

Supplementary Materials for review

Anti-cancer effects of Bis-oxidized thiopyran derivatives in non-small cell lung cancer: Rational design, synthesis, and activity evaluation

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Table of Contents

¹ H NMR spectrums-----	1-9
¹³ C NMR spectrums-----	10-15
HPLC spectrums-----	16-18
TOF MS spectrums-----	18-26

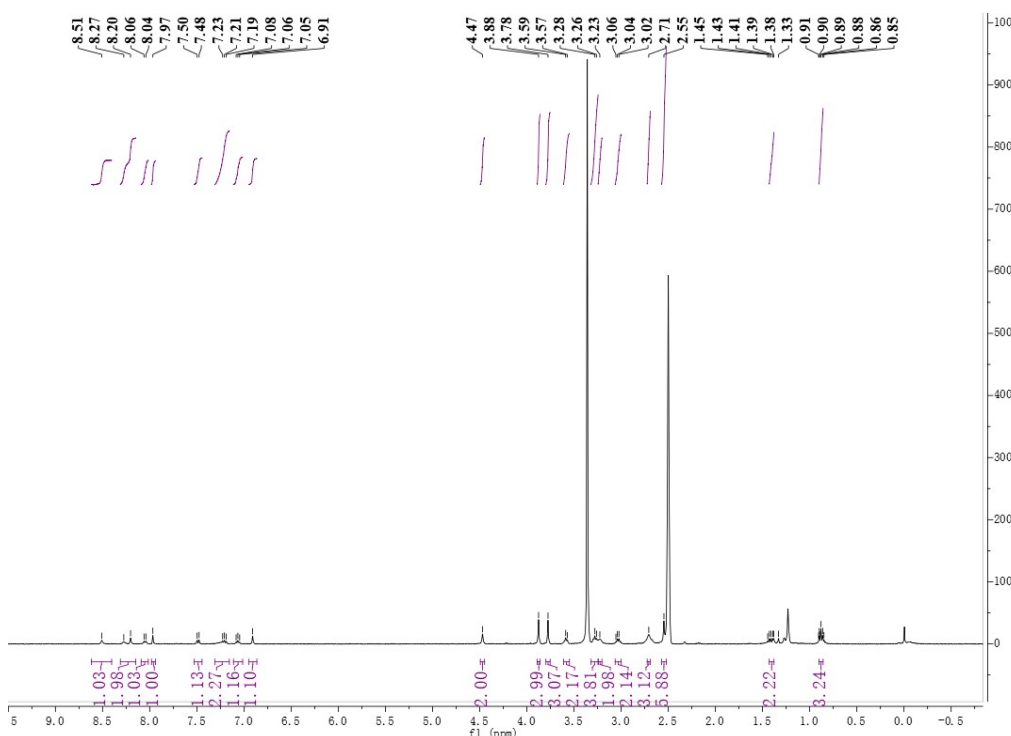


Figure.1. ¹H NMR spectrum of compound S-1

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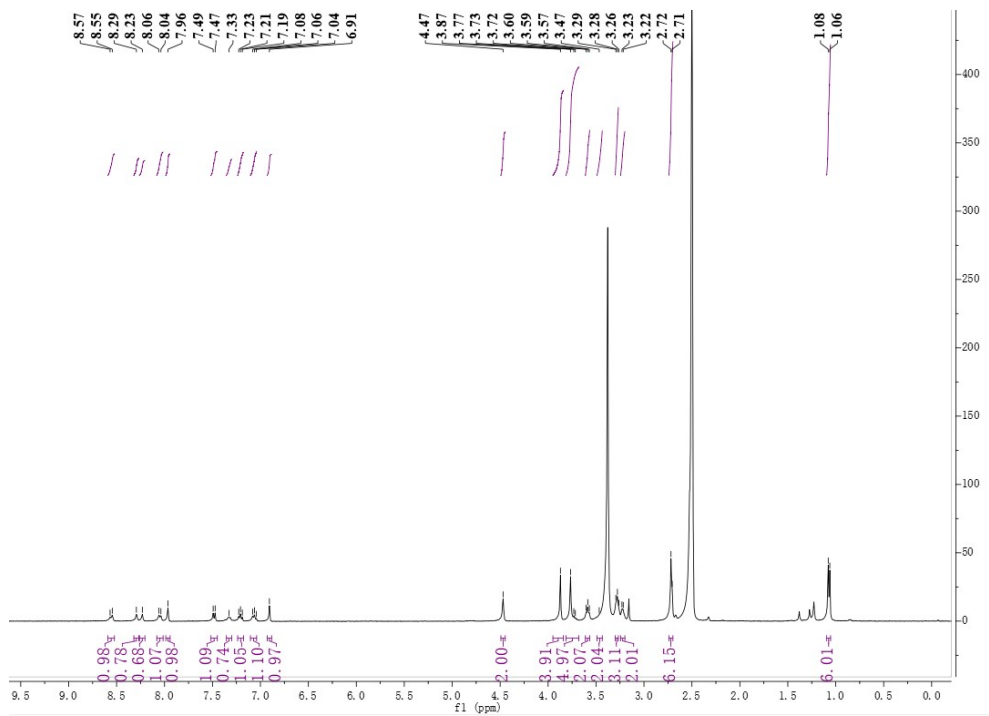


Figure.2. ¹H NMR spectrum of compound S-2

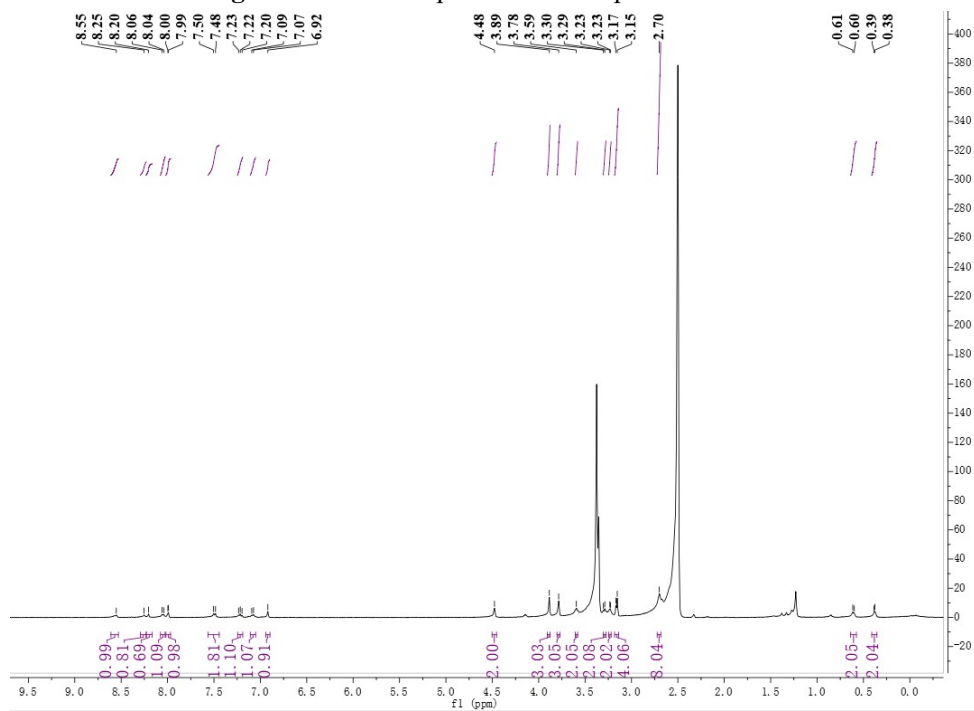


Figure.3. ¹H NMR spectrum of compound S-3

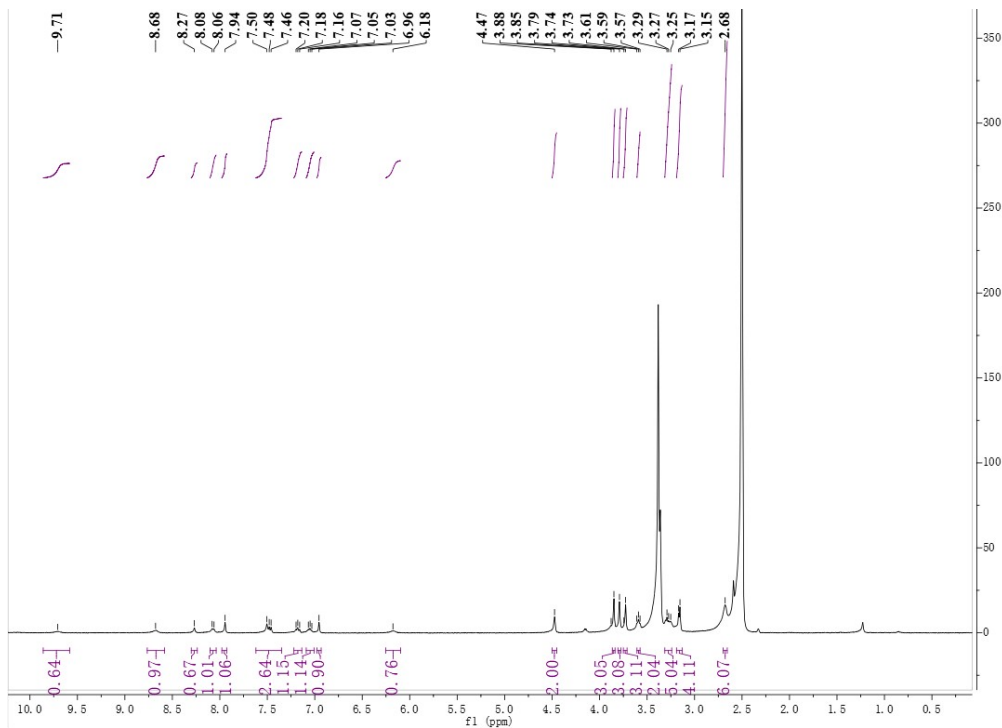


Figure.4. ¹H NMR spectrum of compound S-4

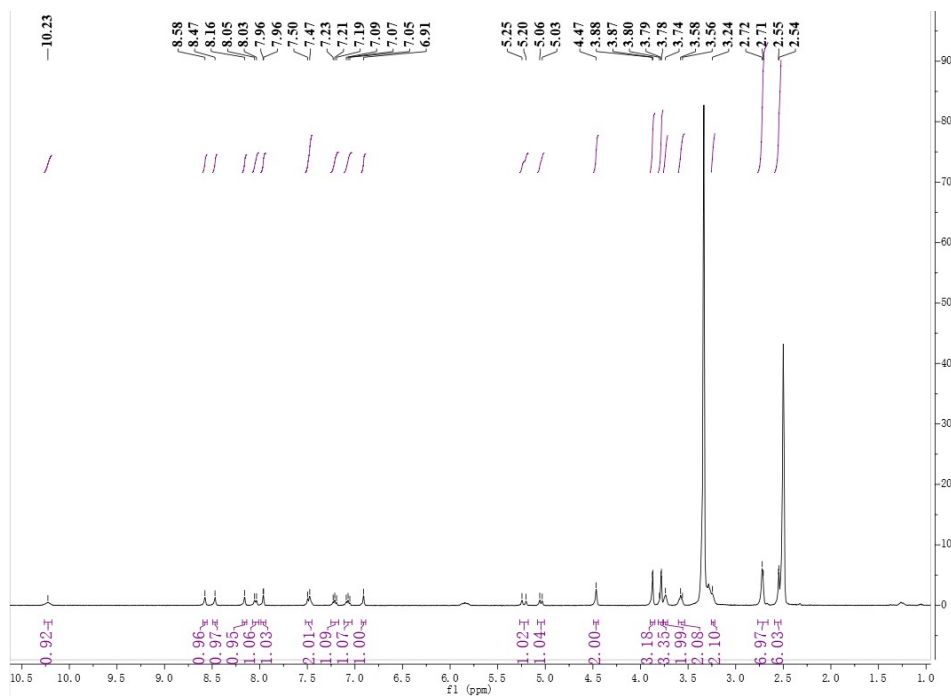


Figure.5. ¹H NMR spectrum of compound S-5

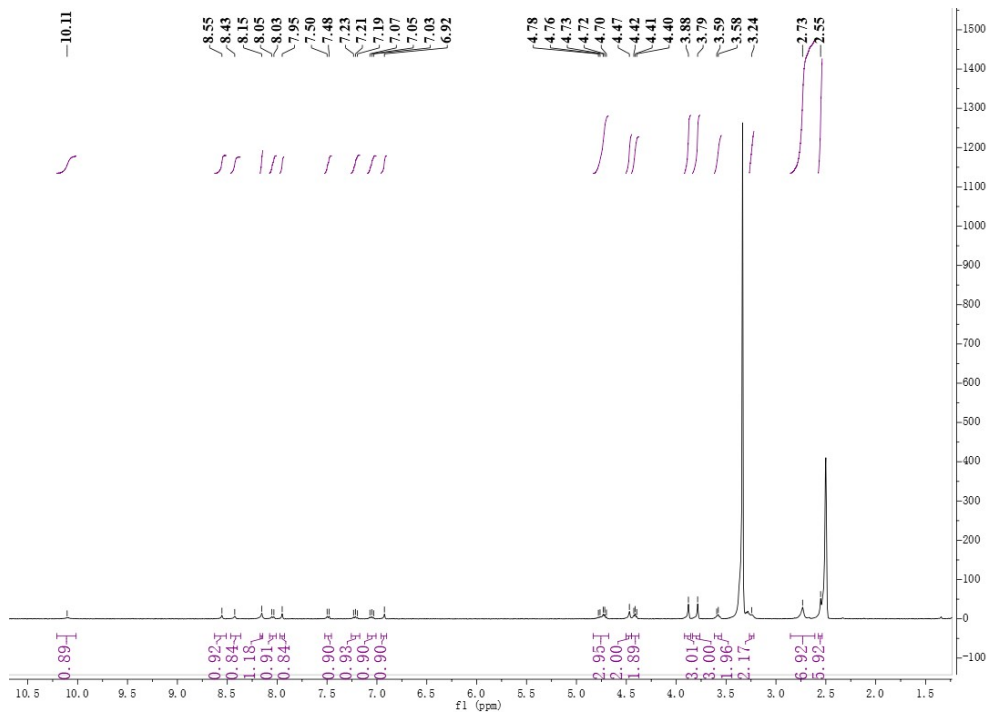


Figure.6. ^1H NMR spectrum of compound S-6

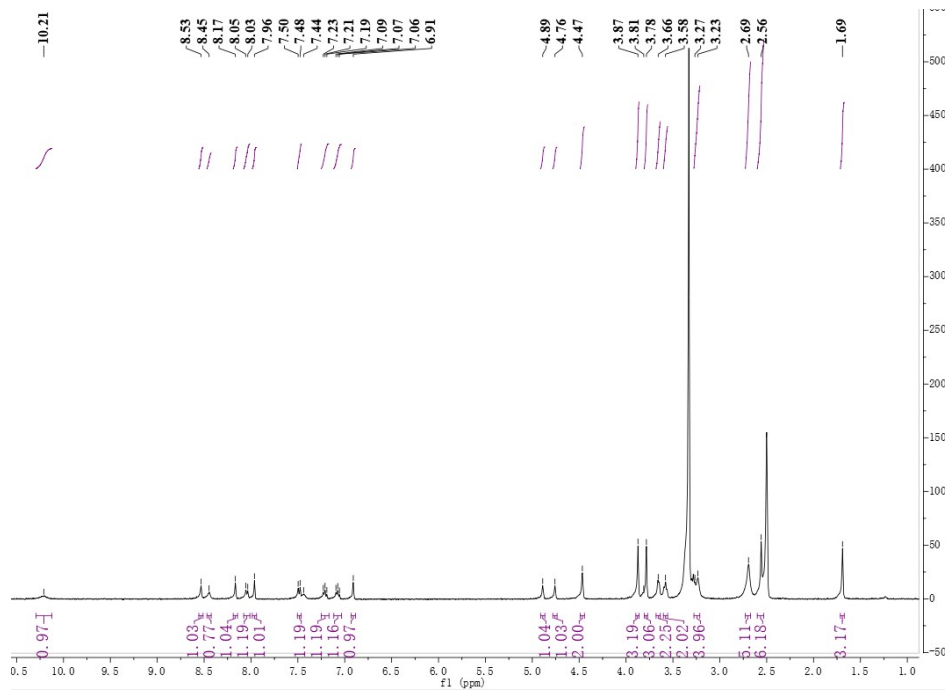


Figure.7. ^1H NMR spectrum of compound S-7

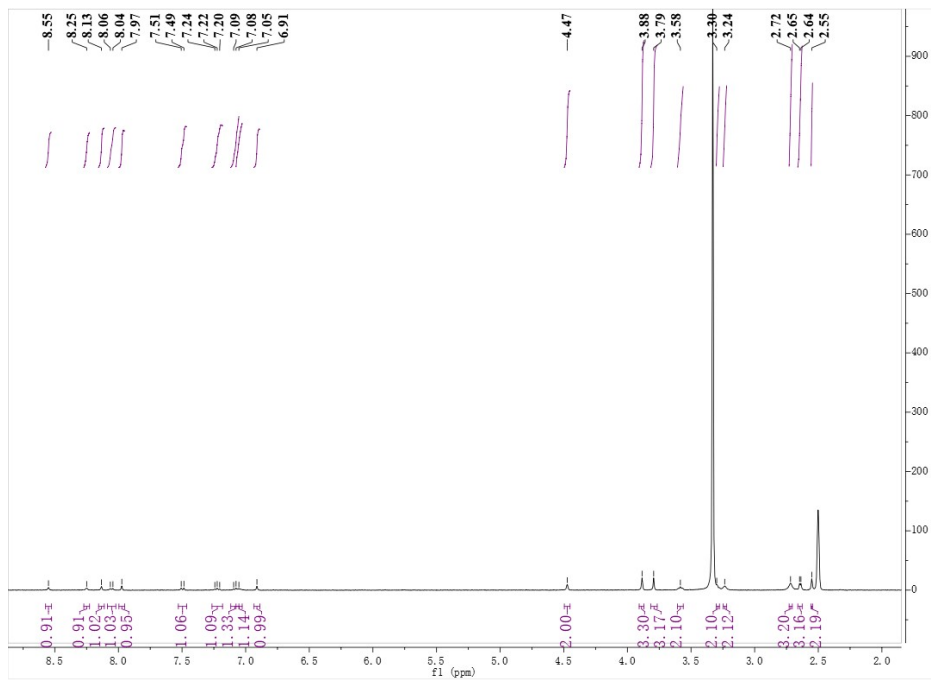


Figure.8. ^1H NMR spectrum of compound S-8

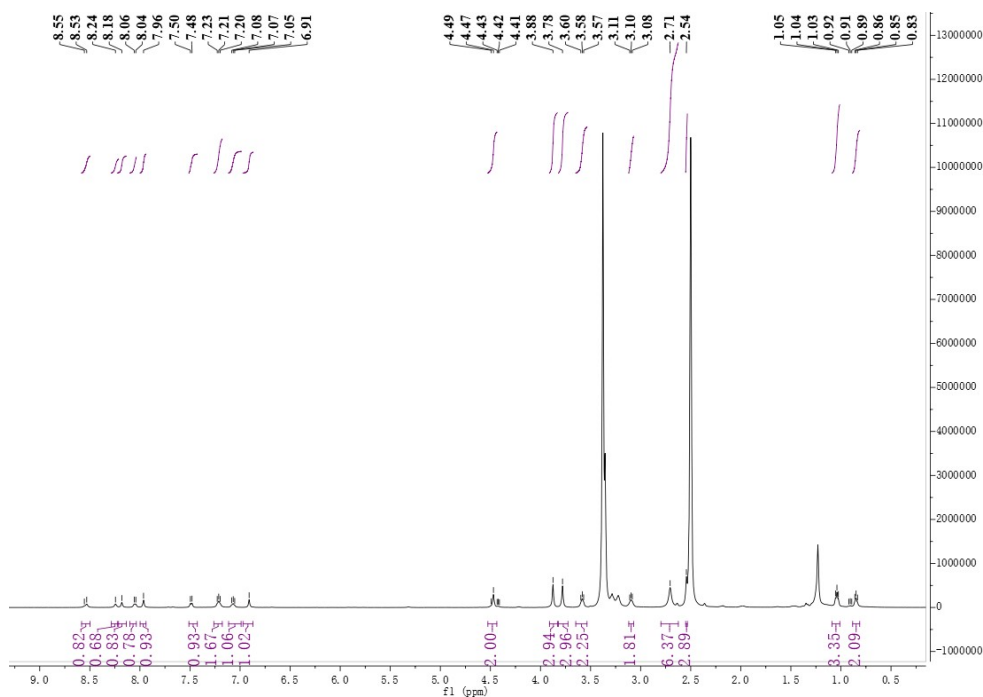


Figure.9. ^1H NMR spectrum of compound S-9

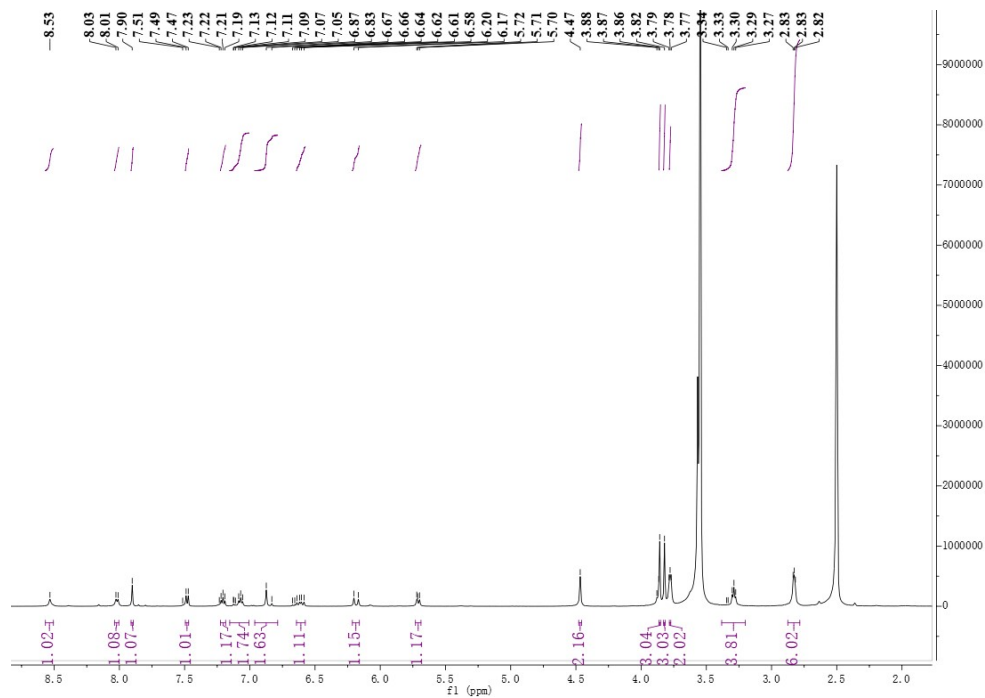


Figure.10. ^1H NMR spectrum of compound S-10

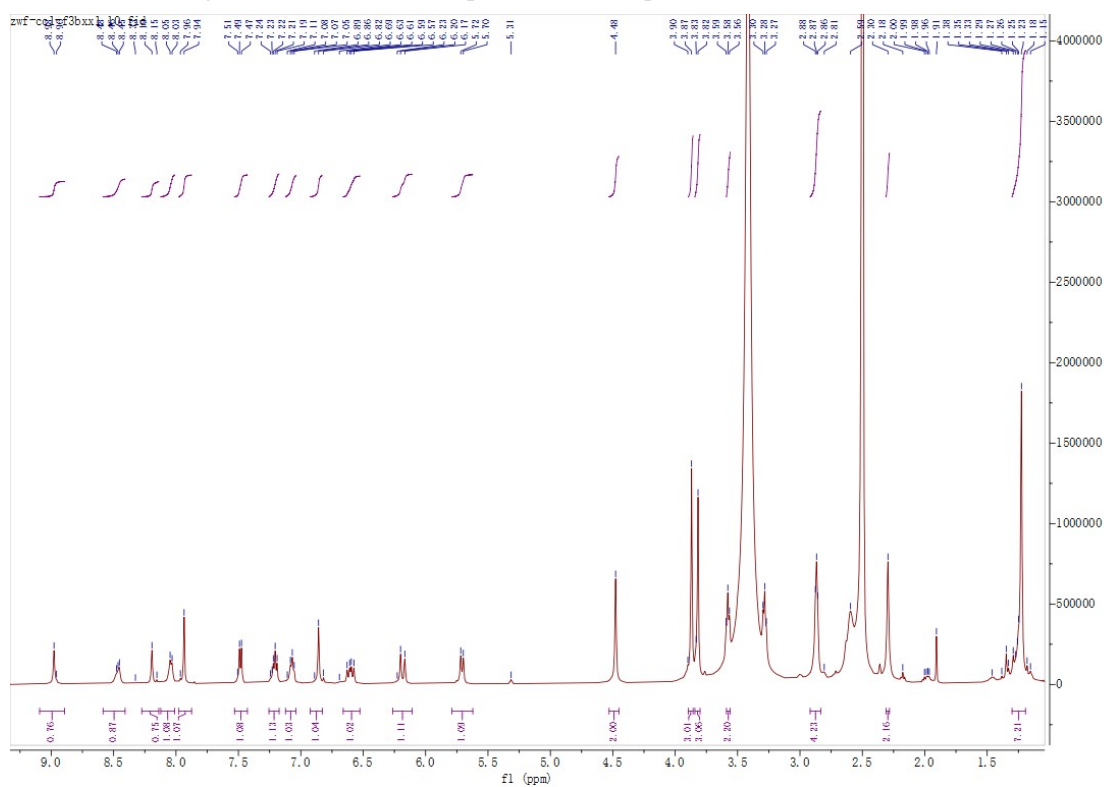


Figure.11. ^1H NMR spectrum of compound S-11

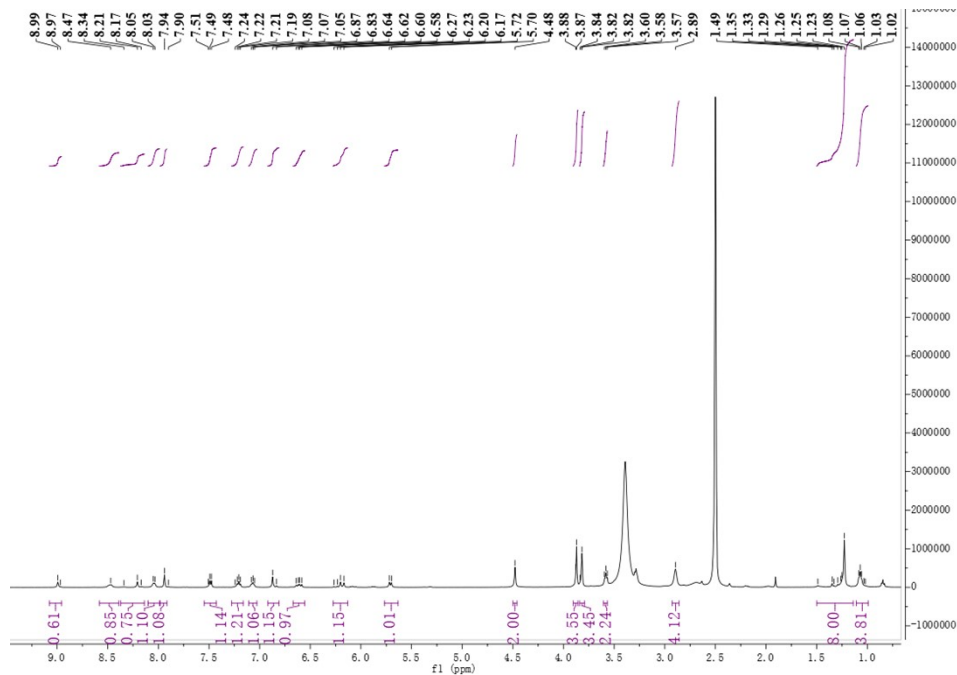


Figure.12. ^1H NMR spectrum of compound S-12

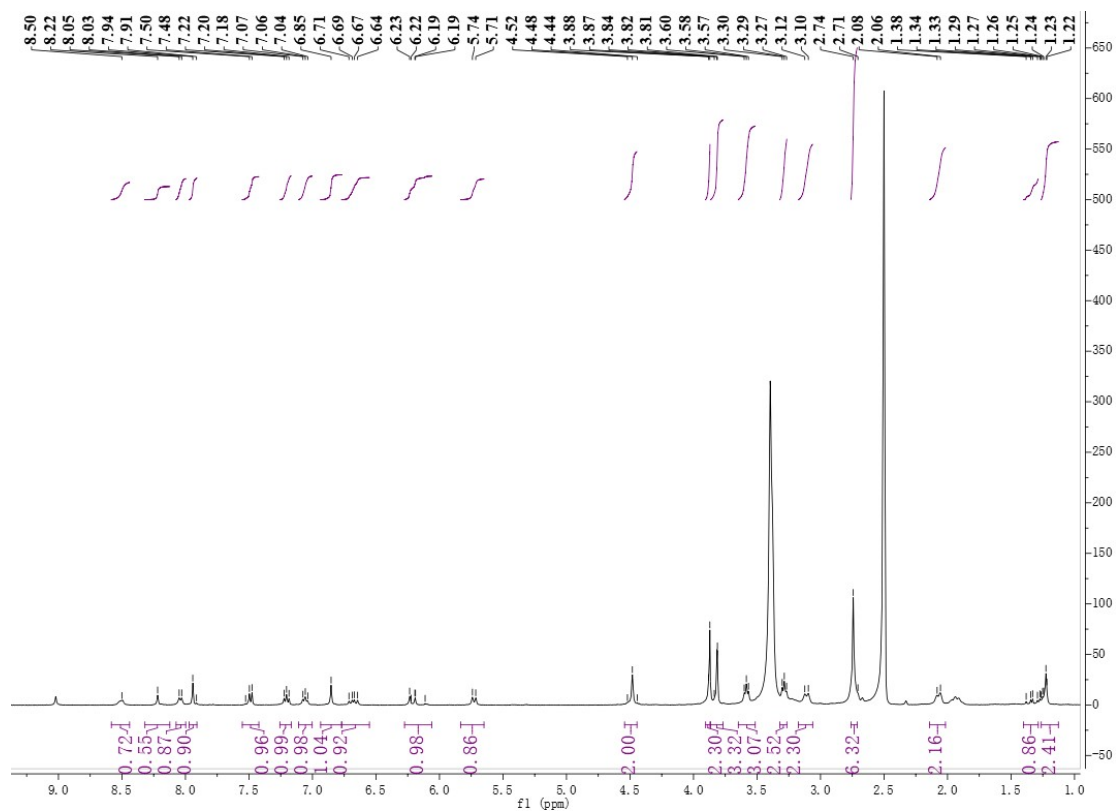


Figure.13. ^1H NMR spectrum of compound S-13

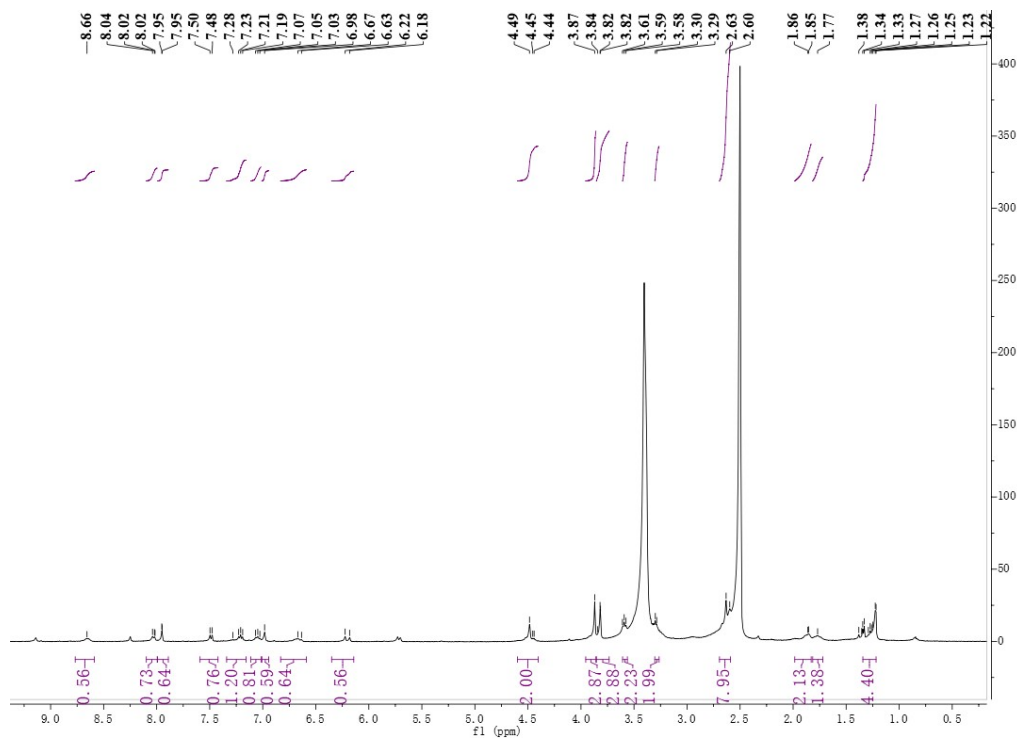


Figure.14. ^1H NMR spectrum of compound S-14

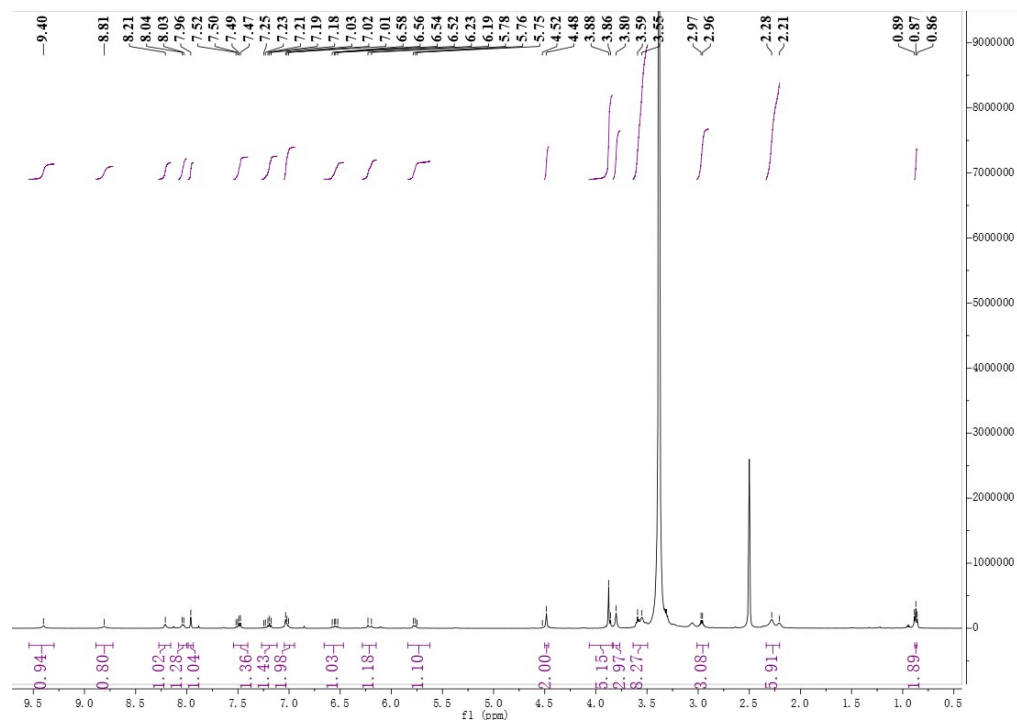


Figure.15. ^1H NMR spectrum of compound S-15

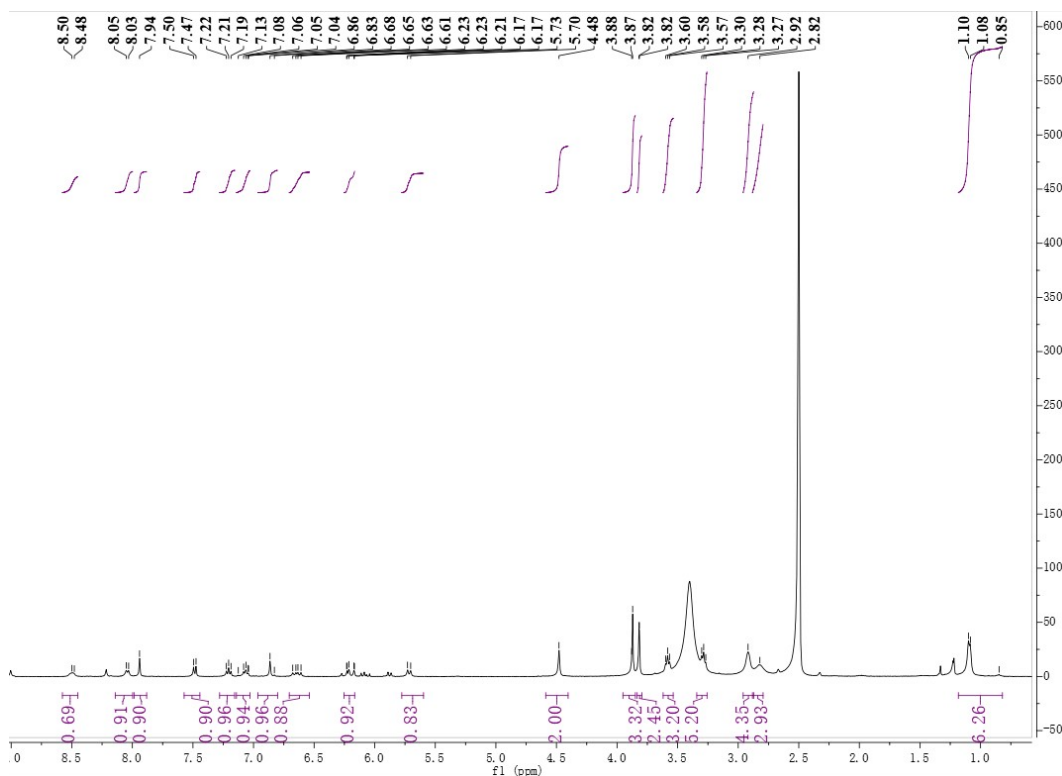


Figure.16. ^1H NMR spectrum of compound S-16

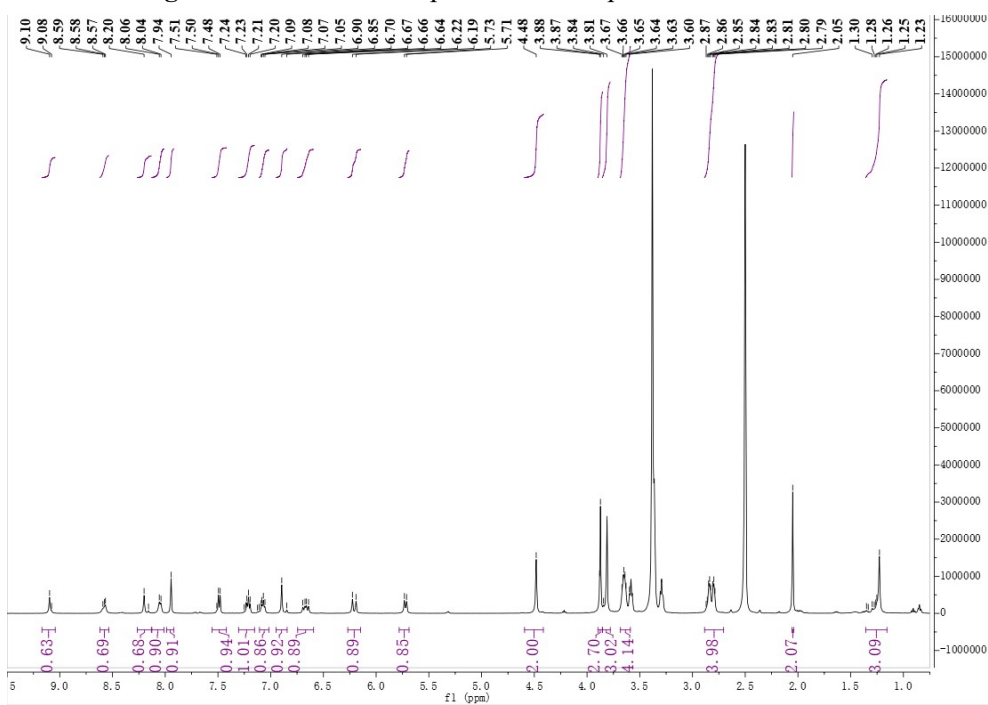


Figure.17. ^1H NMR spectrum of compound S-17

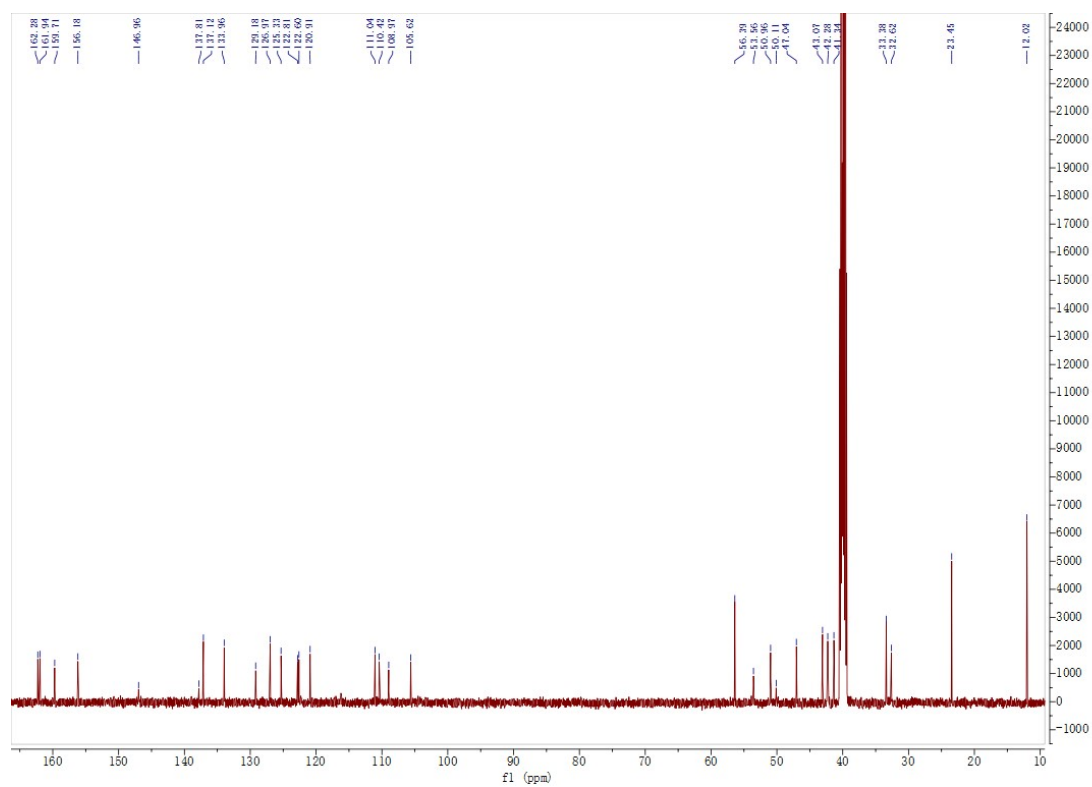


Figure.18. ^{13}C NMR spectrum of compound S-1

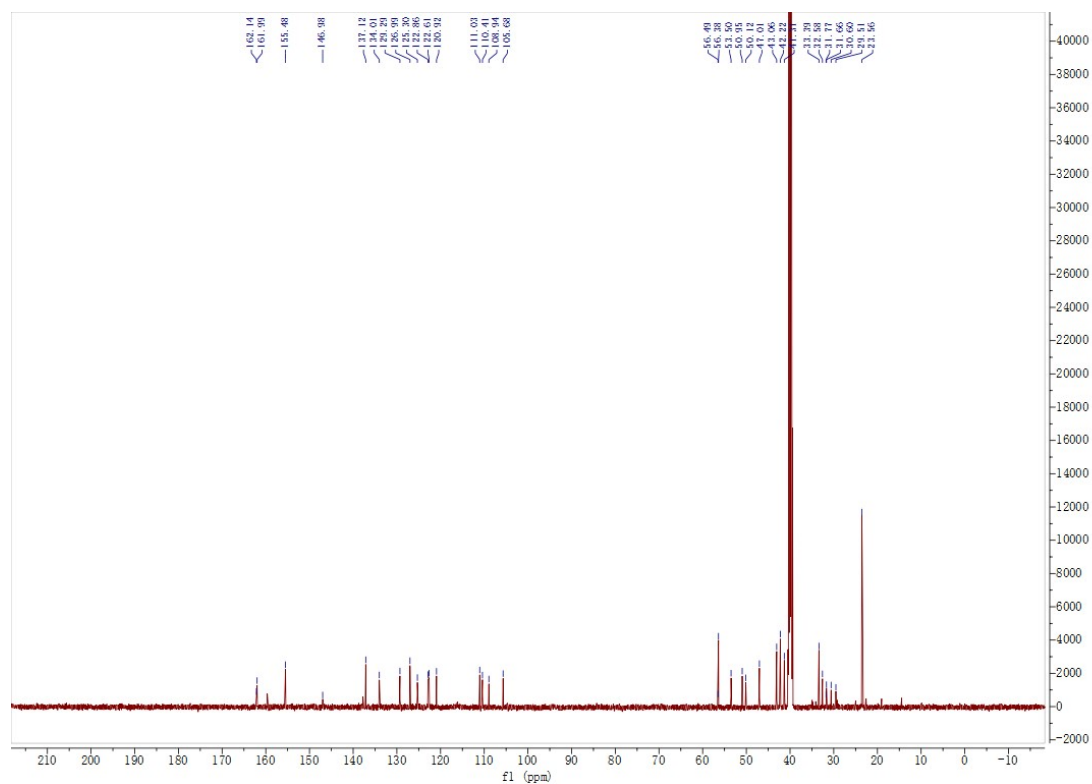


Figure.19. ^{13}C NMR spectrum of compound S-2

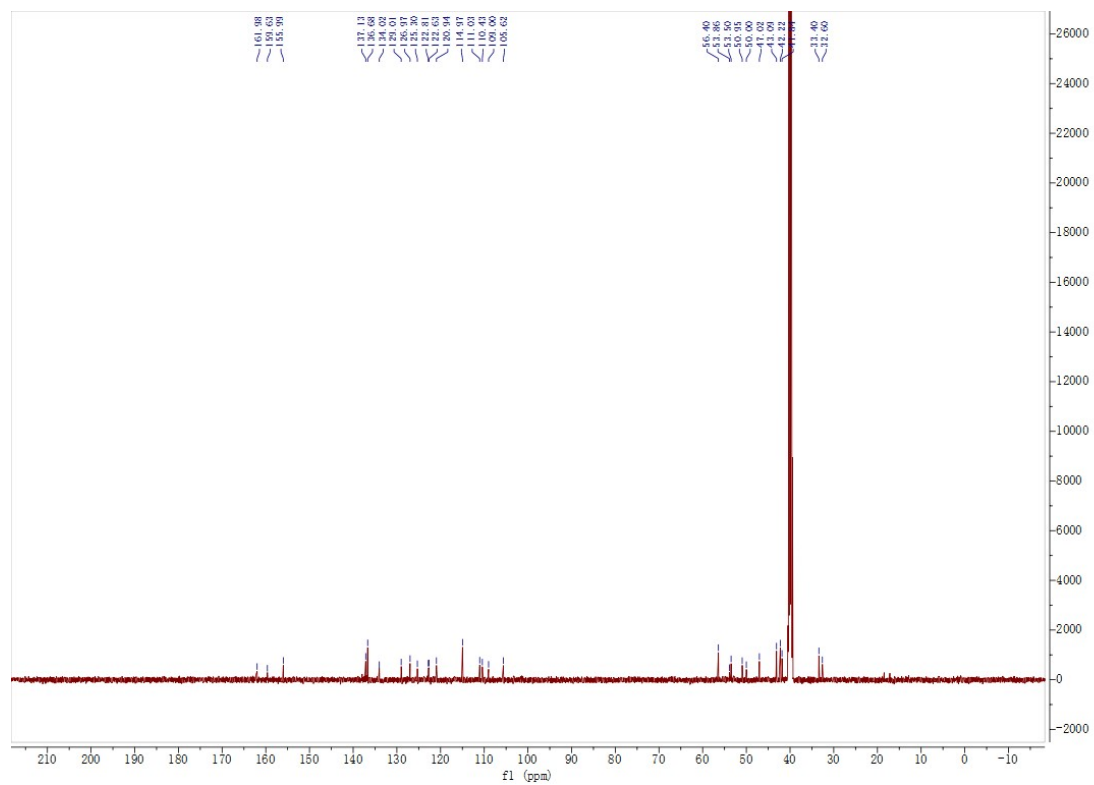


Figure.20. ^{13}C NMR spectrum of compound S-5

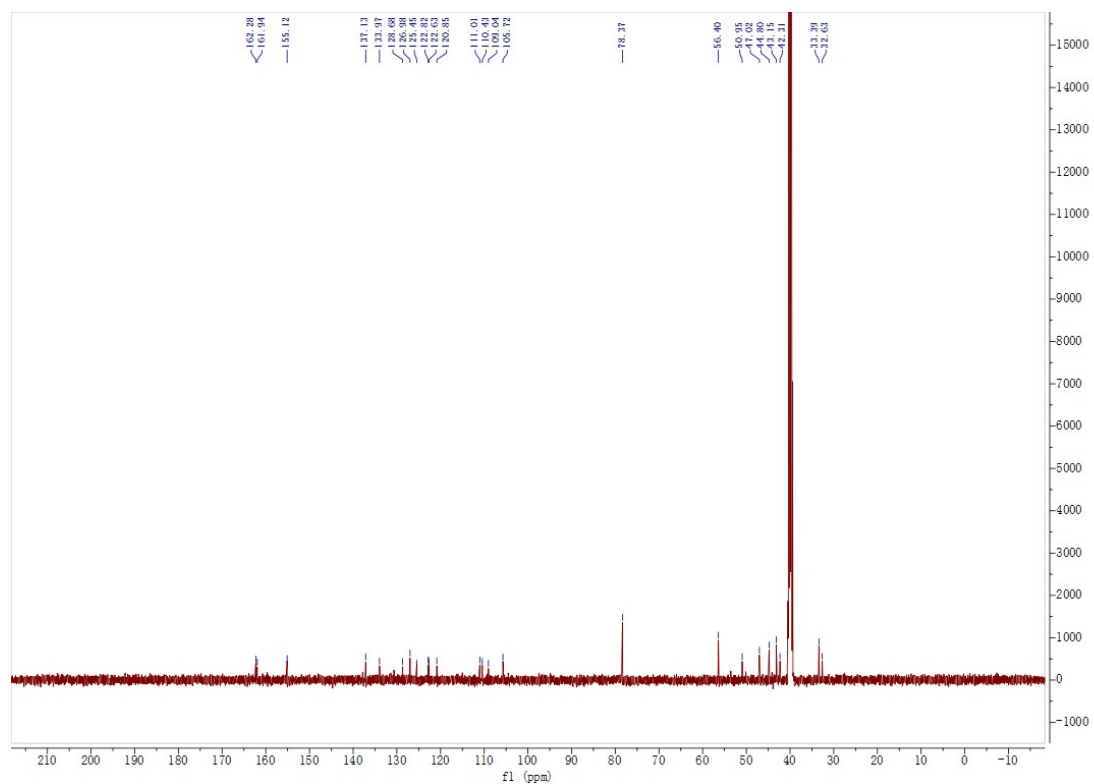


Figure.21. ^{13}C NMR spectrum of compound S-6

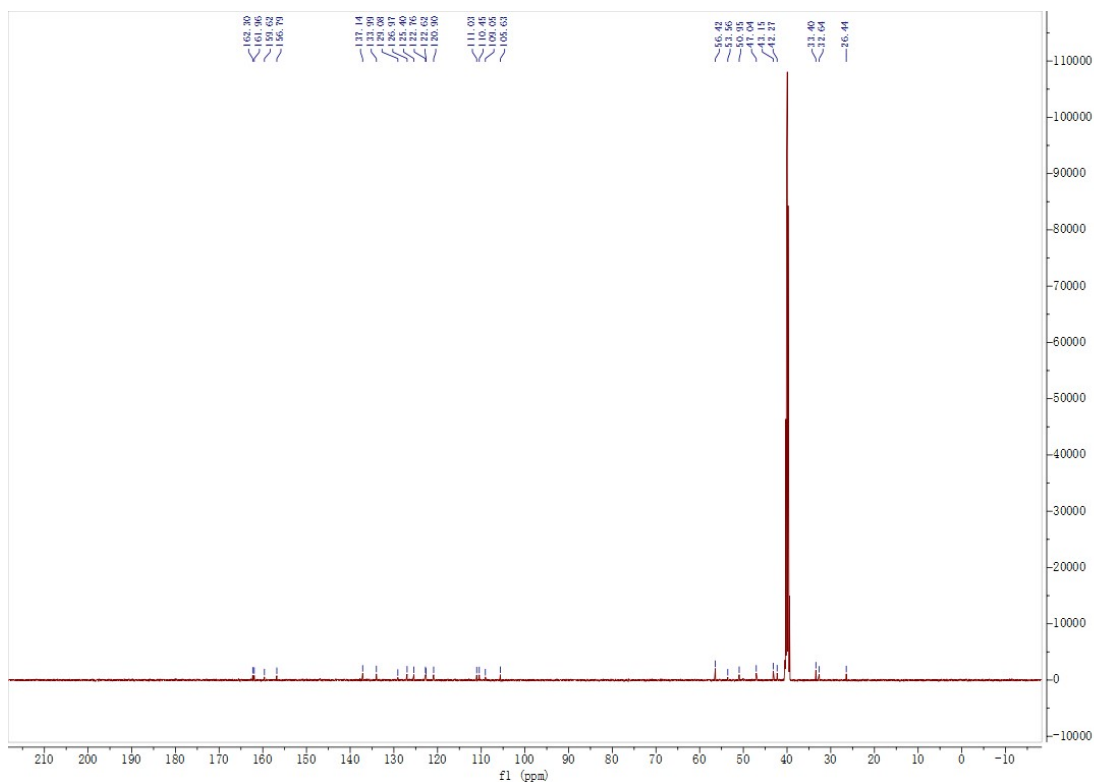


Figure.22. ^{13}C NMR spectrum of compound S-8

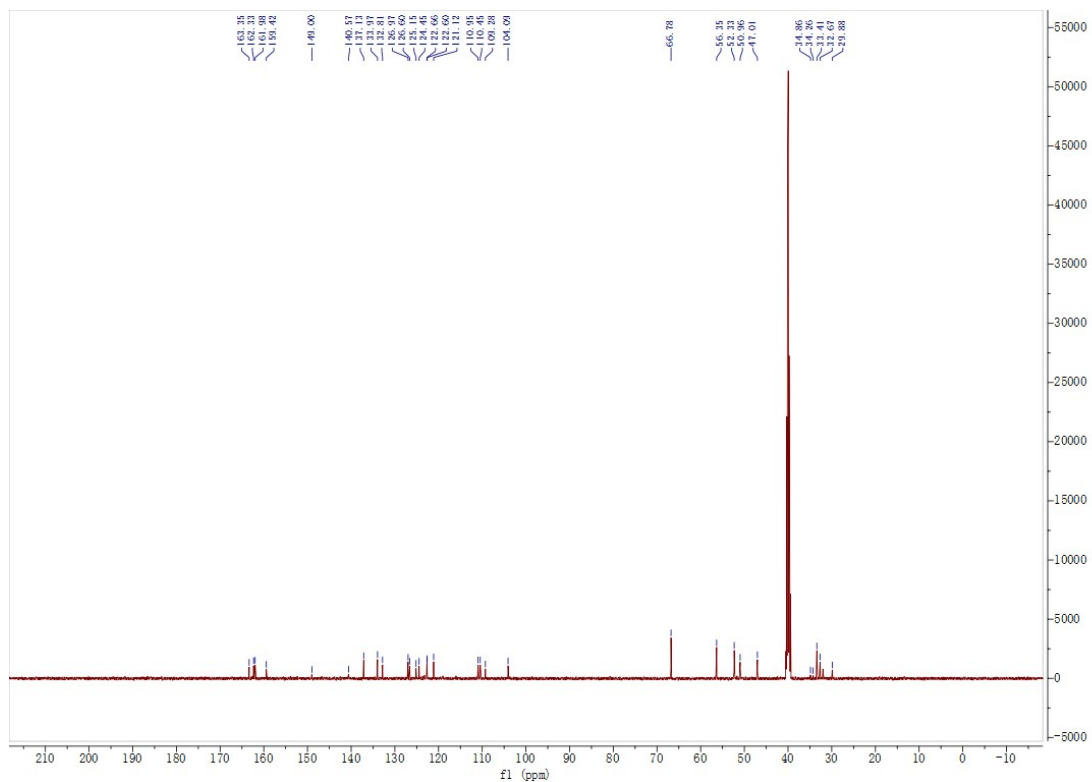


Figure.23. ^{13}C NMR spectrum of compound S-10

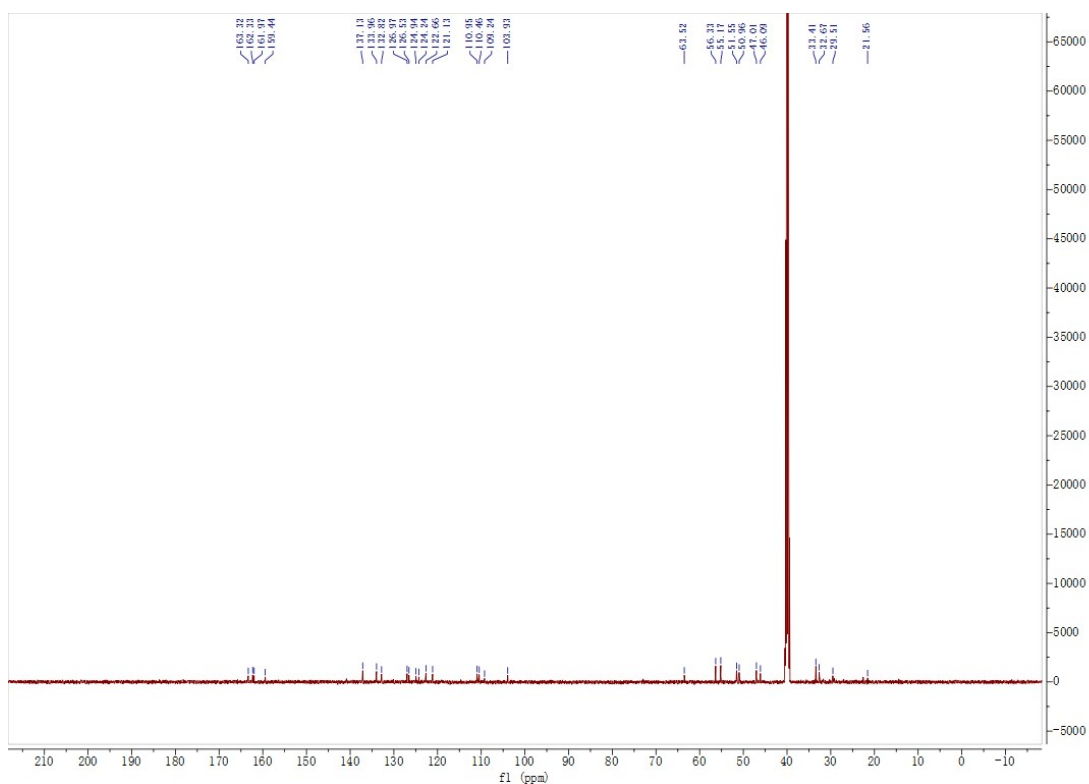


Figure.24. ^{13}C NMR spectrum of compound S-11

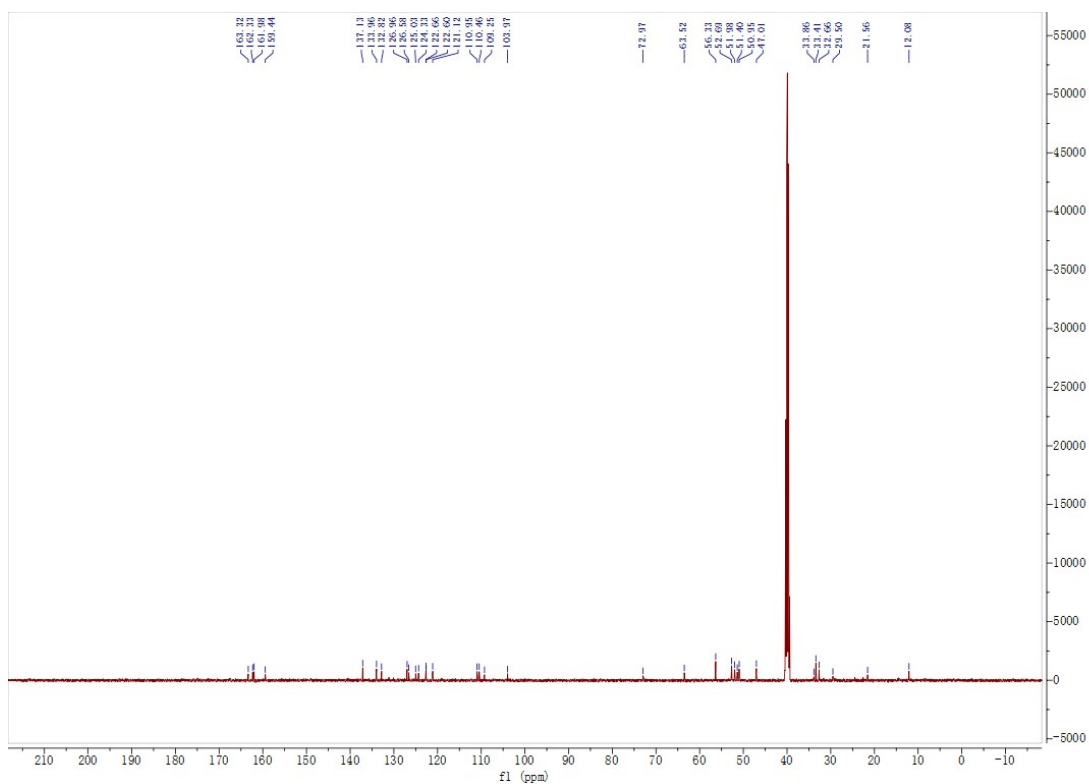


Figure.25. ^{13}C NMR spectrum of compound S-12

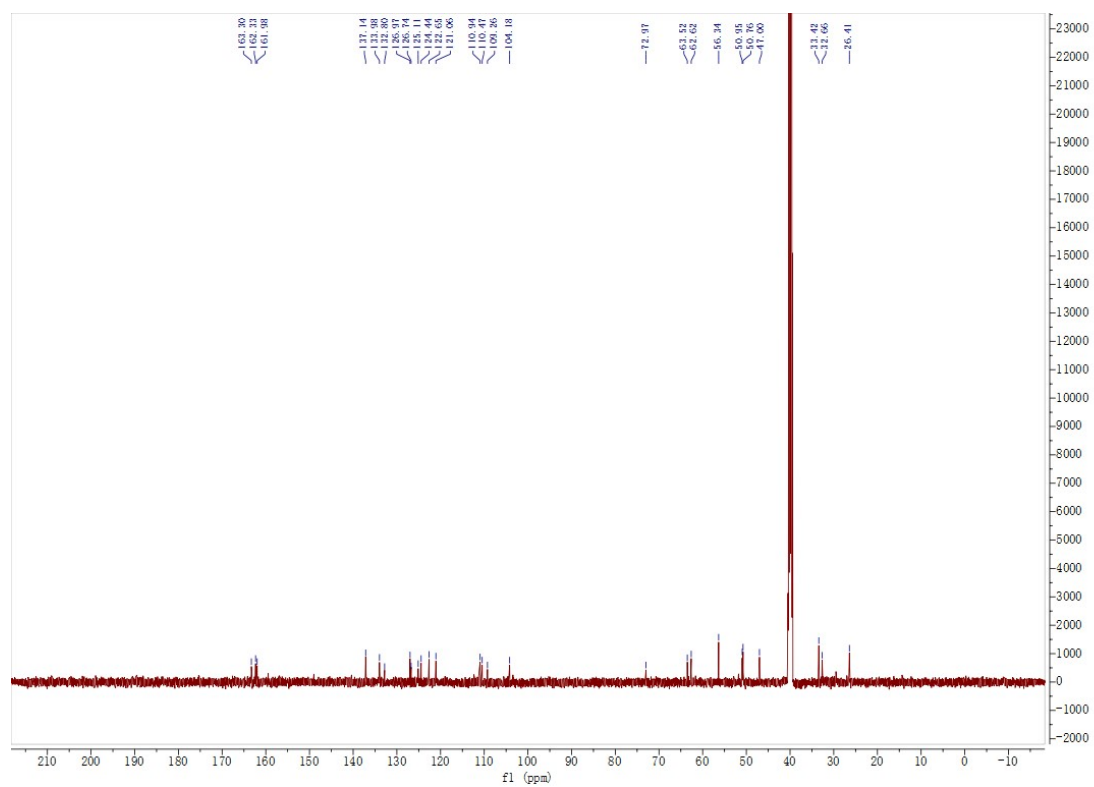


Figure.26. ^{13}C NMR spectrum of compound S-13

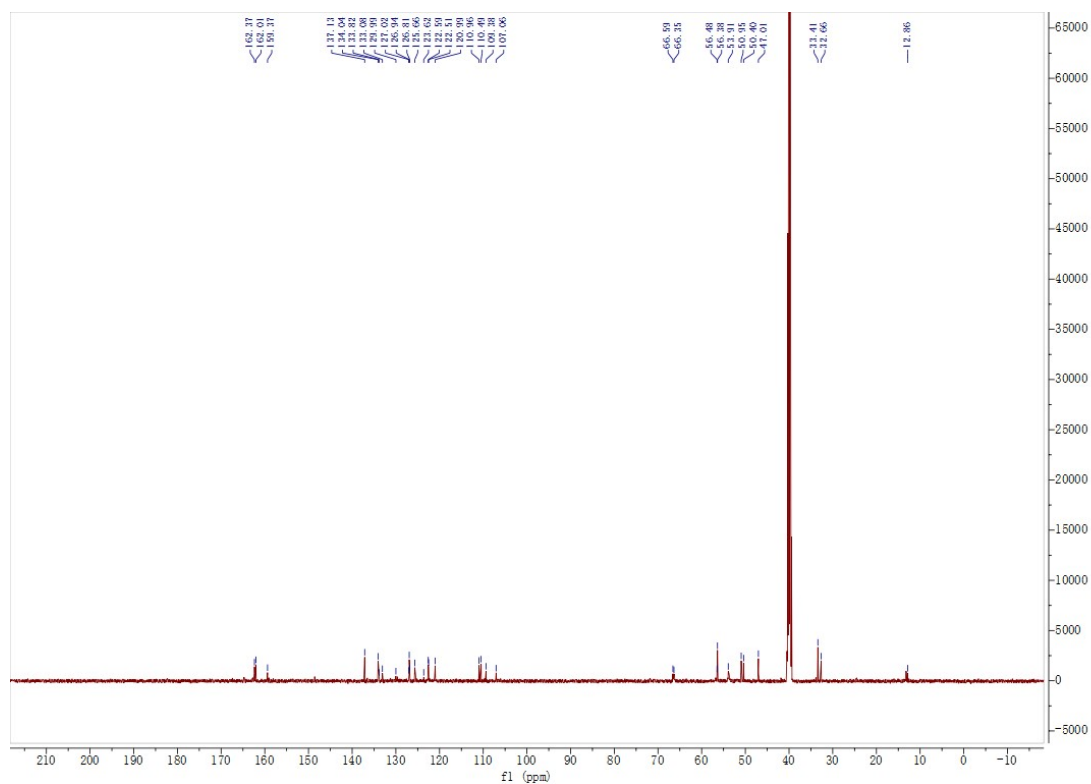


Figure.27. ^{13}C NMR spectrum of compound S-15

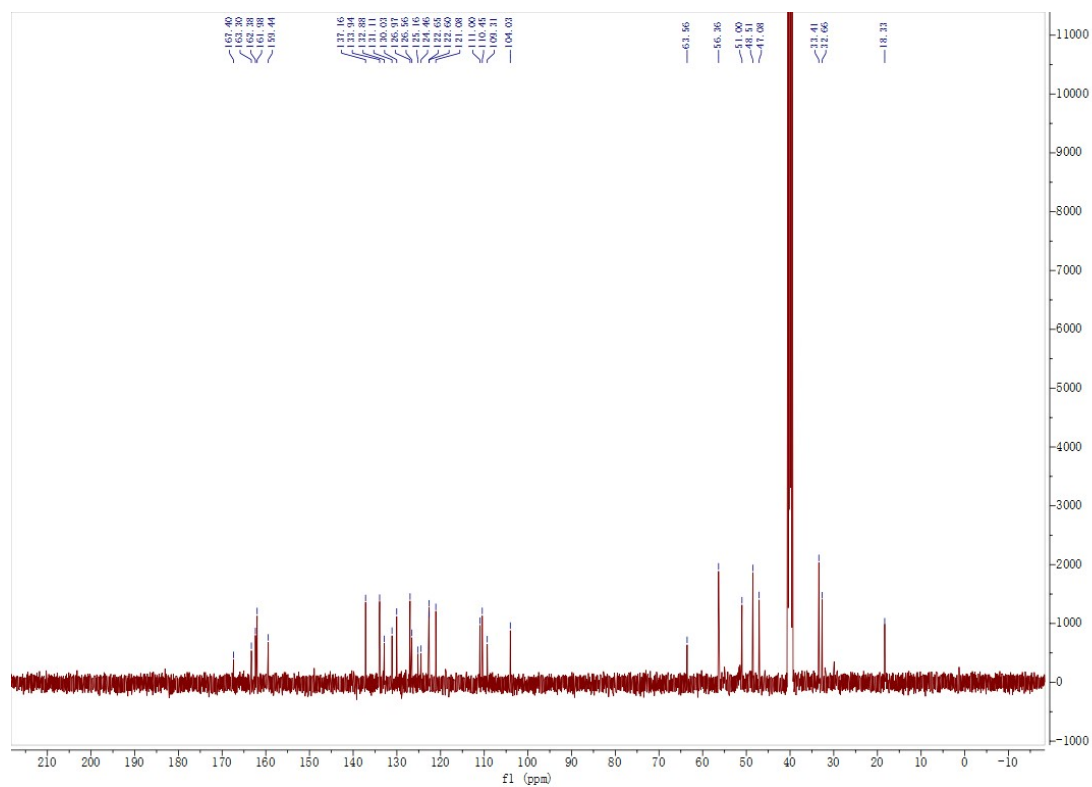


Figure.28. ^{13}C NMR spectrum of compound S-16

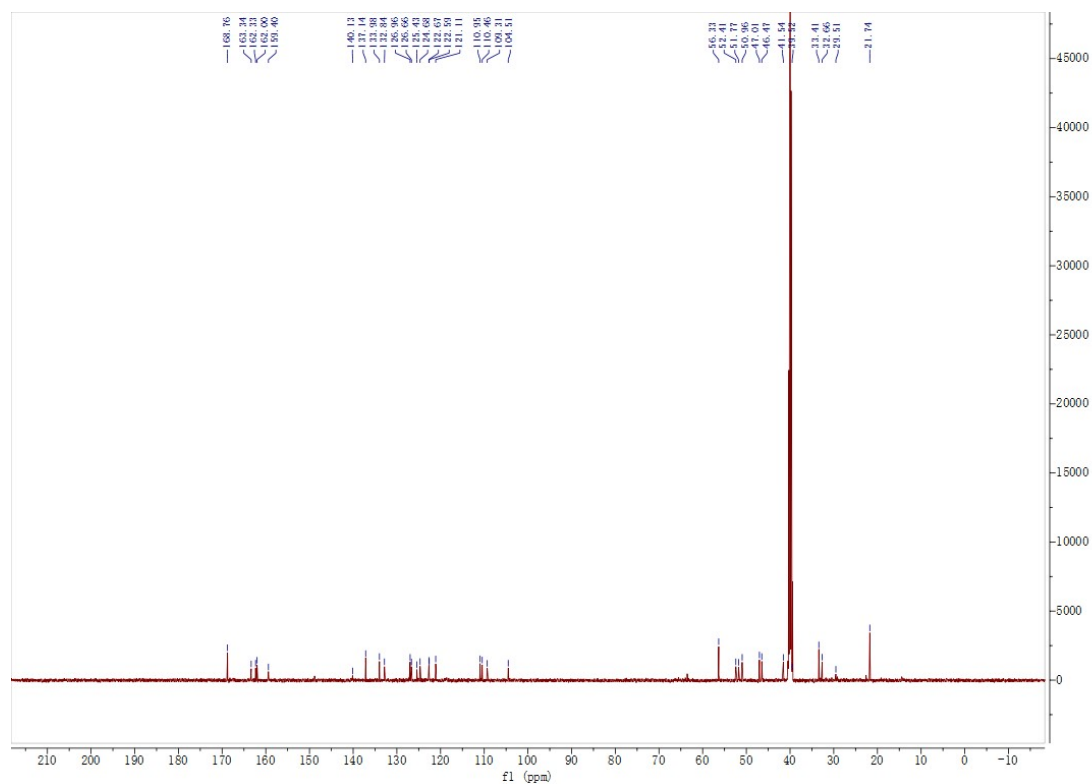


Figure.29. ^{13}C NMR spectrum of compound S-17

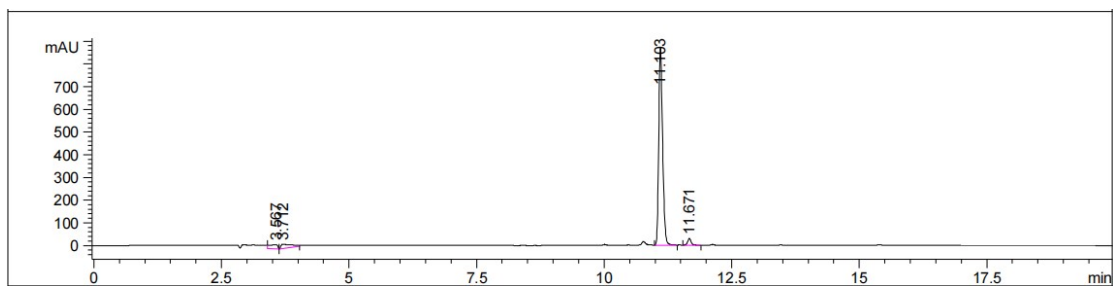


Figure.30. HPLC spectrum of compound S-1

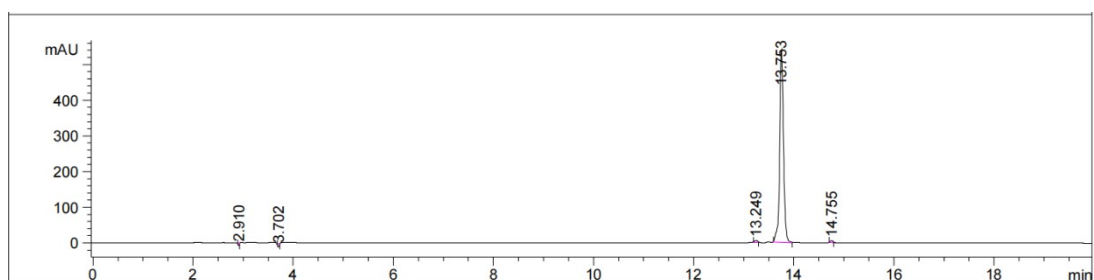


Figure.31. HPLC spectrum of compound S-2

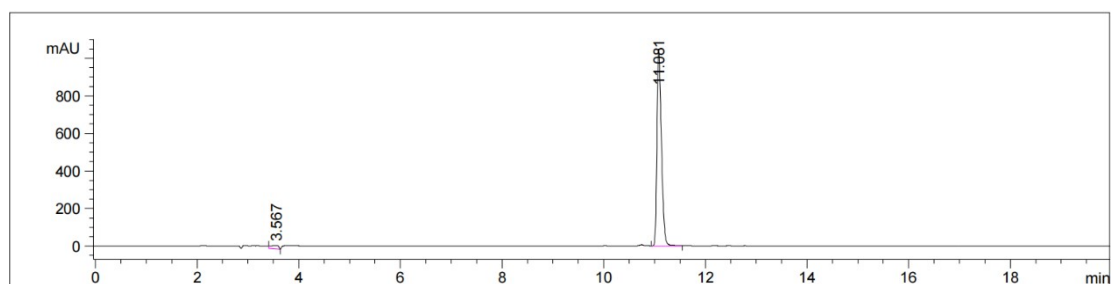


Figure.32. HPLC spectrum of compound S-3

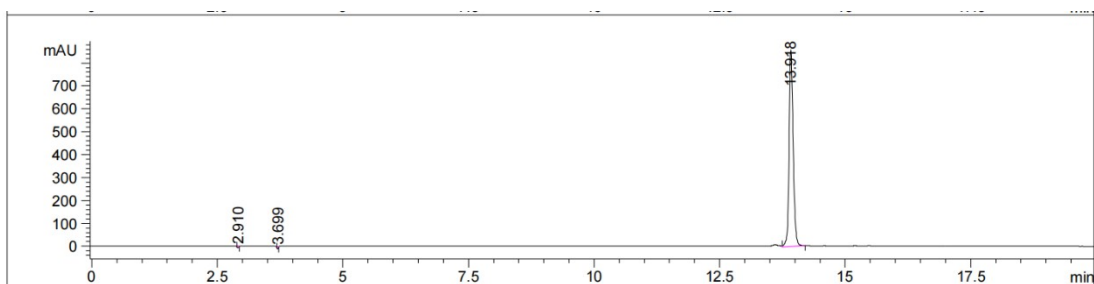


Figure.33. HPLC spectrum of compound S-4

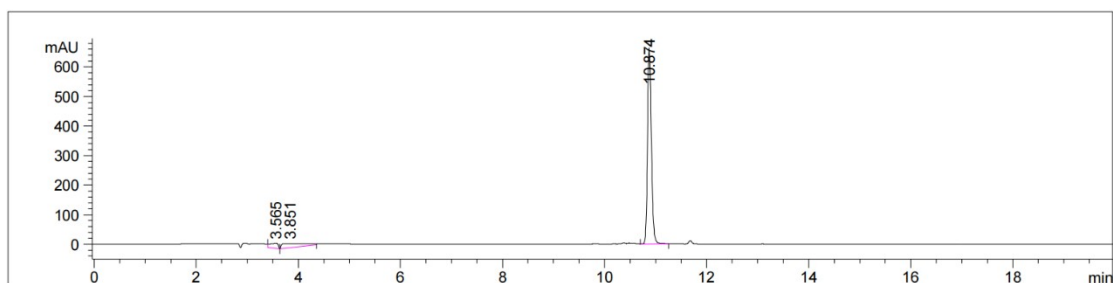


Figure.34. HPLC spectrum of compound S-5

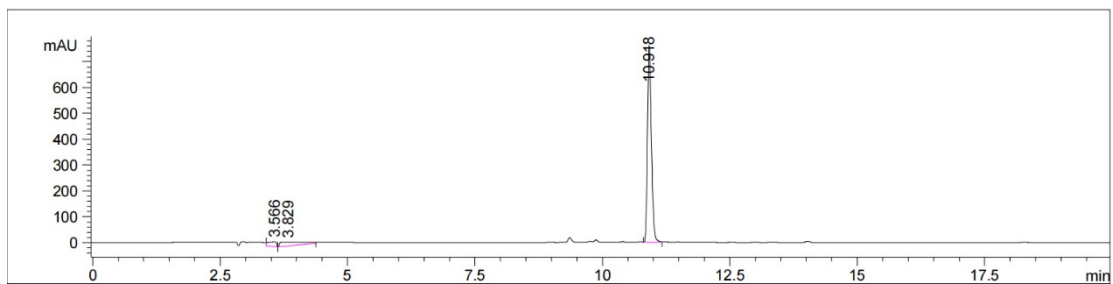


Figure.35. HPLC spectrum of compound S-6

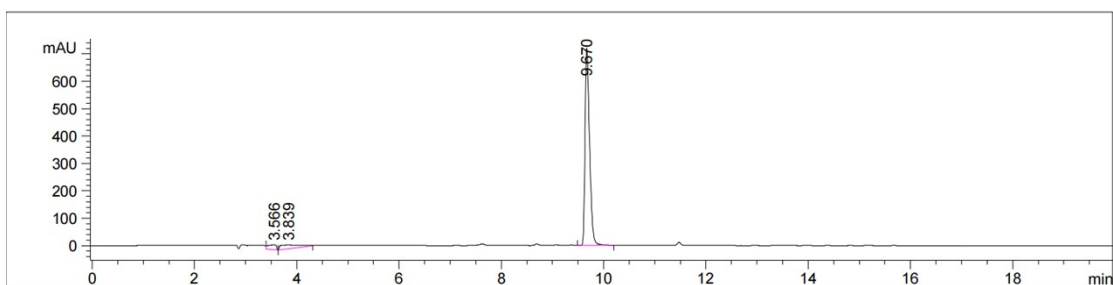


Figure.36. HPLC spectrum of compound S-7

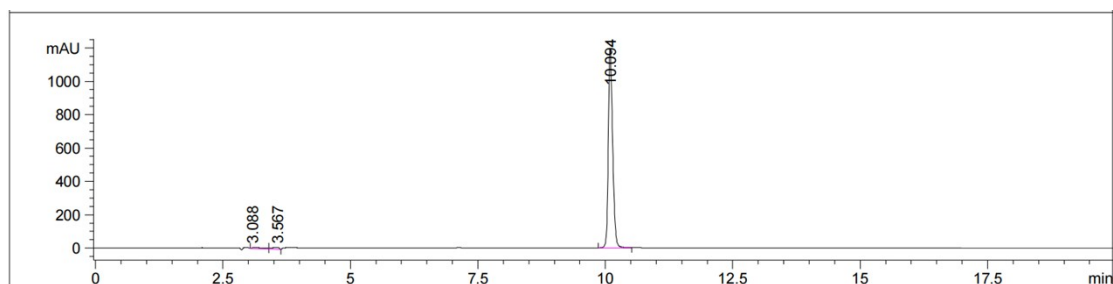


Figure.37. HPLC spectrum of compound S-8

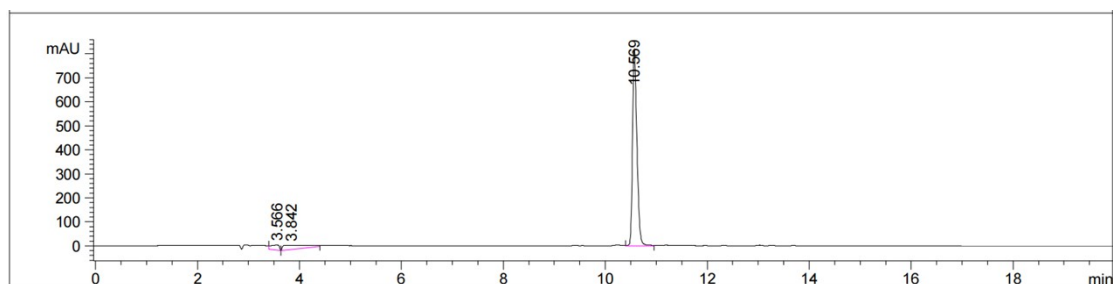


Figure.38. HPLC spectrum of compound S-9

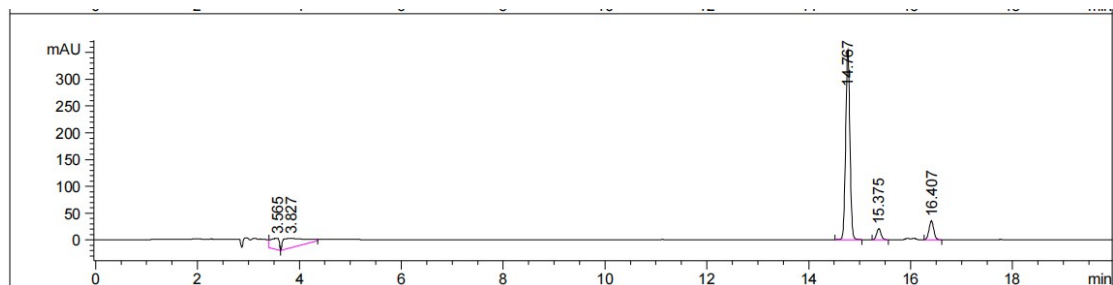


Figure.39. HPLC spectrum of compound S-10

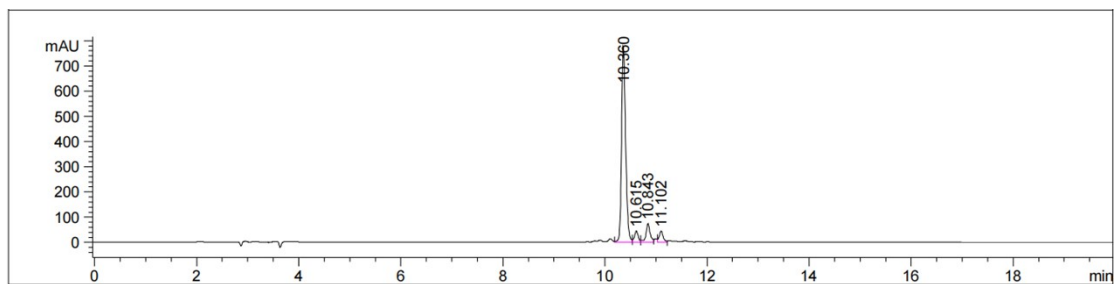


Figure.40. HPLC spectrum of compound S-11

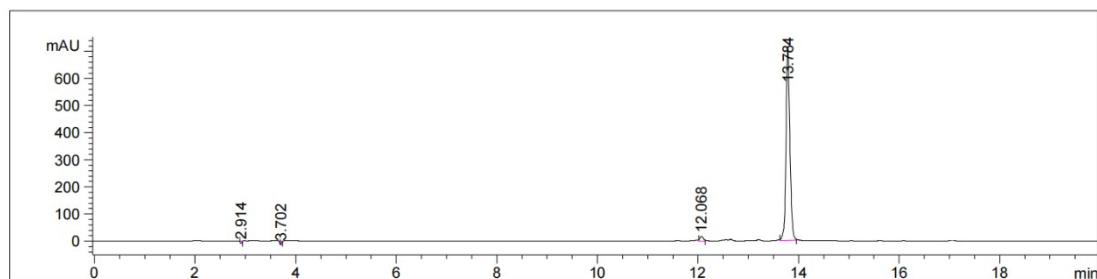


Figure.41. HPLC spectrum of compound S-12

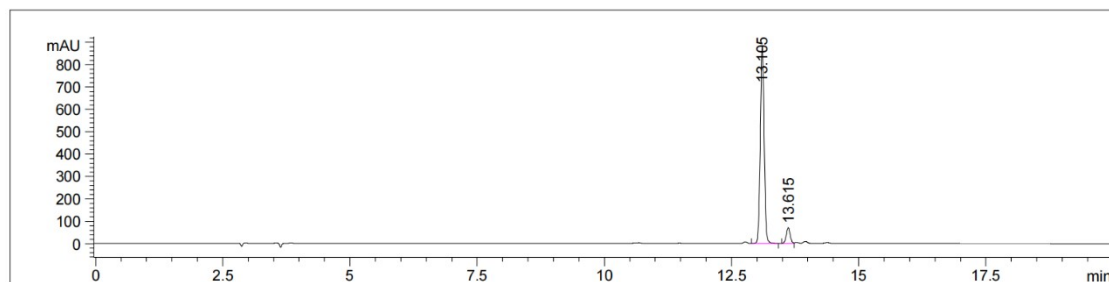


Figure.42. HPLC spectrum of compound S-13

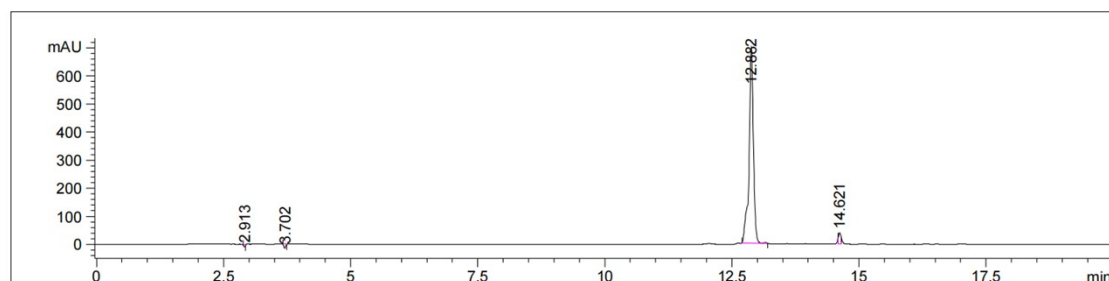


Figure.43. HPLC spectrum of compound S-14

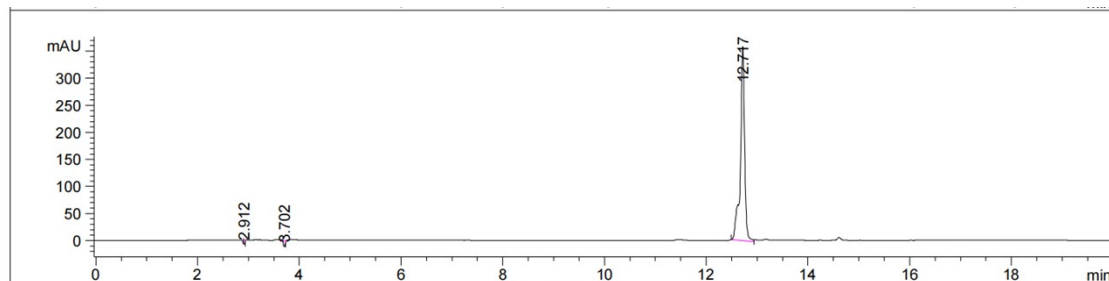


Figure.44. HPLC spectrum of compound S-15

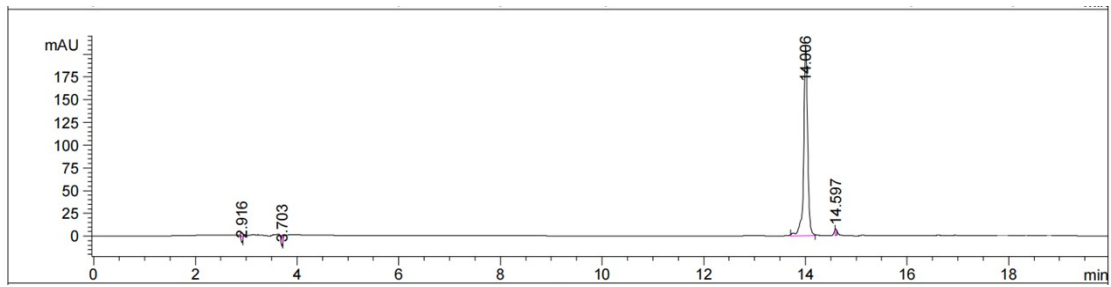


Figure.45. HPLC spectrum of compound S-16

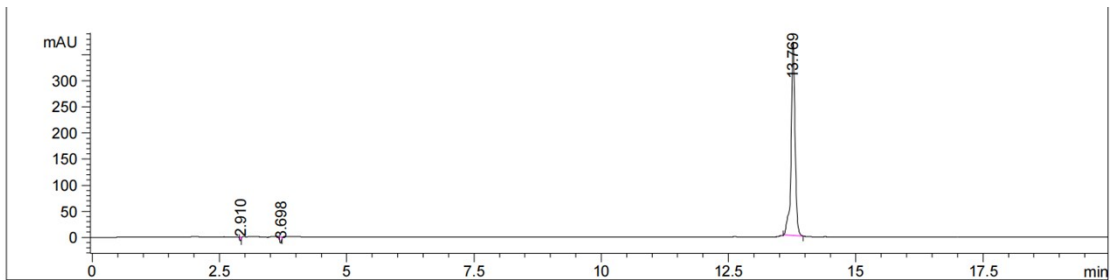


Figure.46. HPLC spectrum of compound S-17

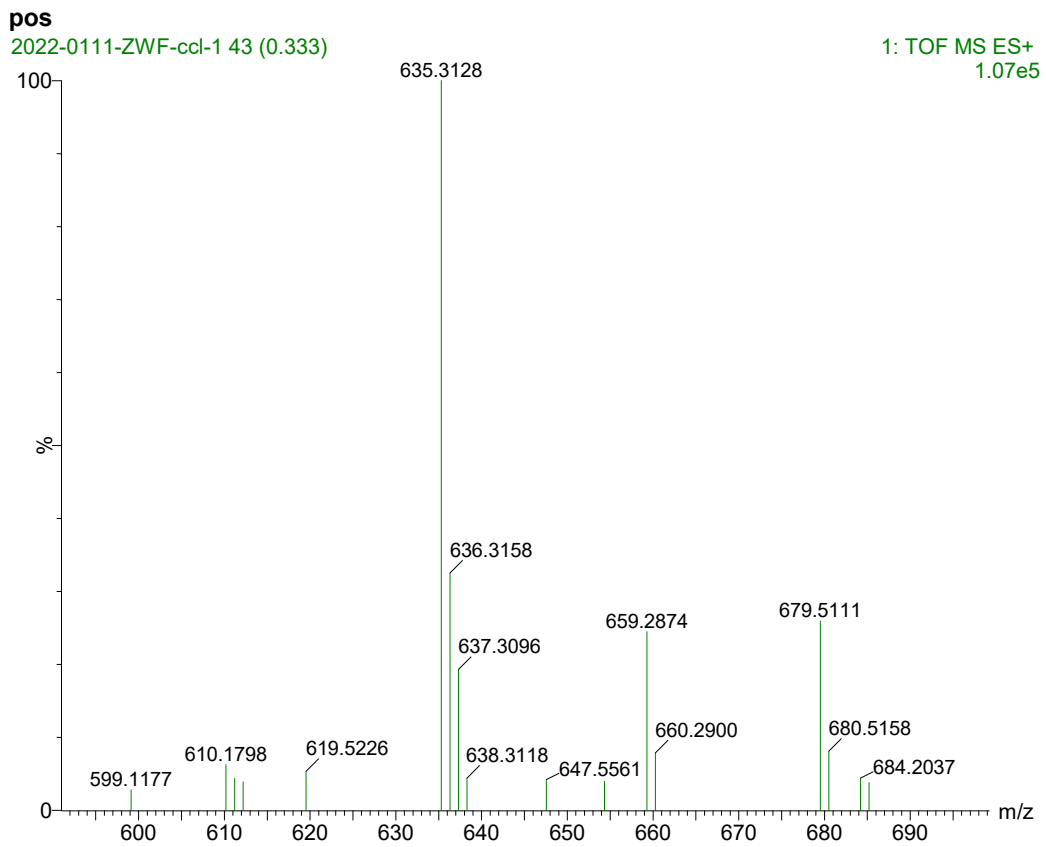


Figure.47. TOF MS spectrum of compound S-1

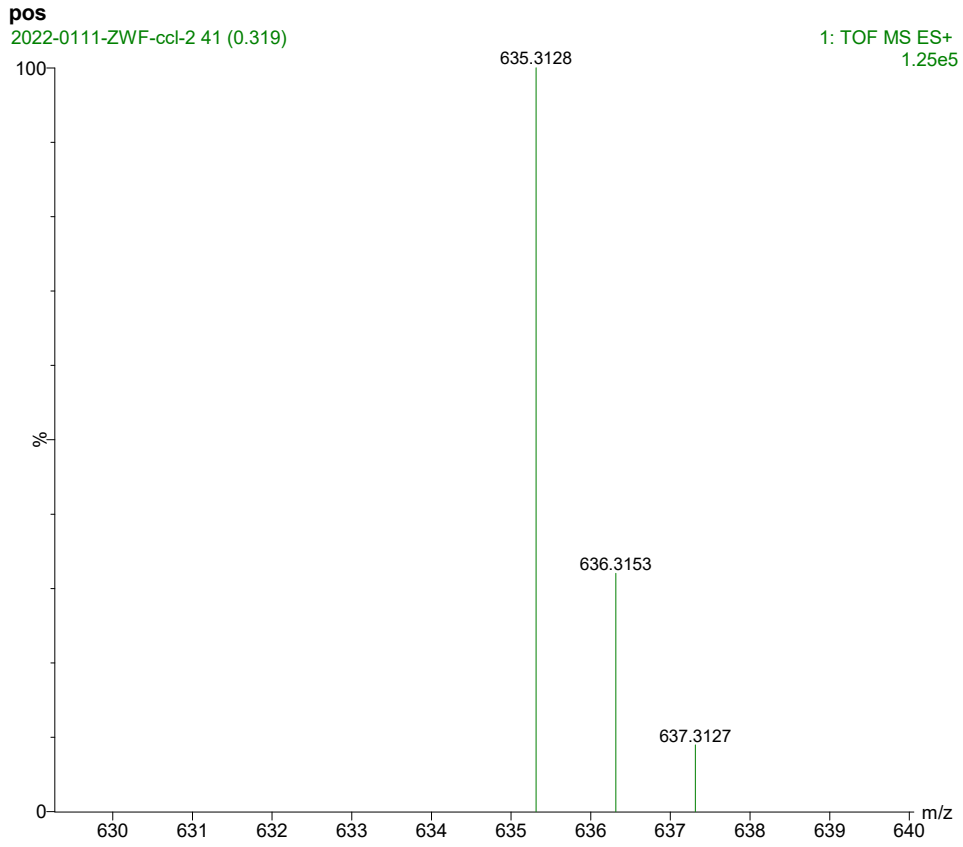


Figure.48. TOF MS spectrum of compound S-2

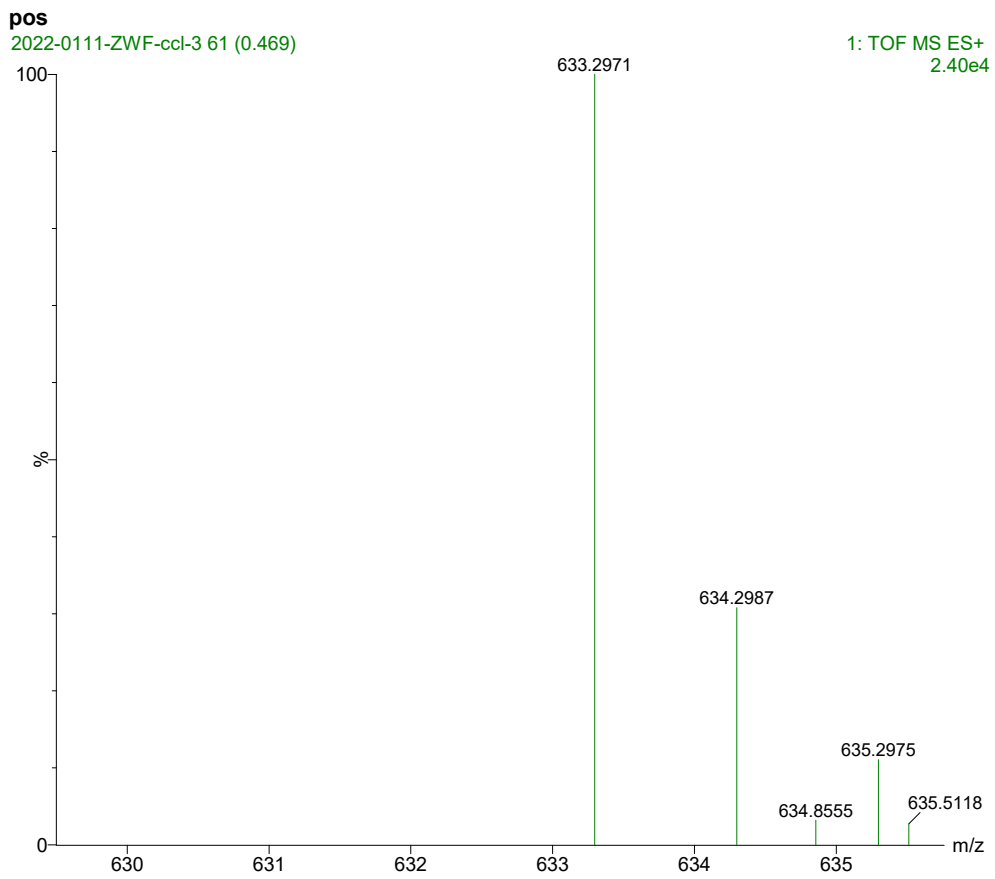


Figure.49. TOF MS spectrum of compound S-3

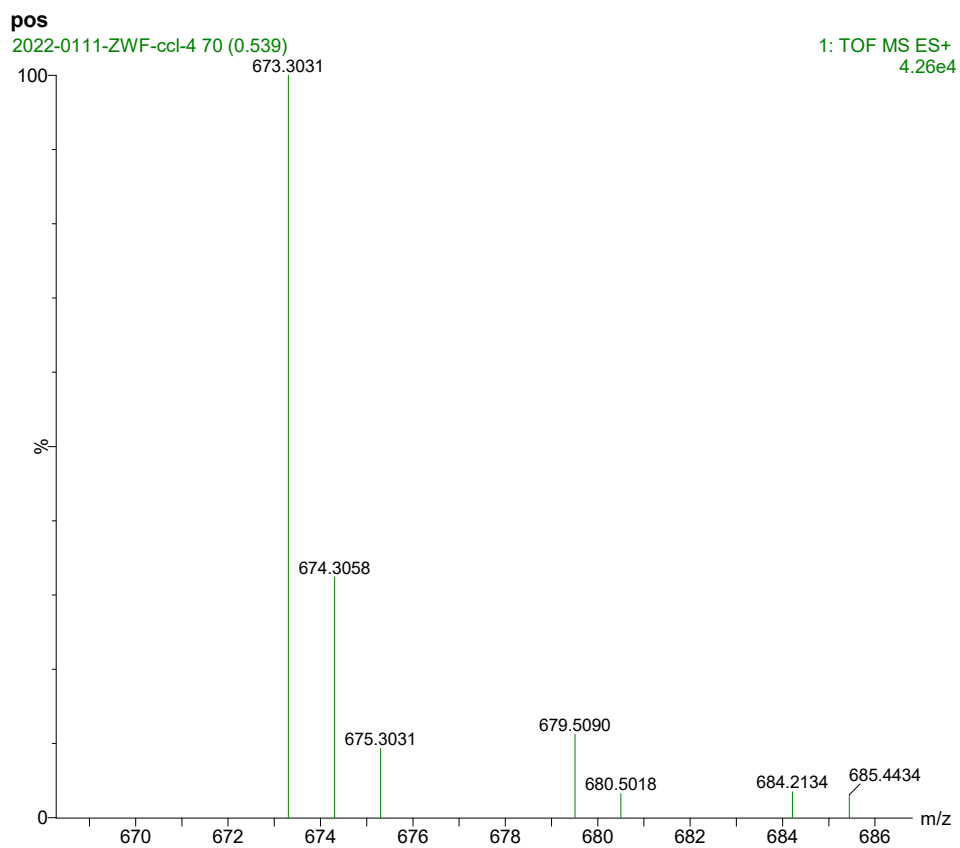


Figure.50. TOF MS spectrum of compound S-4

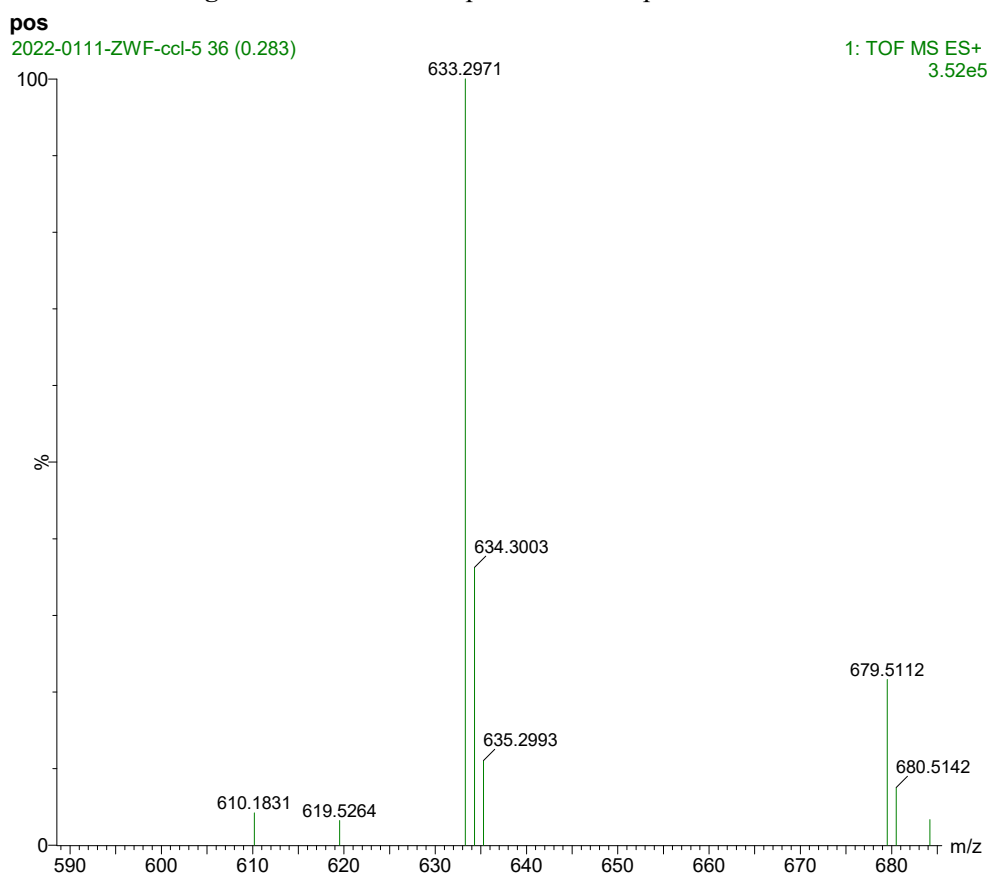


Figure.51. TOF MS spectrum of compound S-5

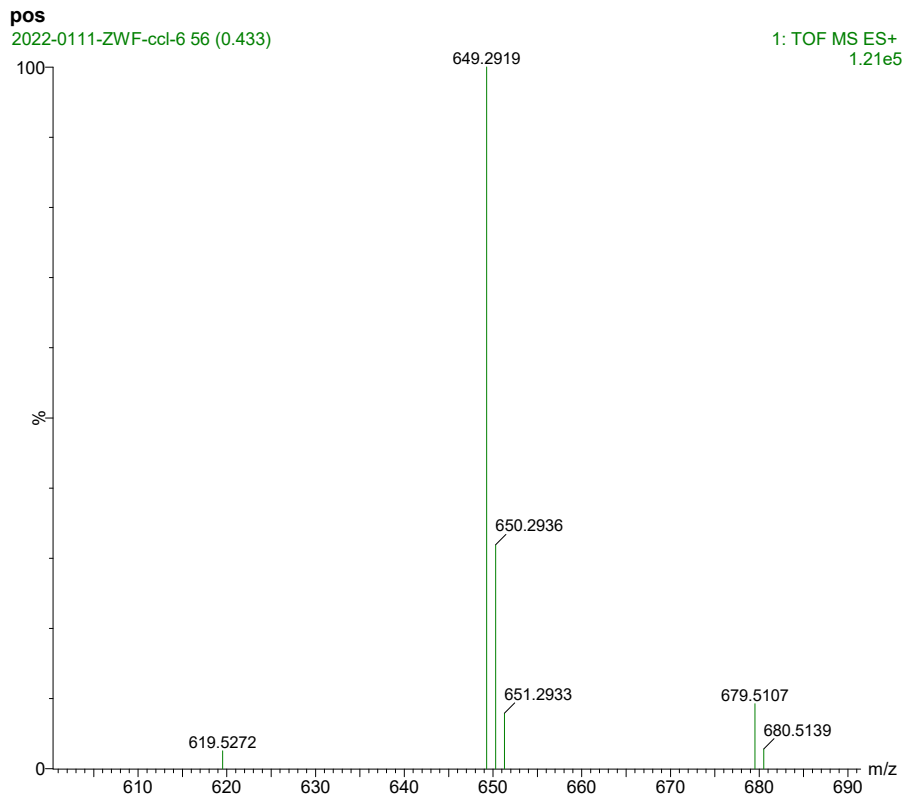


Figure.52. TOF MS spectrum of compound S-6

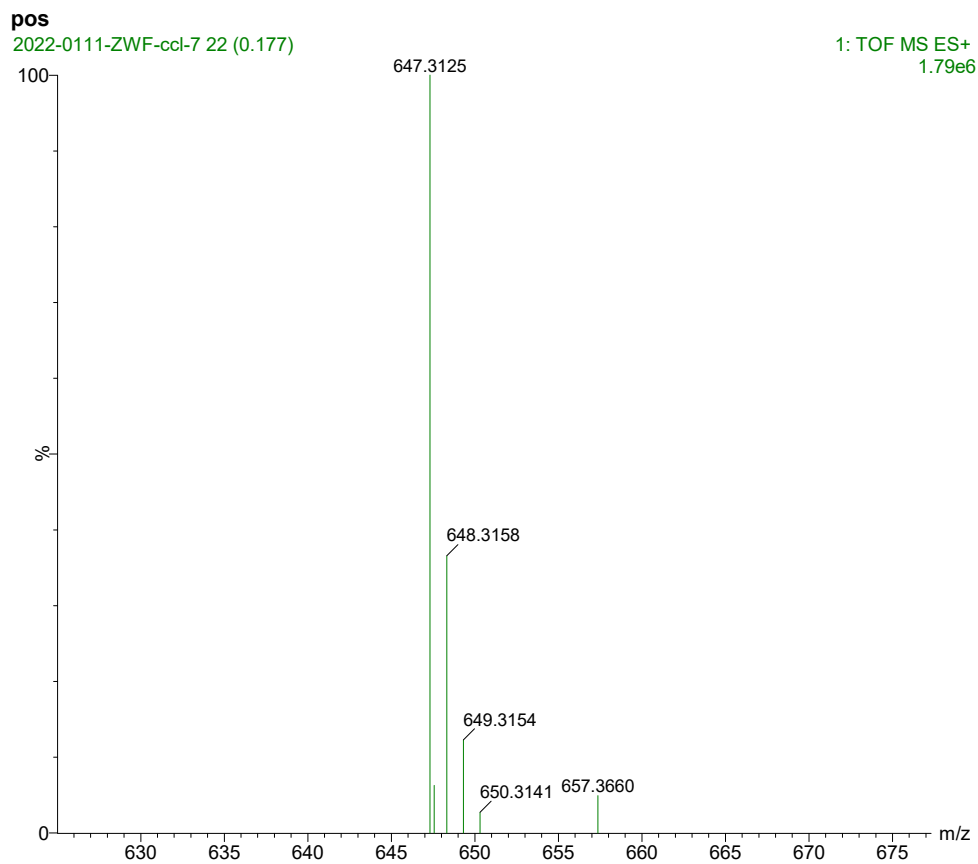


Figure.53. TOF MS spectrum of compound S-7

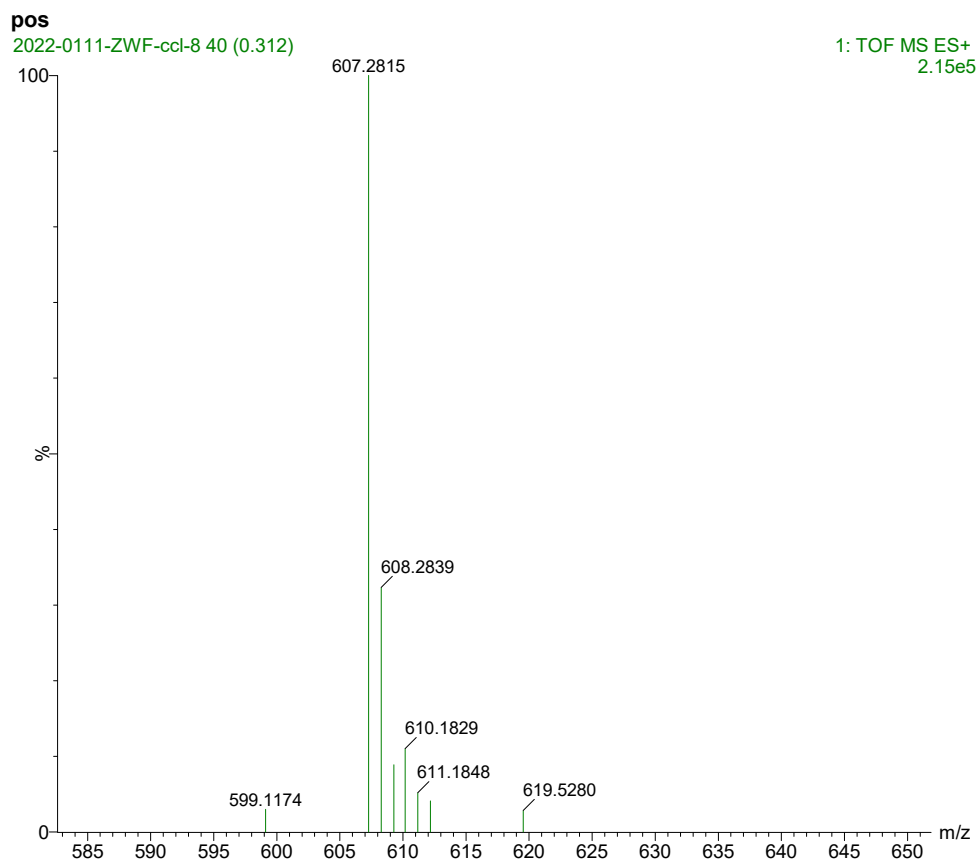


Figure.54. TOF MS spectrum of compound S-8

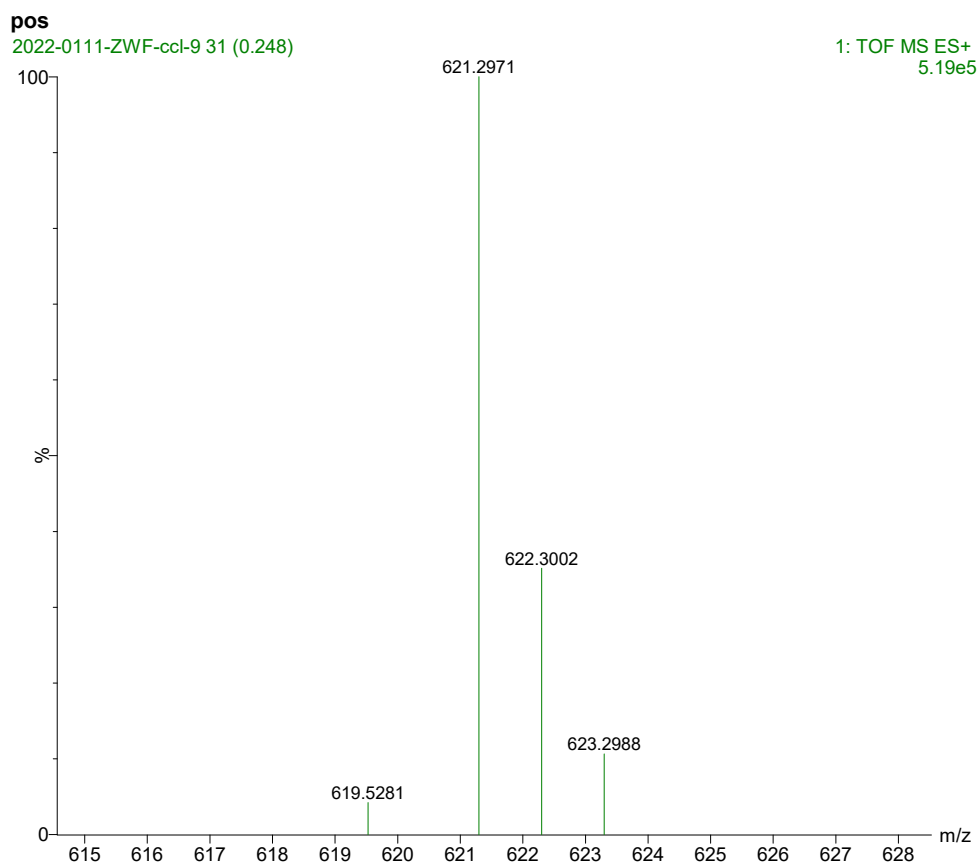


Figure.55. TOF MS spectrum of compound S-9

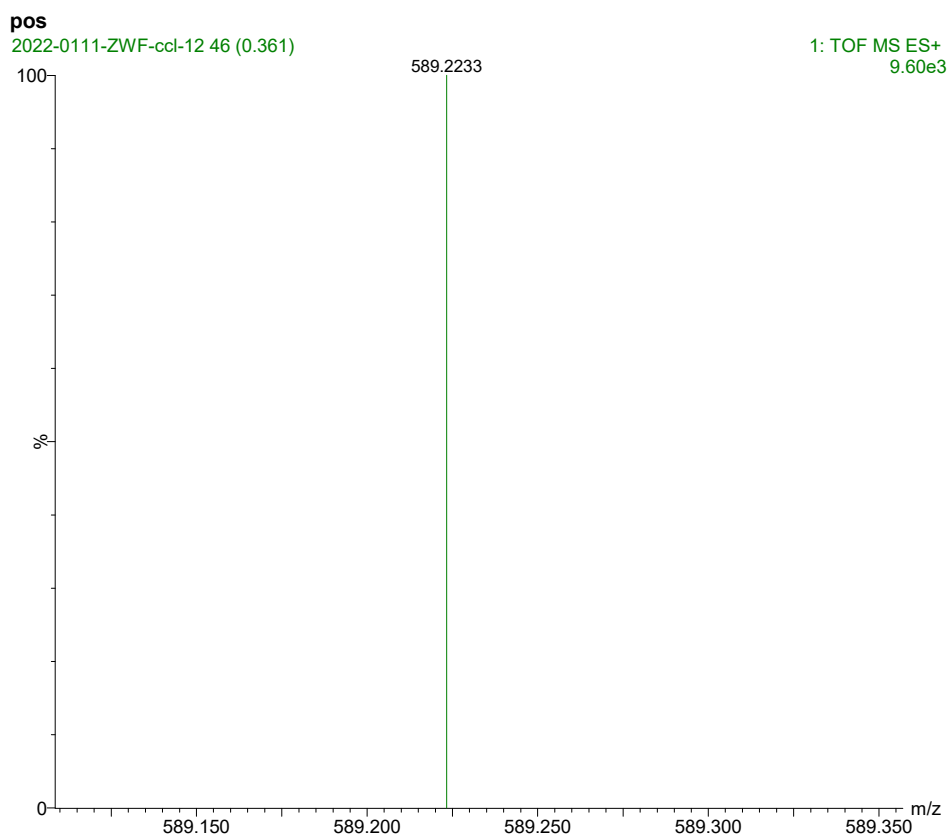


Figure.56. TOF MS spectrum of compound S-10

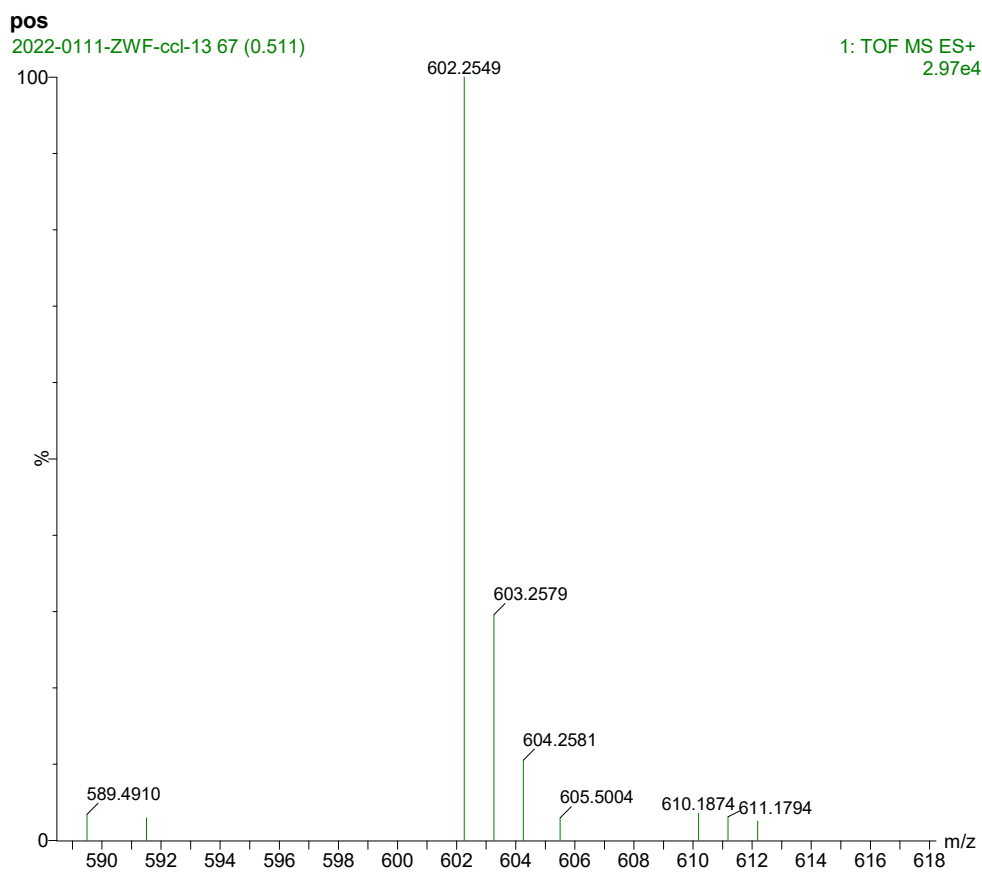


Figure.57. TOF MS spectrum of compound S-11

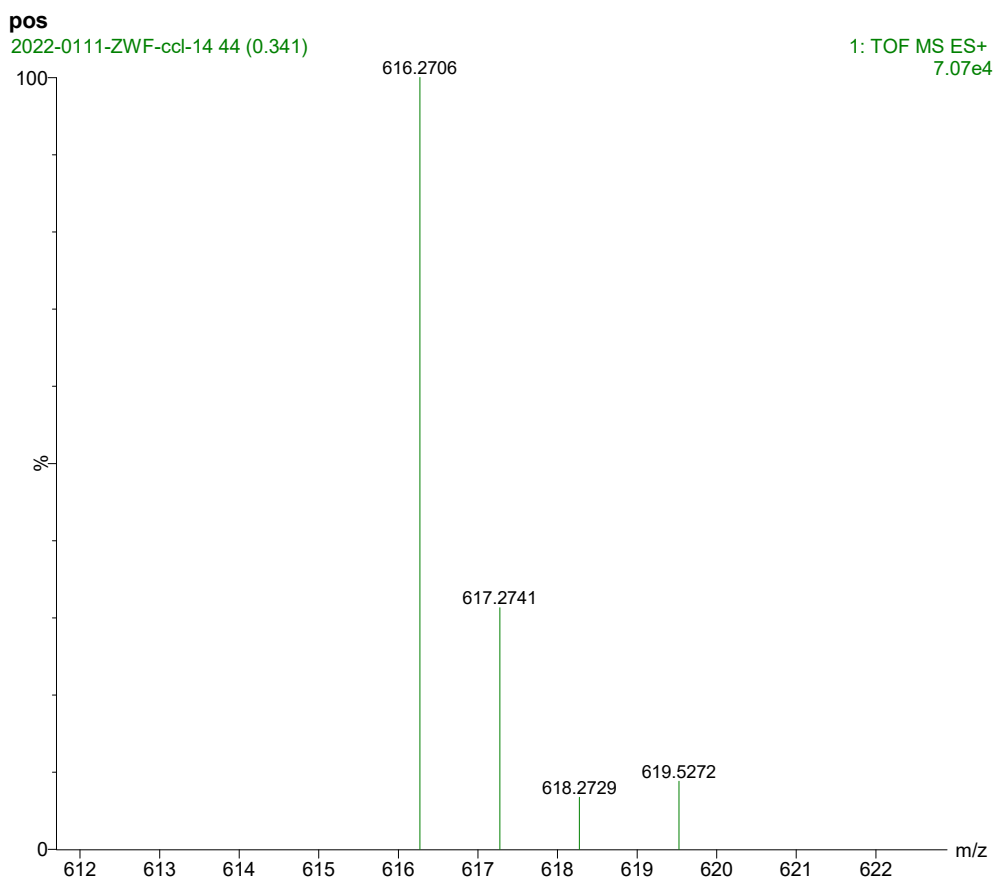


Figure.58. TOF MS spectrum of compound S-12

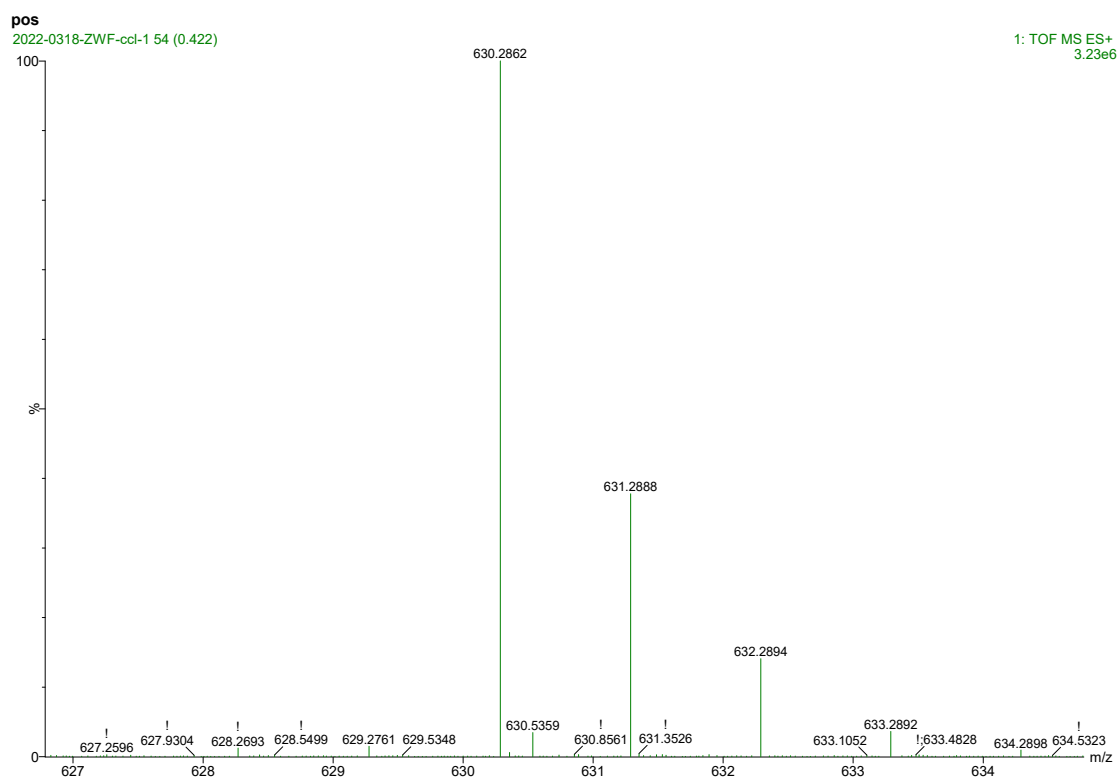


Figure.59. TOF MS spectrum of compound S-13

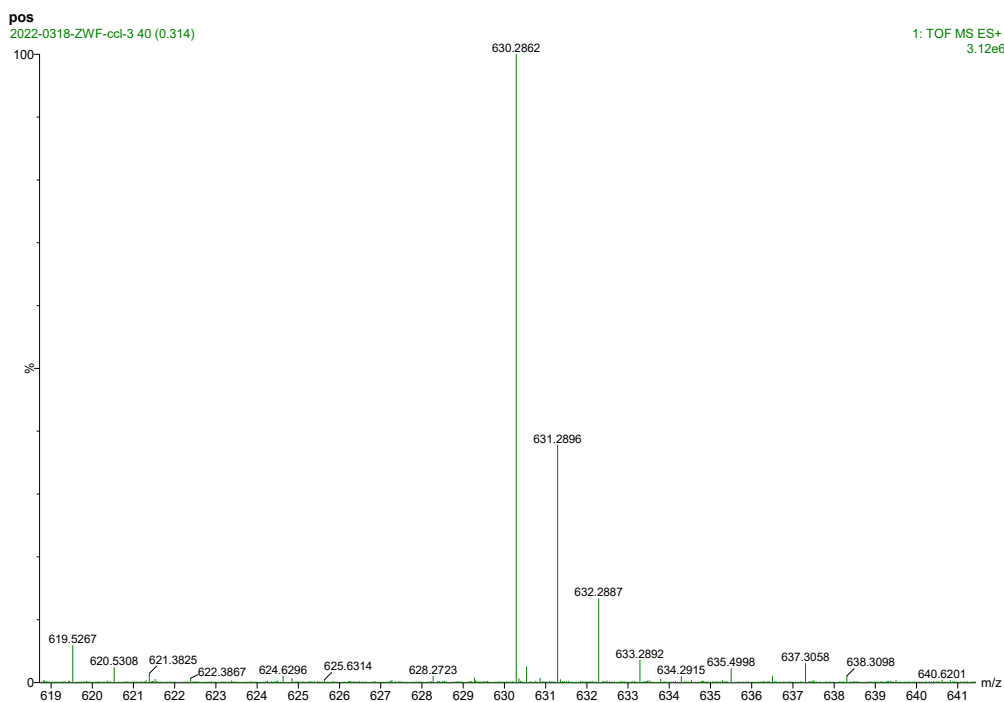


Figure.60. TOF MS spectrum of compound S-14

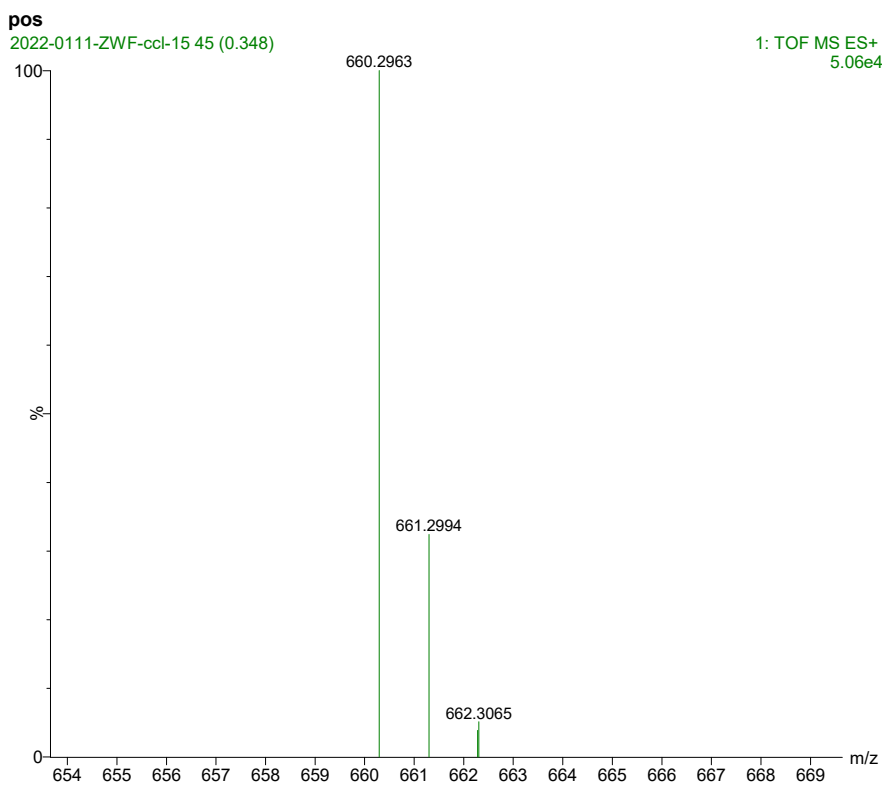


Figure.61. TOF MS spectrum of compound S-15

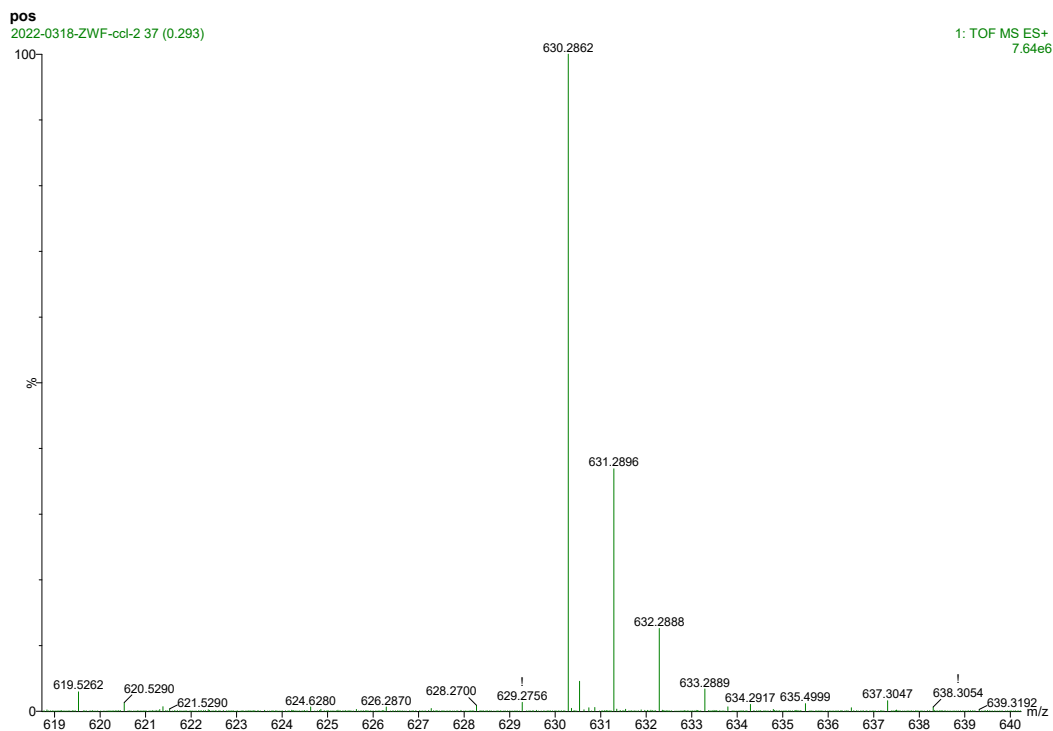


Figure.62. TOF MS spectrum of compound S-16

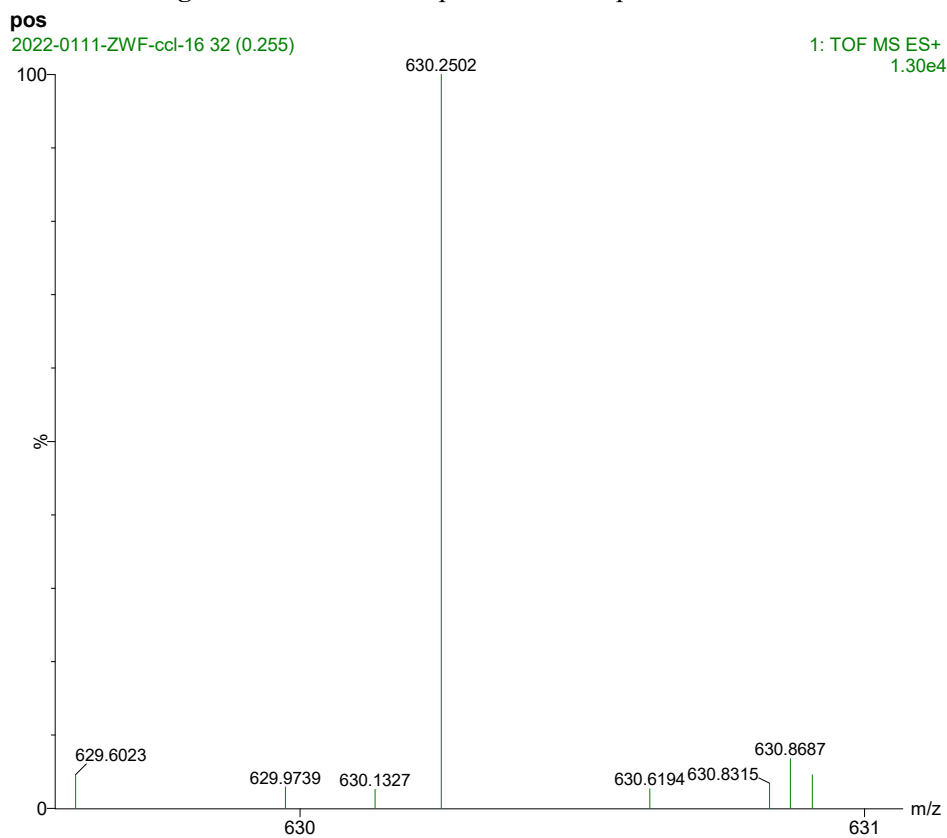


Figure.63. TOF MS spectrum of compound S-17