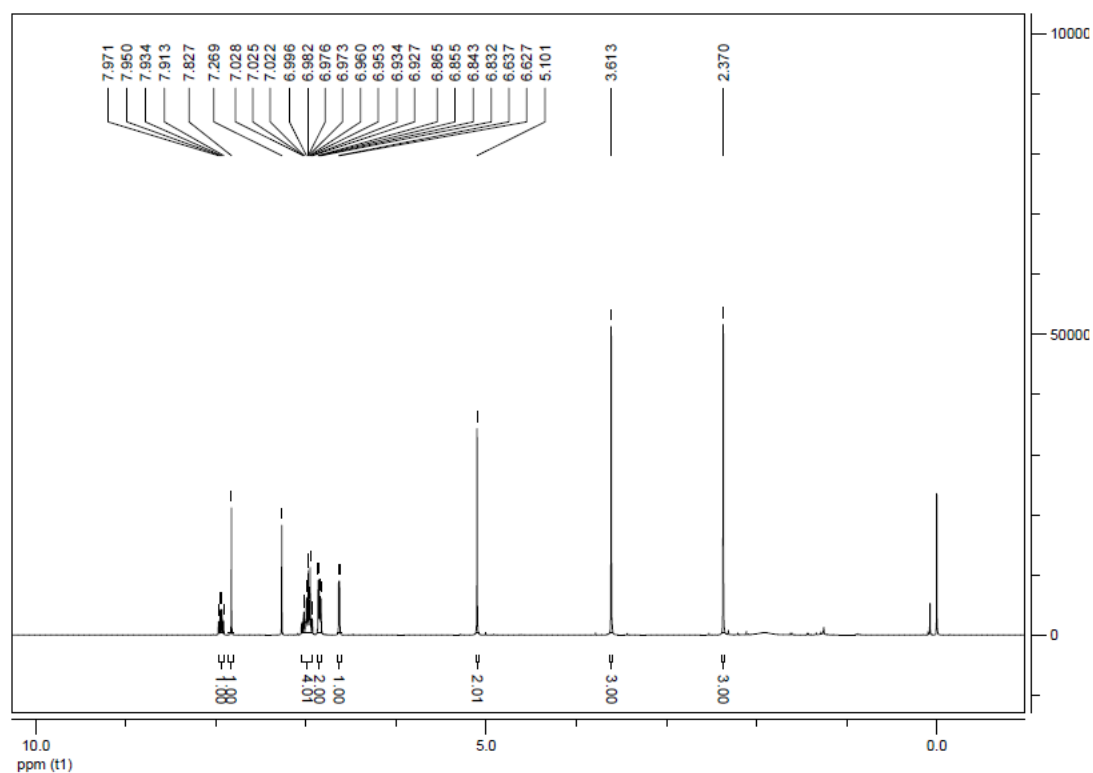


Figure S19. ¹H-NMR of compound **9s** (400 MHz, CDCl₃).

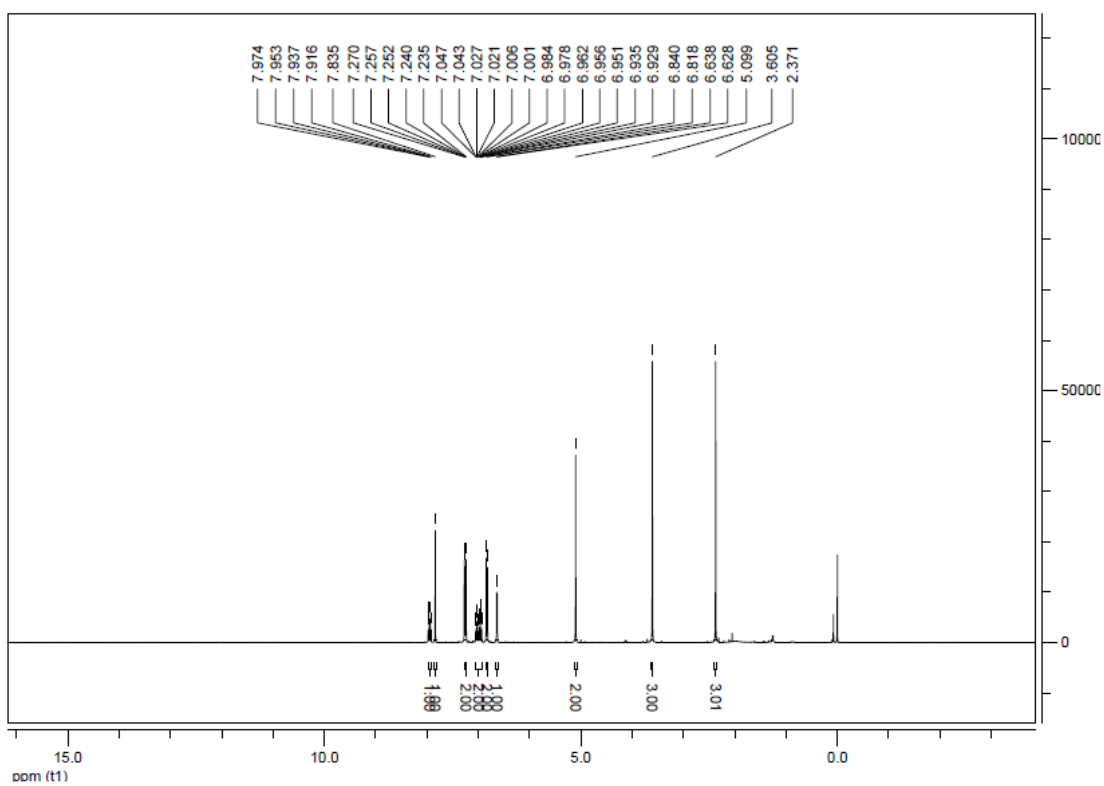


Figure S20. ¹H-NMR of compound **9t** (400 MHz, CDCl₃).

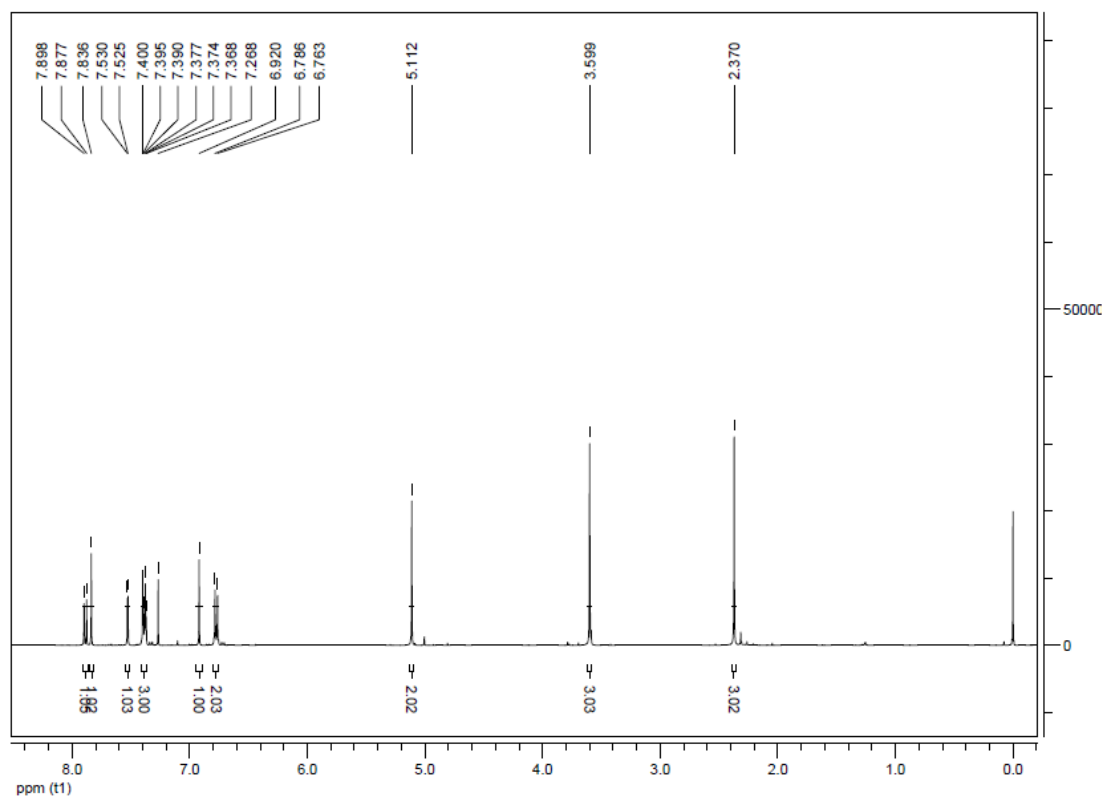


Figure S21. ¹H-NMR of compound **9u** (400 MHz, CDCl₃).

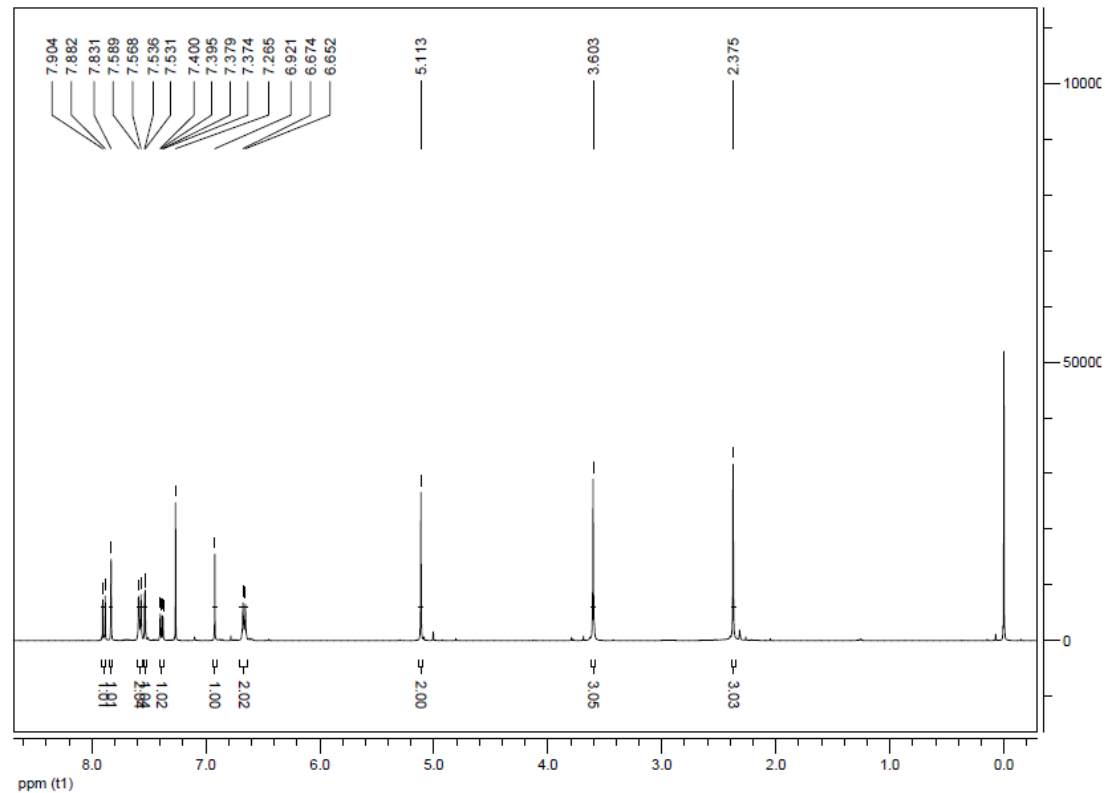


Figure S22. ¹H-NMR of compound **9v** (400 MHz, CDCl₃).

12

[illegible]

13

[illegible]

14

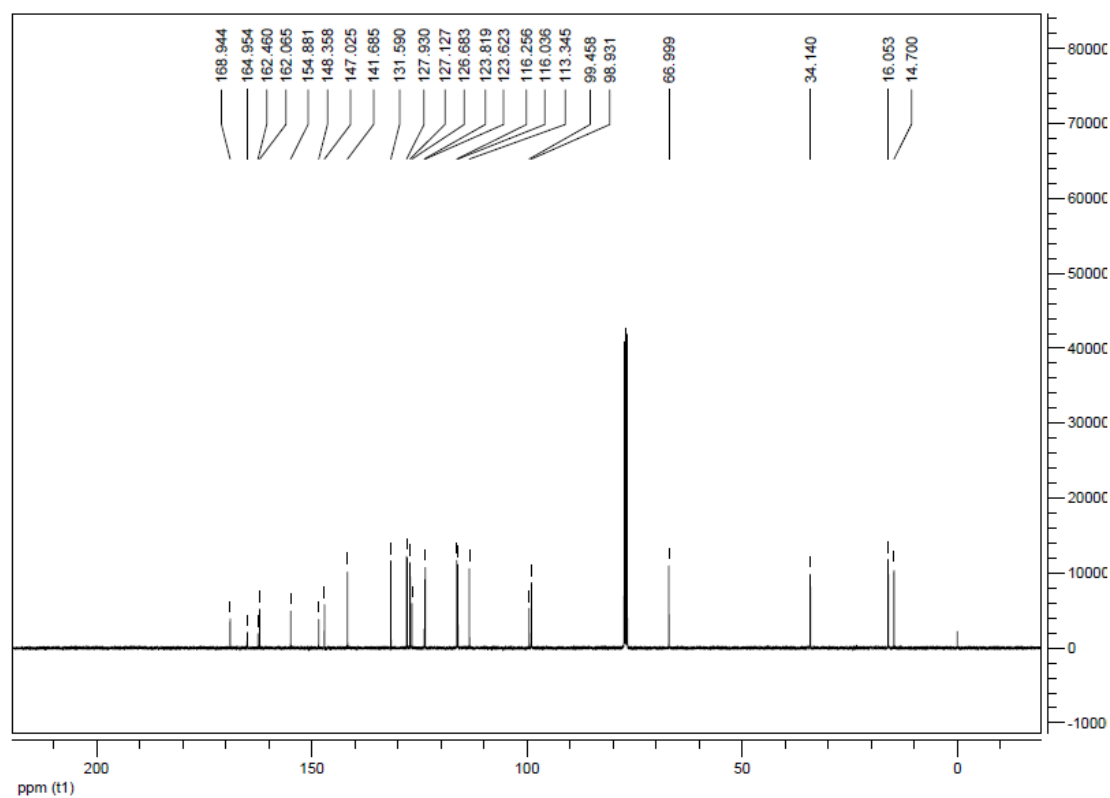


Figure S29. ^{13}C -NMR of compound **9a** (100 MHz, CDCl_3).

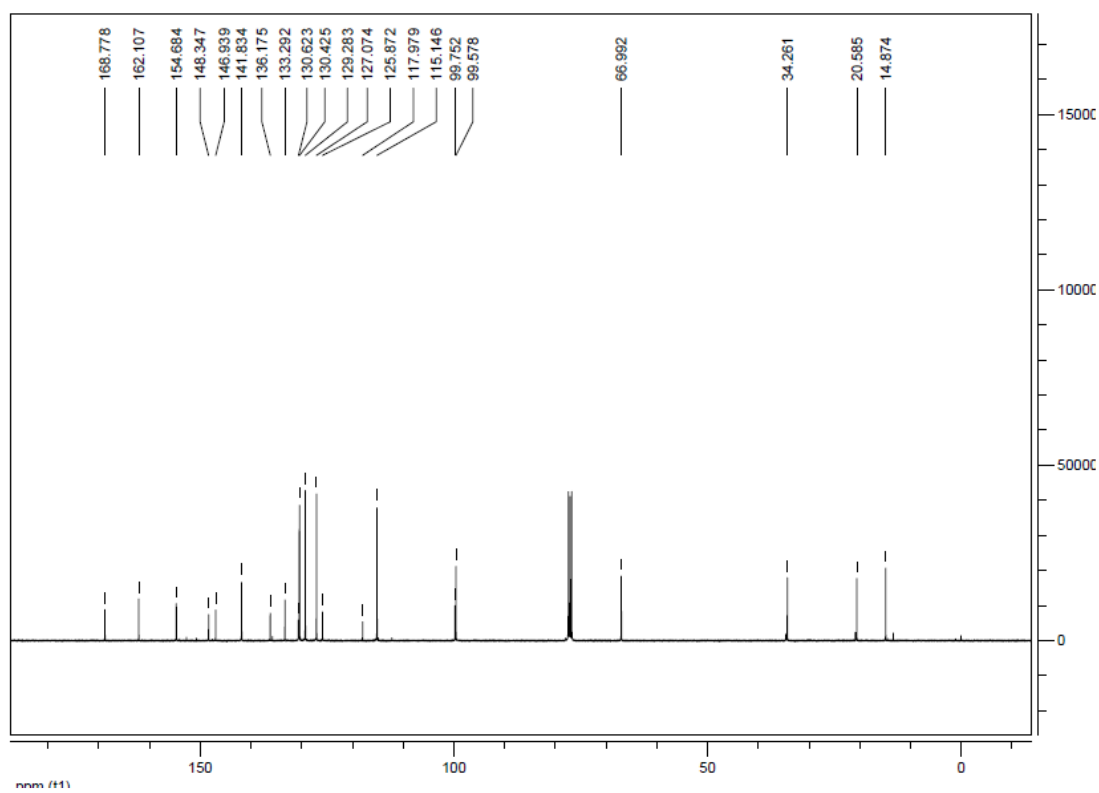


Figure S30. ^{13}C -NMR of compound **9b** (100 MHz, CDCl_3).

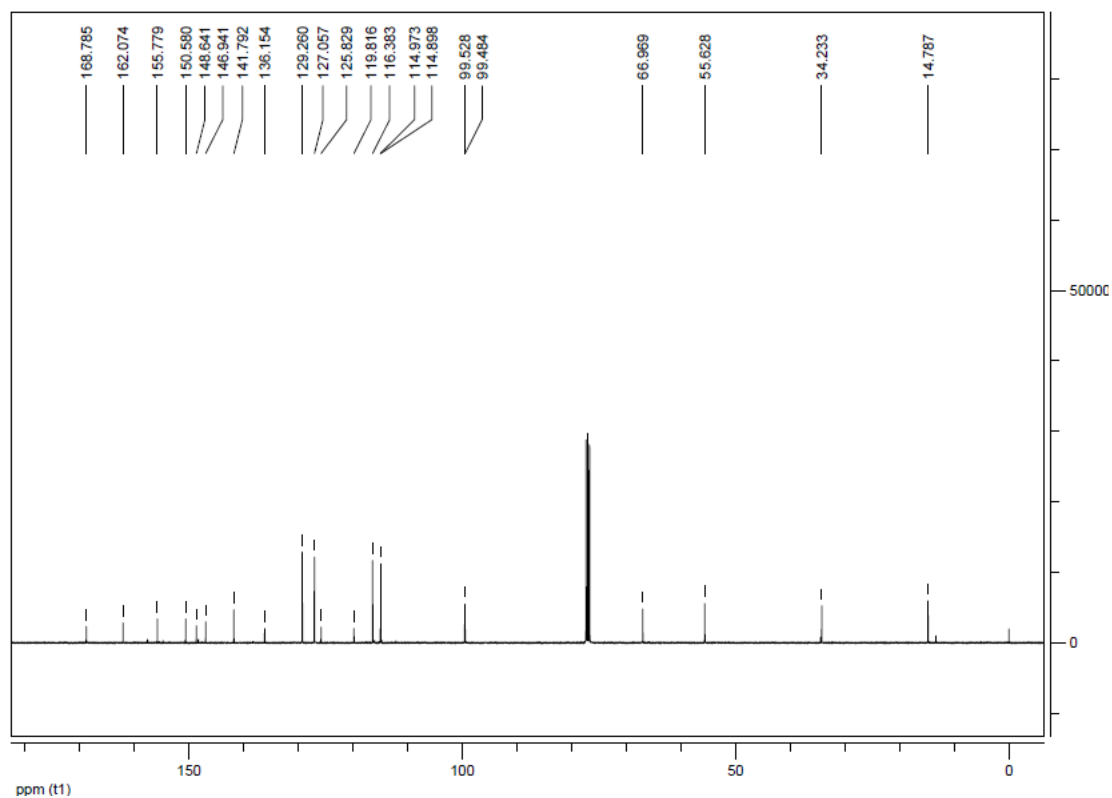


Figure S31. ^{13}C -NMR of compound **9c** (100 MHz, CDCl_3).

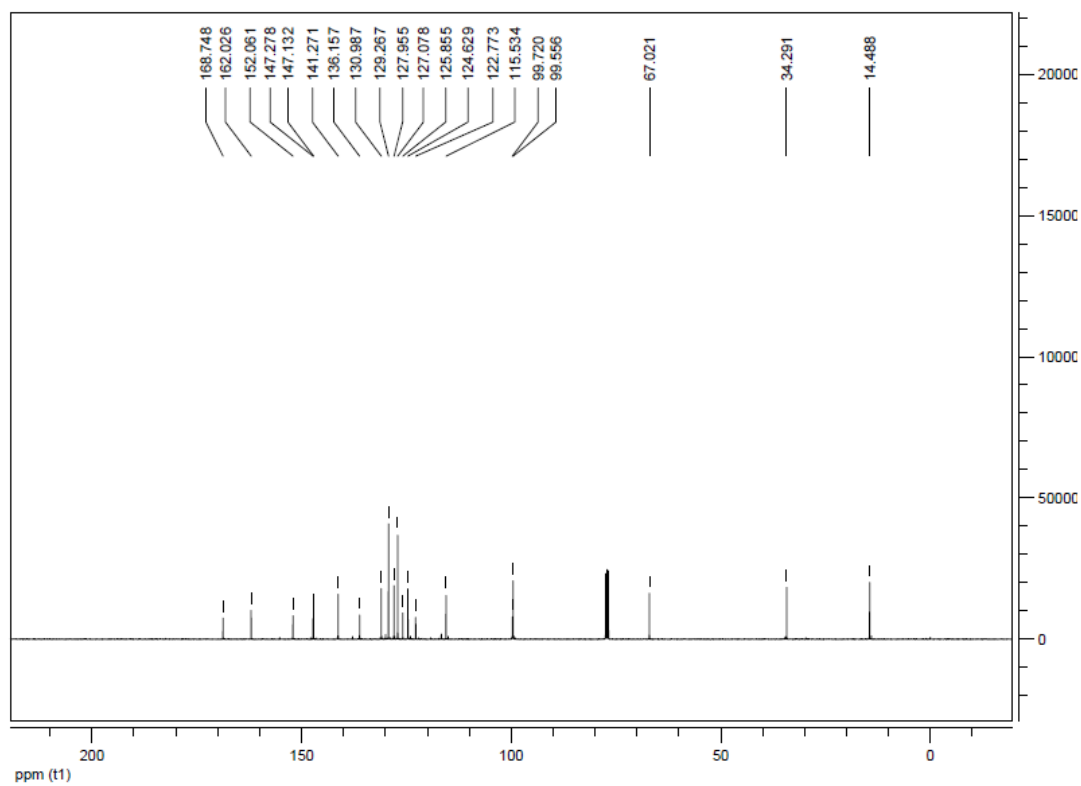


Figure S32. ^{13}C -NMR of compound **9d** (100 MHz, CDCl_3).

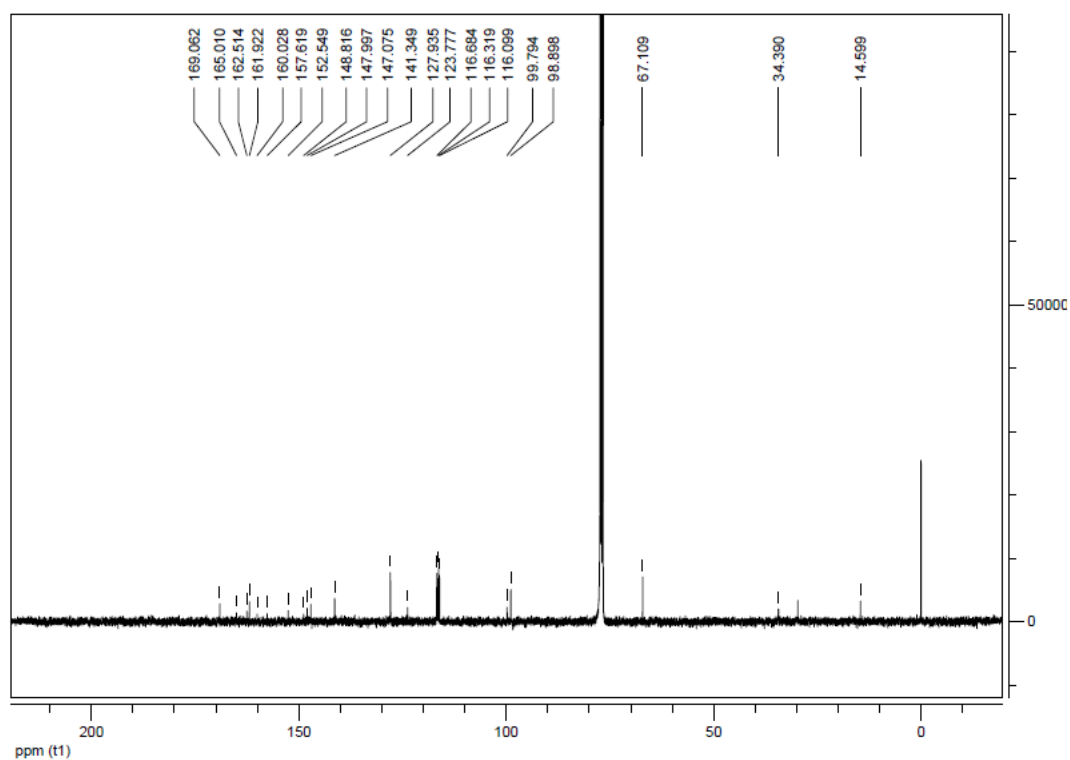


Figure S33. ^{13}C -NMR of compound **9e** (100 MHz, CDCl_3).

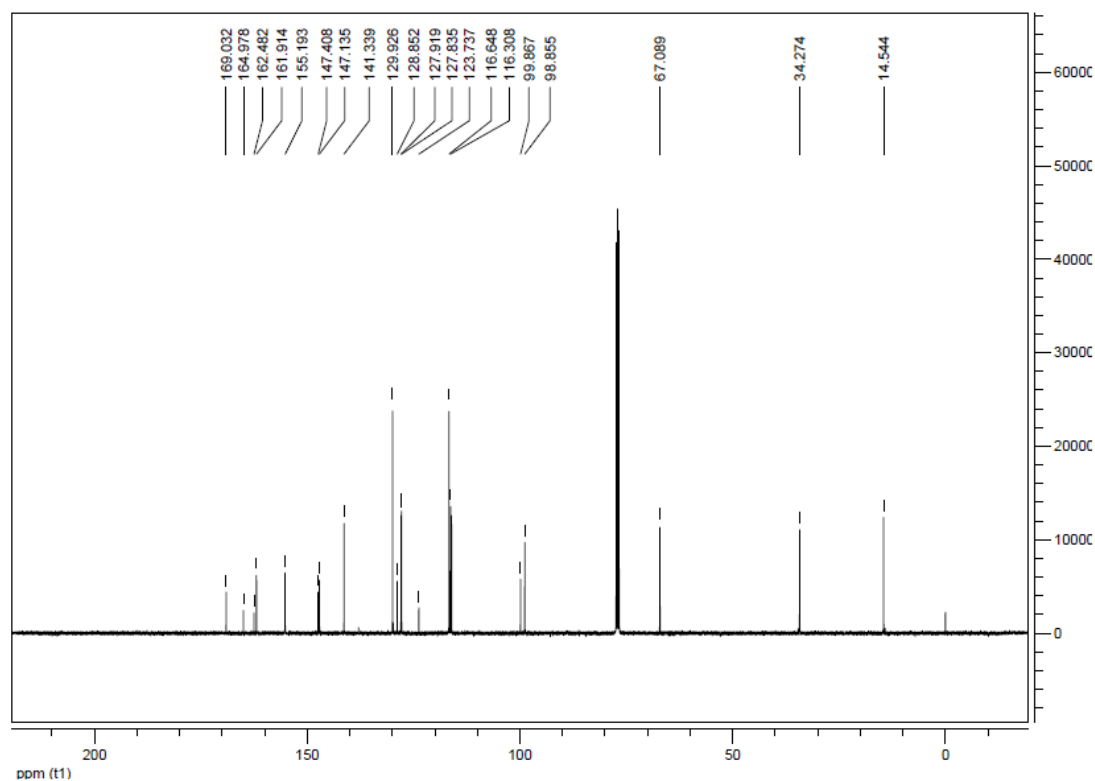


Figure S34. ^{13}C -NMR of compound **9f** (100 MHz, CDCl_3).

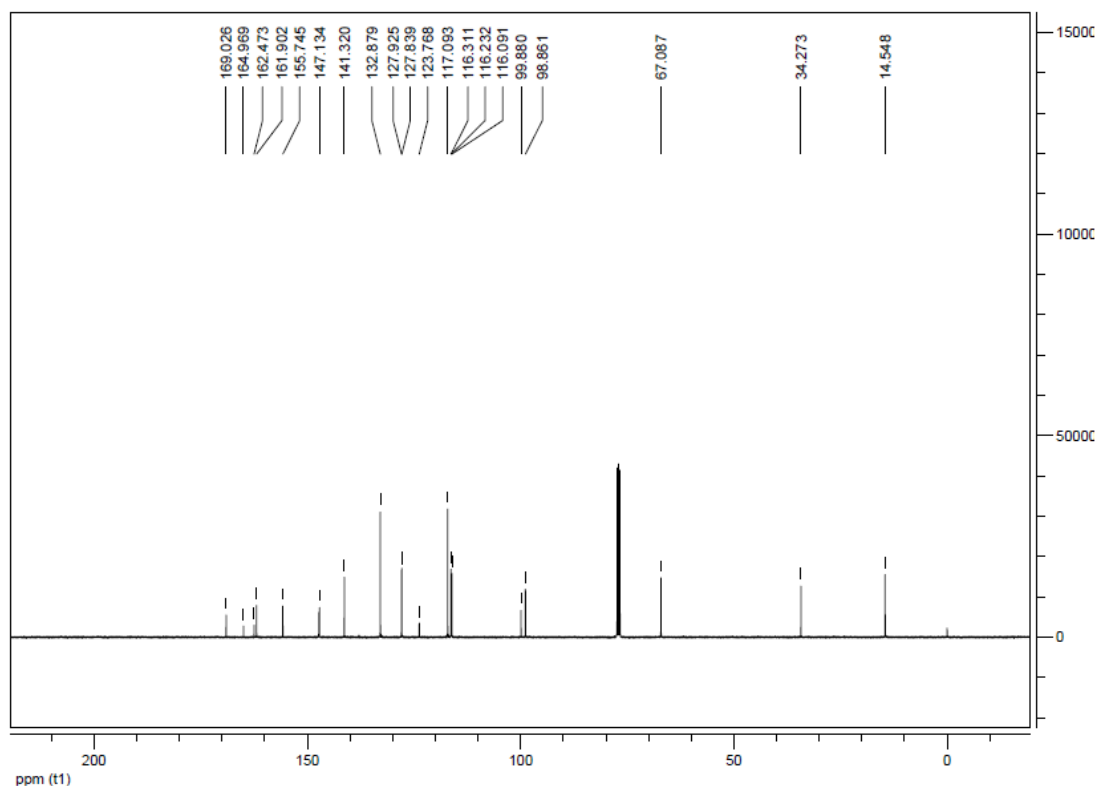


Figure S35. ¹³C-NMR of compound **9g** (100 MHz, CDCl₃).

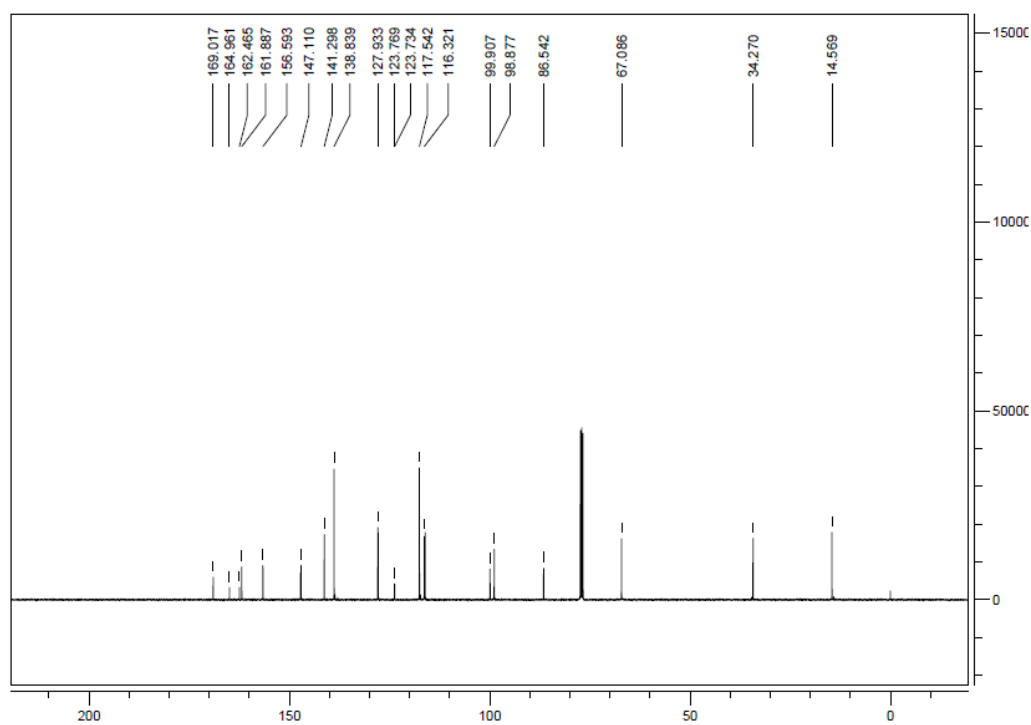


Figure S36. ¹³C-NMR of compound **9h** (100 MHz, CDCl₃).

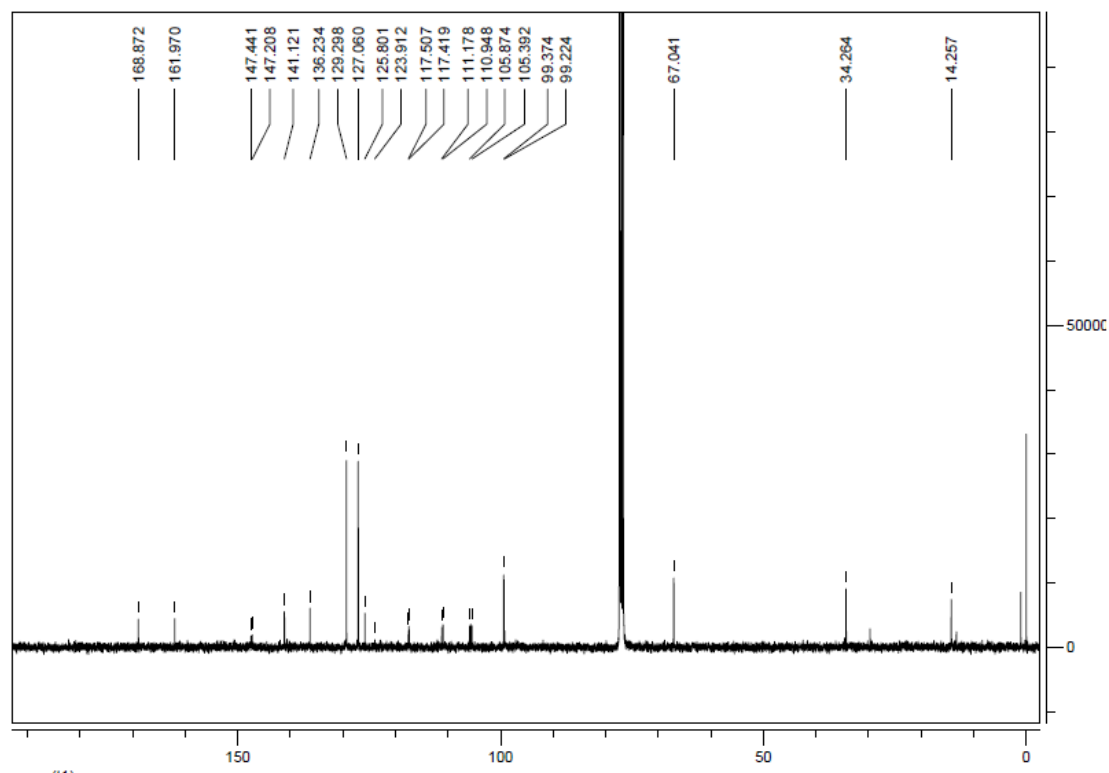


Figure S37. ¹³C-NMR of compound **9i** (100 MHz, CDCl₃).

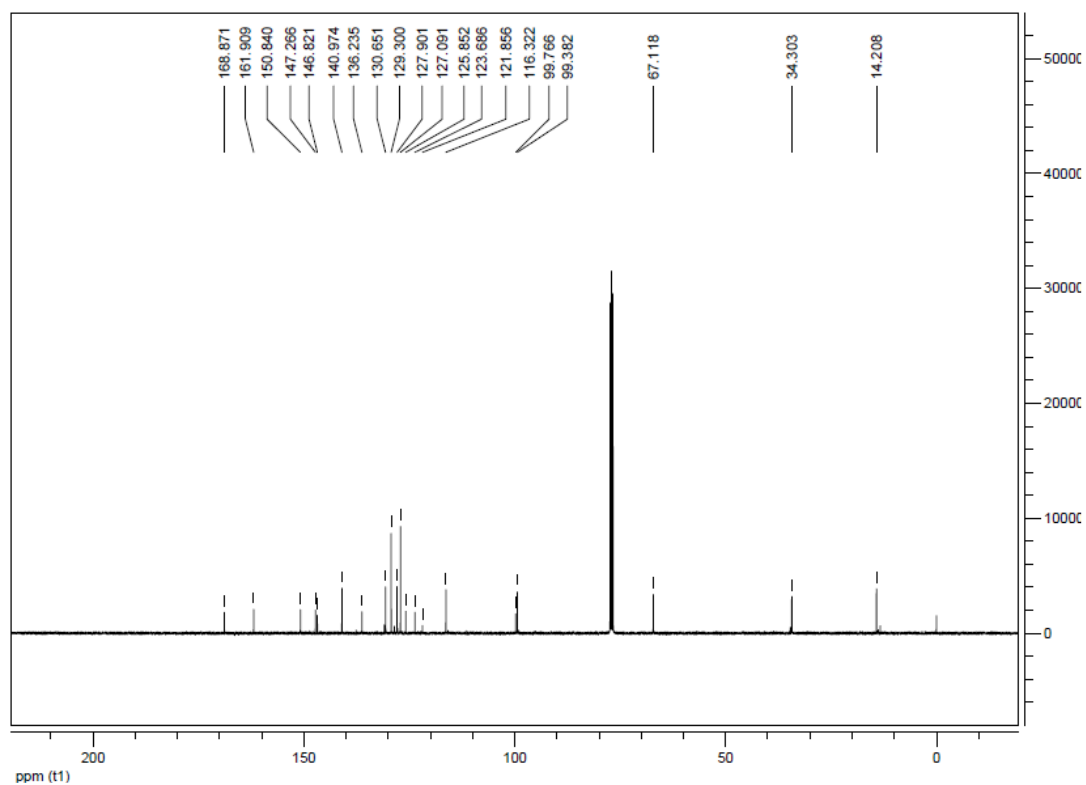


Figure S38. ¹³C-NMR of compound **9j** (100 MHz, CDCl₃).

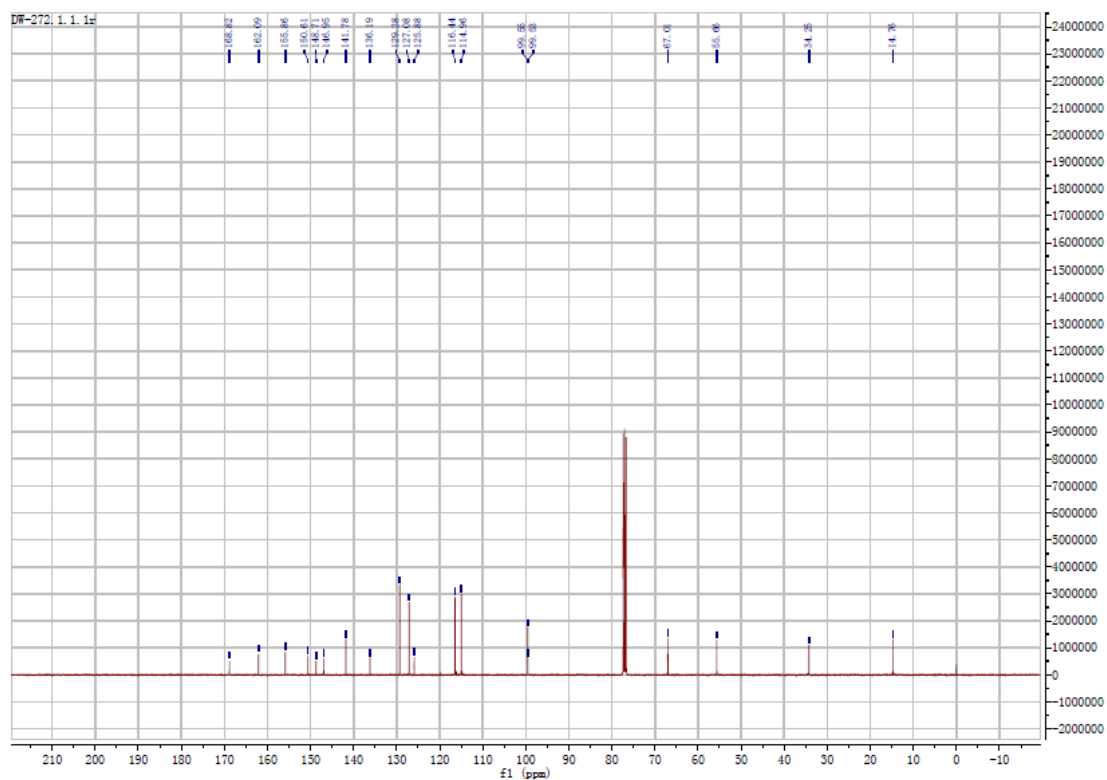


Figure S39. ¹³C-NMR of compound **9k** (100 MHz, CDCl₃).

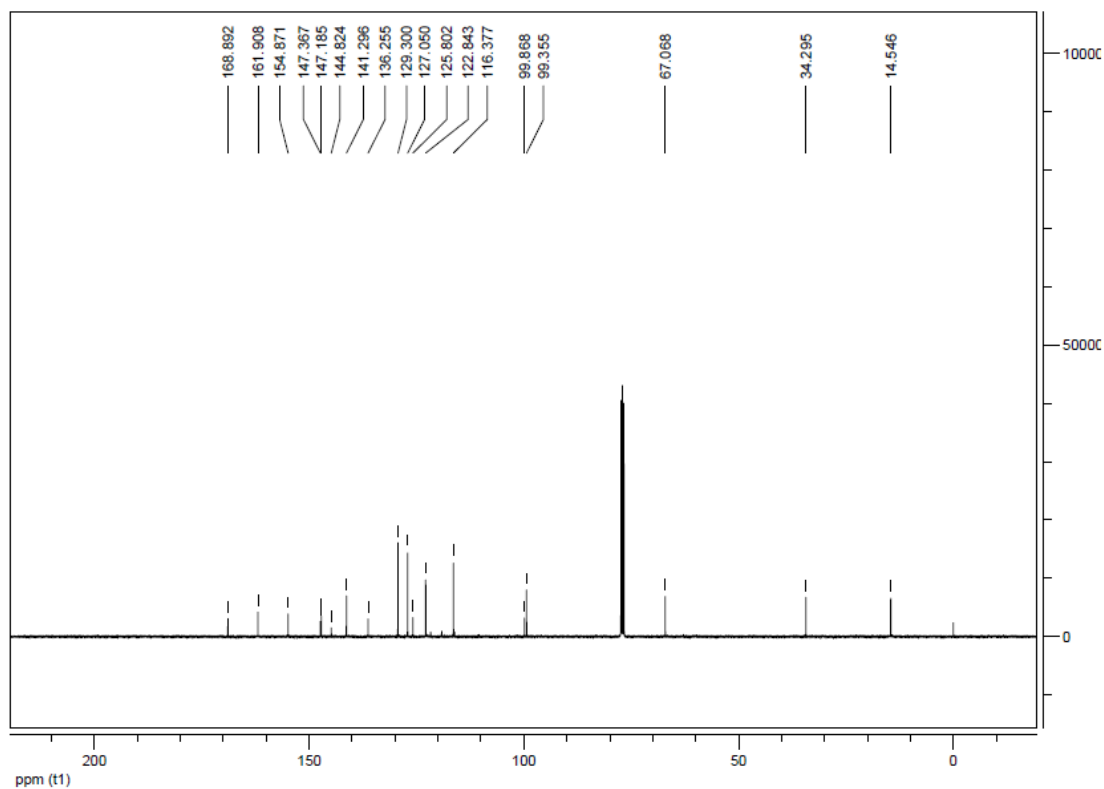


Figure S40. ¹³C-NMR of compound **9l** (100 MHz, CDCl₃).

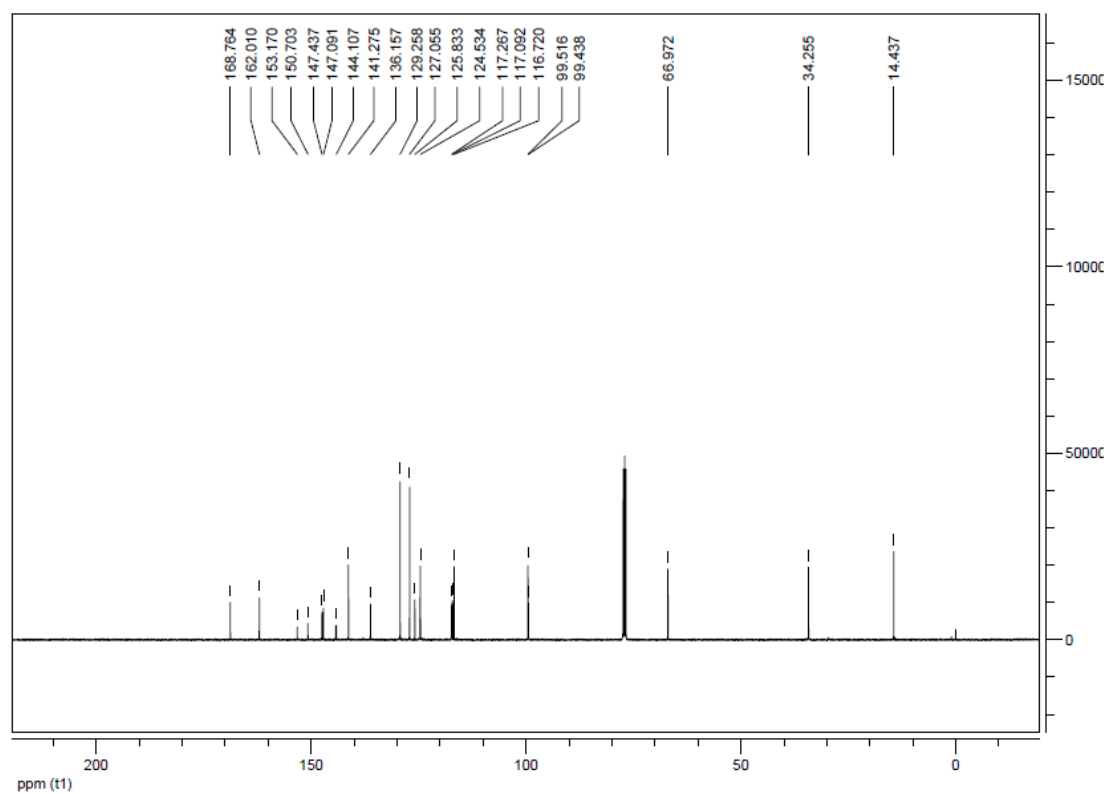


Figure S41. ^{13}C -NMR of compound **9m** (100 MHz, CDCl_3).

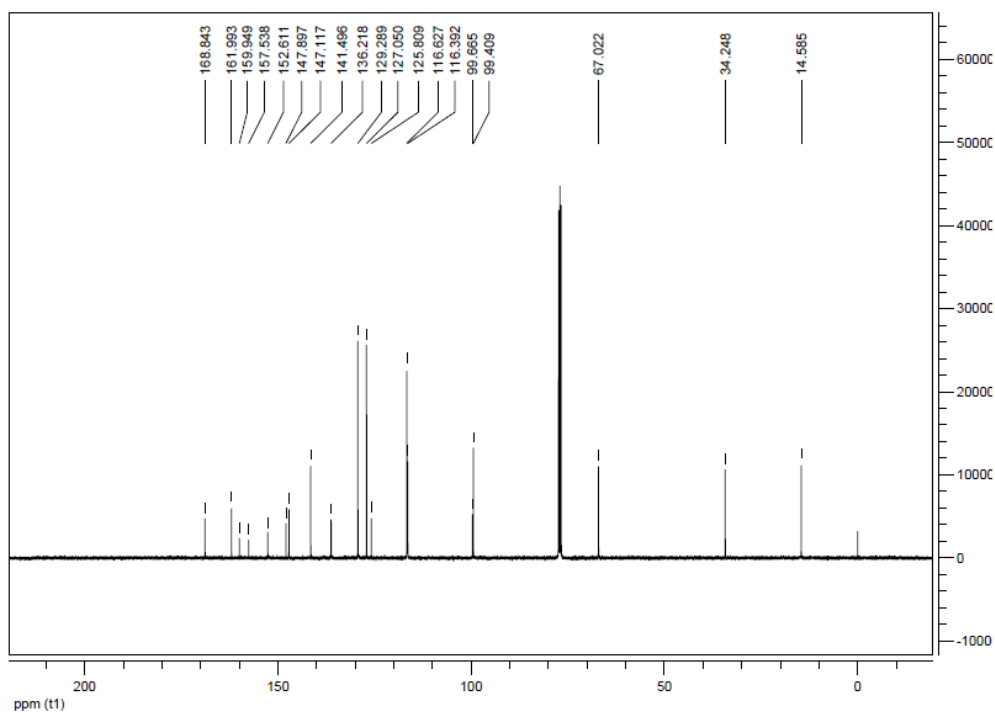


Figure S42. ^{13}C -NMR of compound **9n** (100 MHz, CDCl_3).

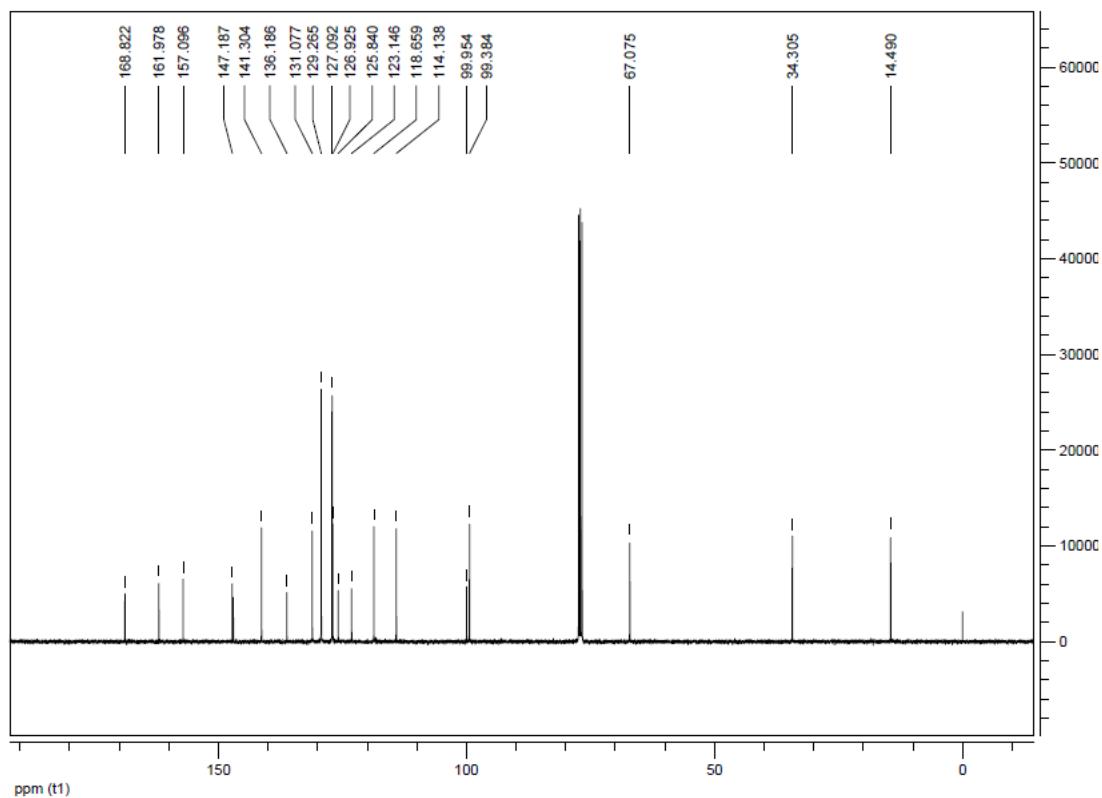


Figure S43. ¹³C-NMR of compound **9o** (100 MHz, CDCl₃).

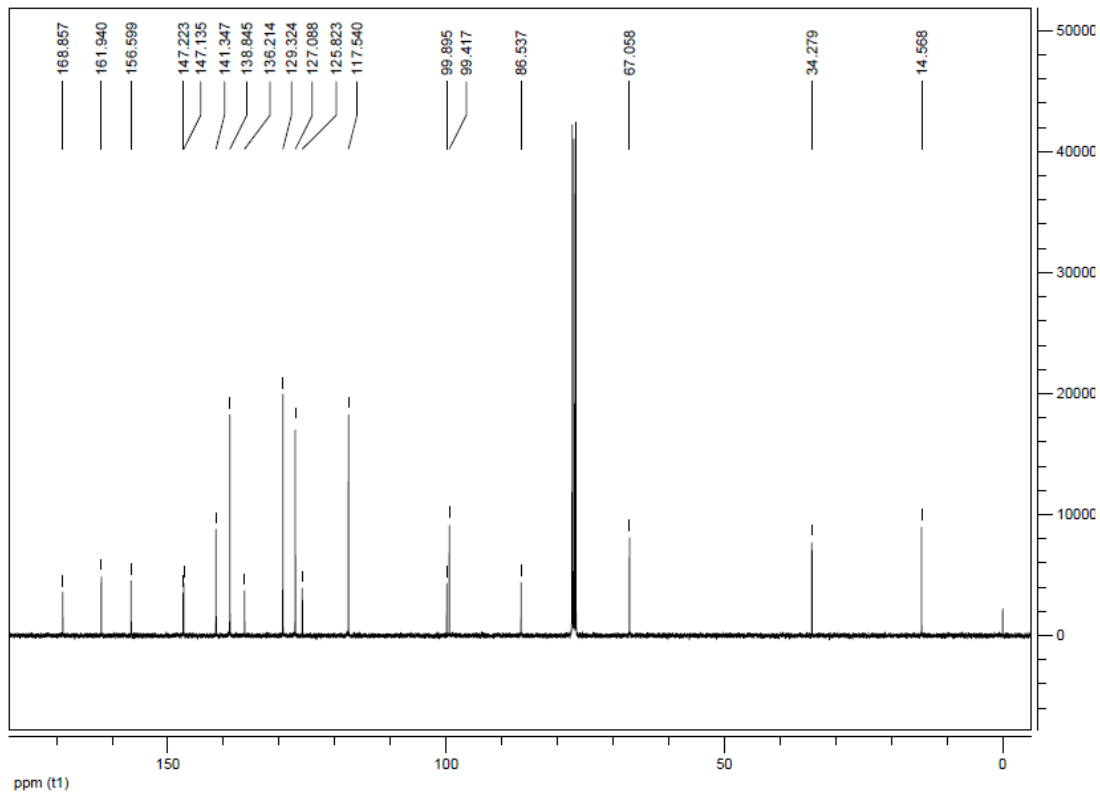


Figure S44. ¹³C-NMR of compound **9p** (100 MHz, CDCl₃).

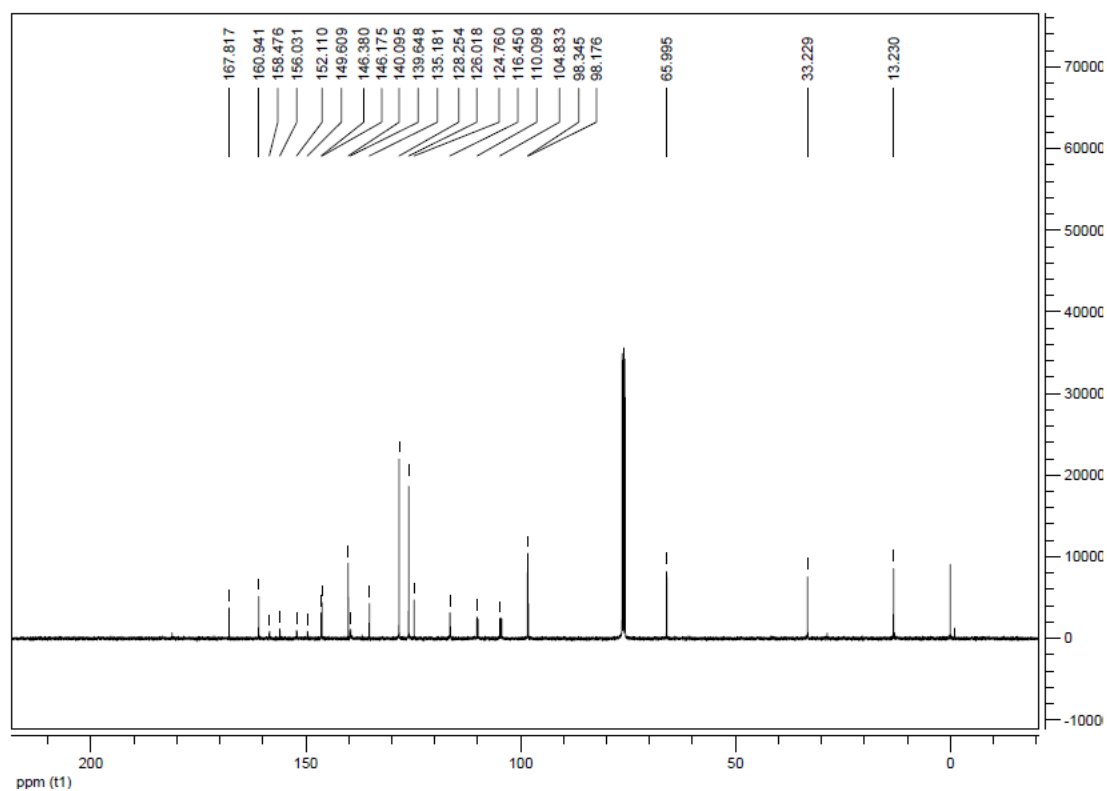


Figure S45. ¹³C-NMR of compound **9q** (100 MHz, CDCl₃).

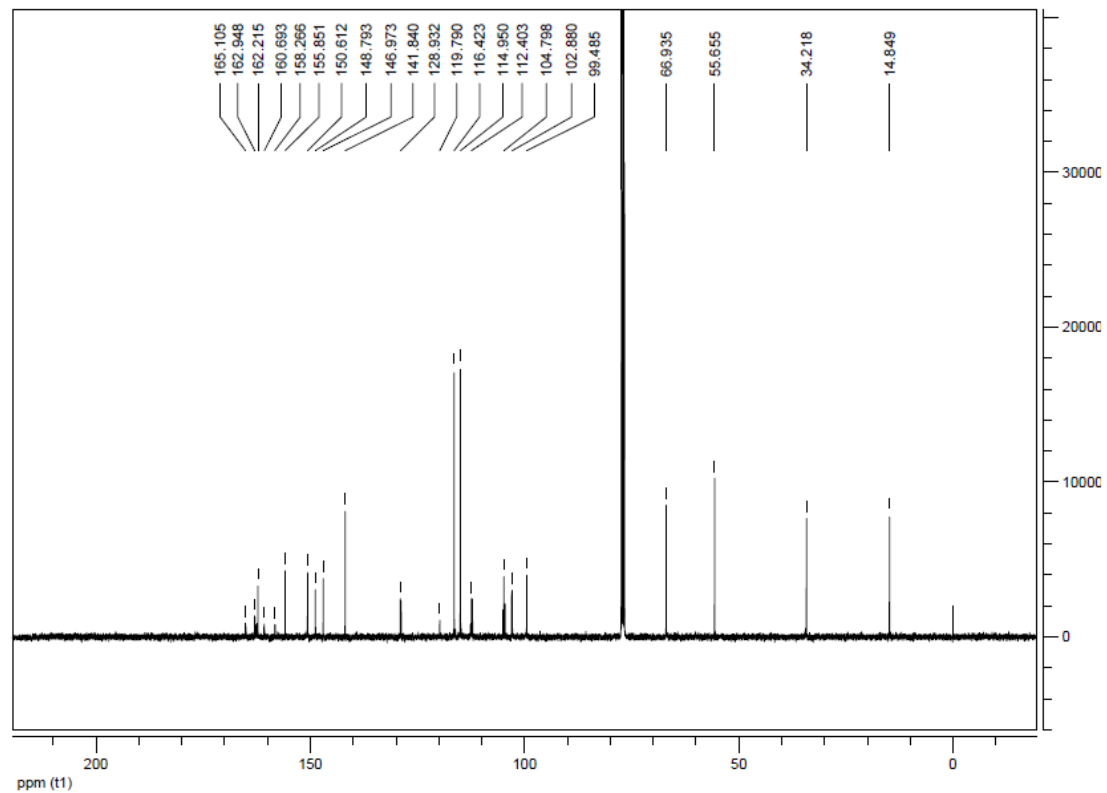


Figure S46. ¹³C-NMR of compound **9r** (100 MHz, CDCl₃).

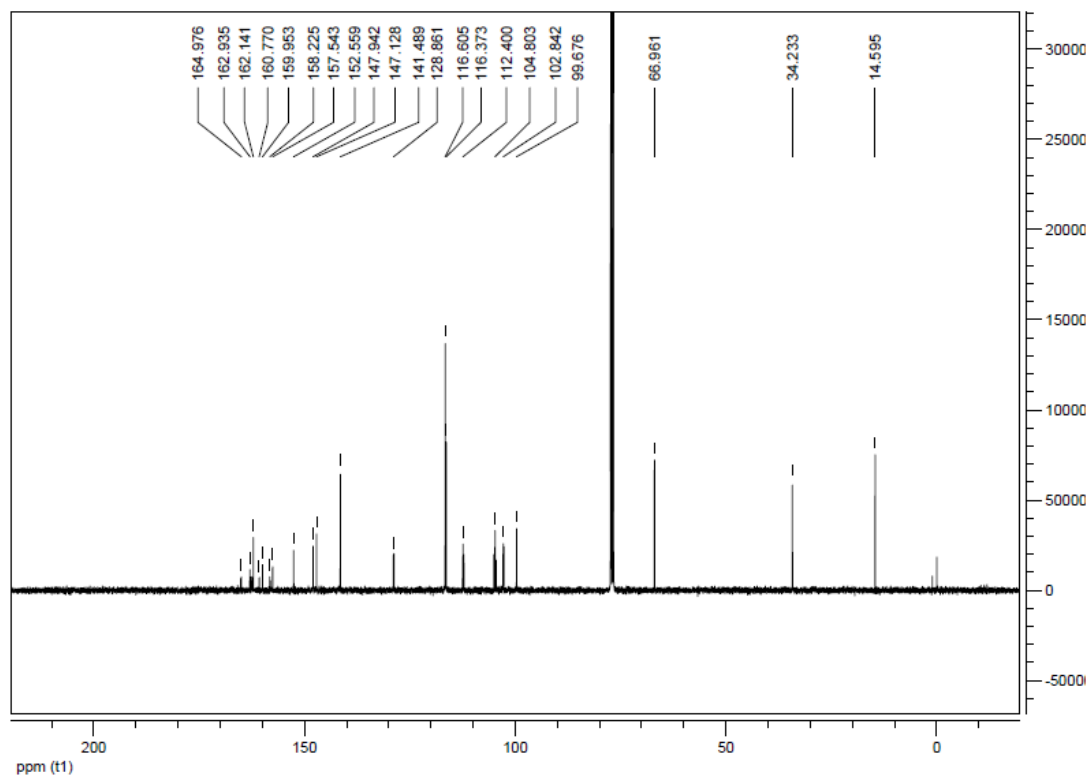


Figure S47. ¹³C-NMR of compound **9s** (100 MHz, CDCl₃).

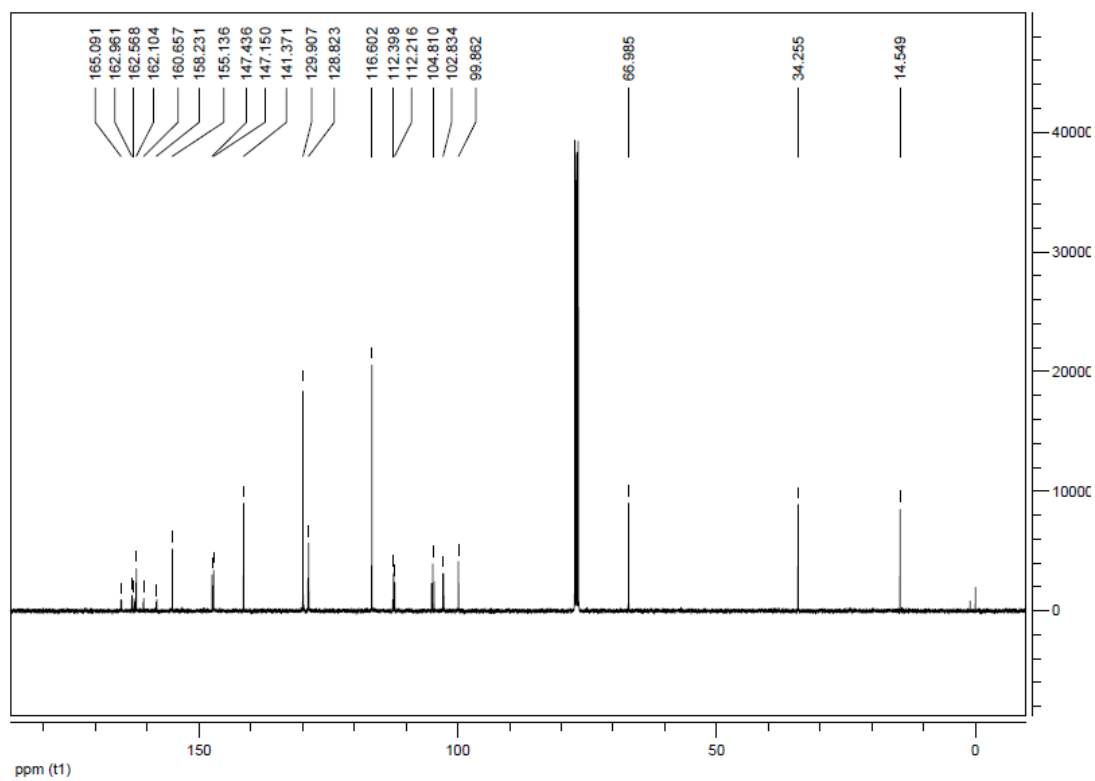


Figure S48. ¹³C-NMR of compound **9t** (100 MHz, CDCl₃).

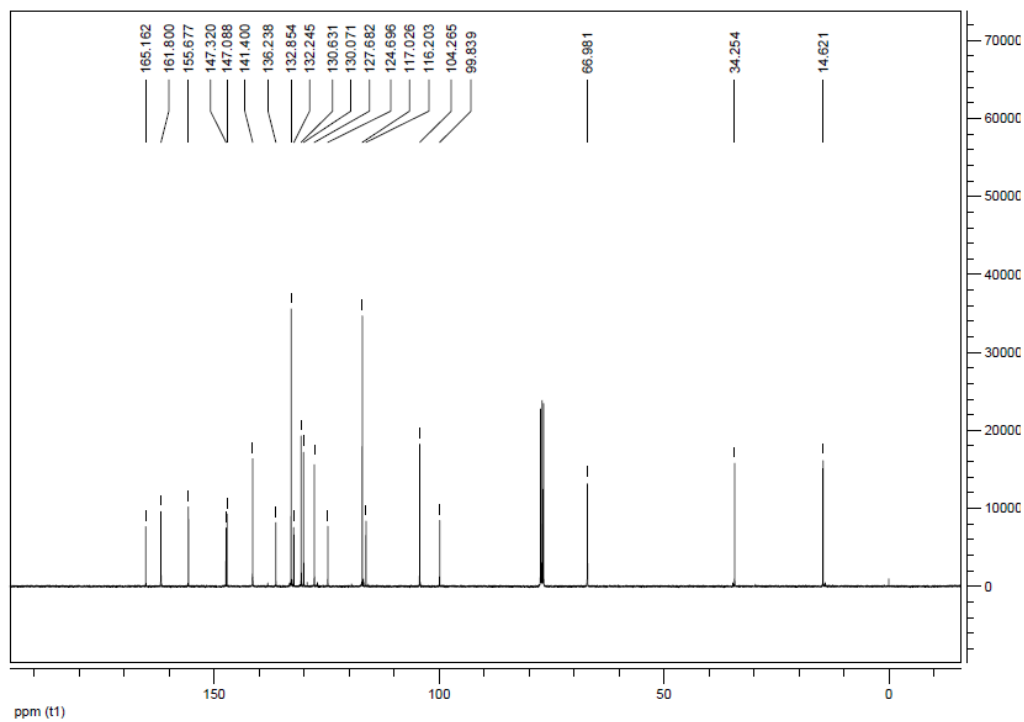


Figure S49. ^{13}C -NMR of compound **9u** (100 MHz, CDCl_3).

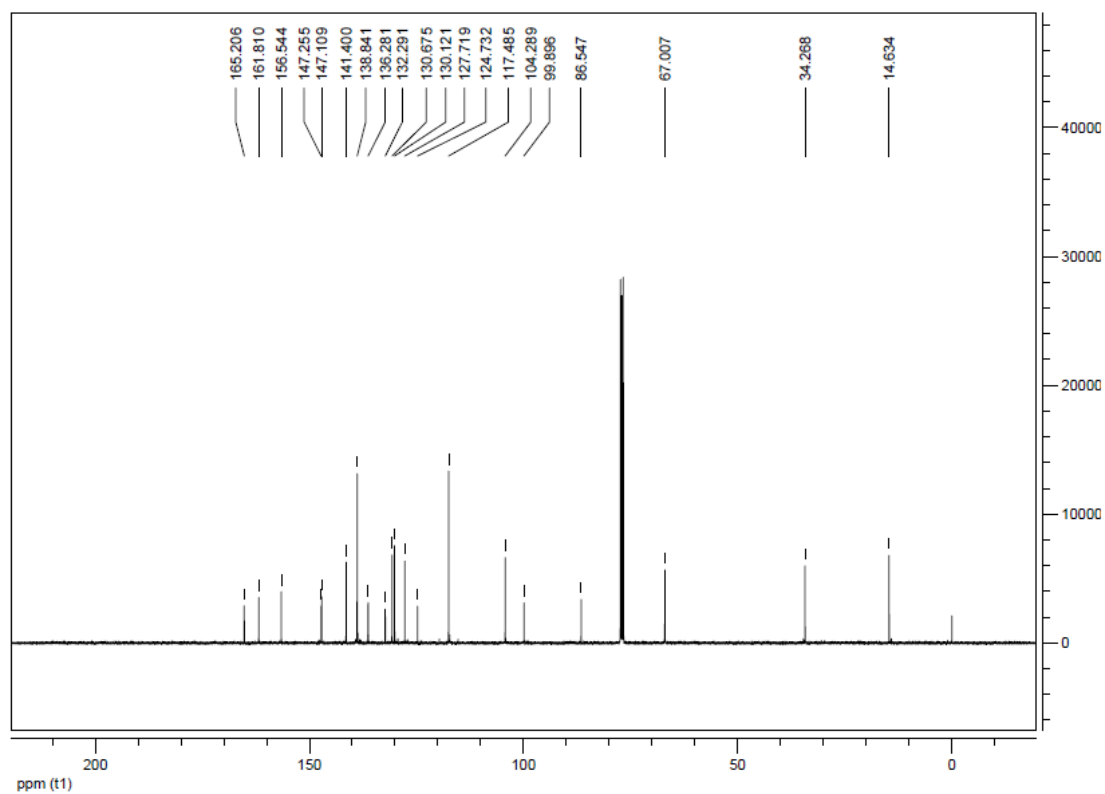


Figure S50. ^{13}C -NMR of compound **9v** (100 MHz, CDCl_3).

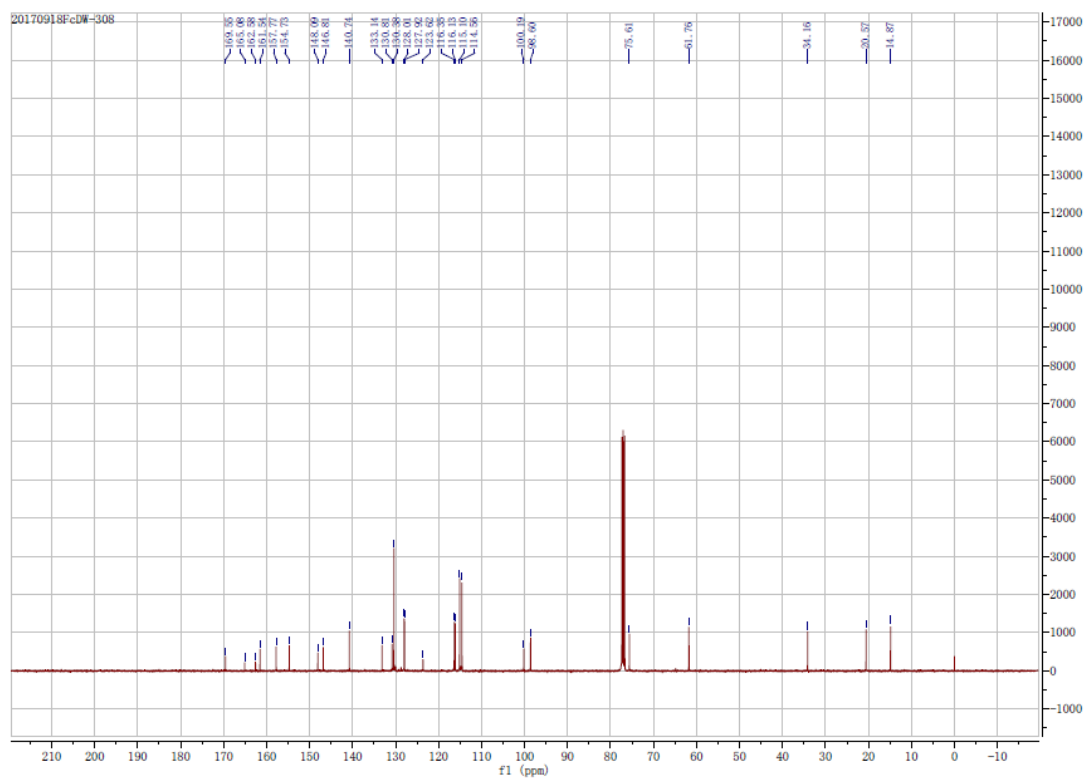


Figure S51. ¹³C-NMR of compound 13a (100 MHz, CDCl₃).

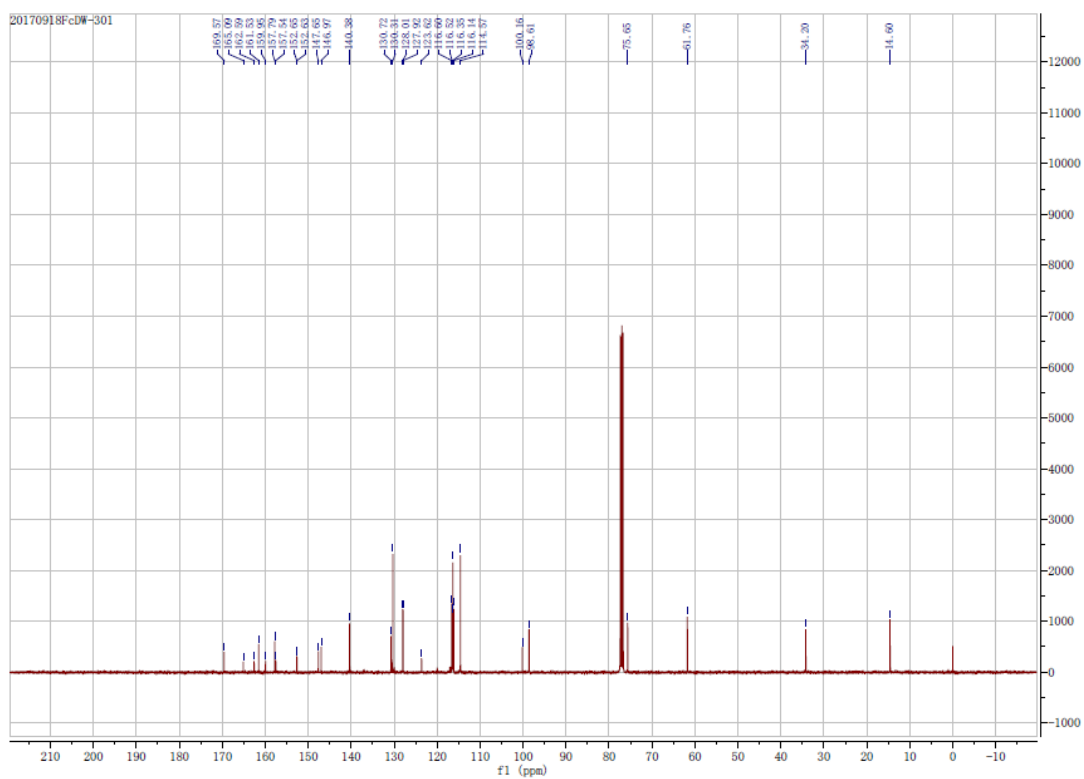


Figure S52. ¹³C-NMR of compound 13b (100 MHz, CDCl₃).

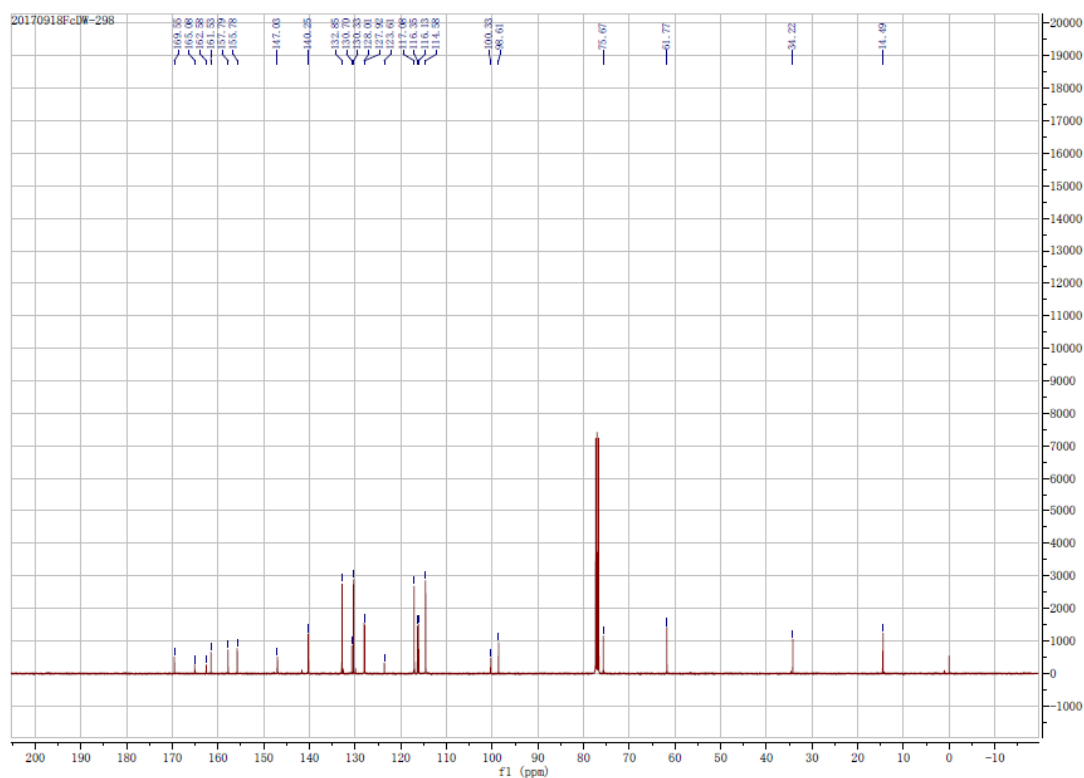


Figure S53. ^{13}C -NMR of compound **13c** (100 MHz, CDCl_3).

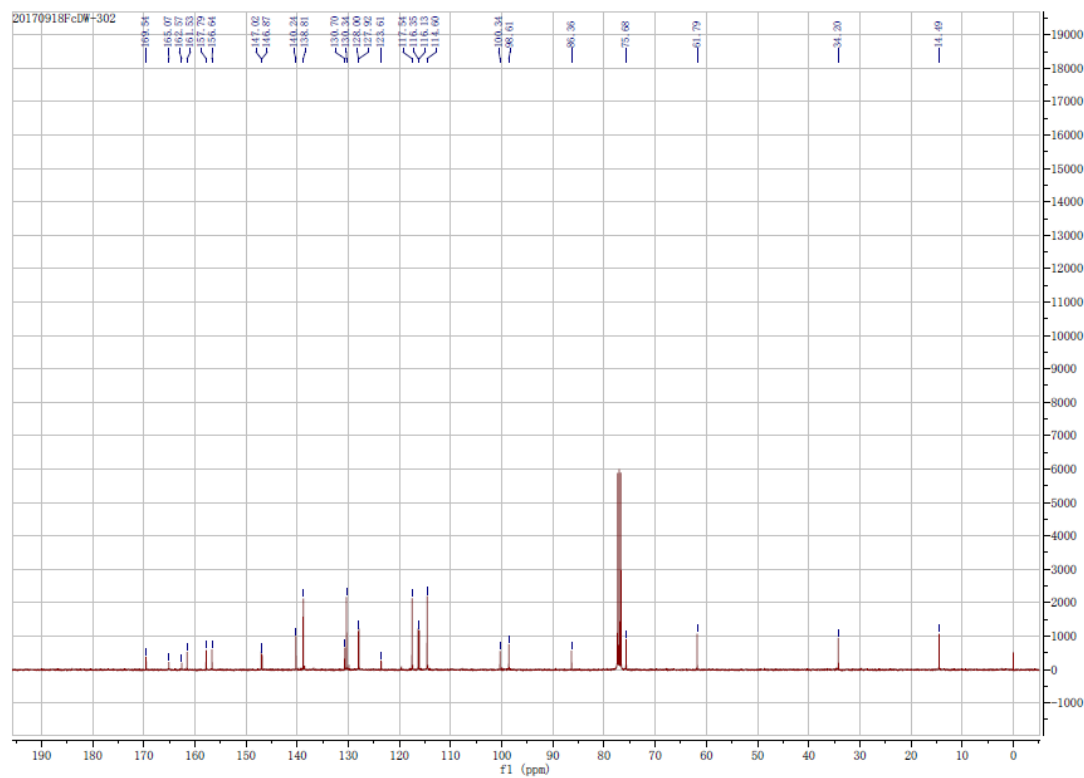


Figure S54. ^{13}C -NMR of compound **13d** (100 MHz, CDCl_3).

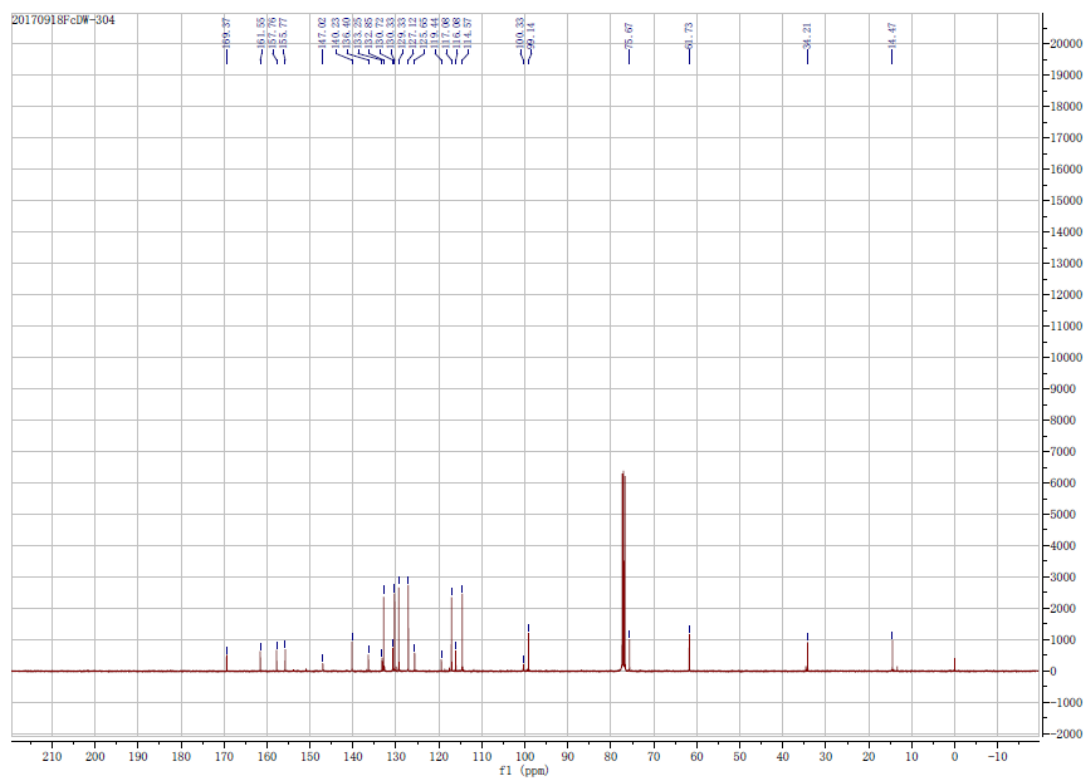


Figure S55. ^{13}C -NMR of compound **13e** (100 MHz, CDCl_3).

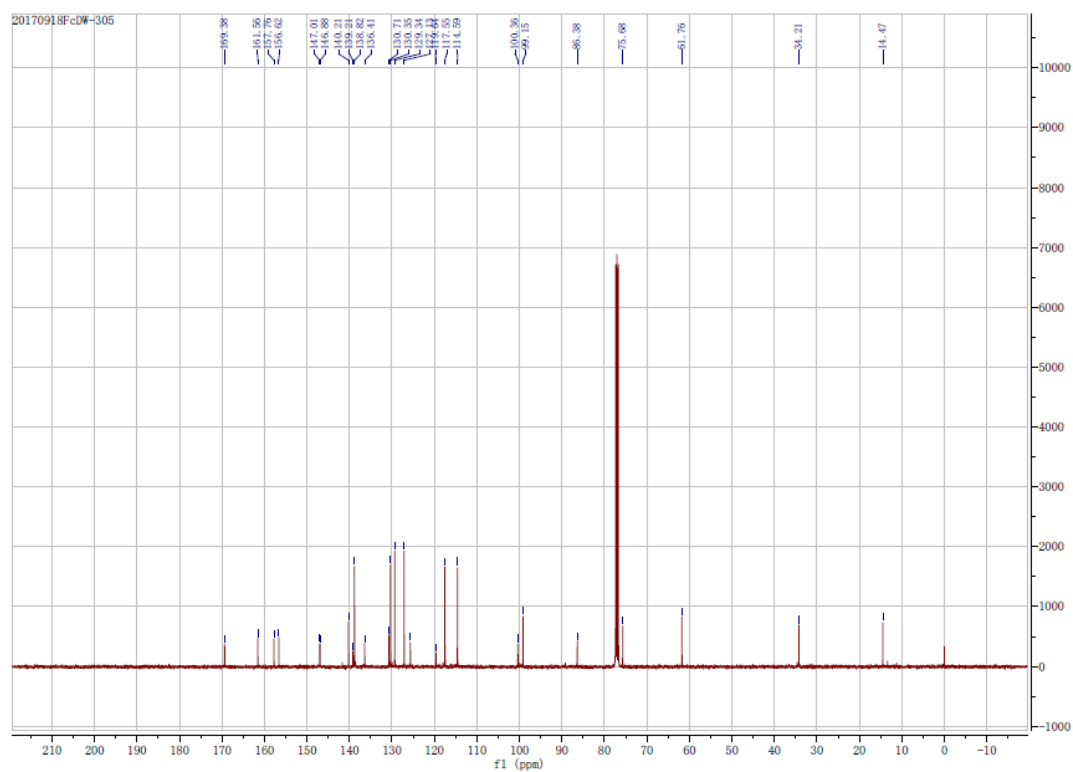


Figure S56. ^{13}C -NMR of compound **13f** (100 MHz, CDCl_3).