

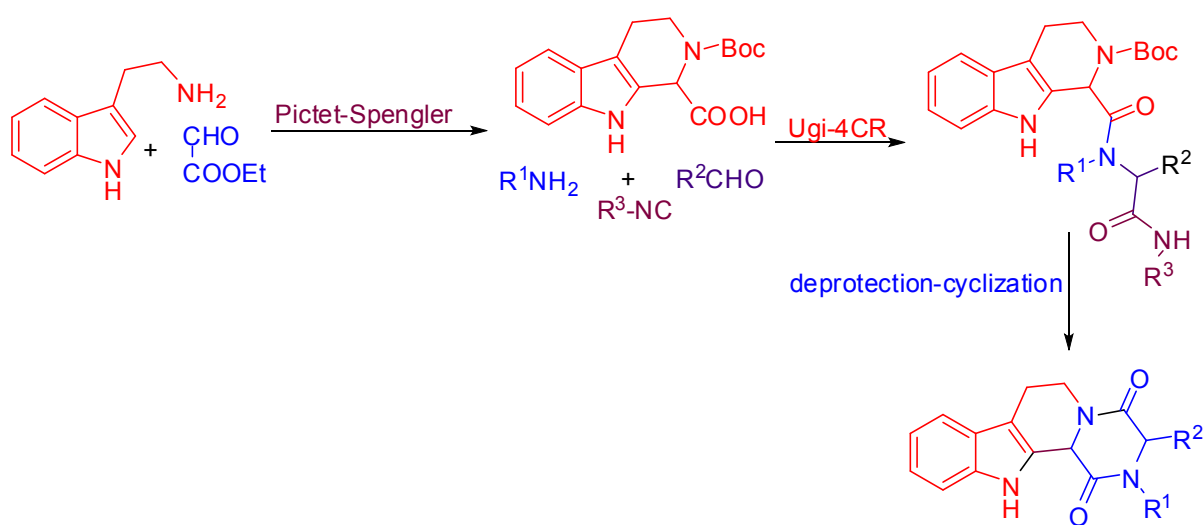
Supporting information

Diversity-oriented reconstruction of primitive diketopiperazine-fused tetrahydro- β -carboline ring system *via* Pictet-Spengler/Ugi-4CR/ deprotection-cyclization reactions

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Copies of ^1H and ^{13}C spectra of compounds:

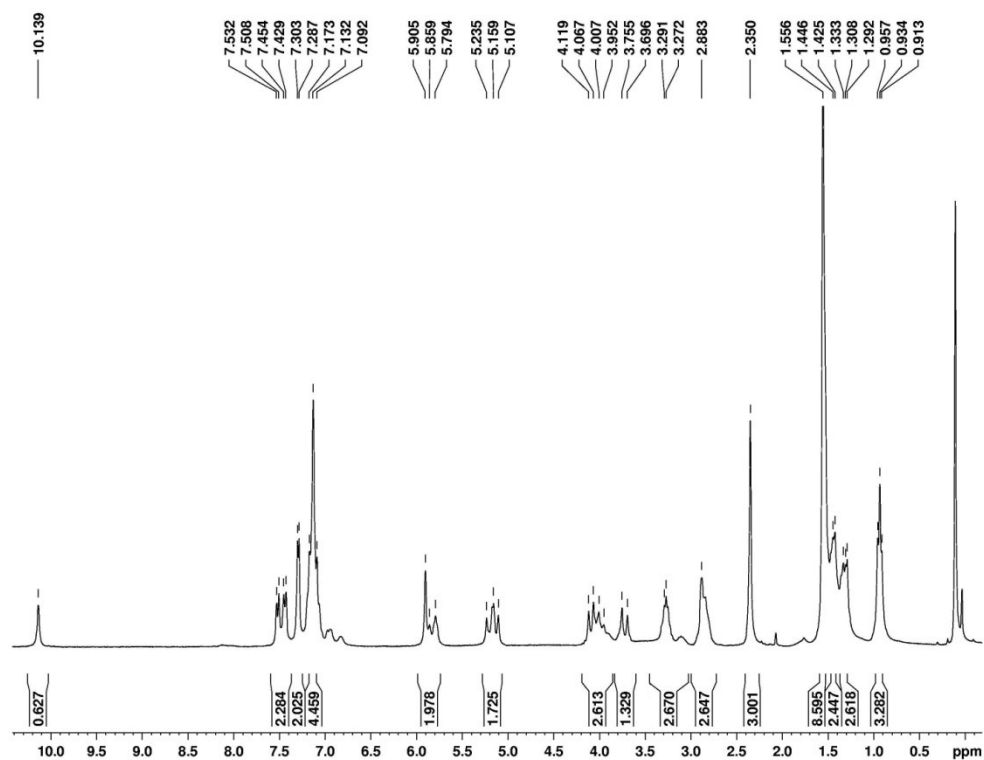


Fig. 1. ^1H spectra of Compound 14a

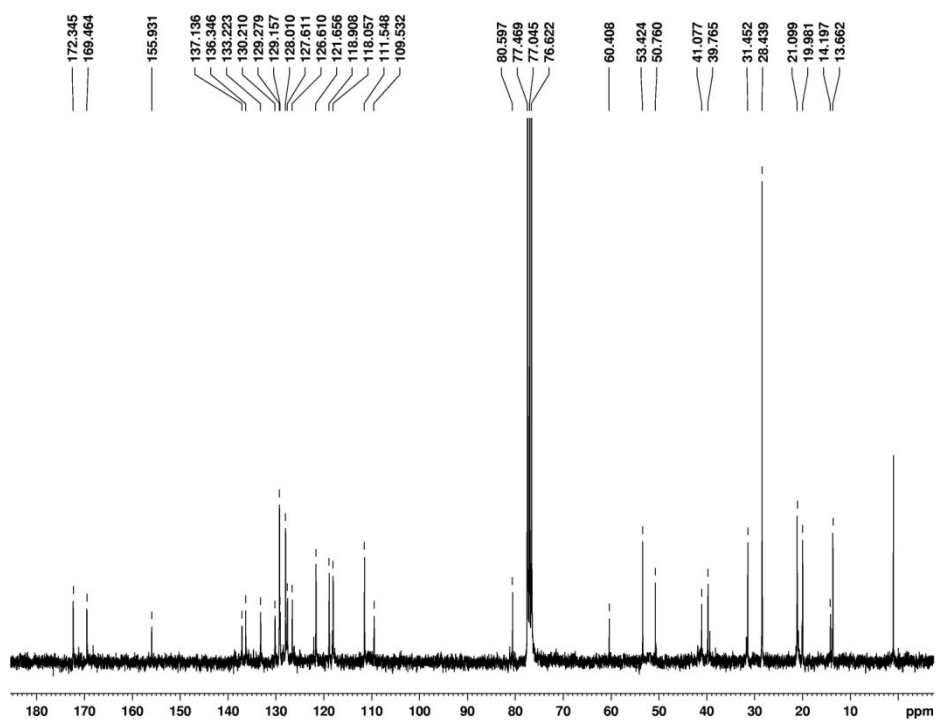


Fig. 2. ^{13}C spectra of Compound 14a

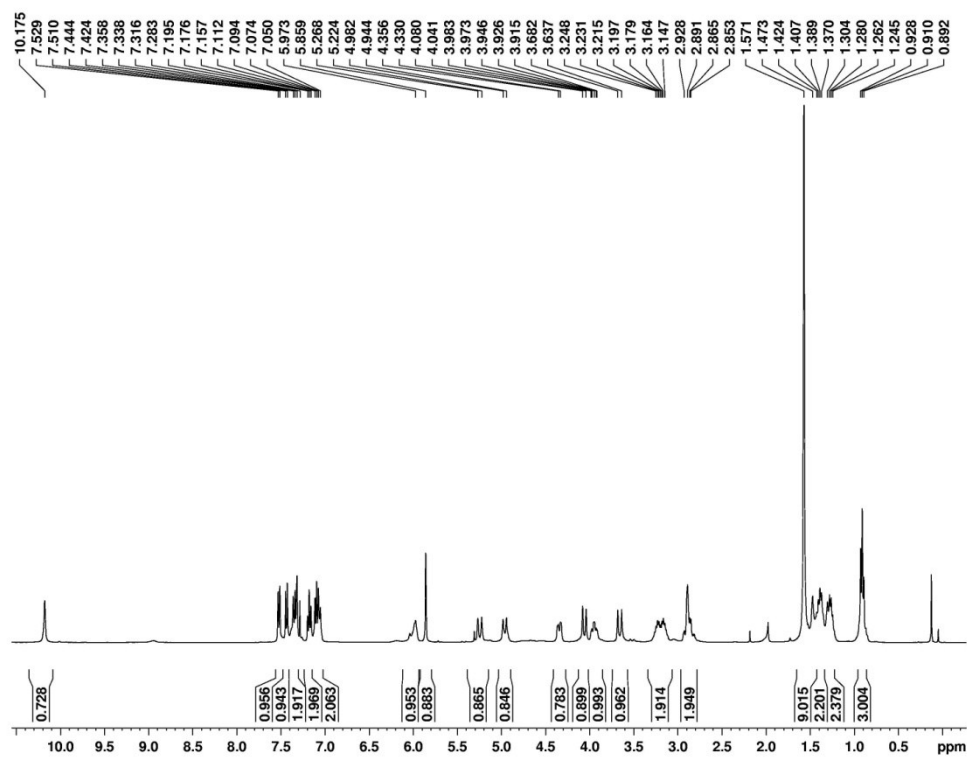


Fig. 3. ^1H spectra of Compound 14b

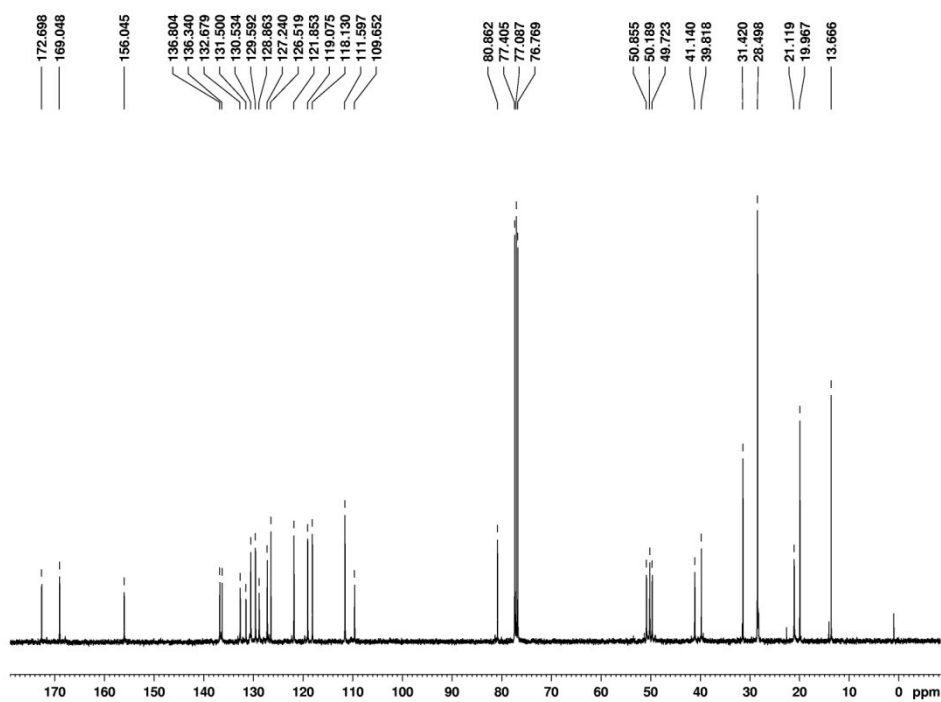


Fig. 4. ^{13}C spectra of Compound 14b

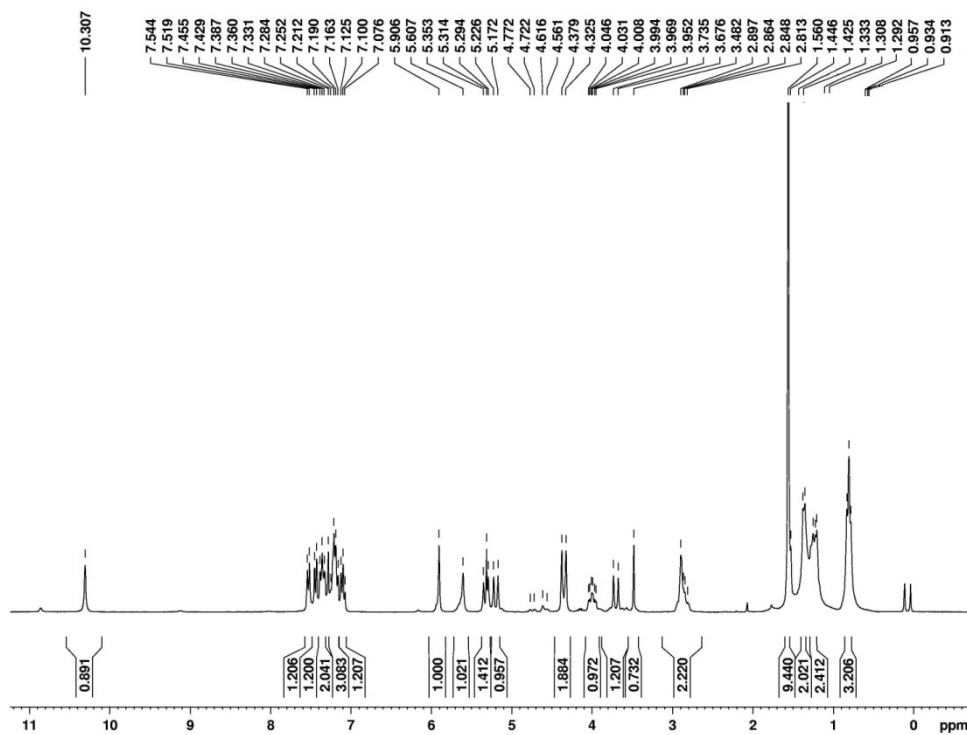


Fig. 5. ^1H spectra of Compound 14c

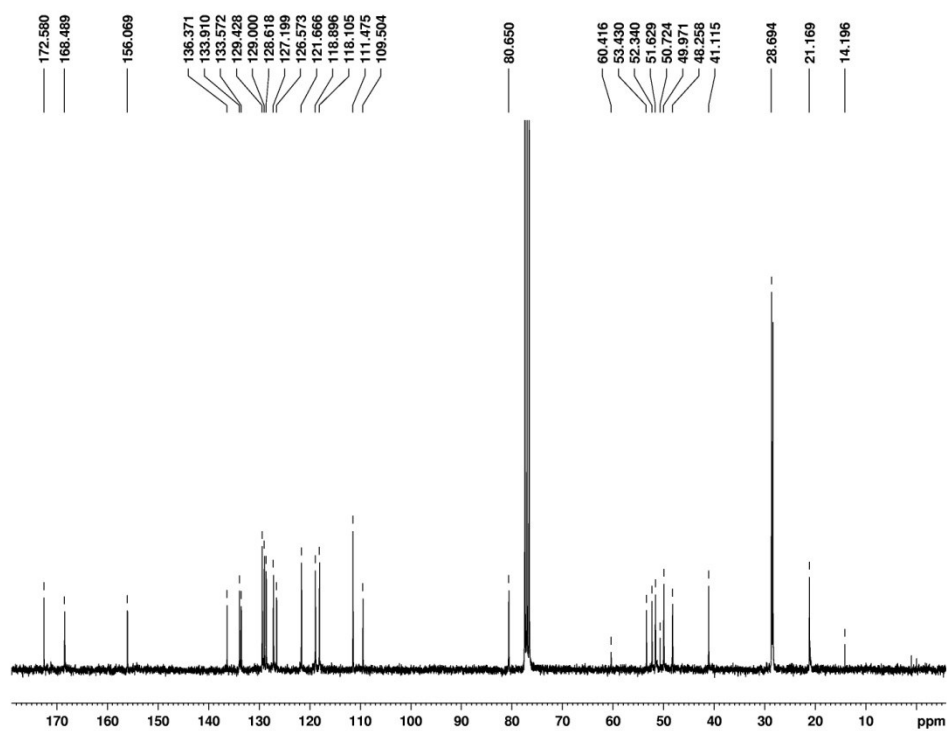


Fig. 6. ¹³C spectra of Compound 14c

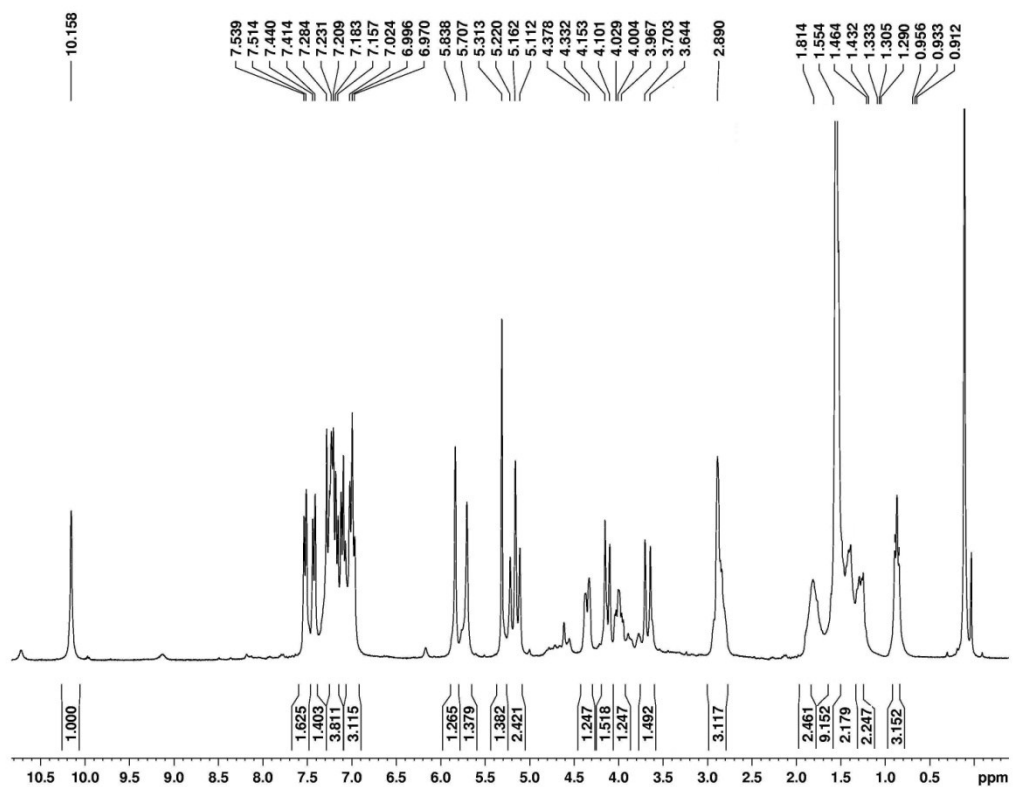


Fig. 7. ^1H spectra of Compound 14d

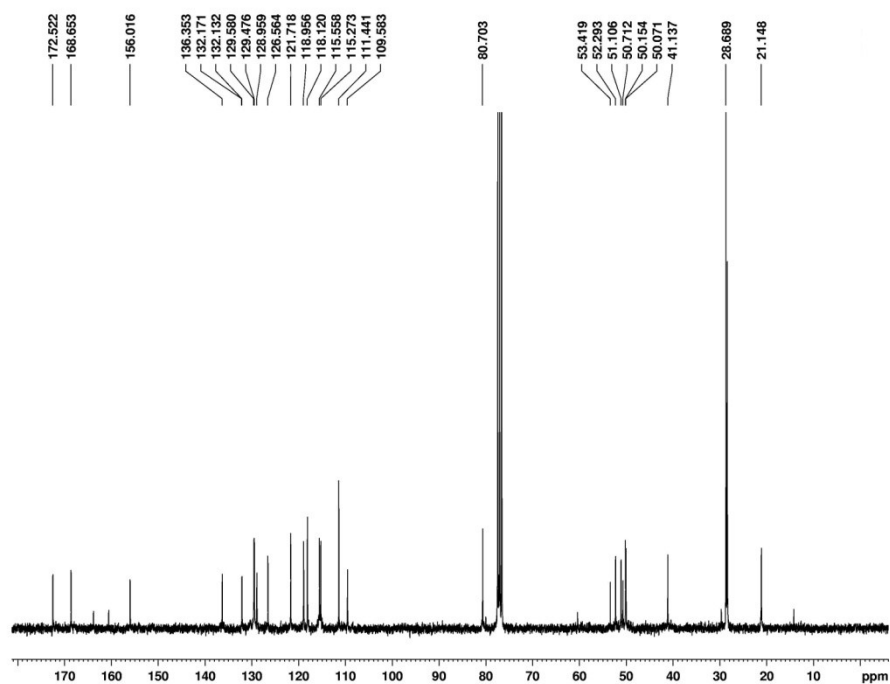


Fig. 8. ^{13}C spectra of Compound 14d

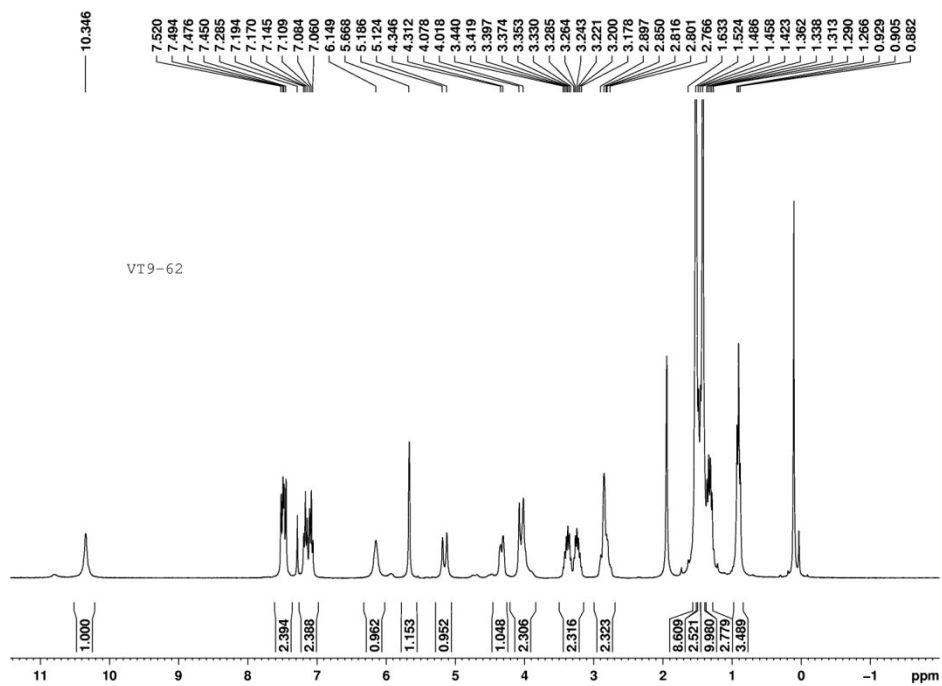


Fig. 9. ^1H spectra of Compound 14e

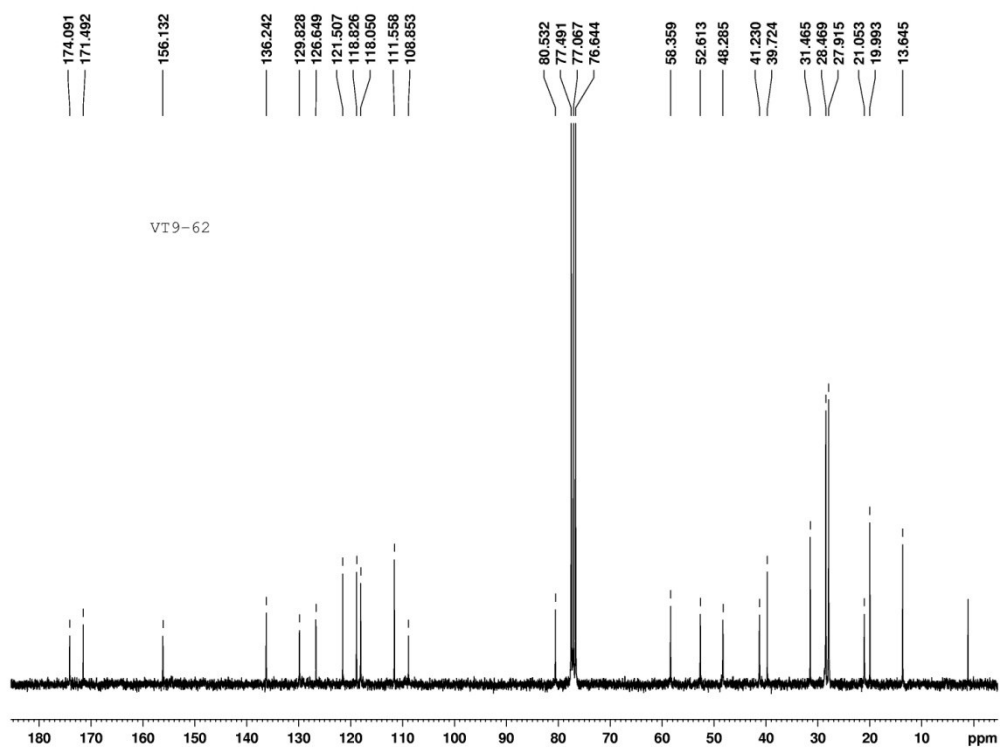


Fig. 10. ^{13}C spectra of Compound 14e

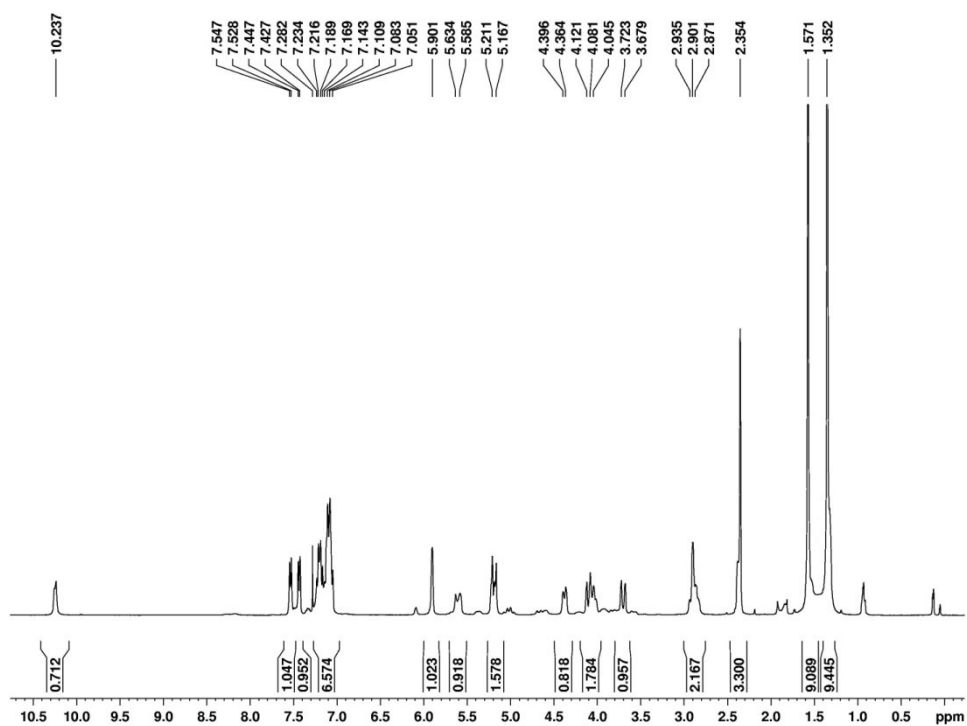


Fig. 11. ^1H spectra of Compound 14f

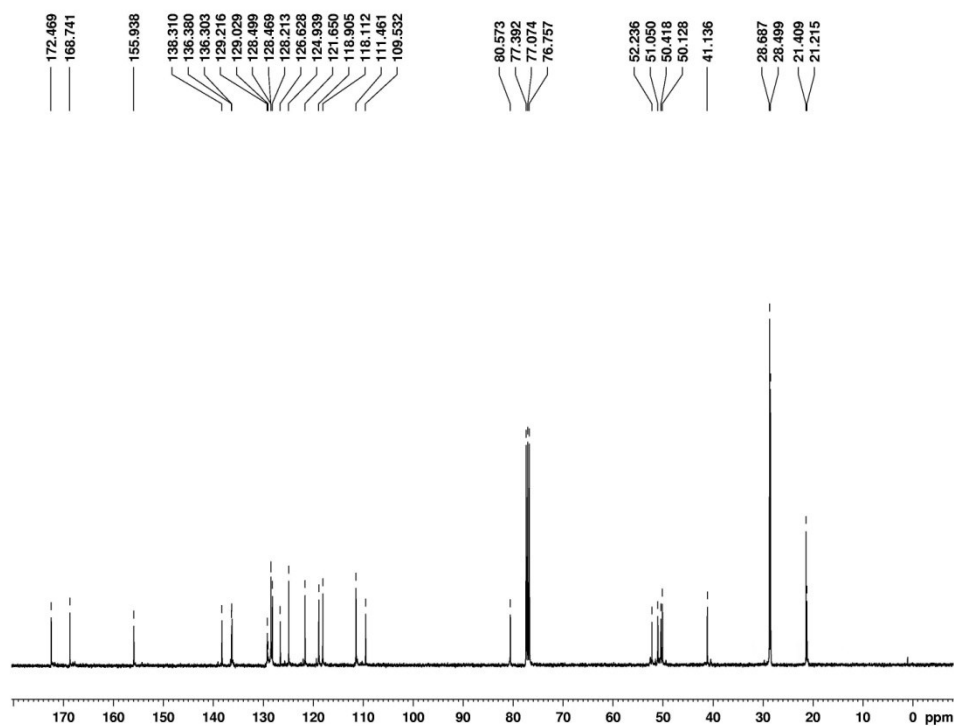


Fig. 12. ^{13}C spectra of Compound 14f

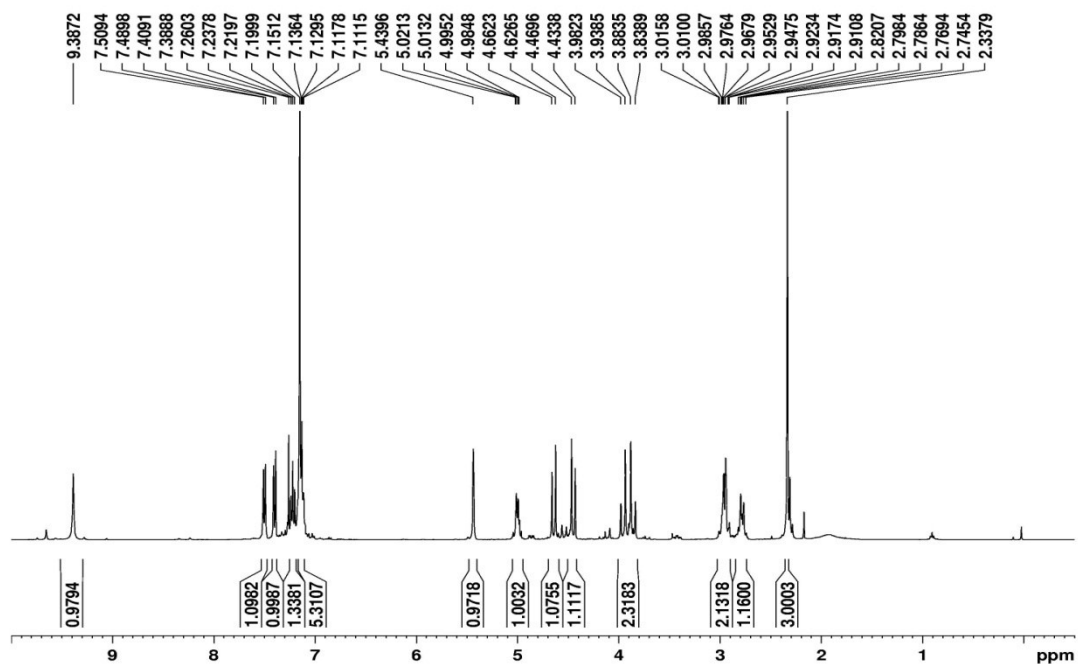


Fig. 13. ^1H spectra of Compound 15a

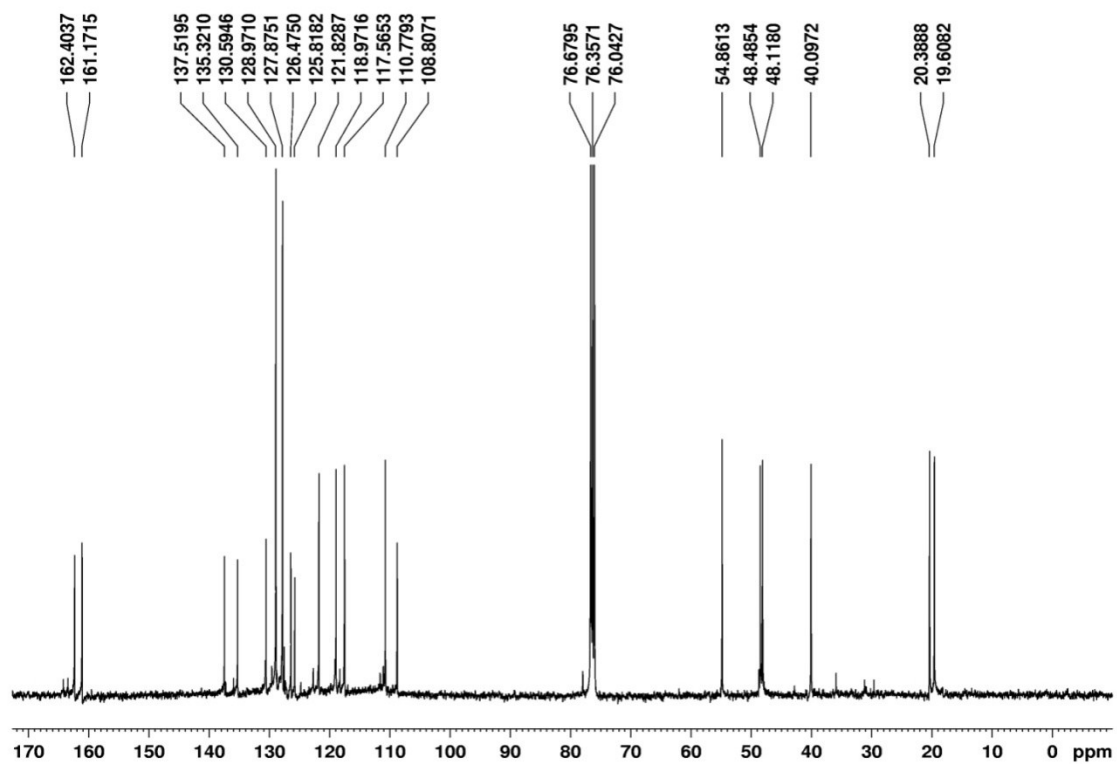


Fig. 14. ¹³C spectra of Compound 15a

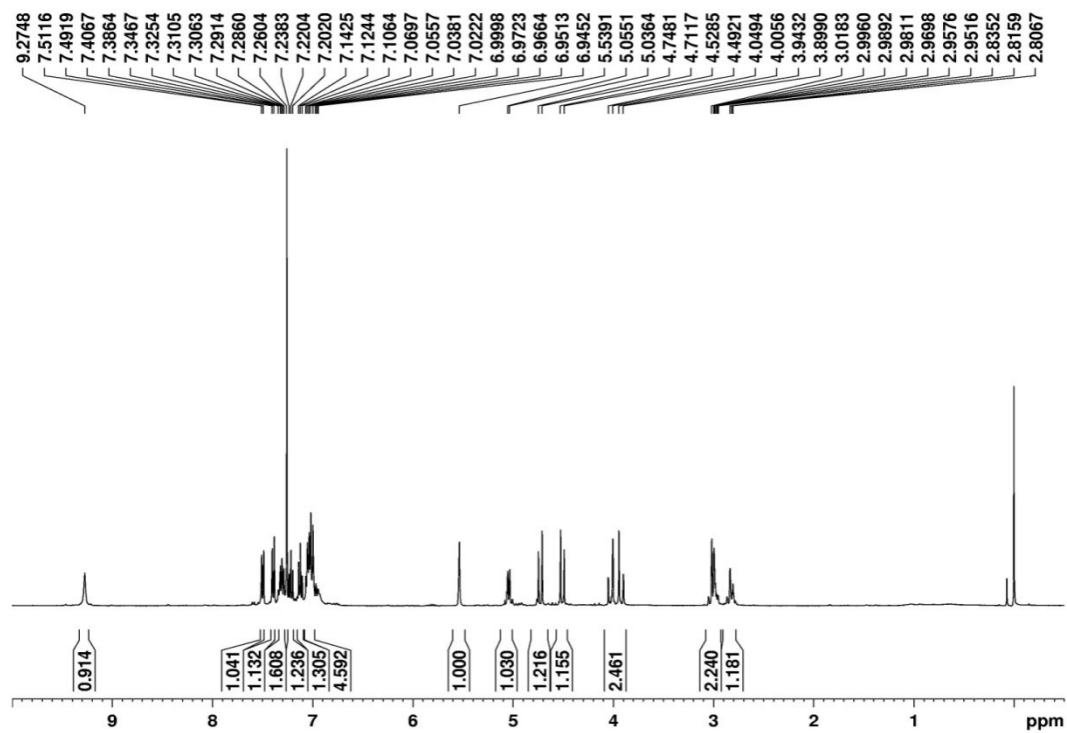


Fig. 15. ^1H spectra of Compound 15b

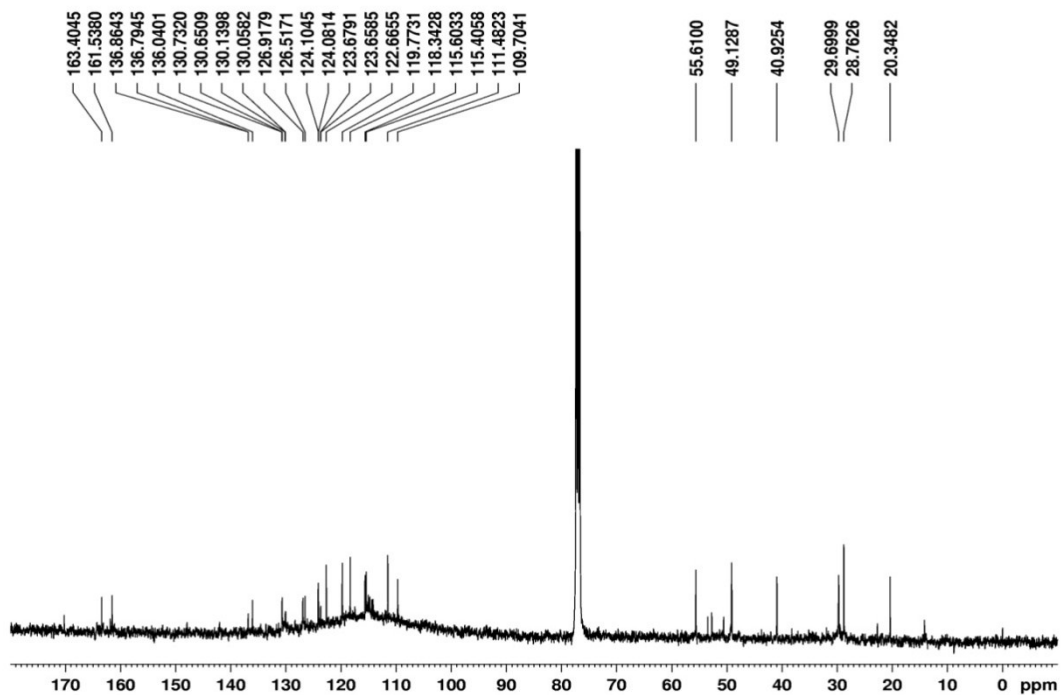


Fig. 16. ^1H spectra of Compound 15b

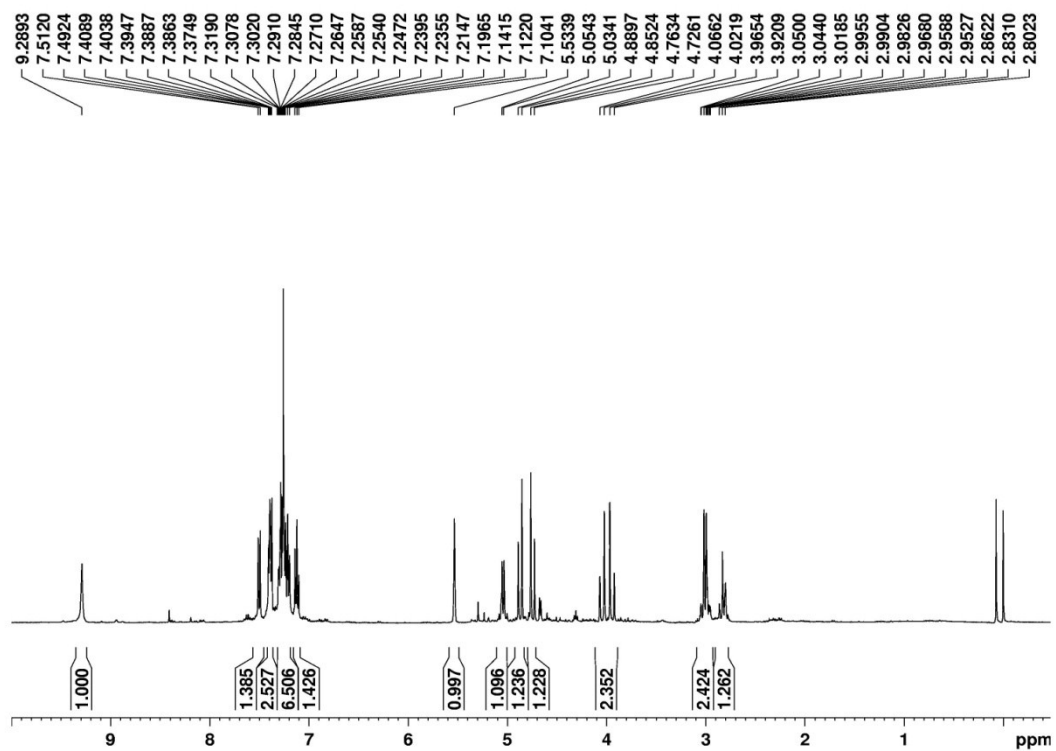


Fig. 17. ^1H spectra of Compound 15c

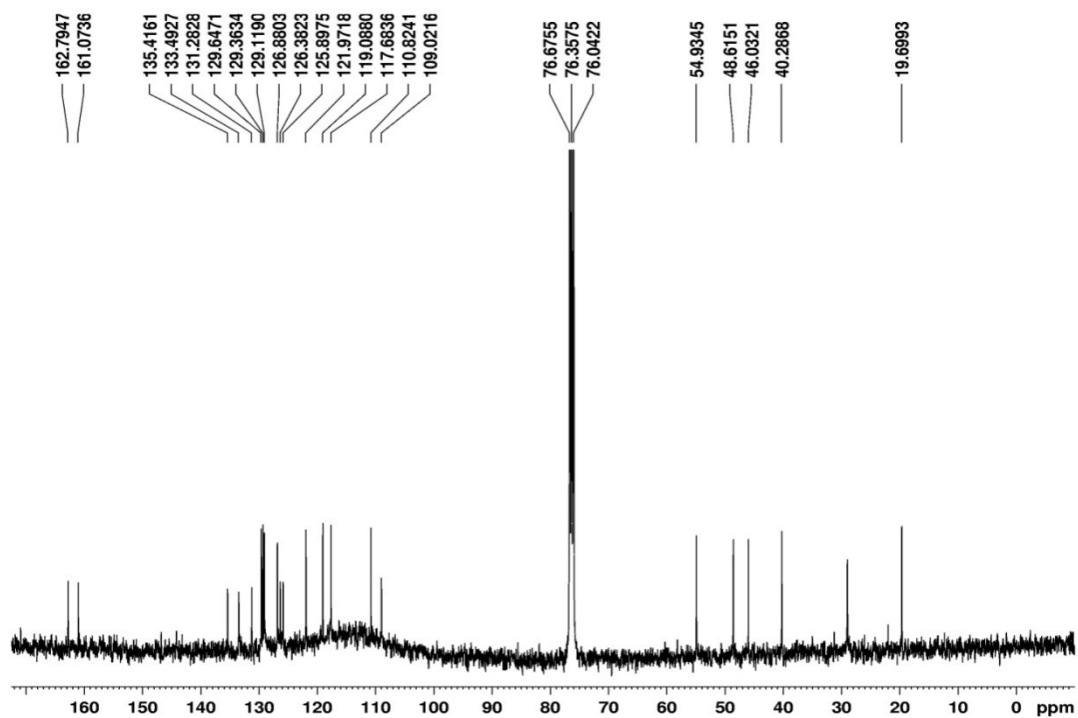


Fig. 18. ^{13}C spectra of Compound 15c

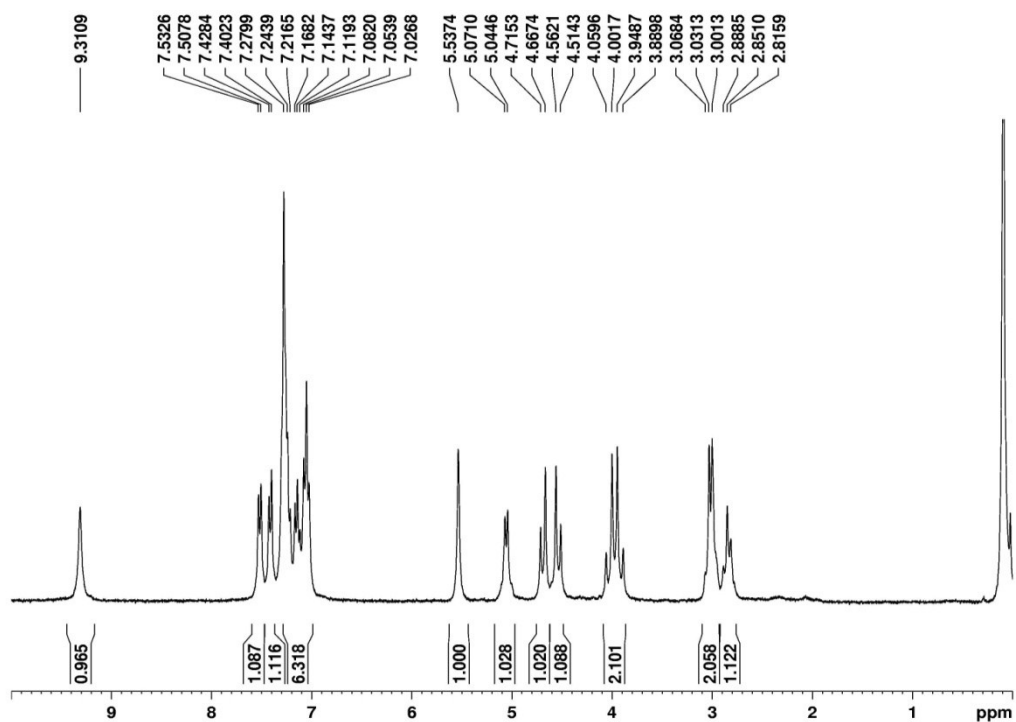


Fig. 19. ^1H spectra of Compound 15d

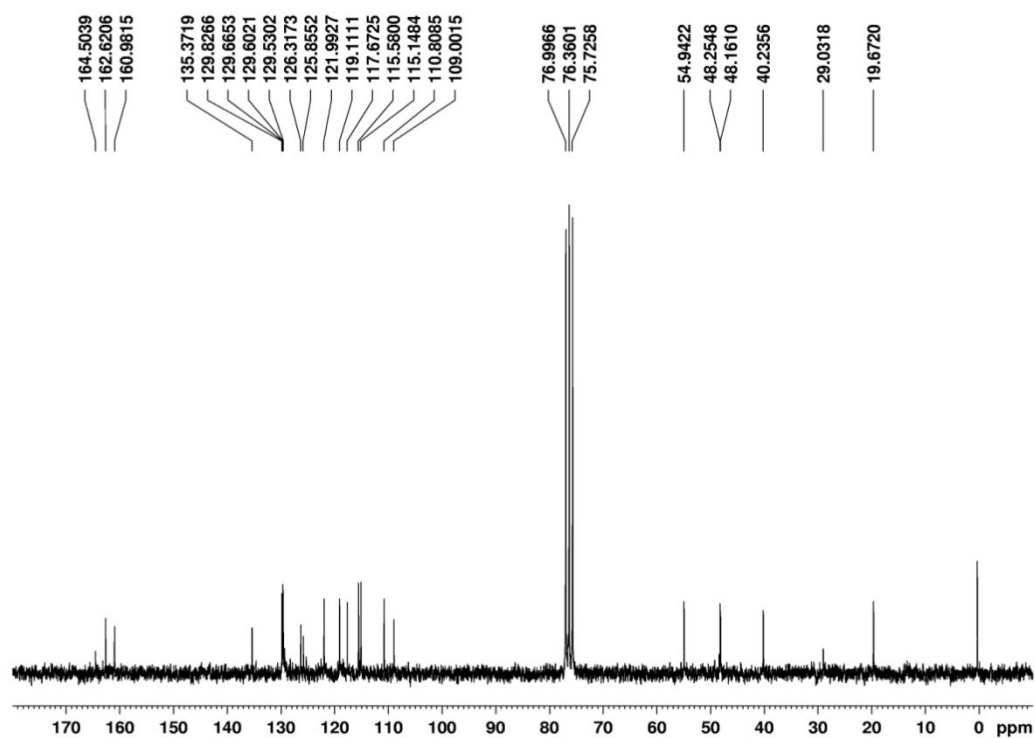


Fig. 20. ¹³C spectra of Compound 15d

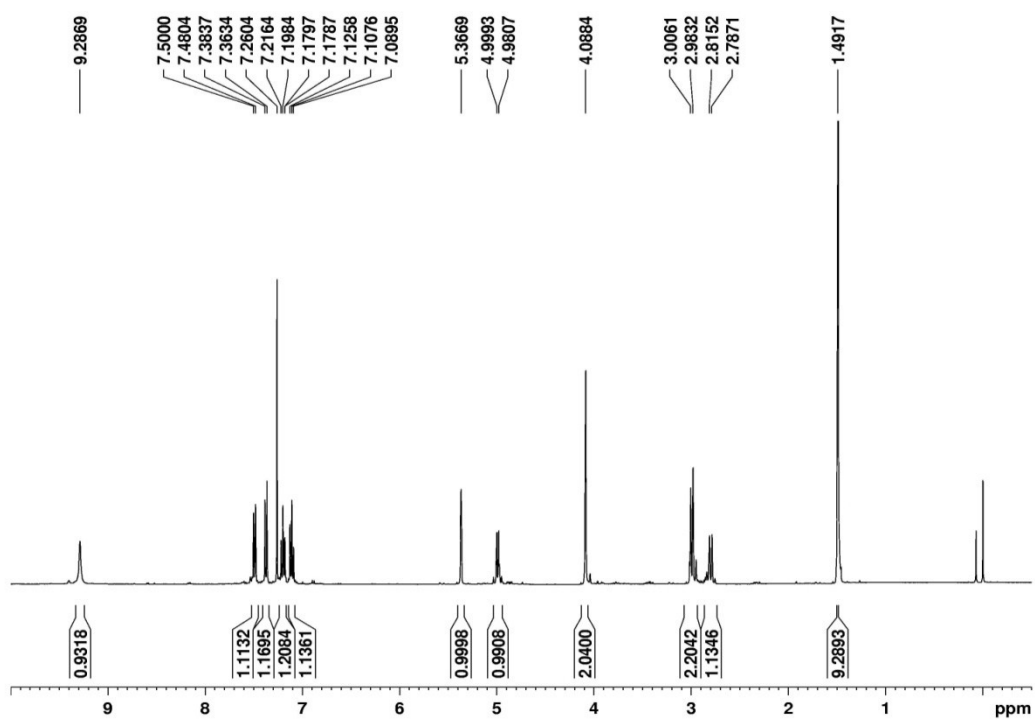


Fig. 21. ¹H spectra of Compound 15e

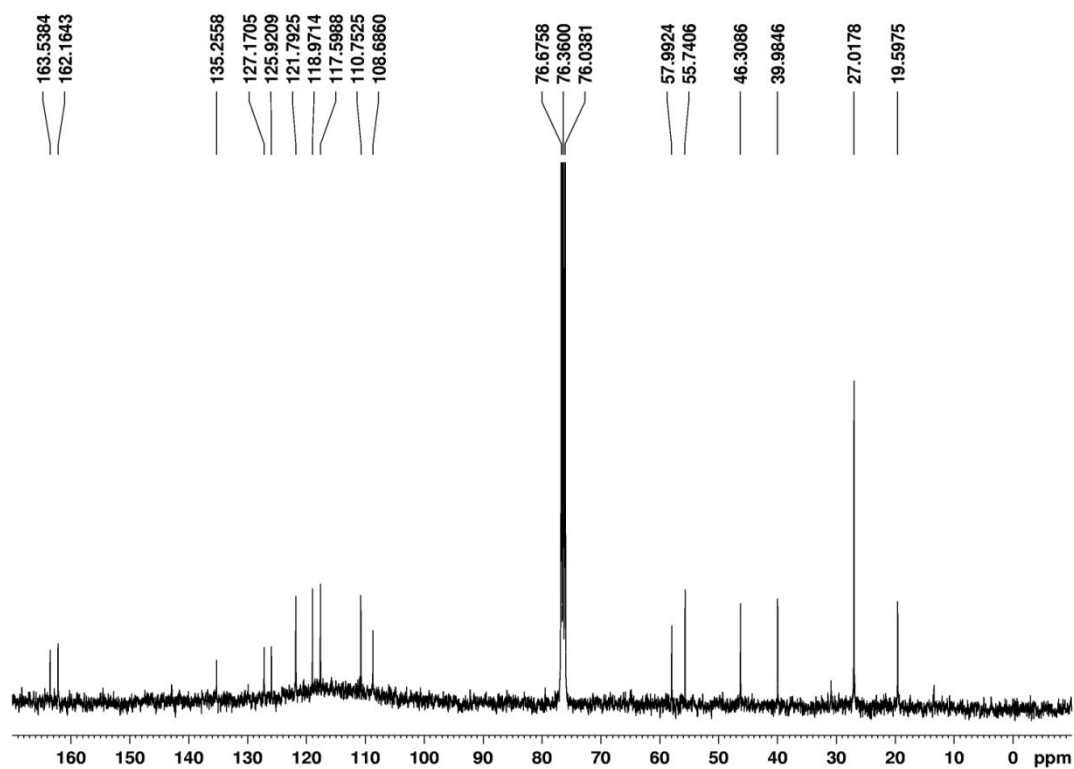


Fig. 22. ¹³C spectra of Compound 15e

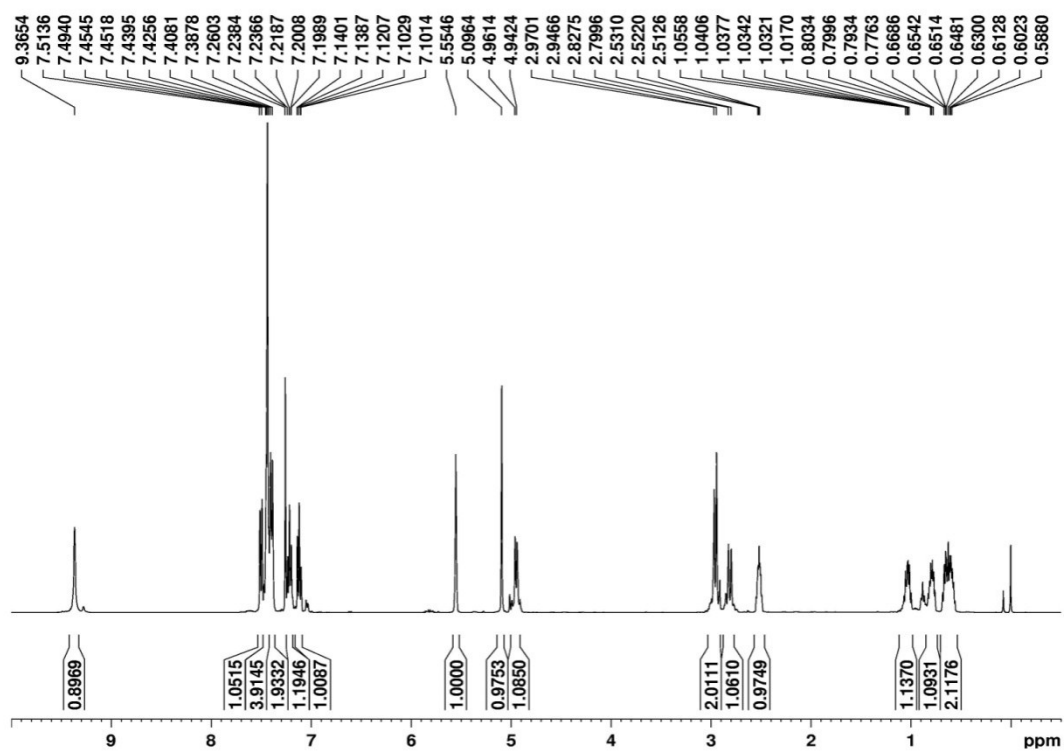


Fig. 23. ^1H spectra of Compound 15f (major isomer)

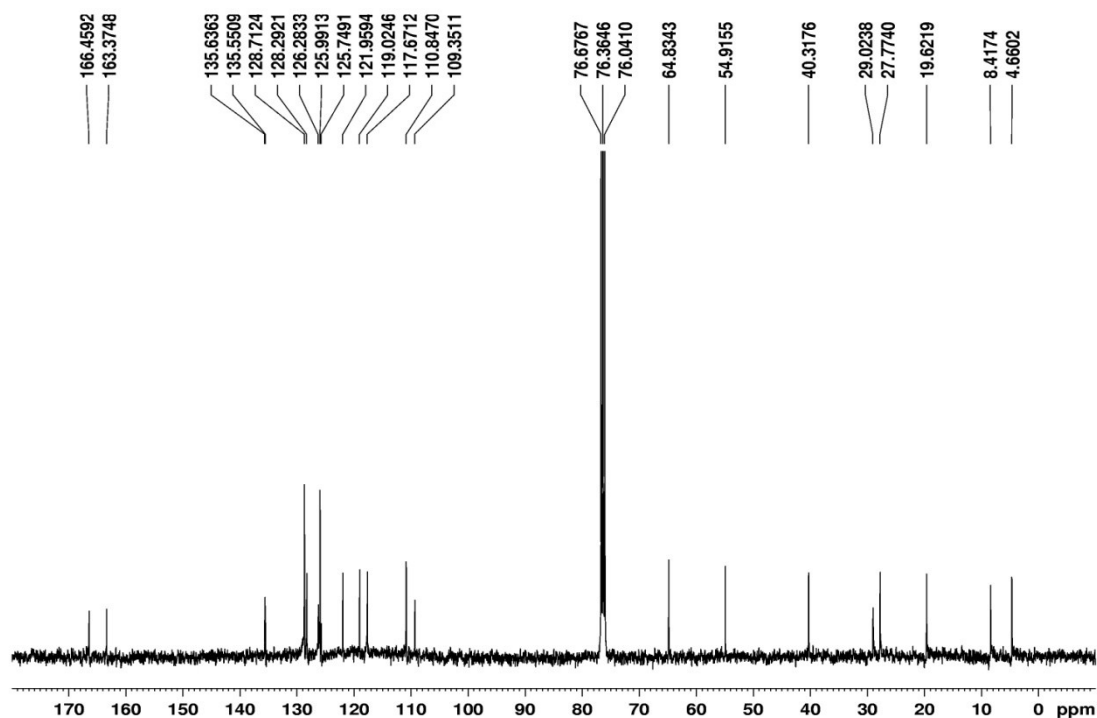


Fig. 24. ^{13}C spectra of Compound 15f (major isomer)

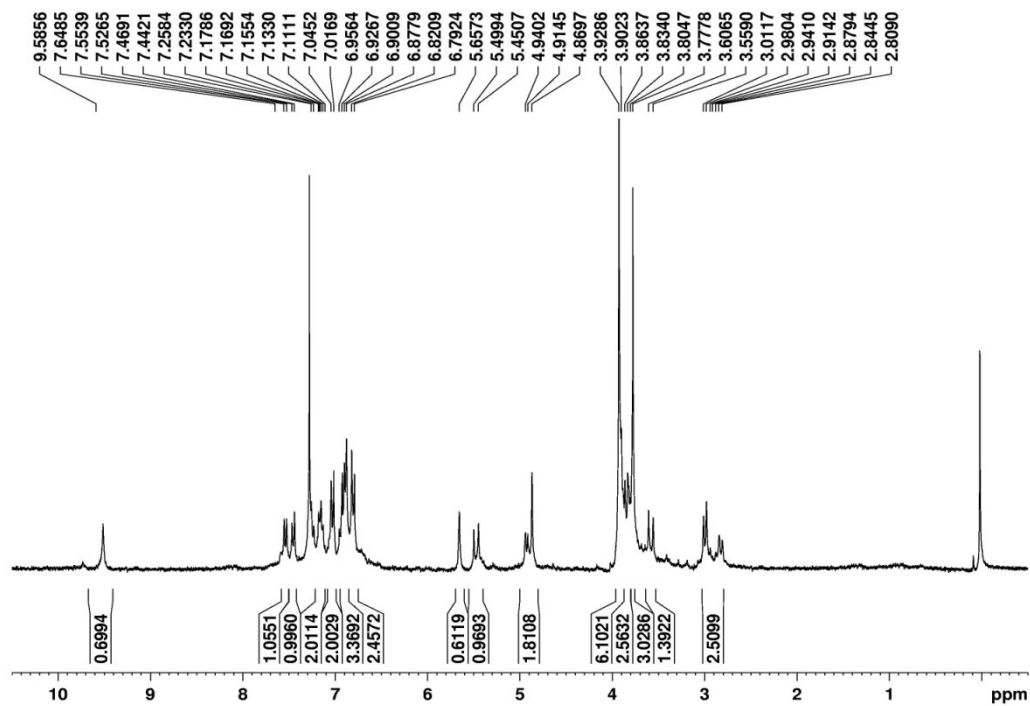


Fig. 25. ^1H spectra of Compound 15g (major isomer)

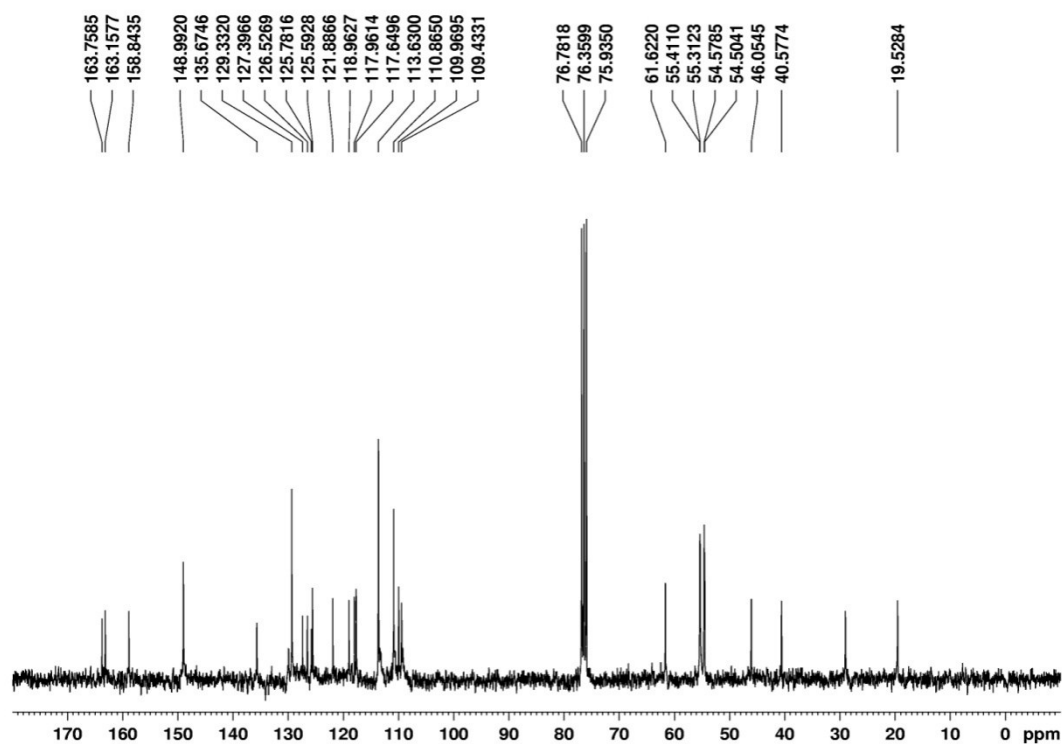


Fig. 26. ^1H spectra of Compound 15g (major isomer)

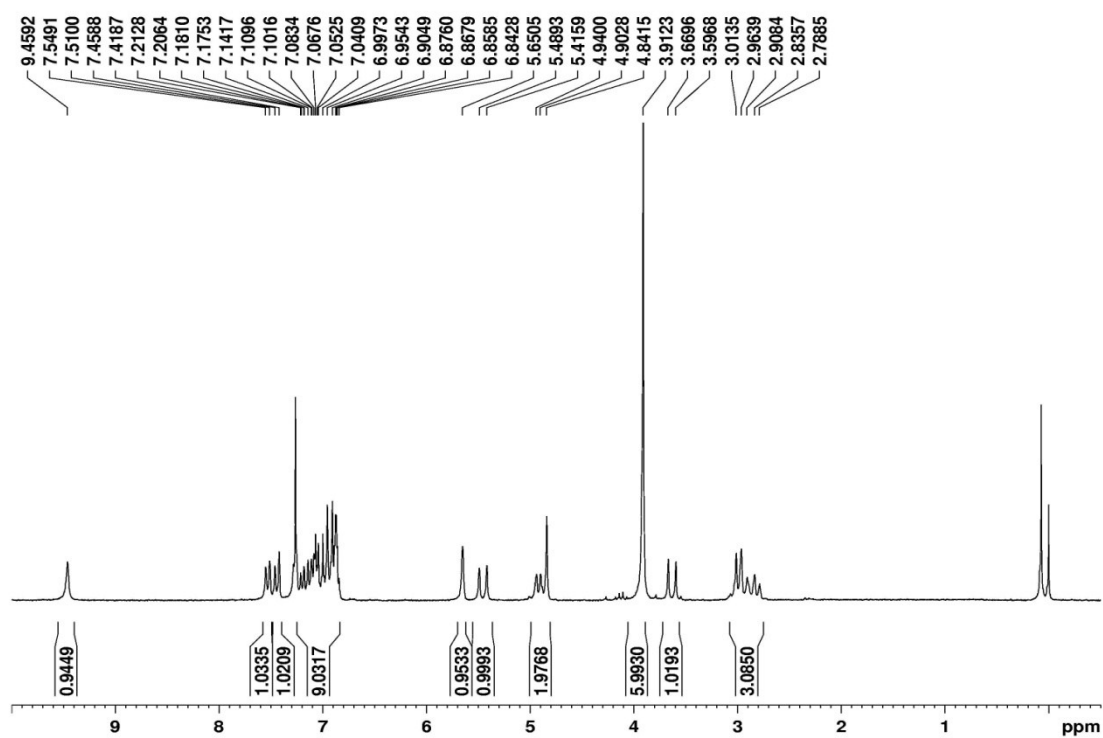


Fig. 27. ^1H spectra of Compound 15h (major isomer)

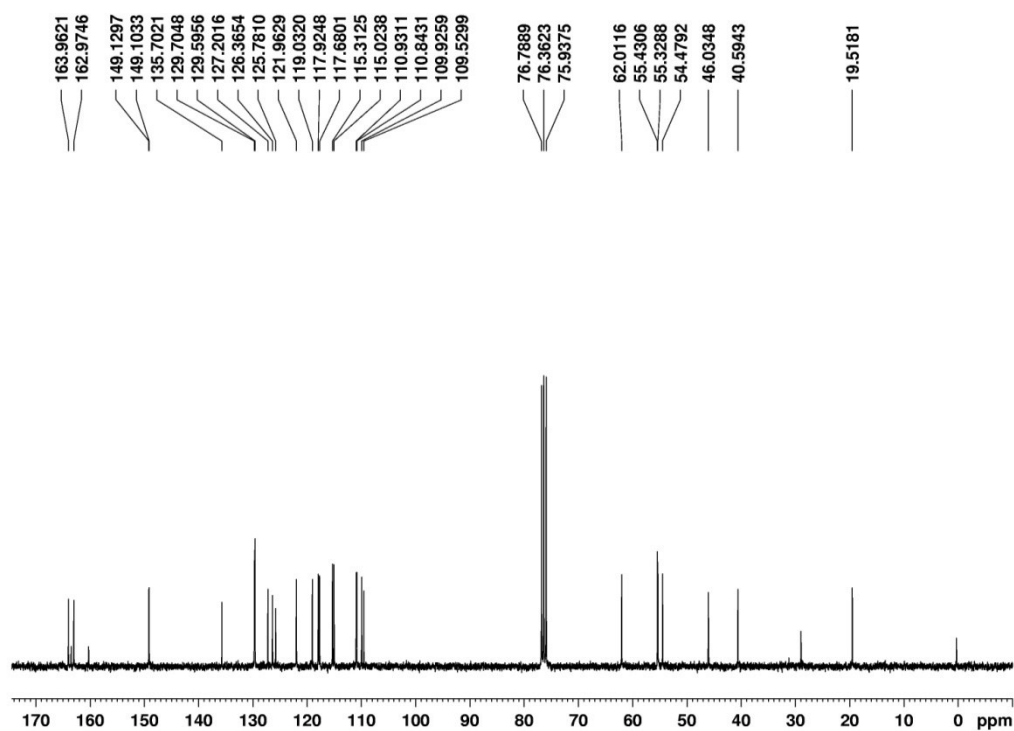


Fig. 28. ^{13}C spectra of Compound 15h (major isomer)

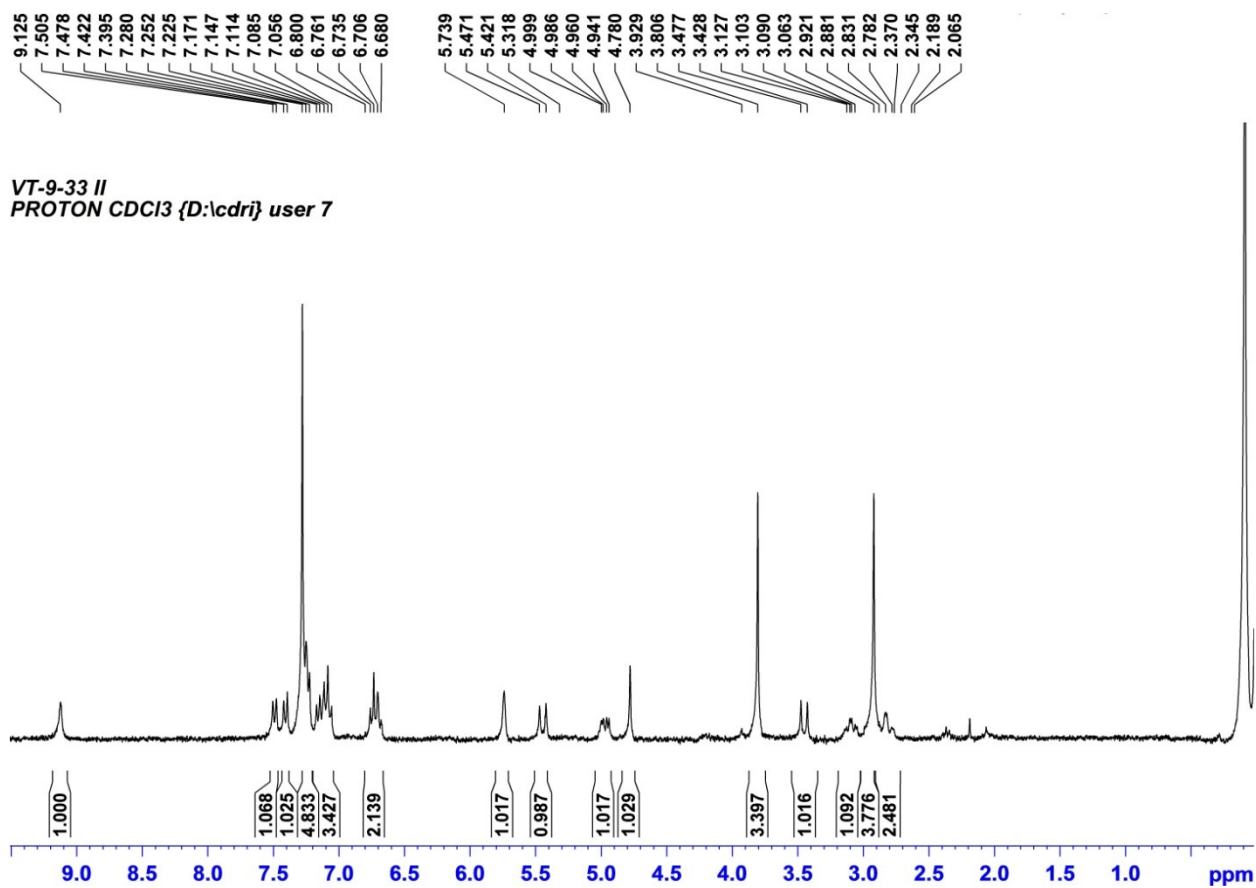


Fig. 29. ¹H spectra of Compound 15h (minor isomer)

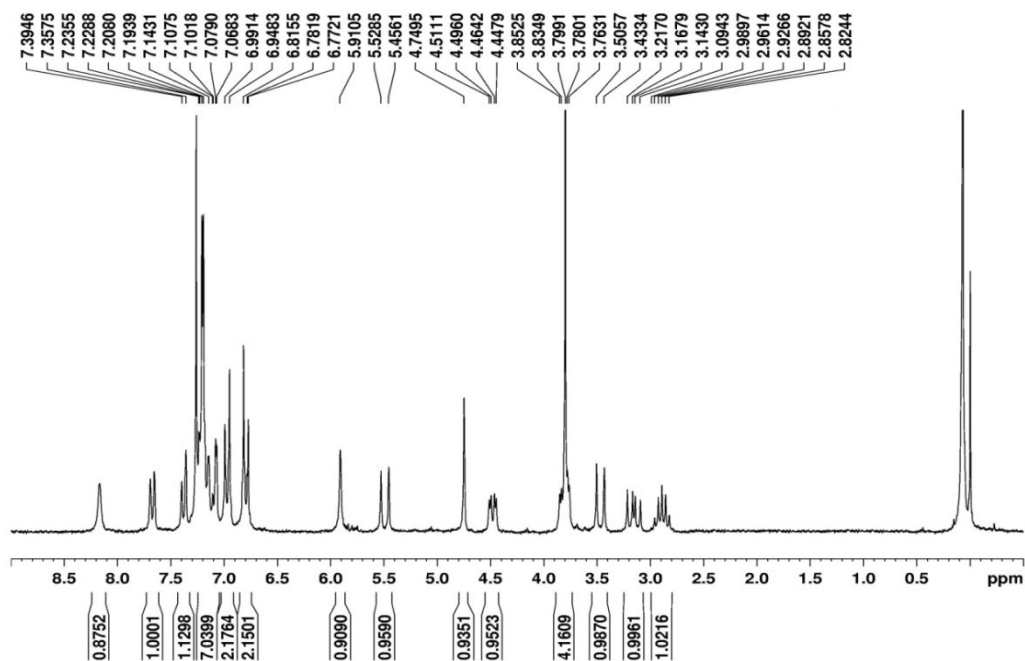


Fig. 30. ¹H spectra of Compound 15i (major isomer)

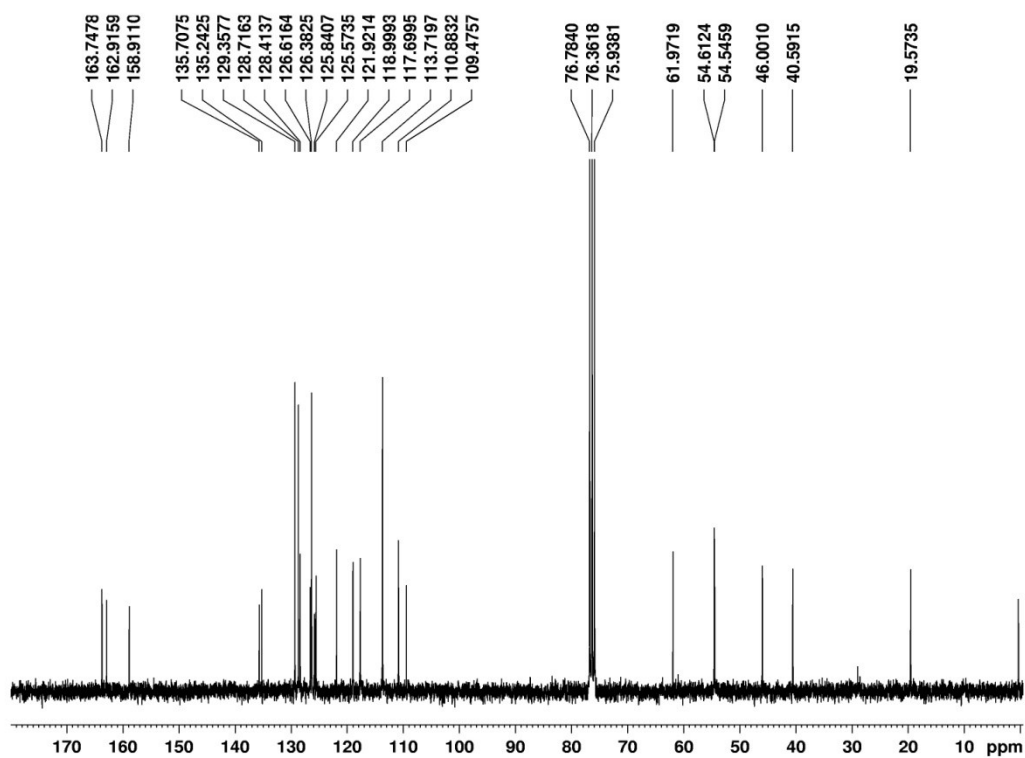


Fig. 31. ^{13}C spectra of Compound 15i (major isomer)

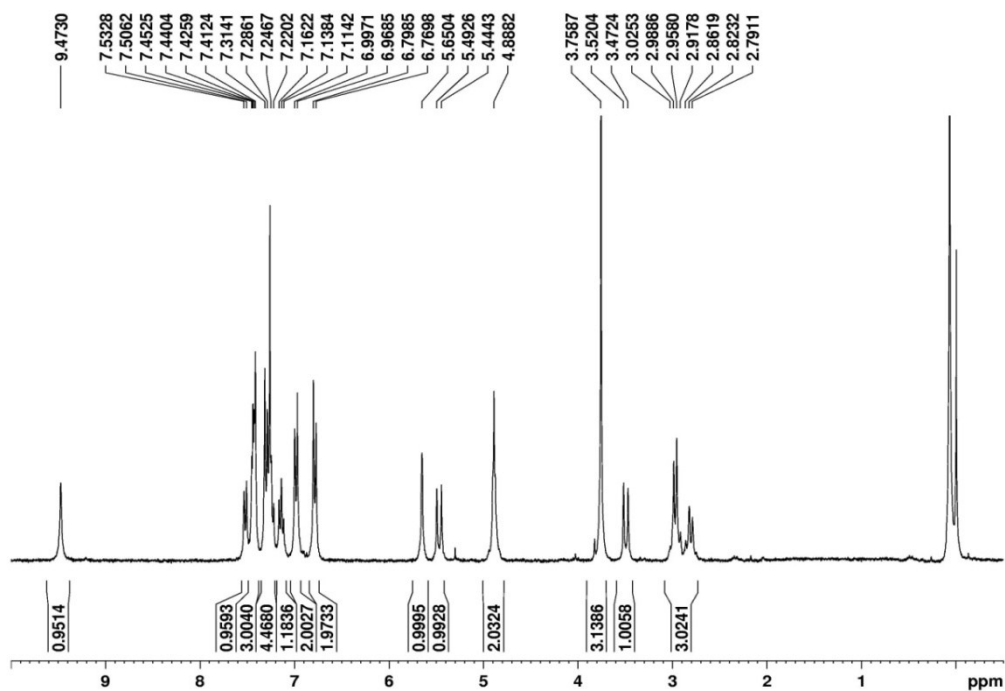


Fig. 32. ^1H spectra of Compound 15j (major isomer)

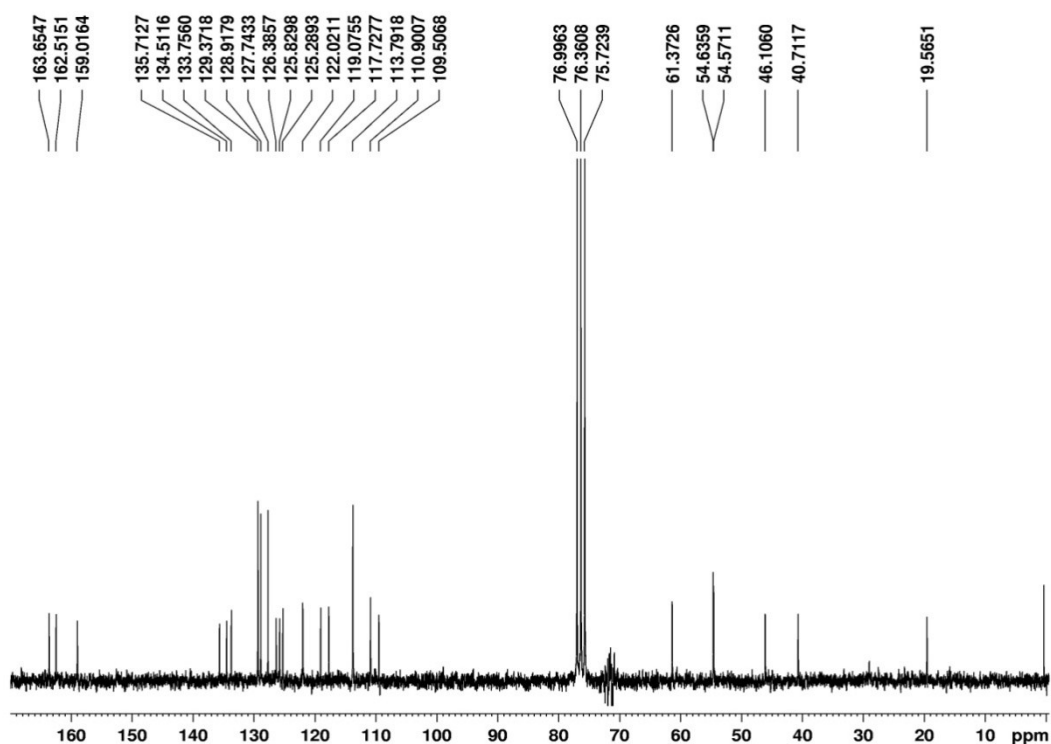


Fig. 33. ^{13}C spectra of Compound 15j (major isomer)

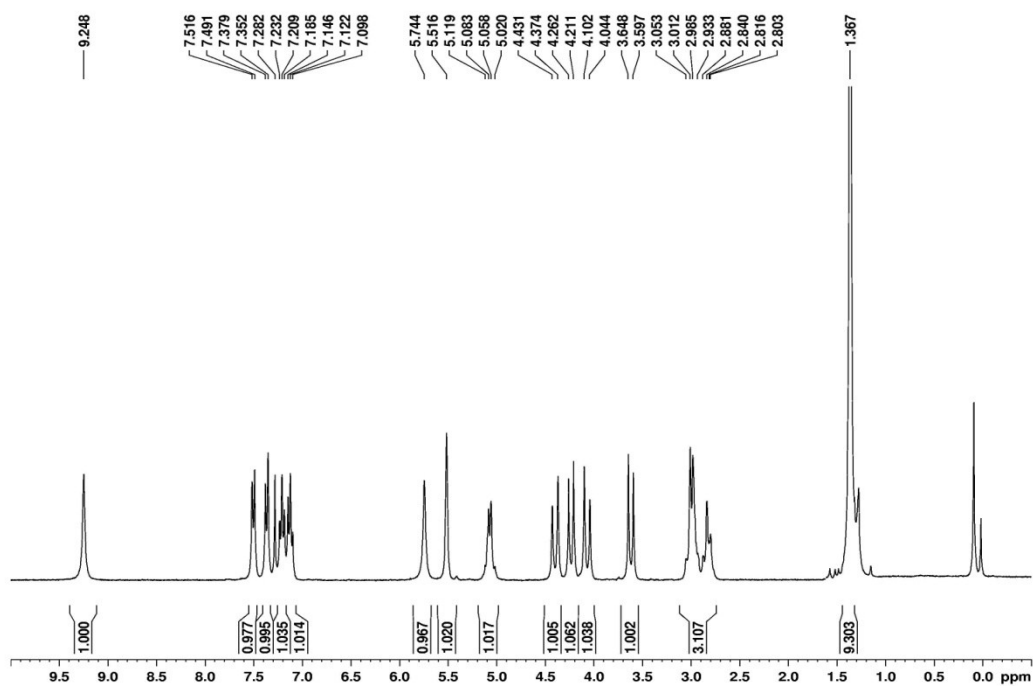


Fig. 34. ^1H spectra of Compound 18a

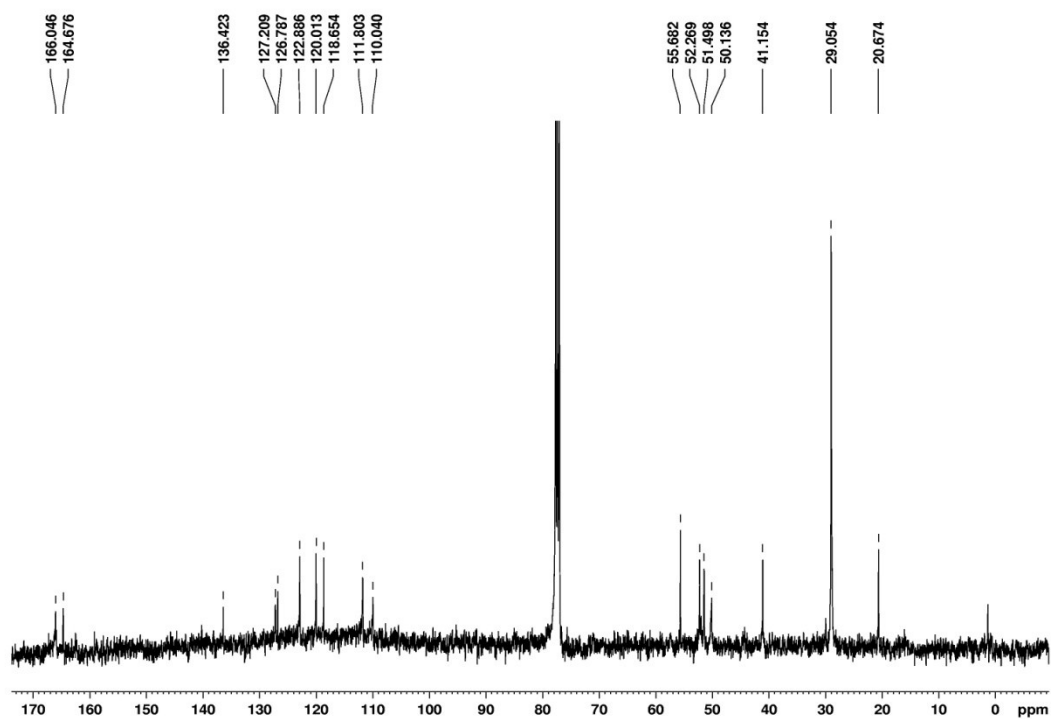


Fig. 35. ¹³C spectra of Compound 18a

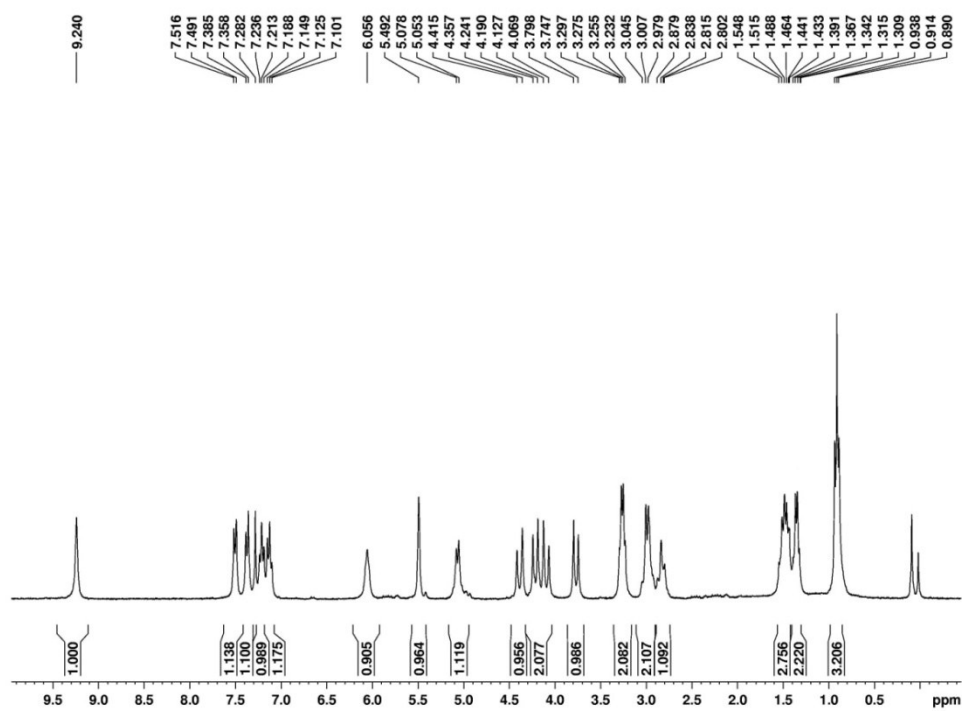


Fig. 36. ¹H spectra of Compound 18b

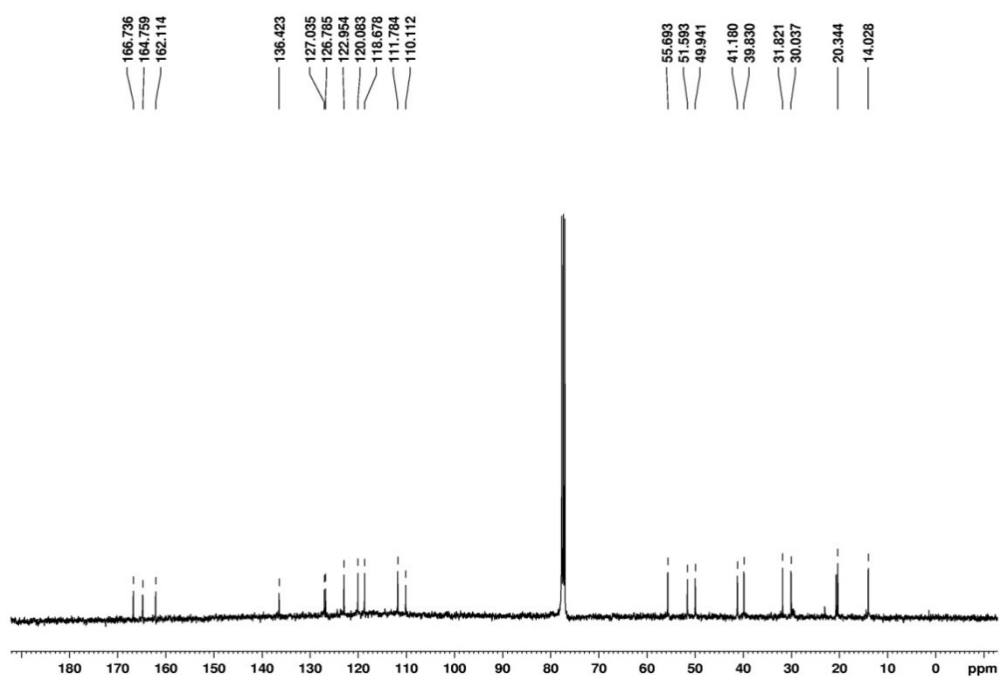


Fig. 37. ¹³C spectra of Compound 18b

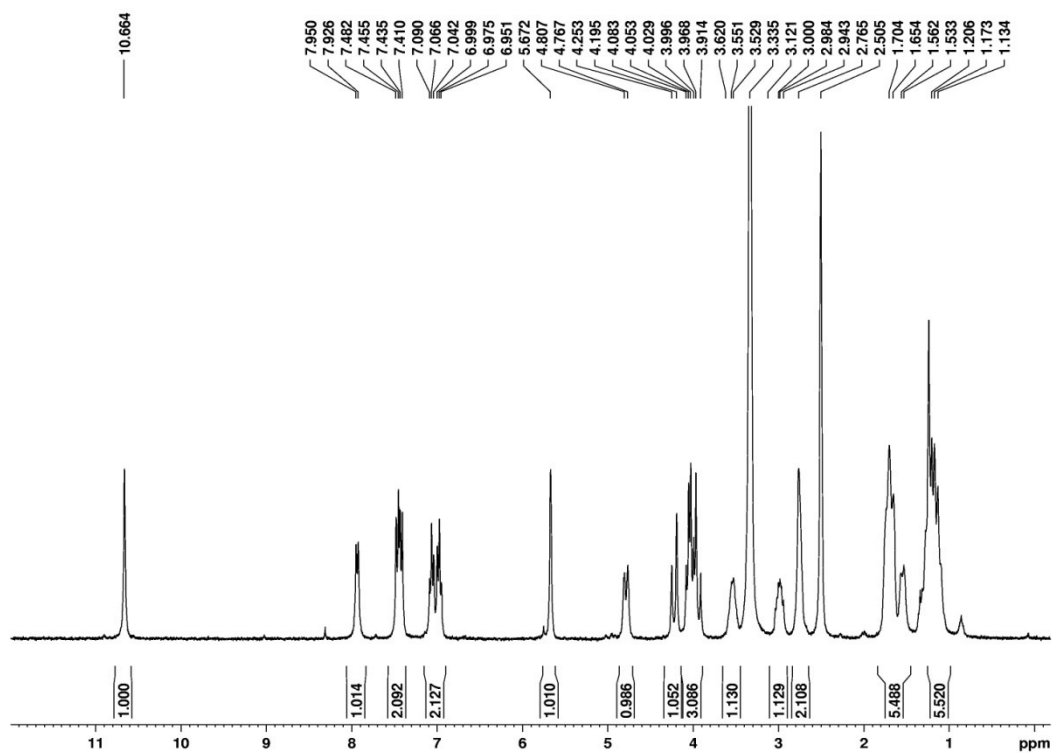


Fig. 38. ¹H spectra of Compound 18c

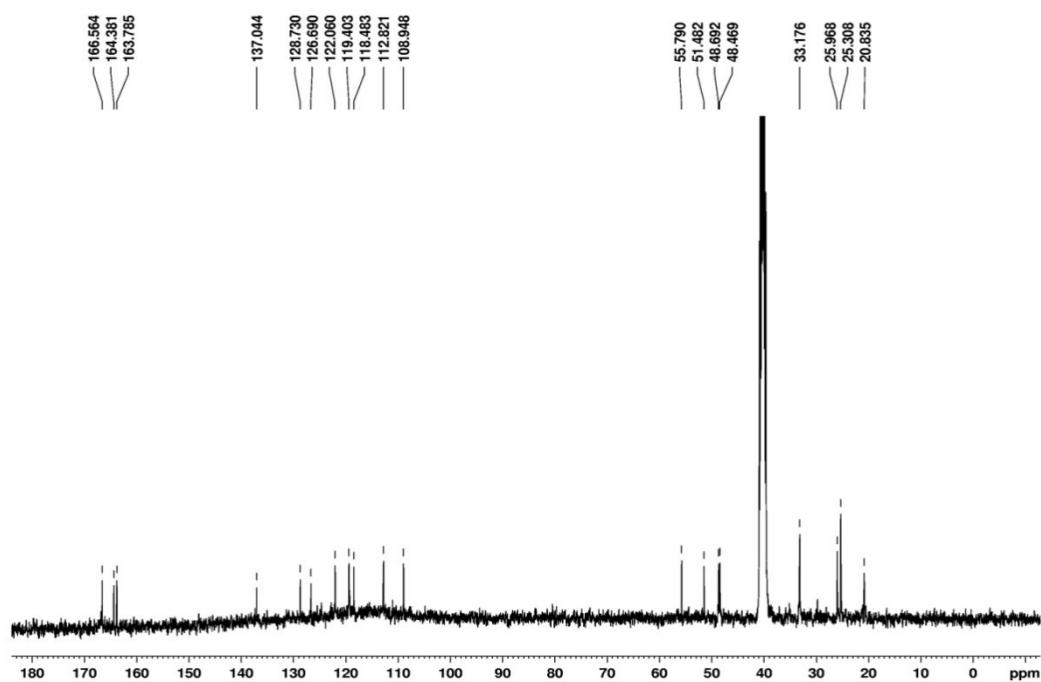


Fig. 39. ^{13}C spectra of Compound 18c

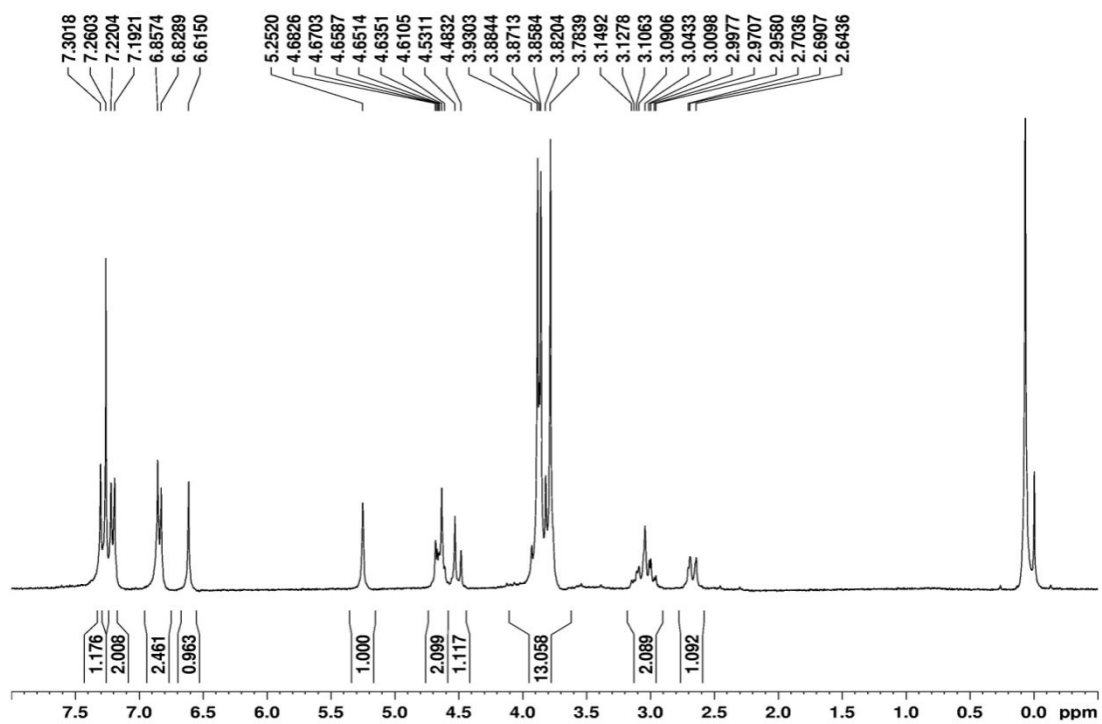


Fig. 40. ^1H spectra of Compound 21

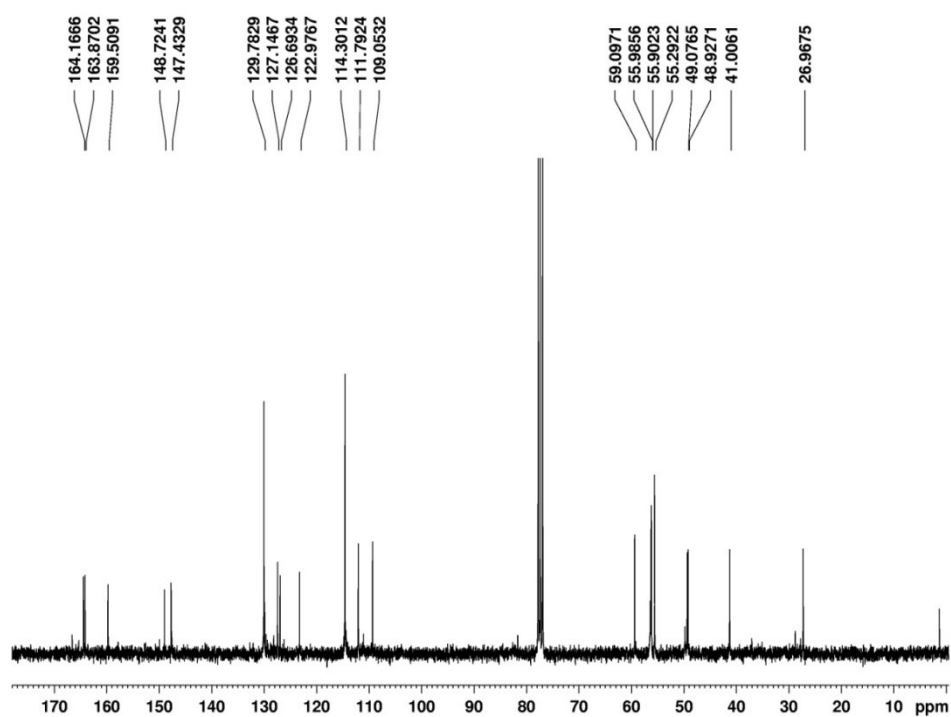


Fig. 41. ¹³C spectra of Compound 21