

Verbenone-Based Selenophene Derivatives as Potential Anti-cancer Agents: Synthesis and Biological Evaluation in 2D and 3D A549 Cell Models

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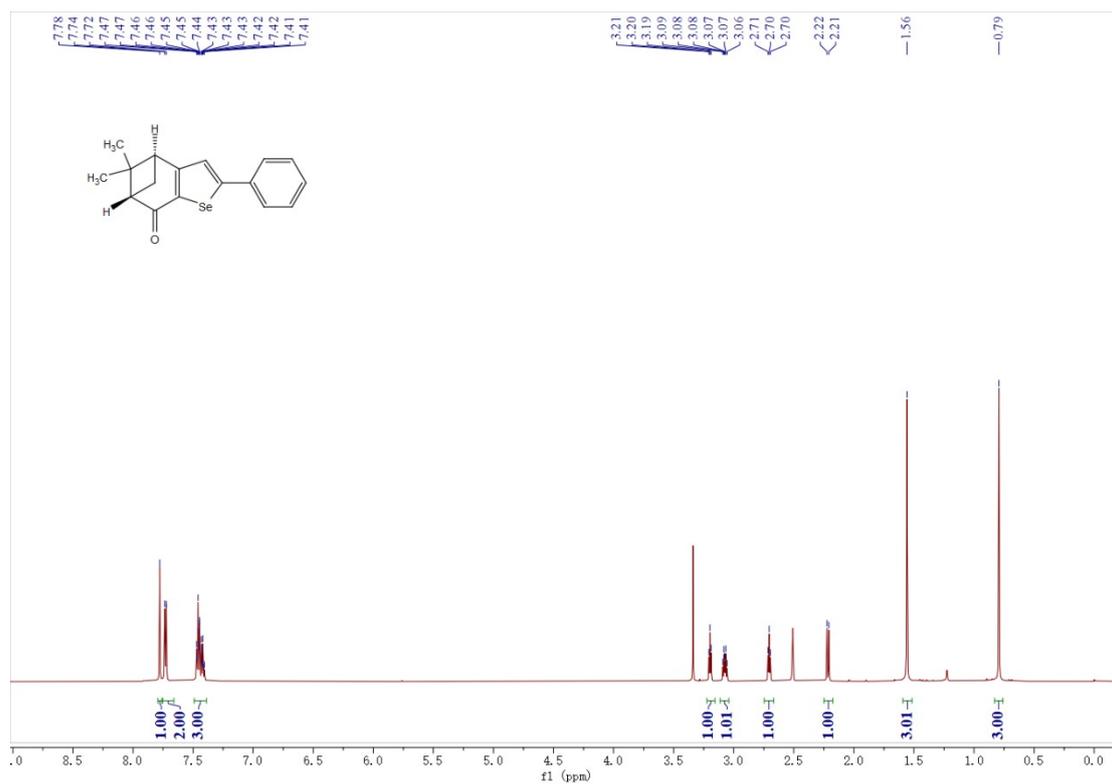


Fig 1. The ¹H-NMR spectrum of compound 2A

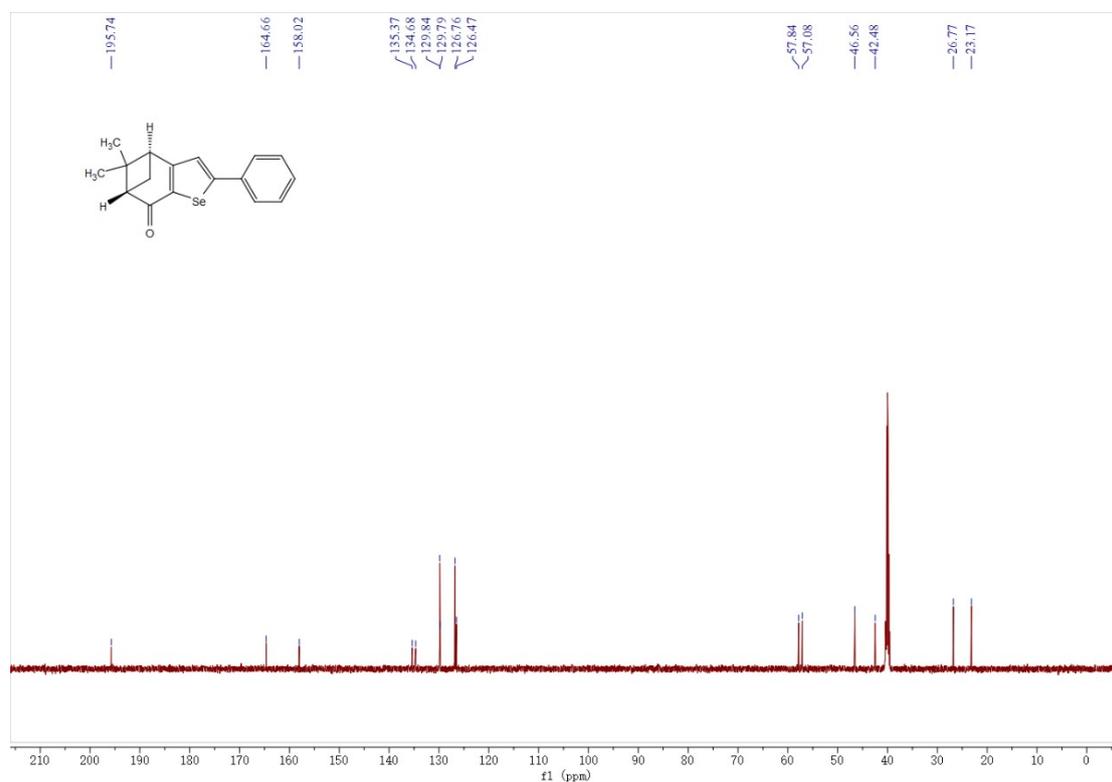


Fig 2. The ¹³C-NMR spectrum of compound 2A

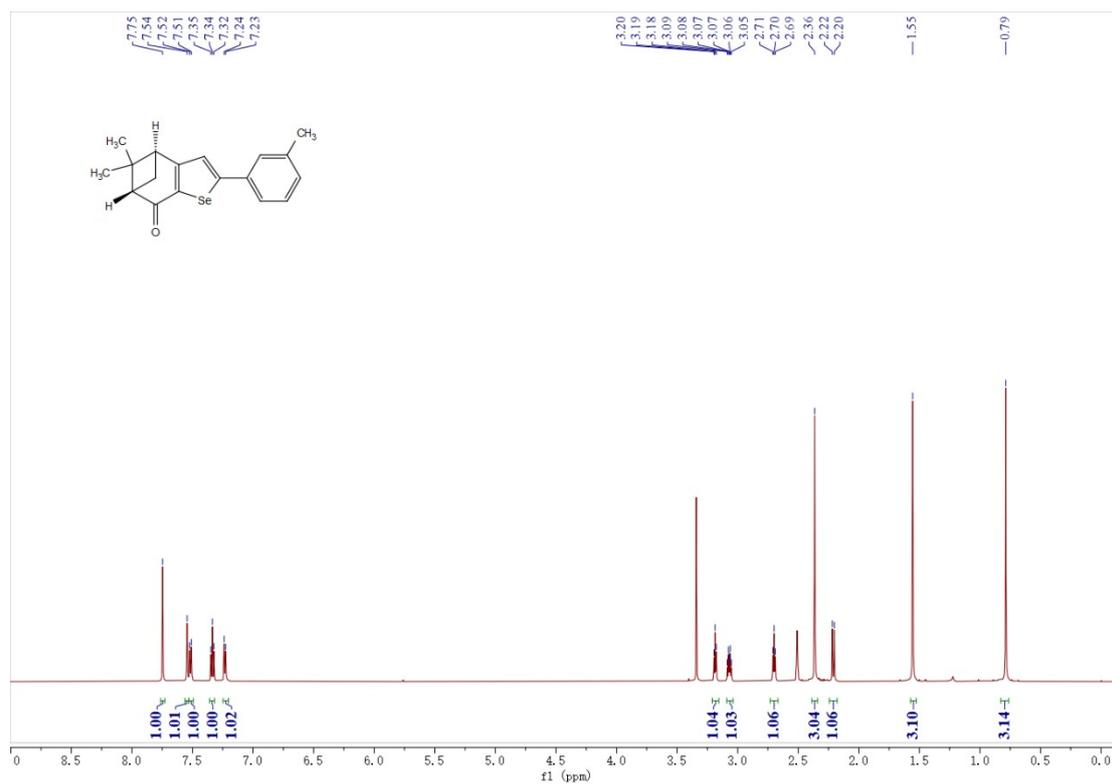


Fig 3. The ¹H-NMR spectrum of compound **2B**

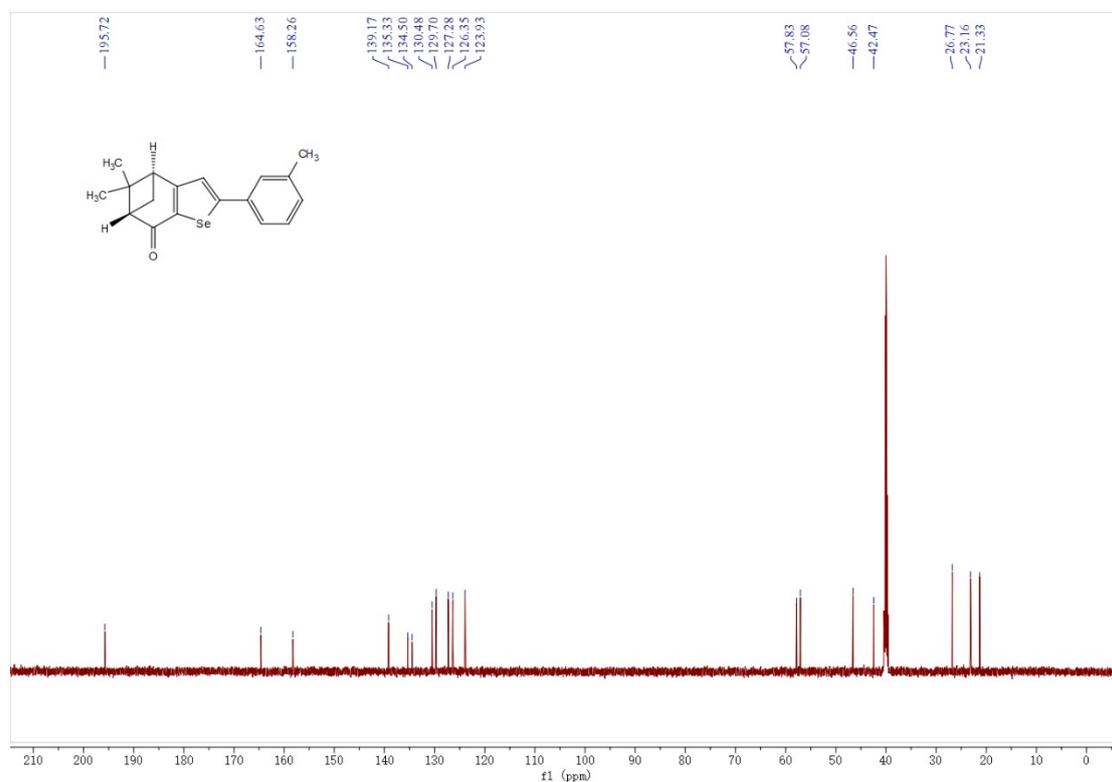


Fig 4. The ¹³C-NMR spectrum of compound **2B**

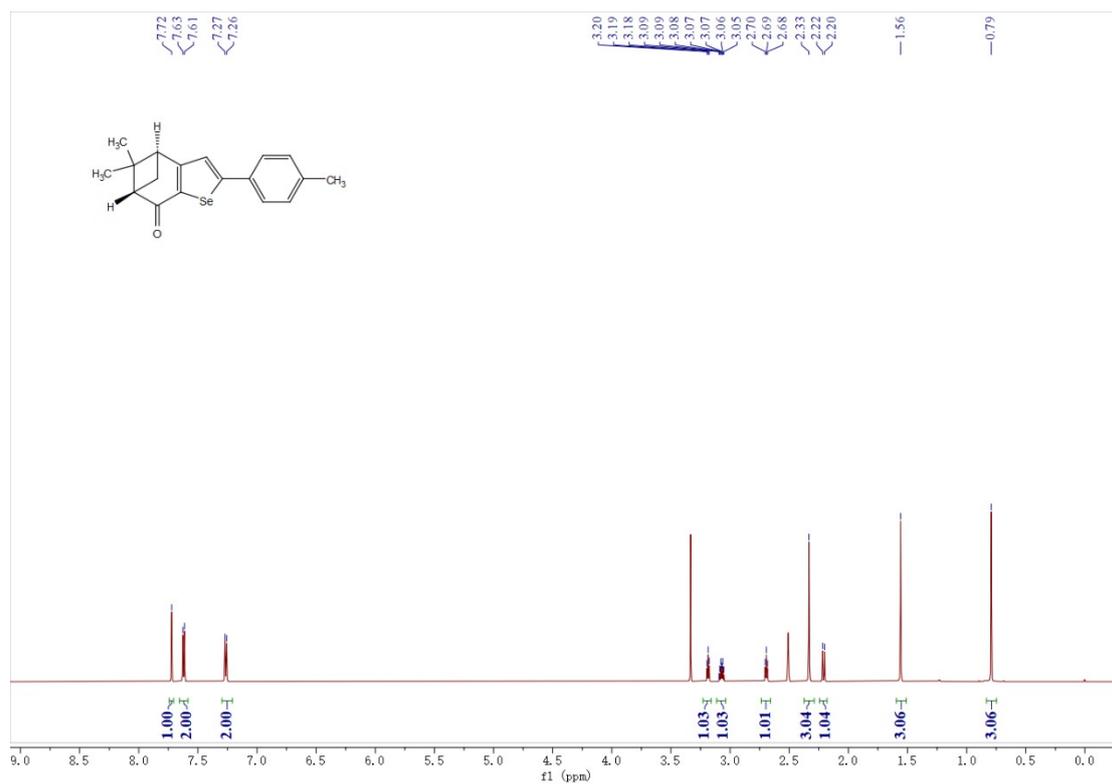


Fig 5. The ¹H-NMR spectrum of compound 2C

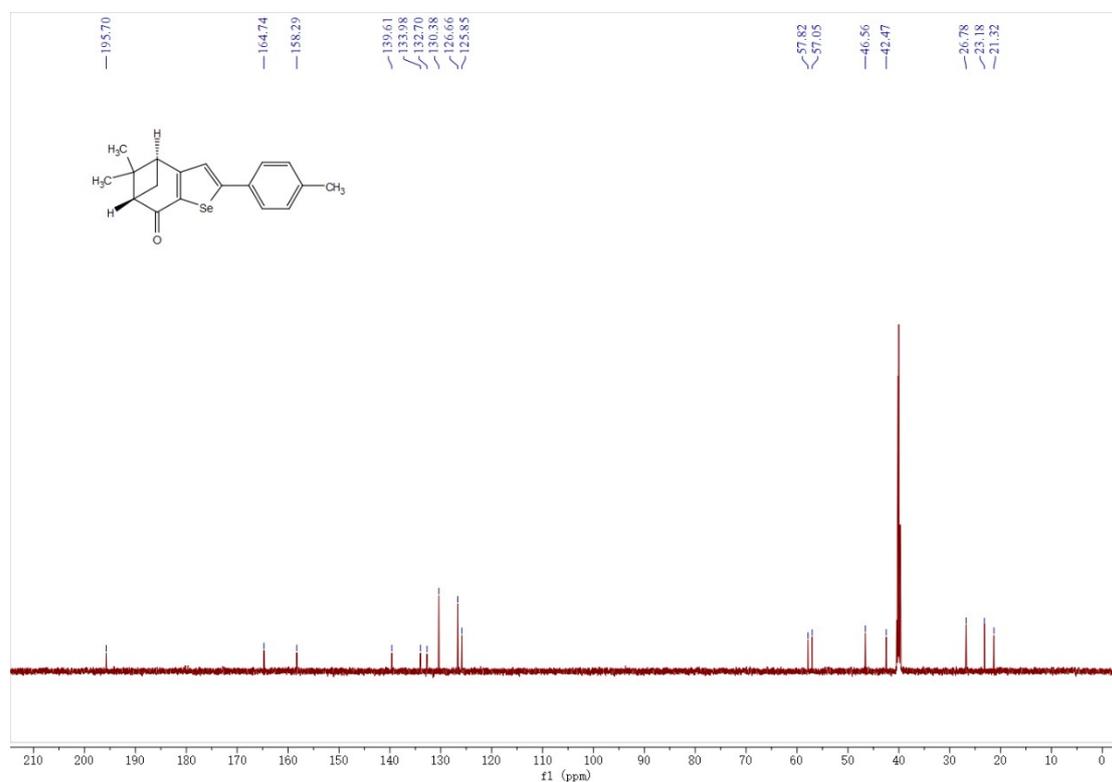


Fig 6. The ¹³C-NMR spectrum of compound 2C

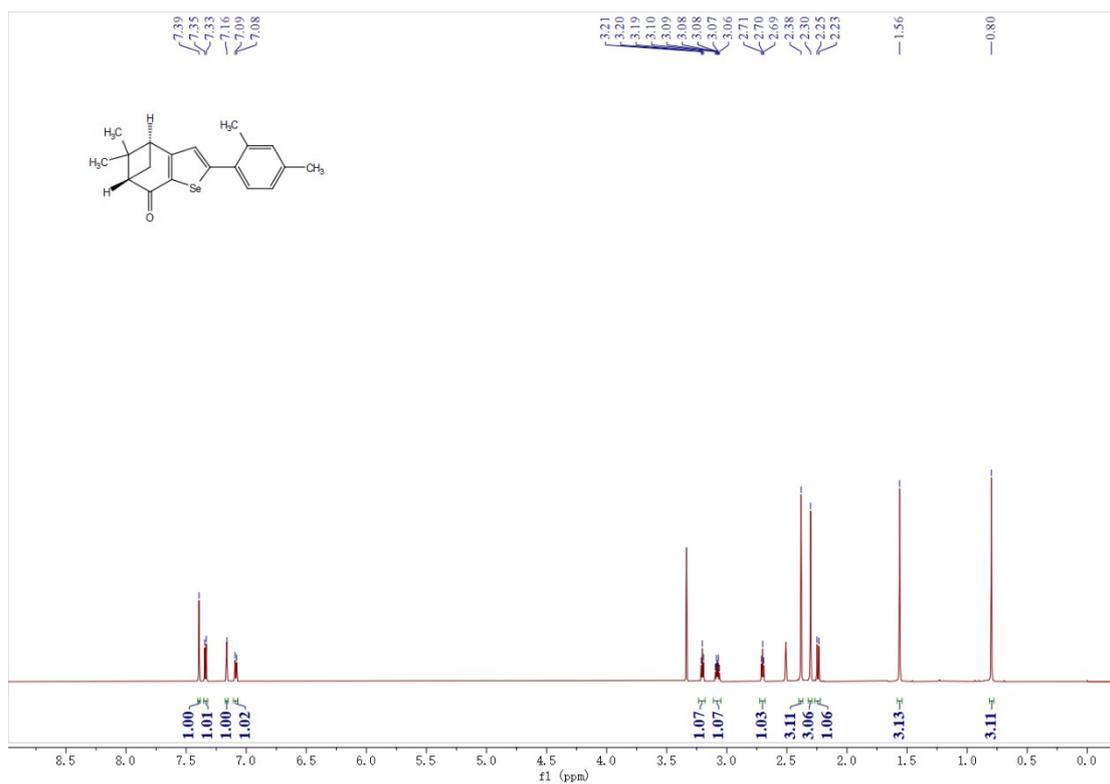


Fig 7. The ¹H-NMR spectrum of compound 2D

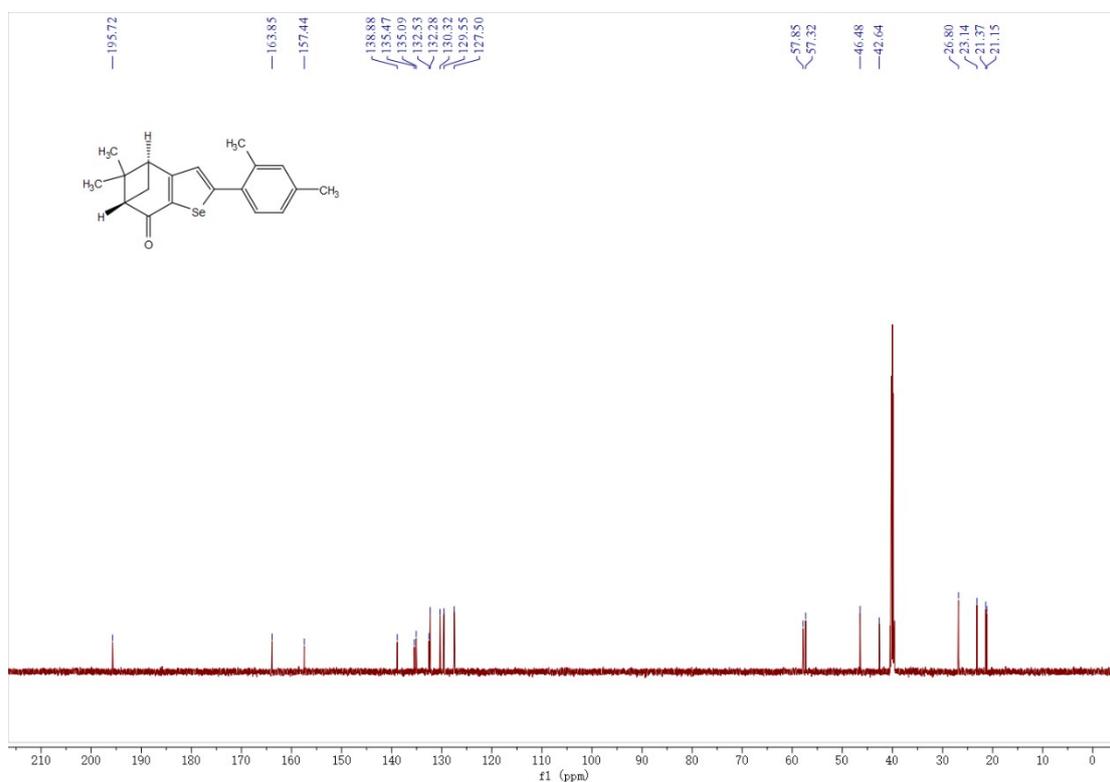


Fig 8. The ¹³C-NMR spectrum of compound 2D

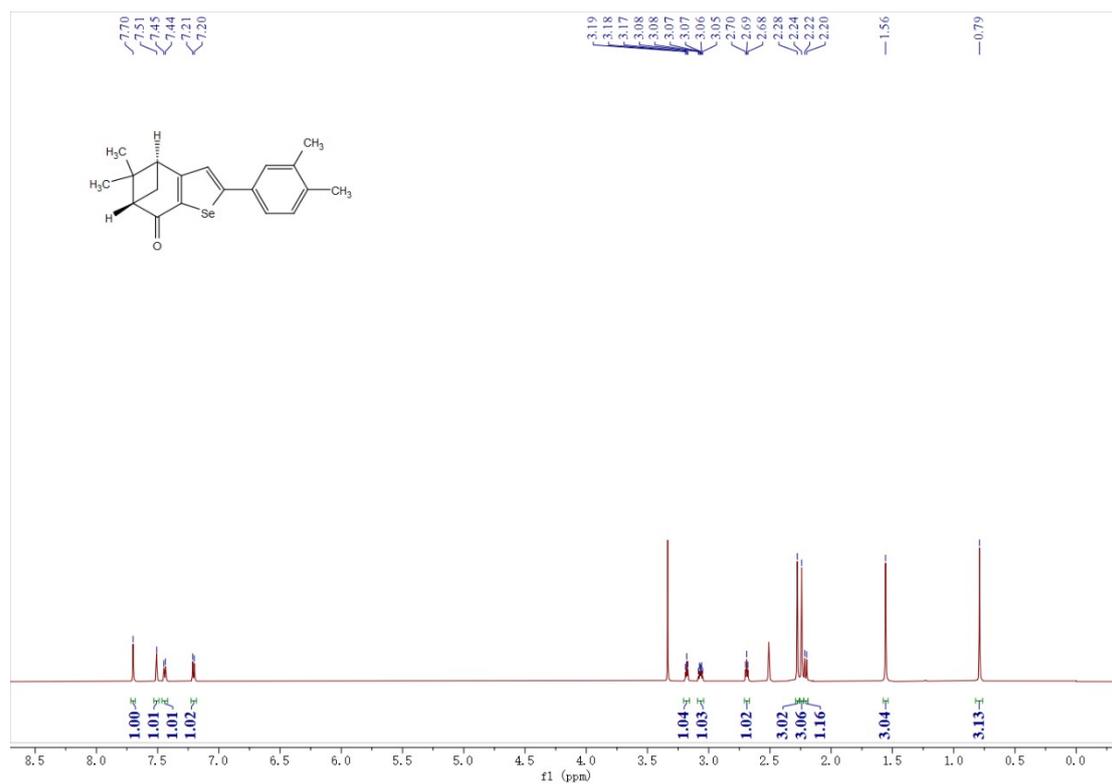


Fig 9. The ¹H-NMR spectrum of compound 2E

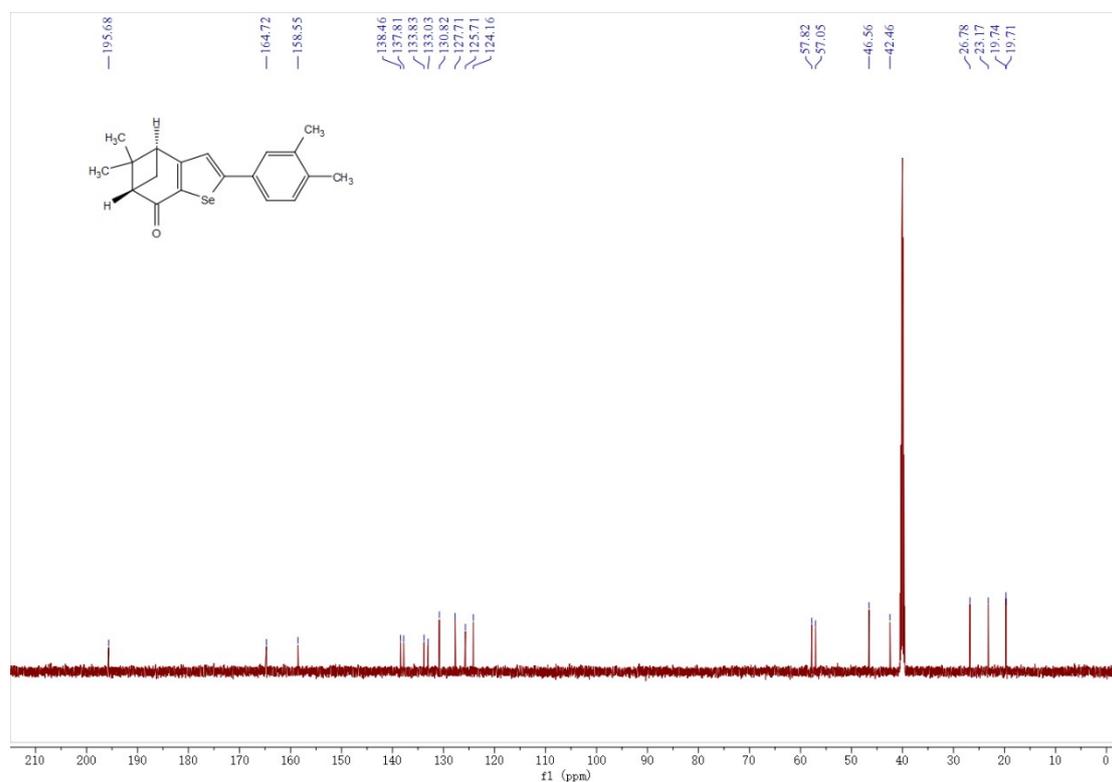


Fig 10. The ¹³C-NMR spectrum of compound 2E

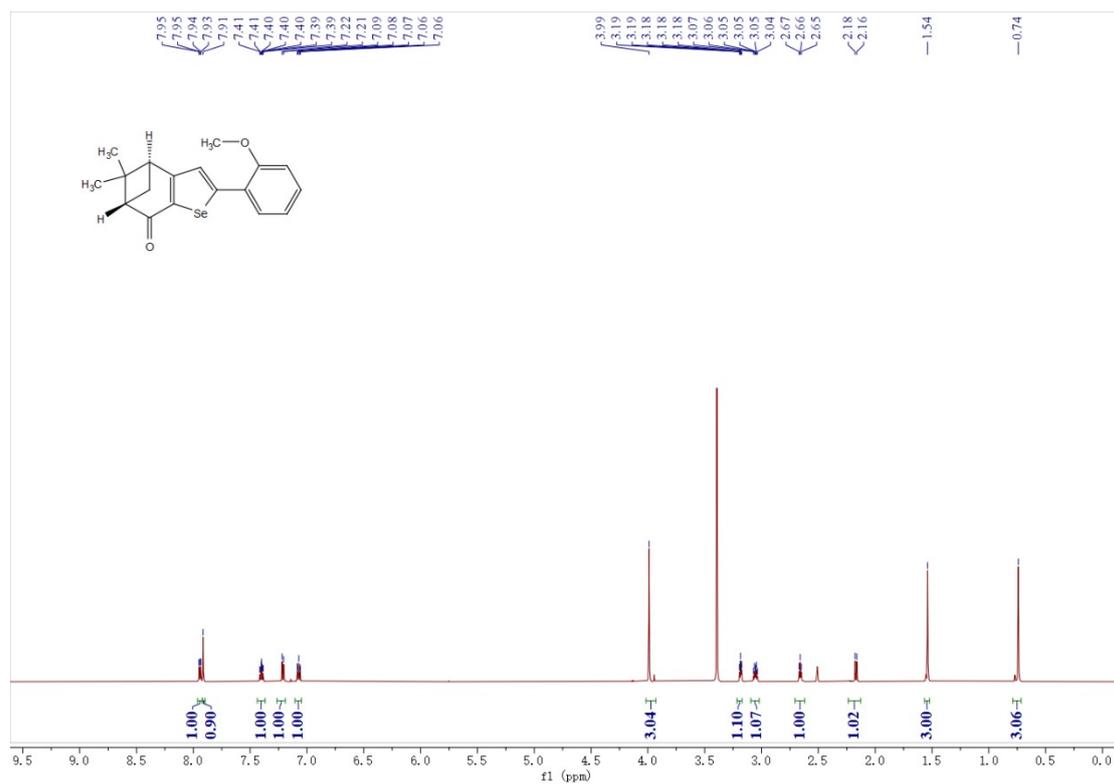


Fig 11. The ¹H-NMR spectrum of compound **2F**

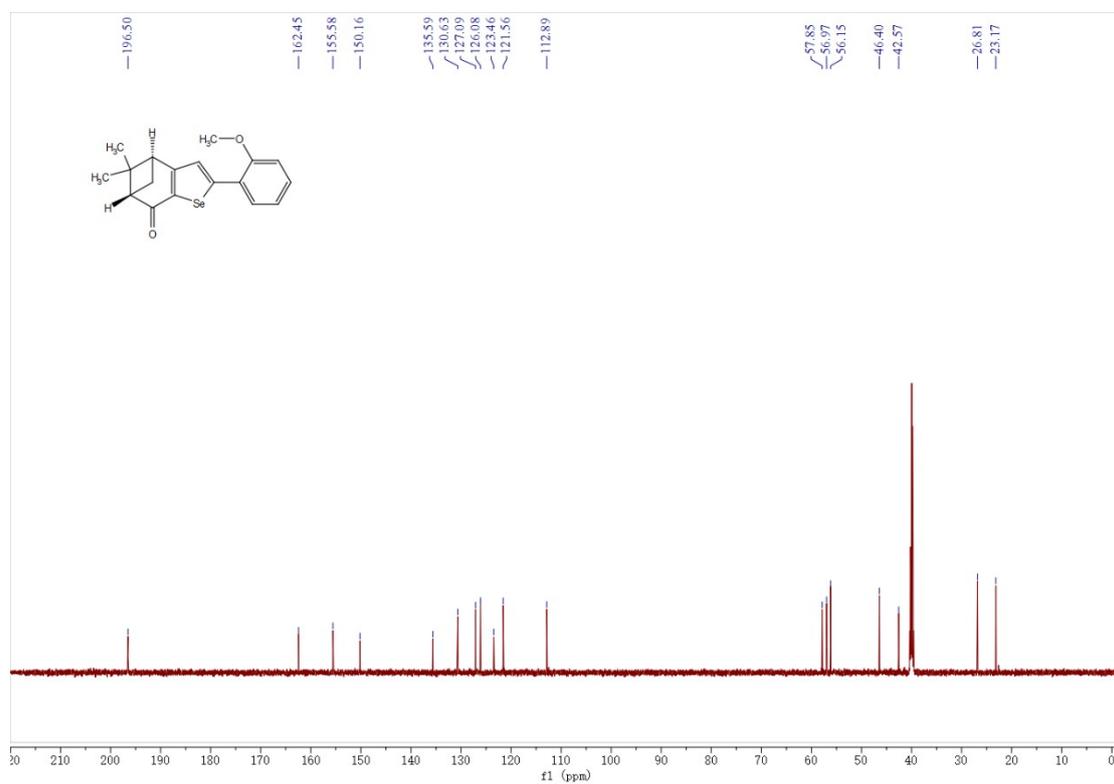


Fig 12. The ¹³C-NMR spectrum of compound **2F**

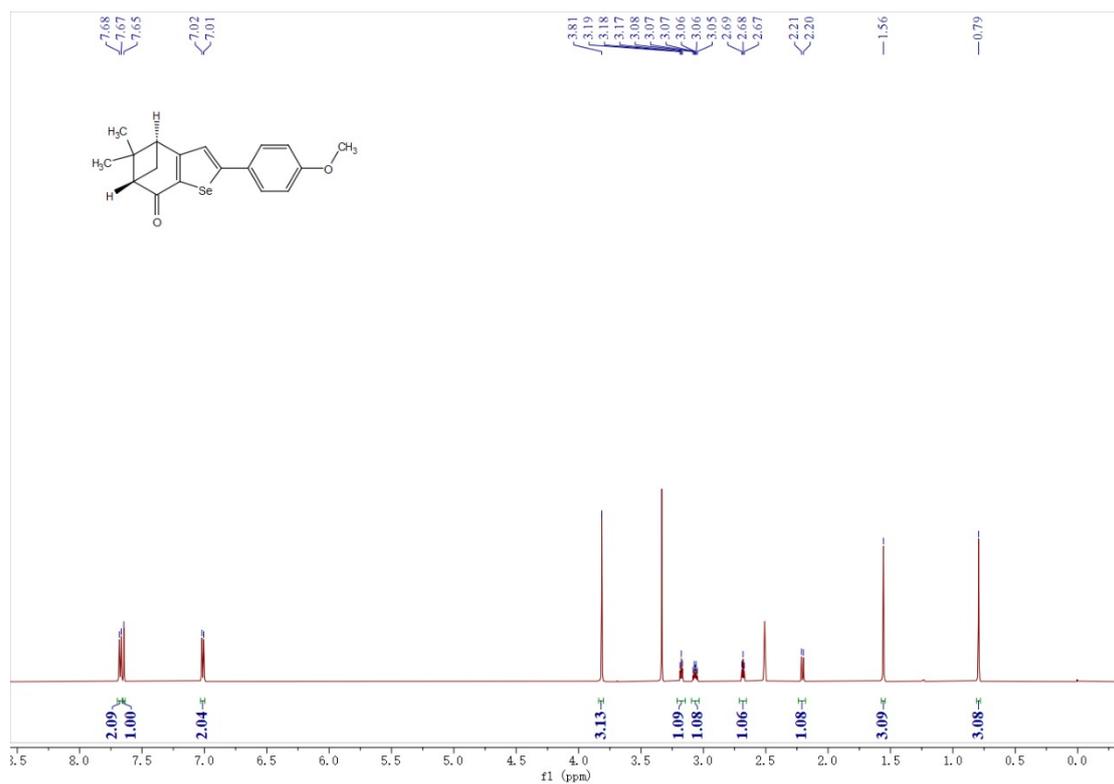


Fig 13. The ^1H -NMR spectrum of compound 2G

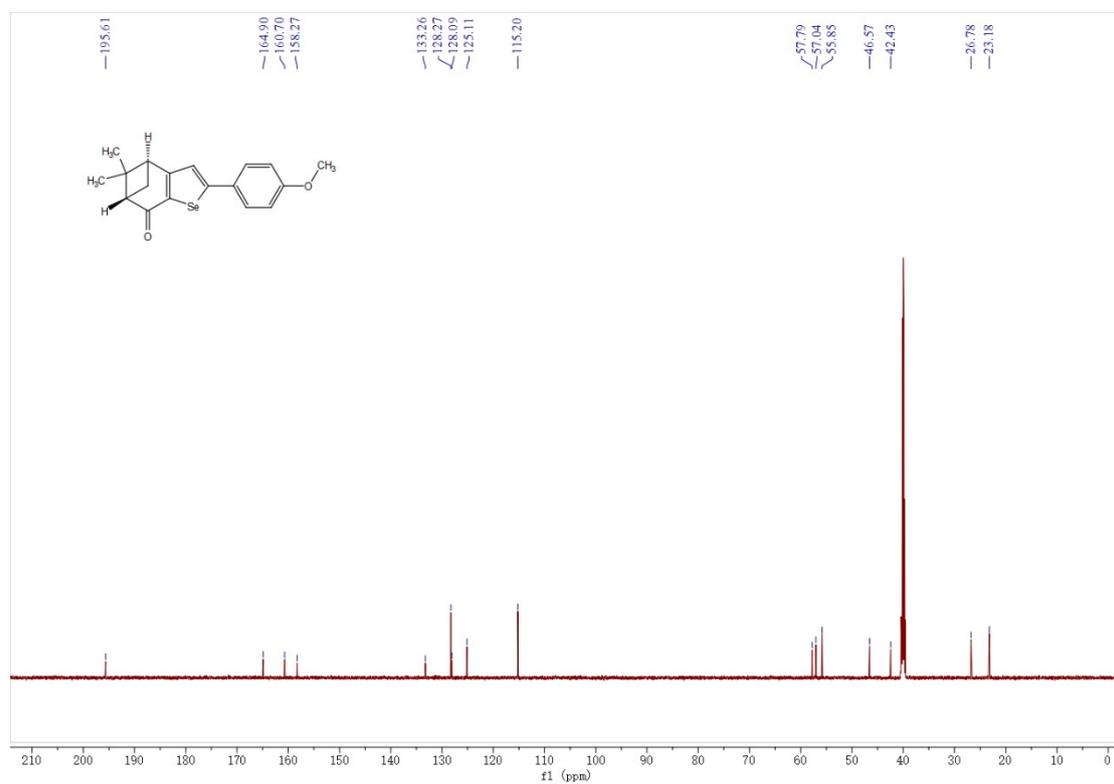


Fig 14. The ^{13}C -NMR spectrum of compound 2G

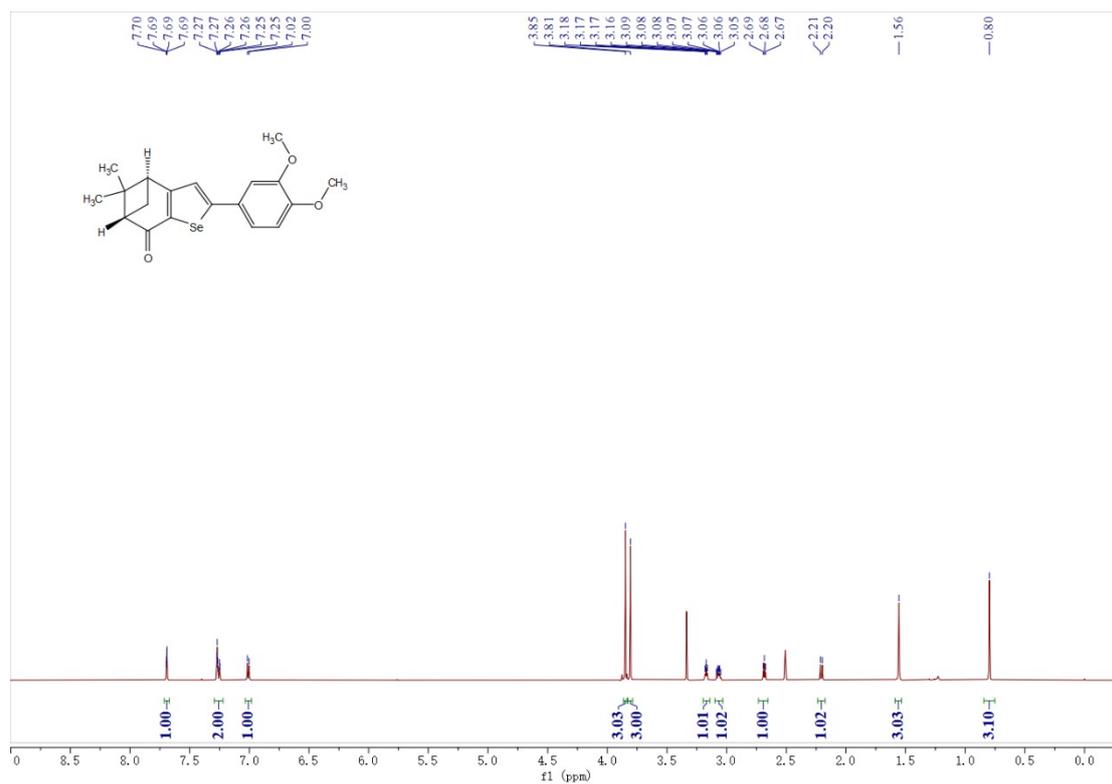


Fig 15. The ¹H-NMR spectrum of compound 2H

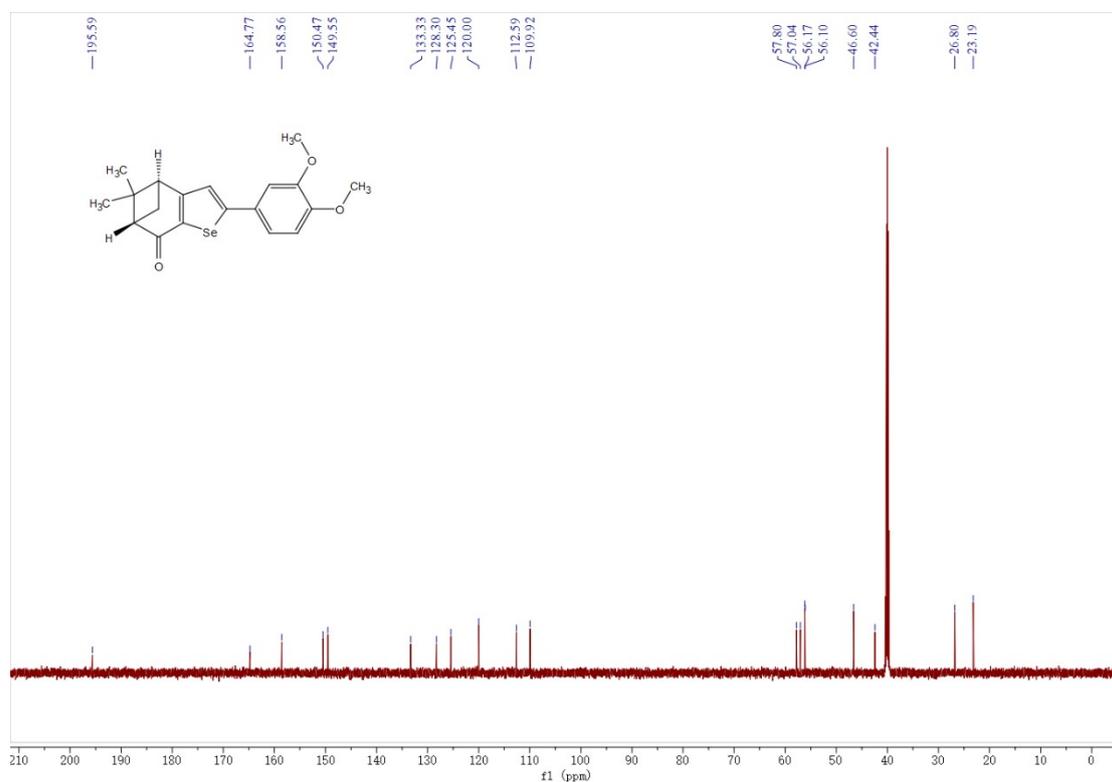


Fig 16. The ¹³C-NMR spectrum of compound 2H

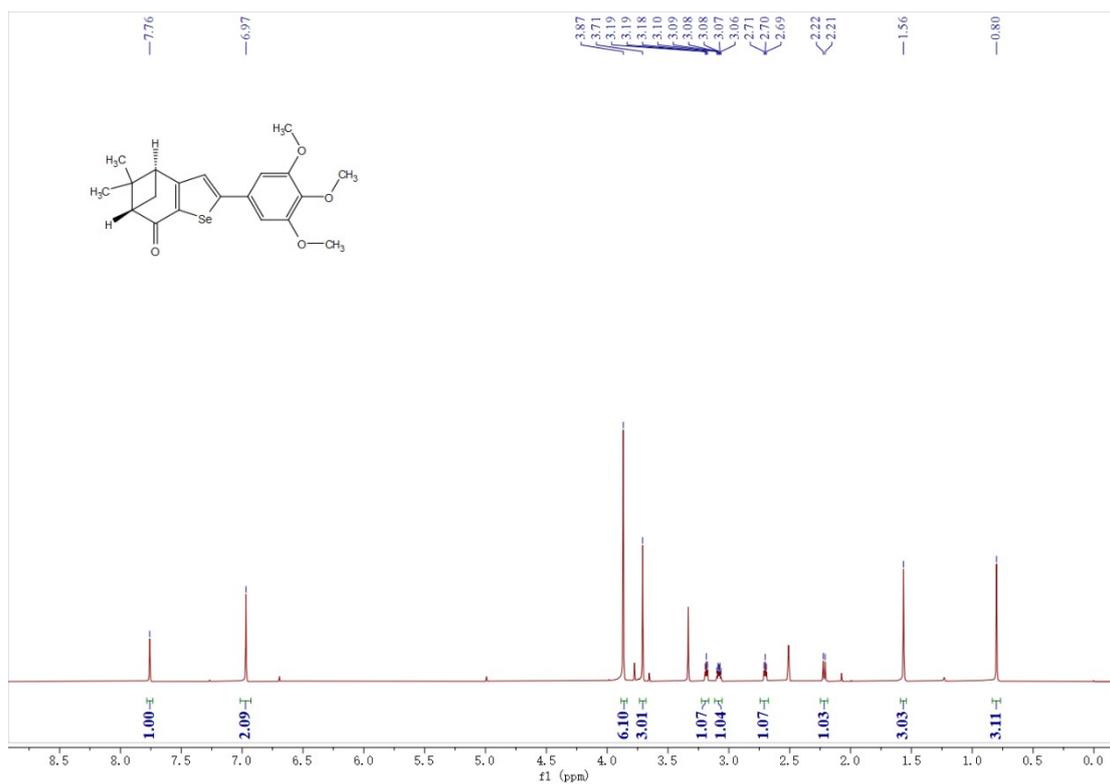


Fig 17. The ¹H-NMR spectrum of compound **2I**

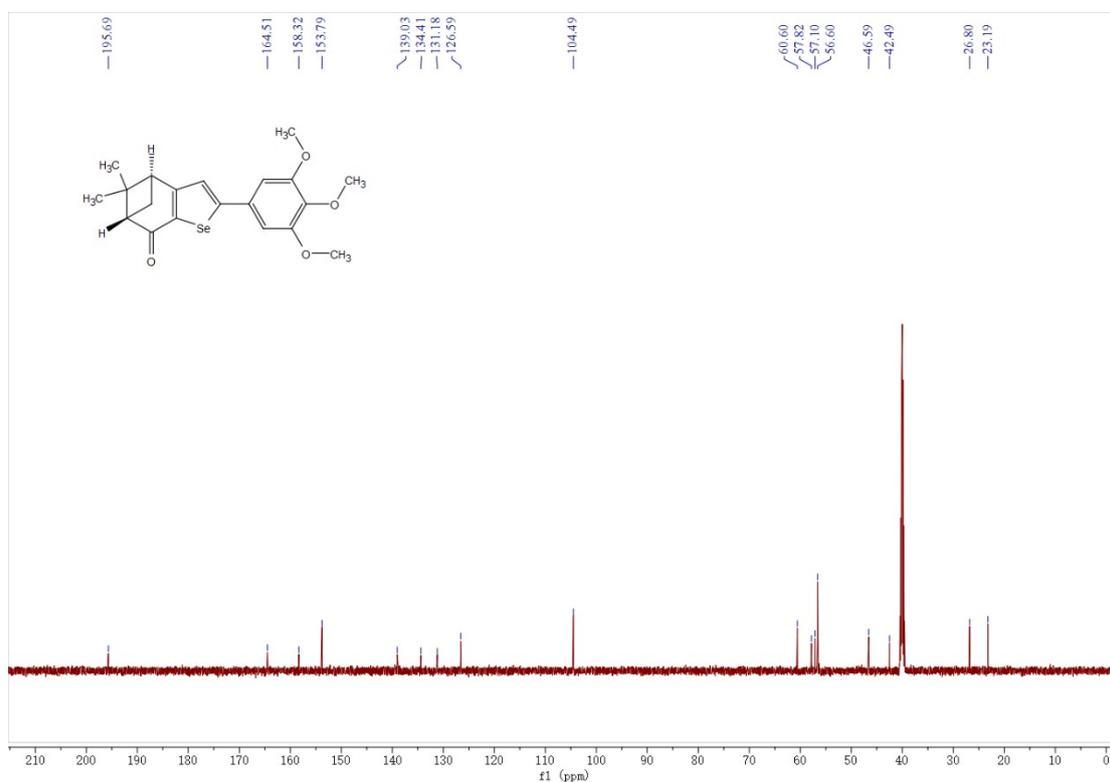


Fig 18. The ¹³C-NMR spectrum of compound **2I**

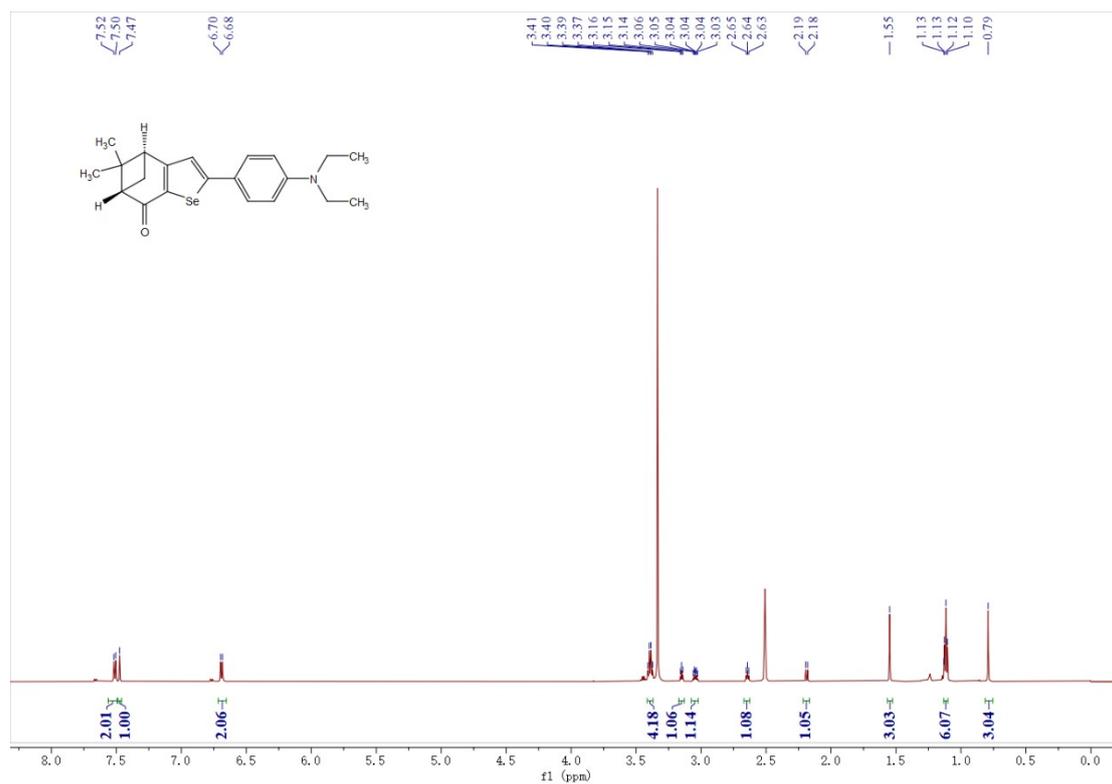


Fig 19. The ¹H-NMR spectrum of compound 2J

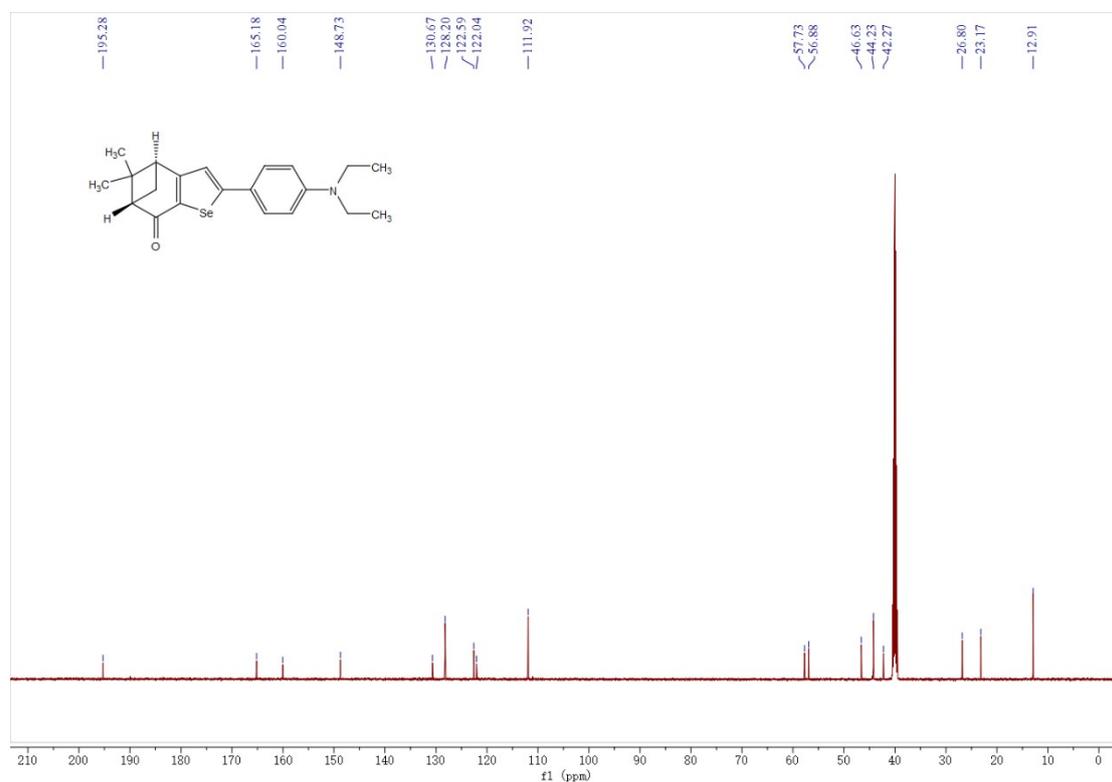


Fig 20. The ¹³C-NMR spectrum of compound 2J

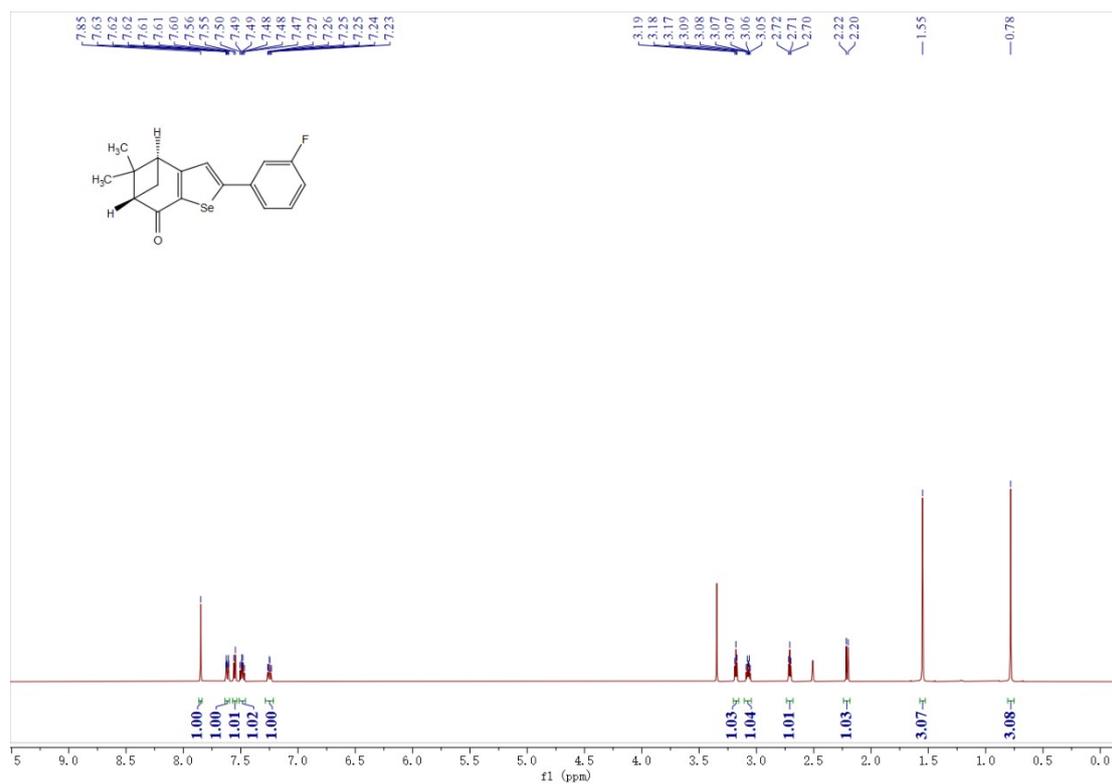


Fig 21. The ^1H -NMR spectrum of compound **2K**

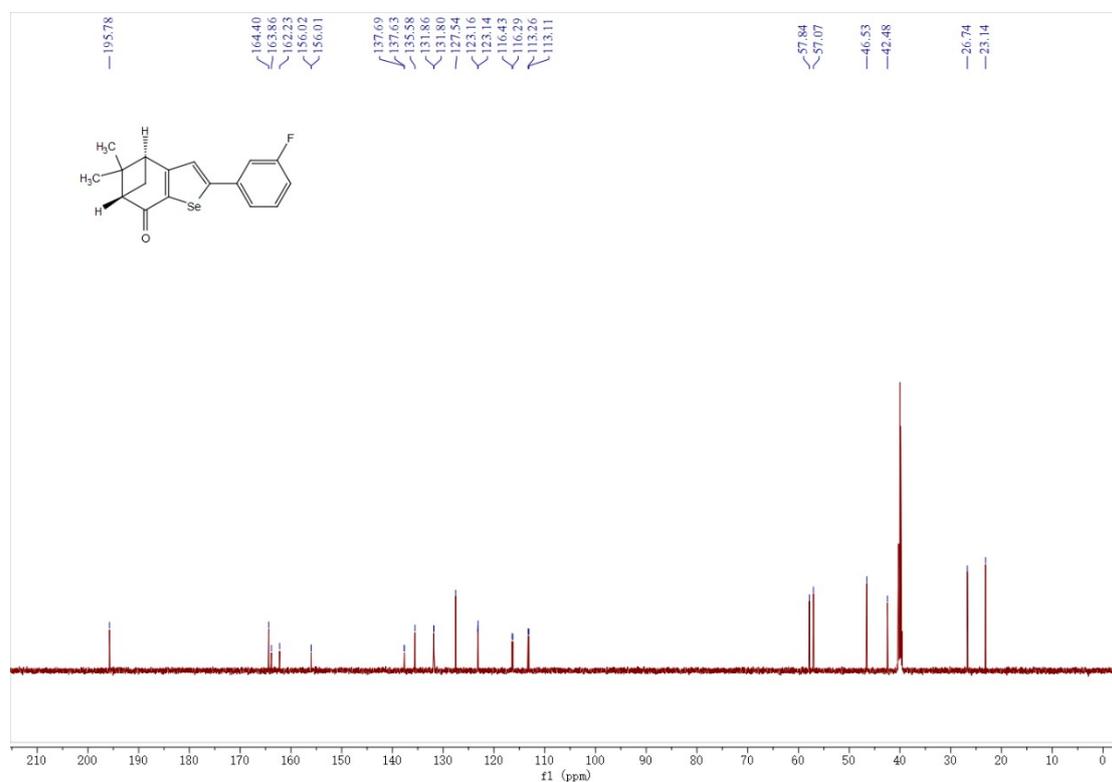


Fig 22. The ^{13}C -NMR spectrum of compound **2K**

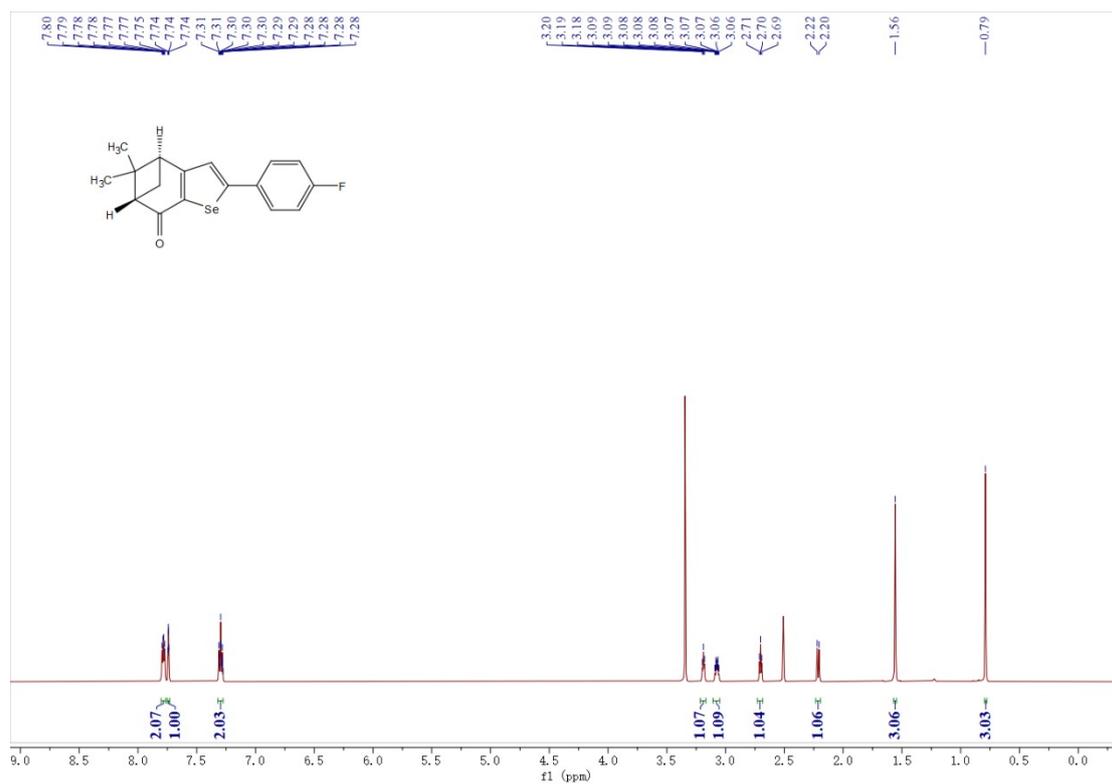


Fig 23. The ¹H-NMR spectrum of compound **2L**

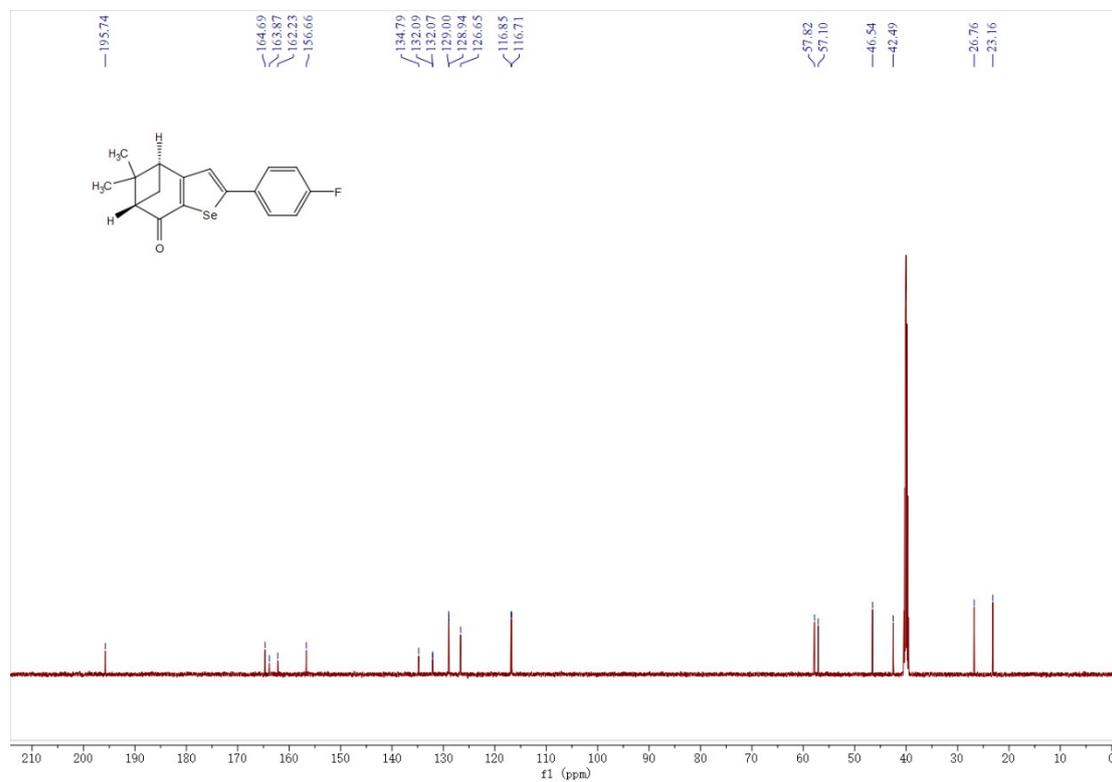


Fig 24. The ¹³C-NMR spectrum of compound **2L**

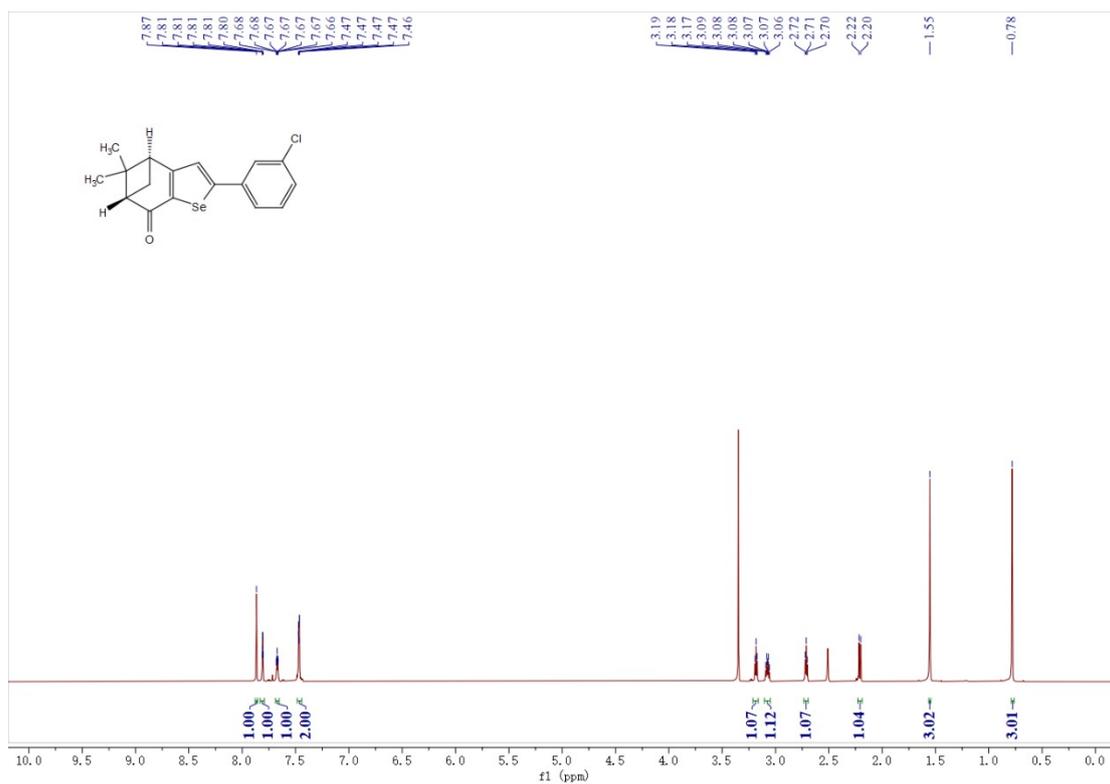


Fig 25. The ¹H-NMR spectrum of compound 2M

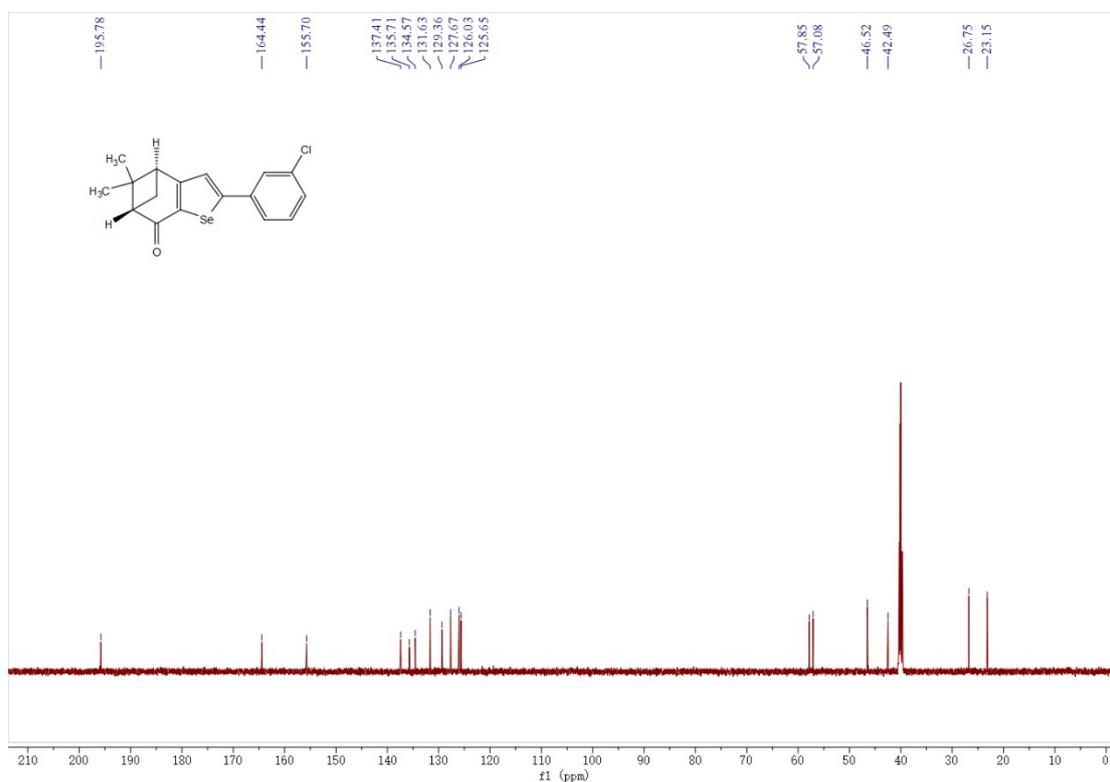


Fig 26. The ¹³C-NMR spectrum of compound 2M

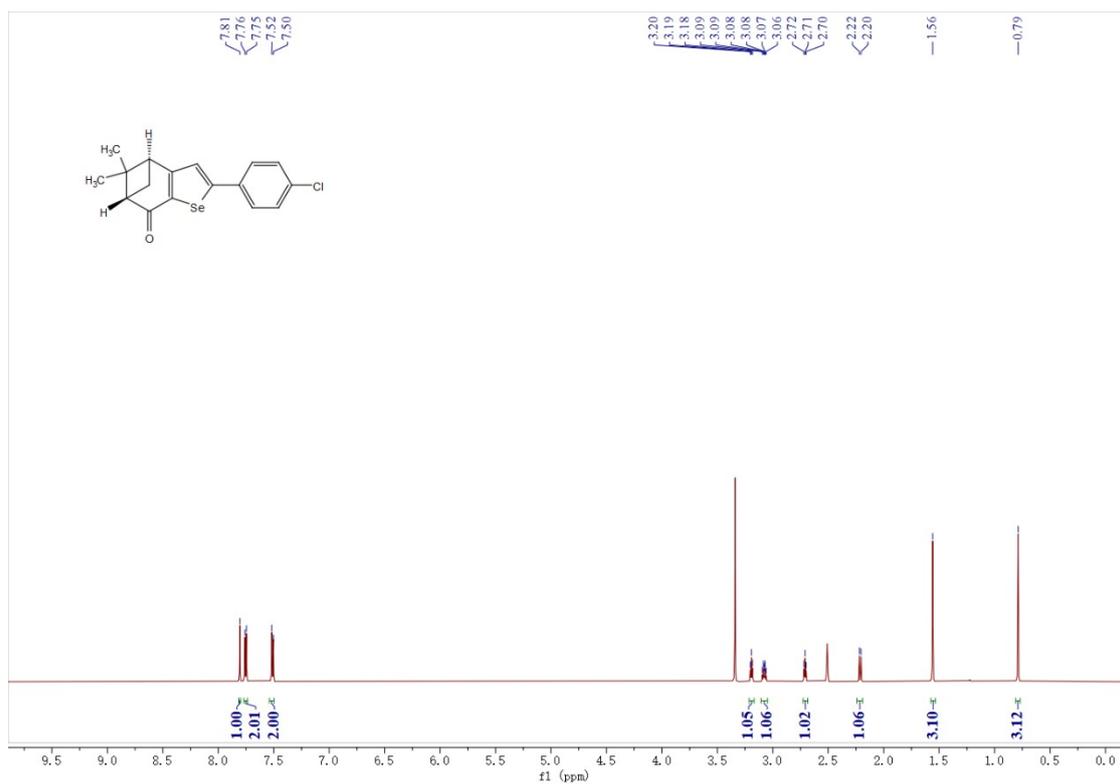


Fig 27. The ¹H-NMR spectrum of compound 2N

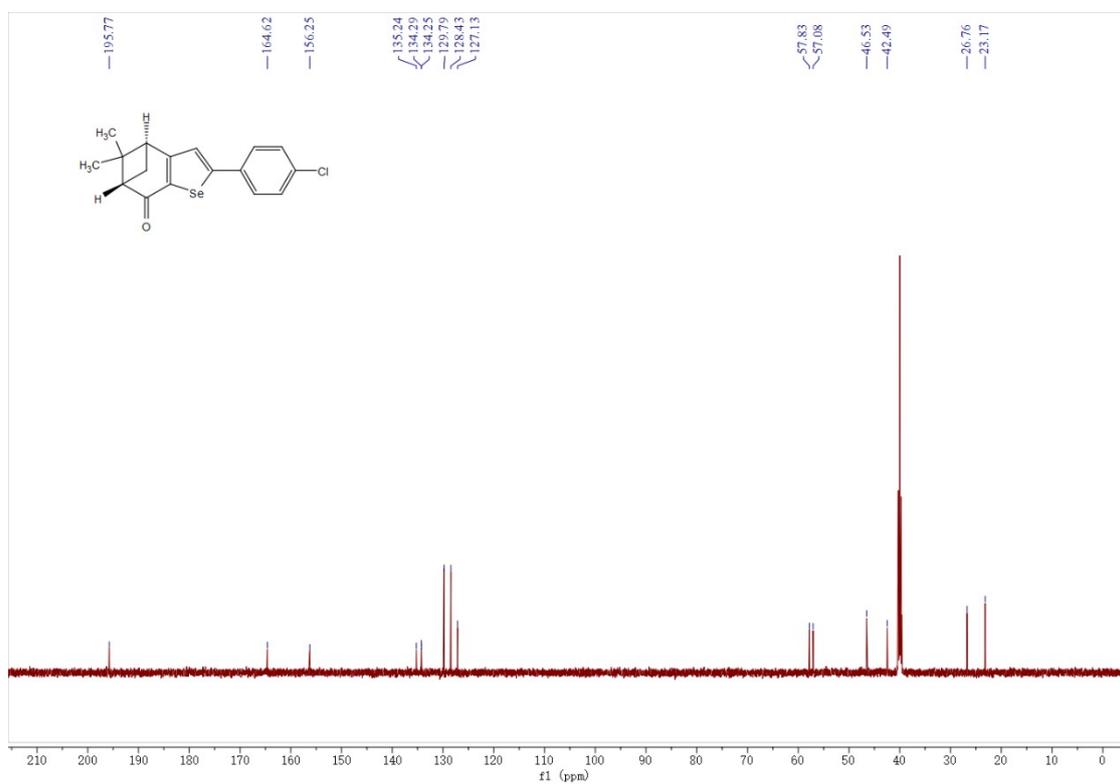


Fig 28. The ¹³C-NMR spectrum of compound 2N

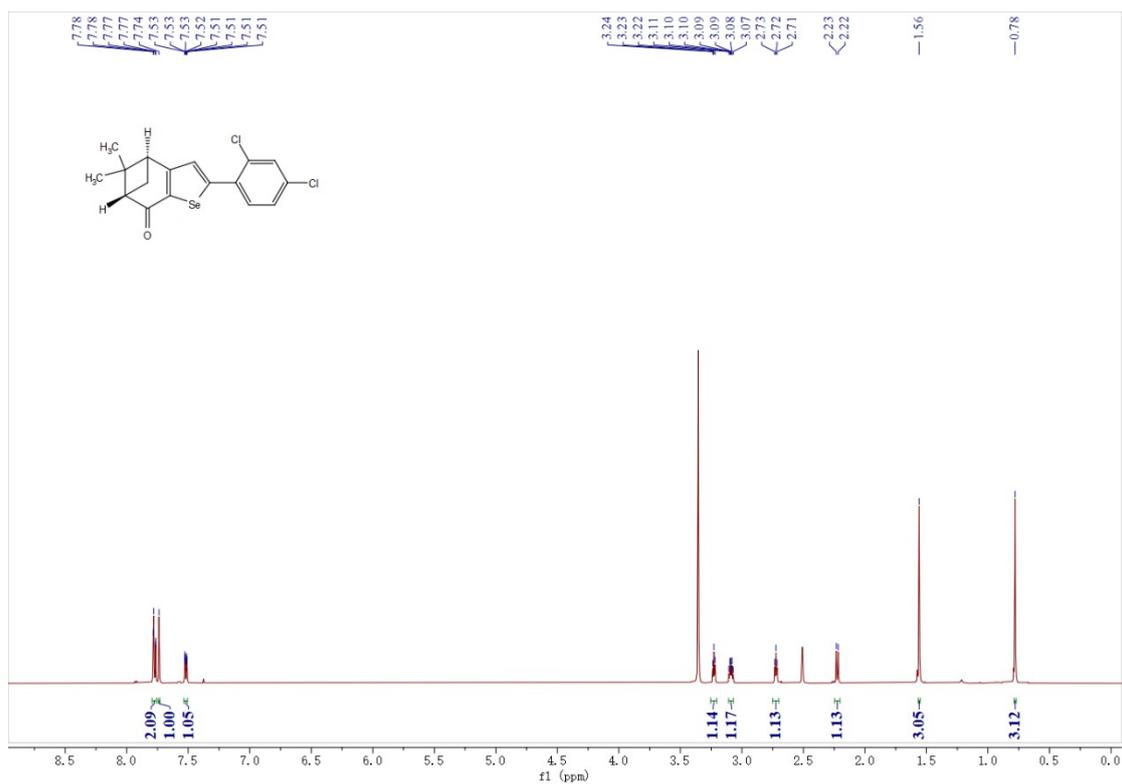


Fig 29. The ^1H -NMR spectrum of compound **20**

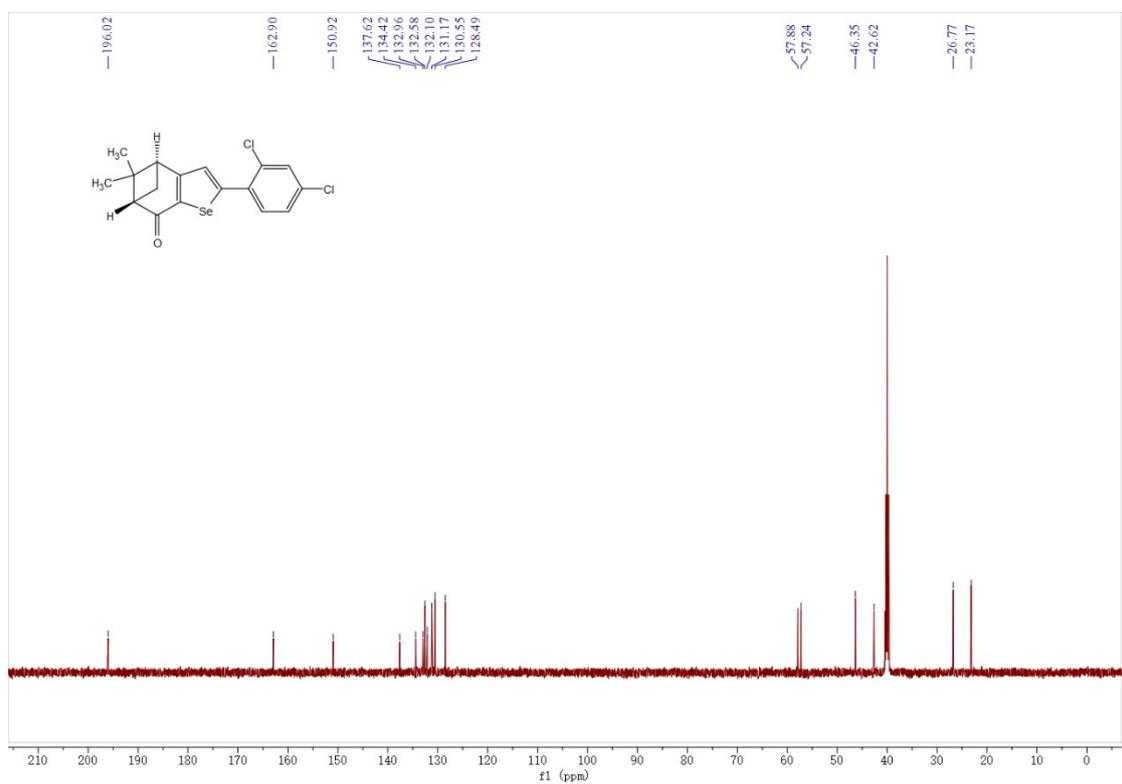


Fig 30. The ^{13}C -NMR spectrum of compound **20**

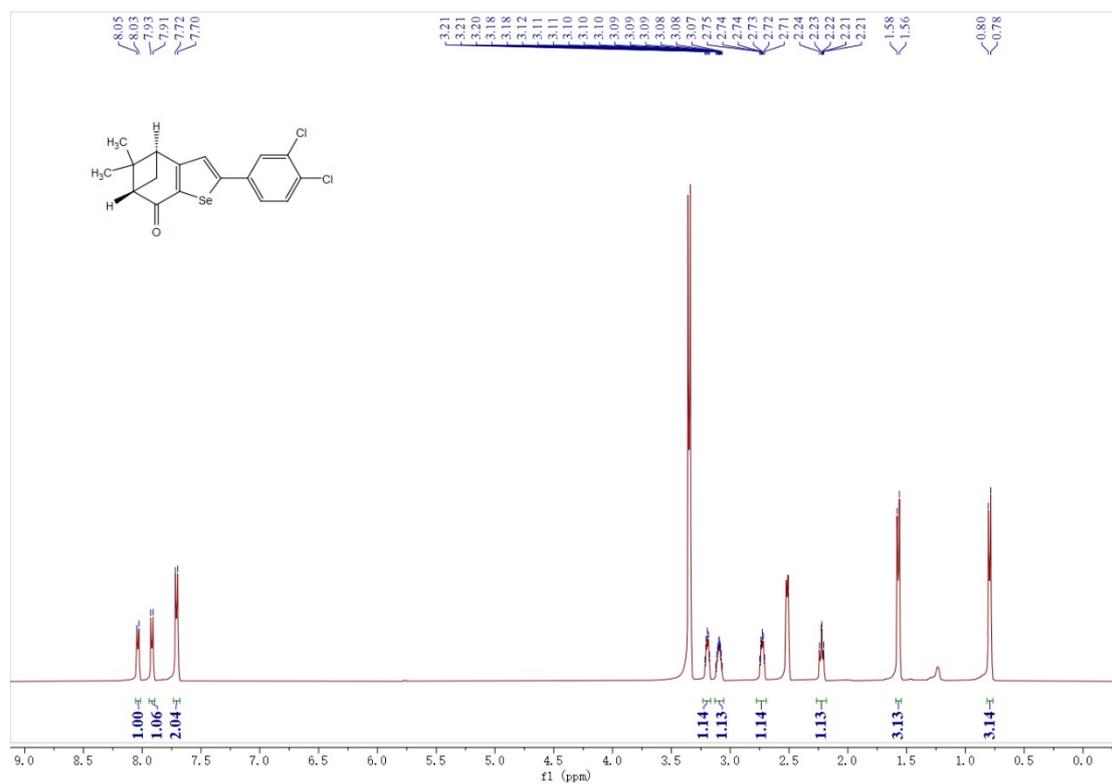


Fig 31. The ¹H-NMR spectrum of compound **2P**

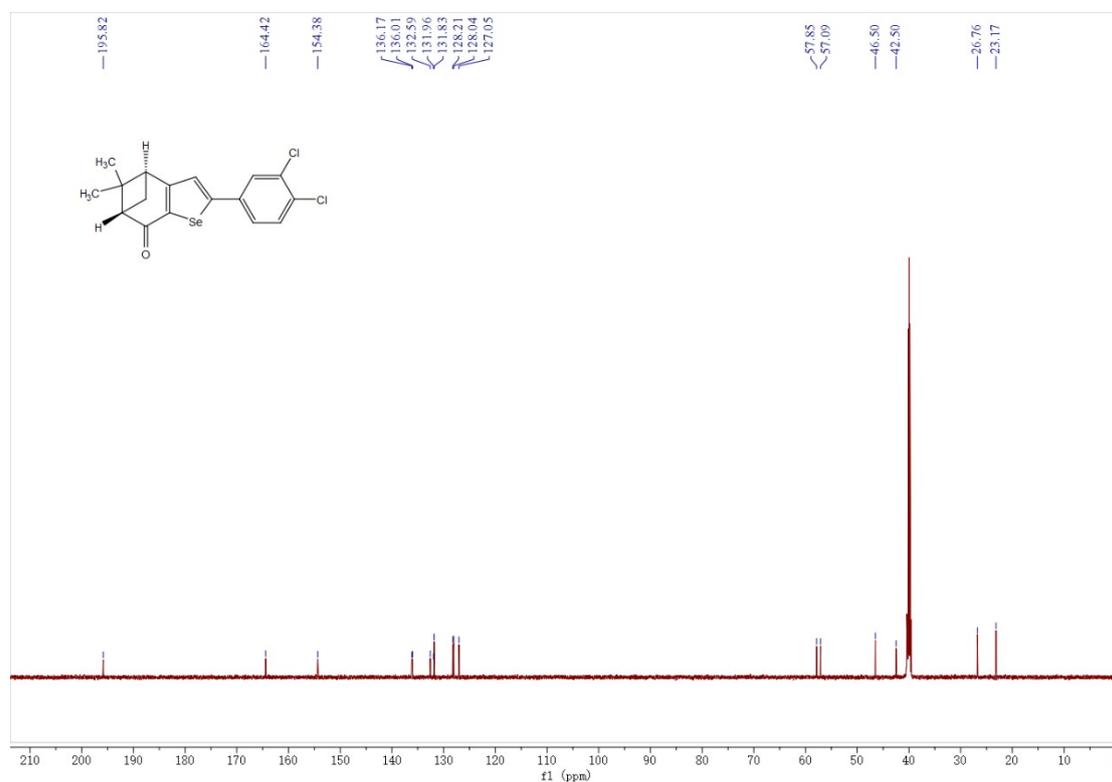


Fig 32. The ¹³C-NMR spectrum of compound **2P**

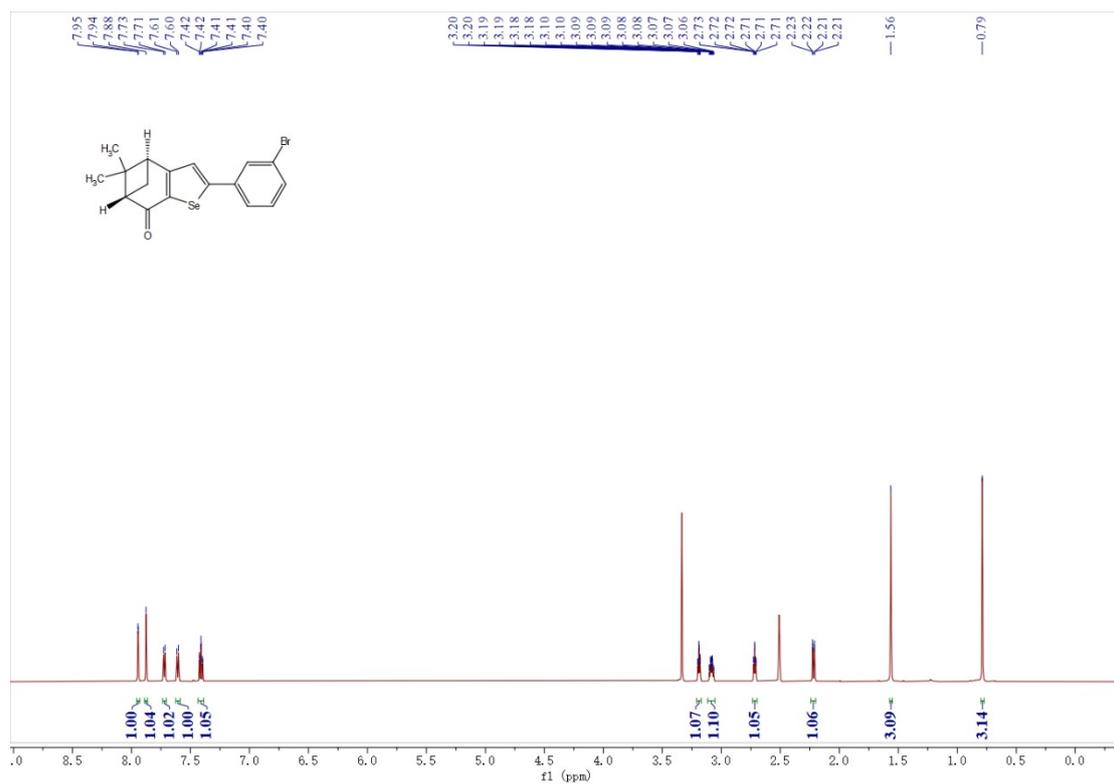


Fig 33. The ¹H-NMR spectrum of compound 2Q

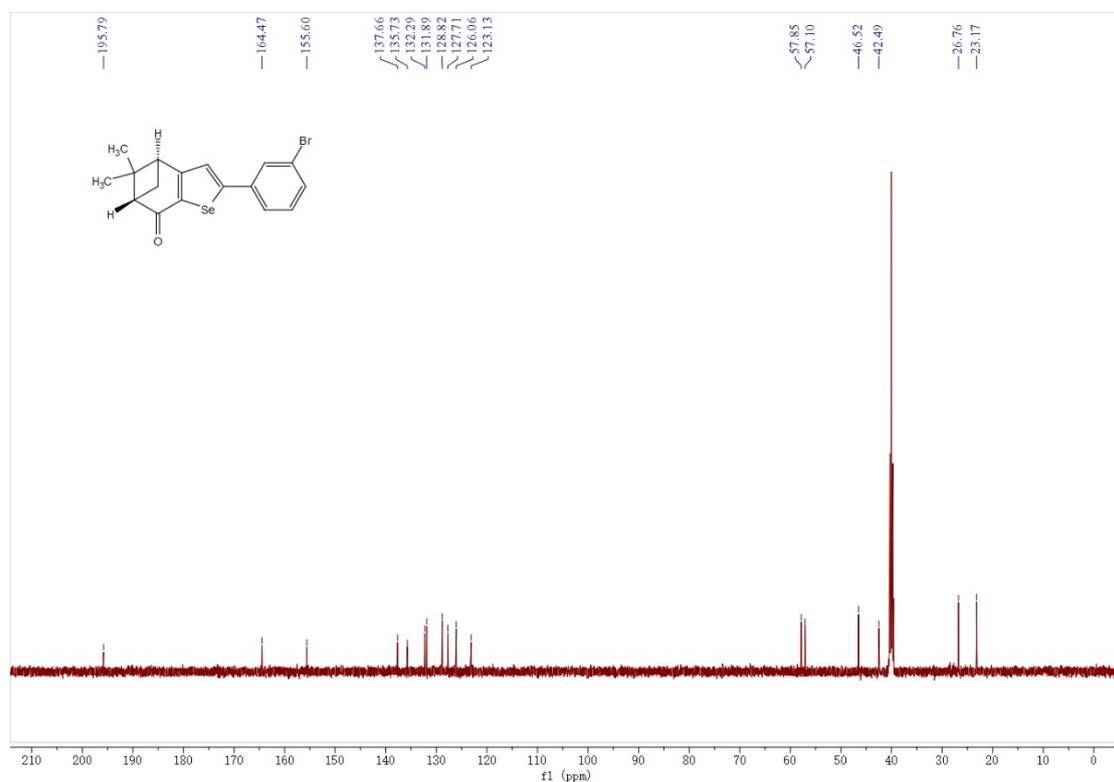


Fig 34. The ¹³C-NMR spectrum of compound 2Q

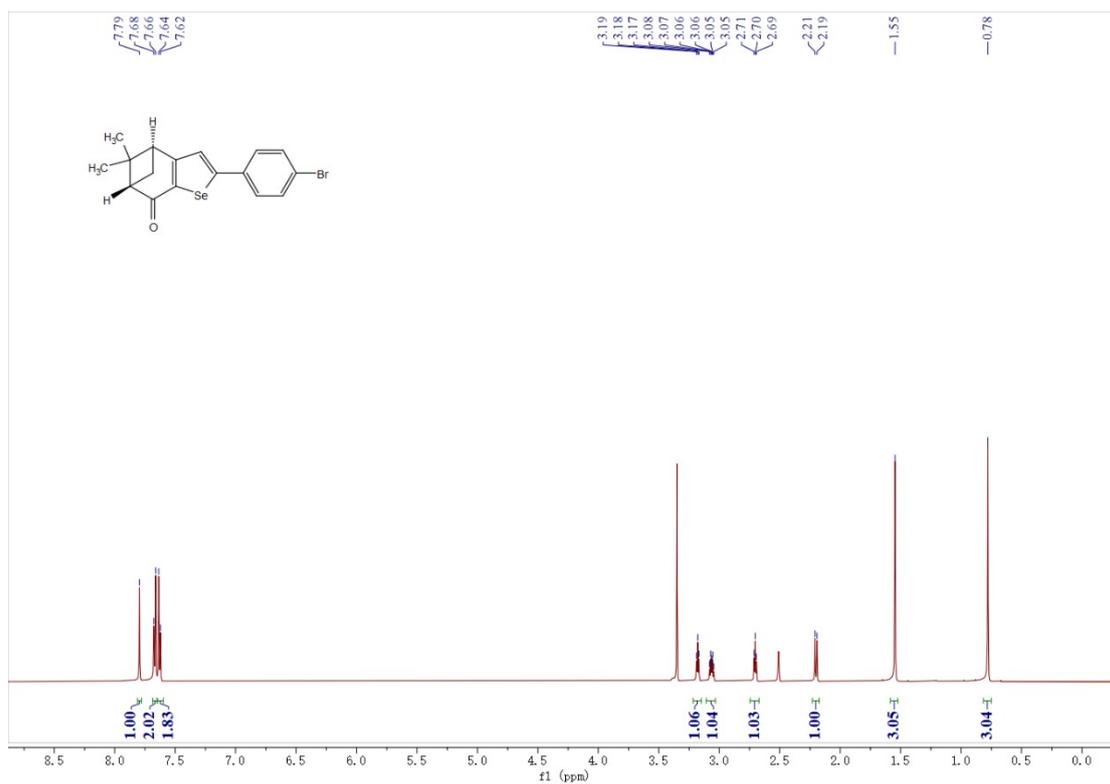


Fig 35. The ¹H-NMR spectrum of compound **2R**

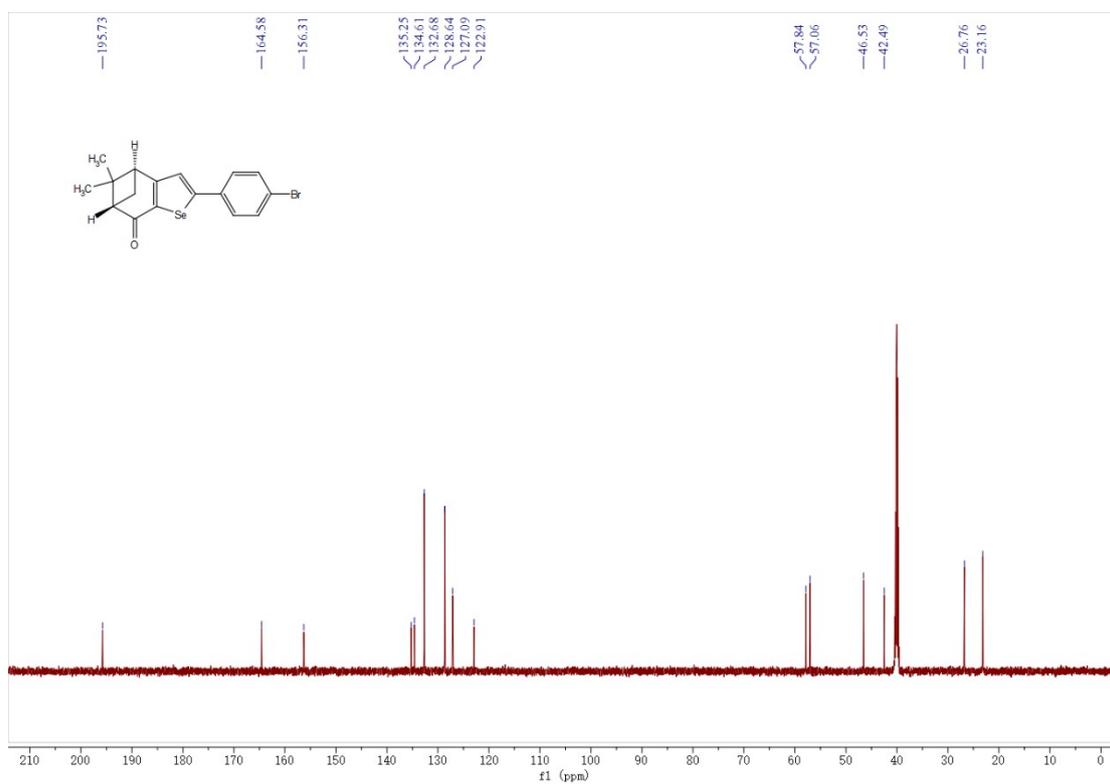


Fig 36. The ¹³C-NMR spectrum of compound **2R**

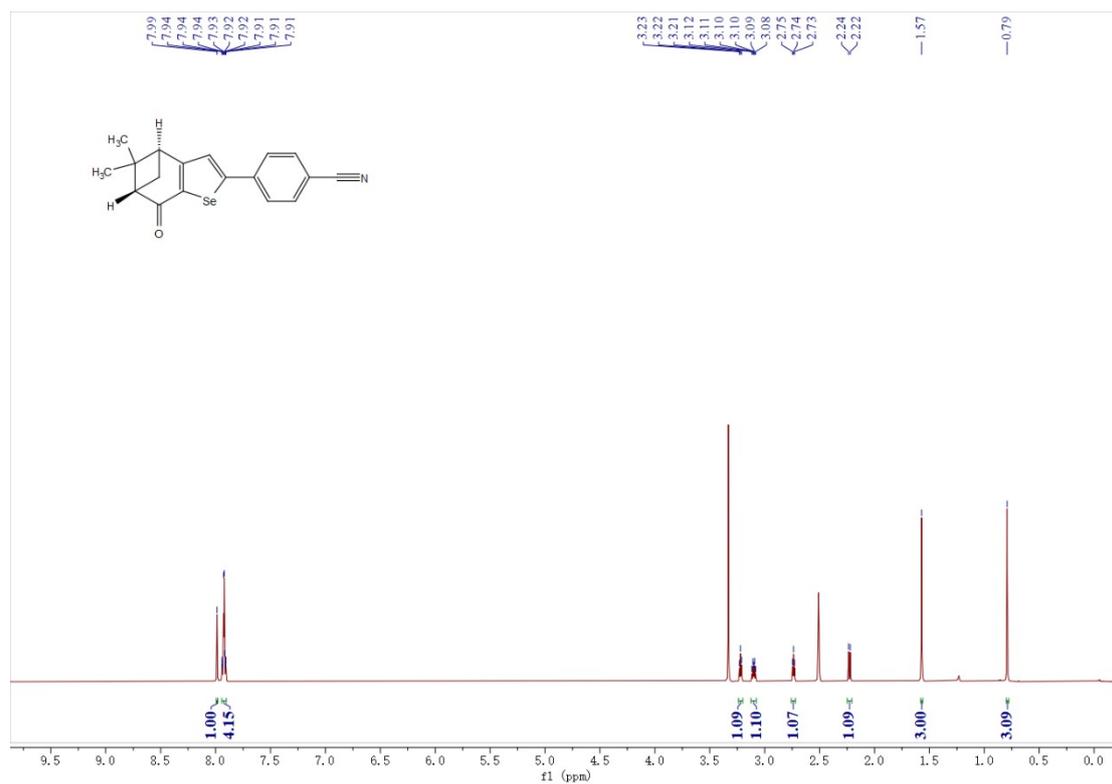


Fig 37. The ¹H-NMR spectrum of compound **2S**

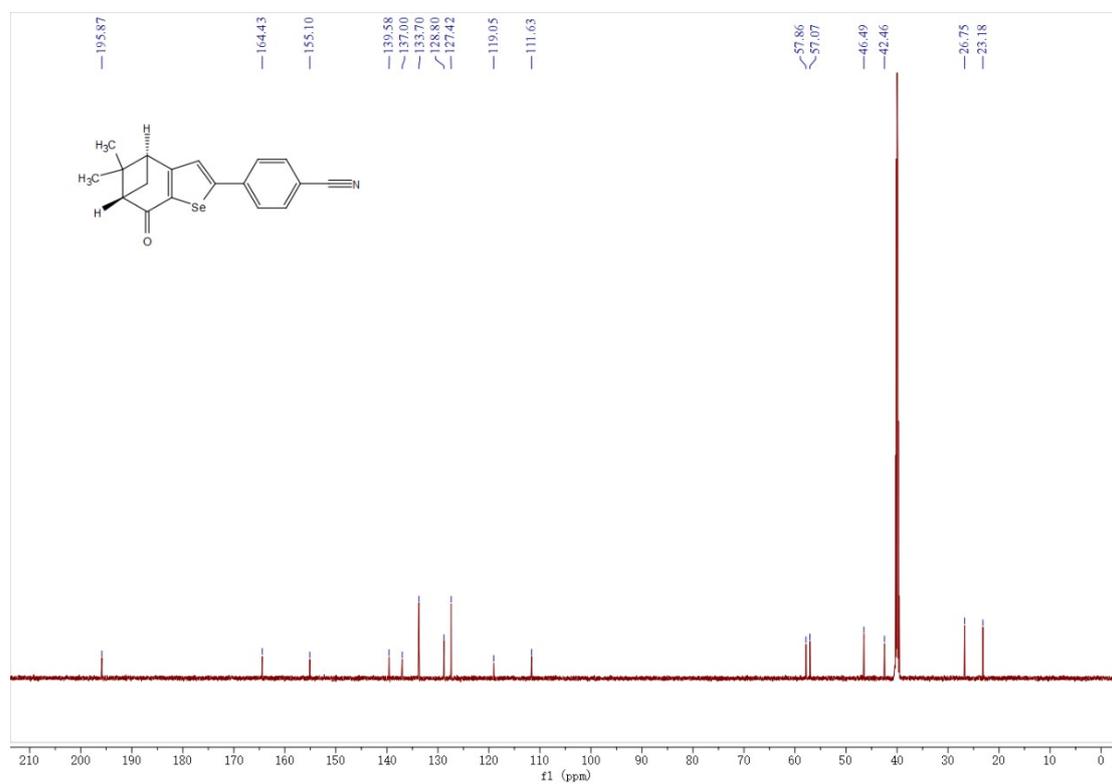


Fig 38. The ¹³C-NMR spectrum of compound **2S**

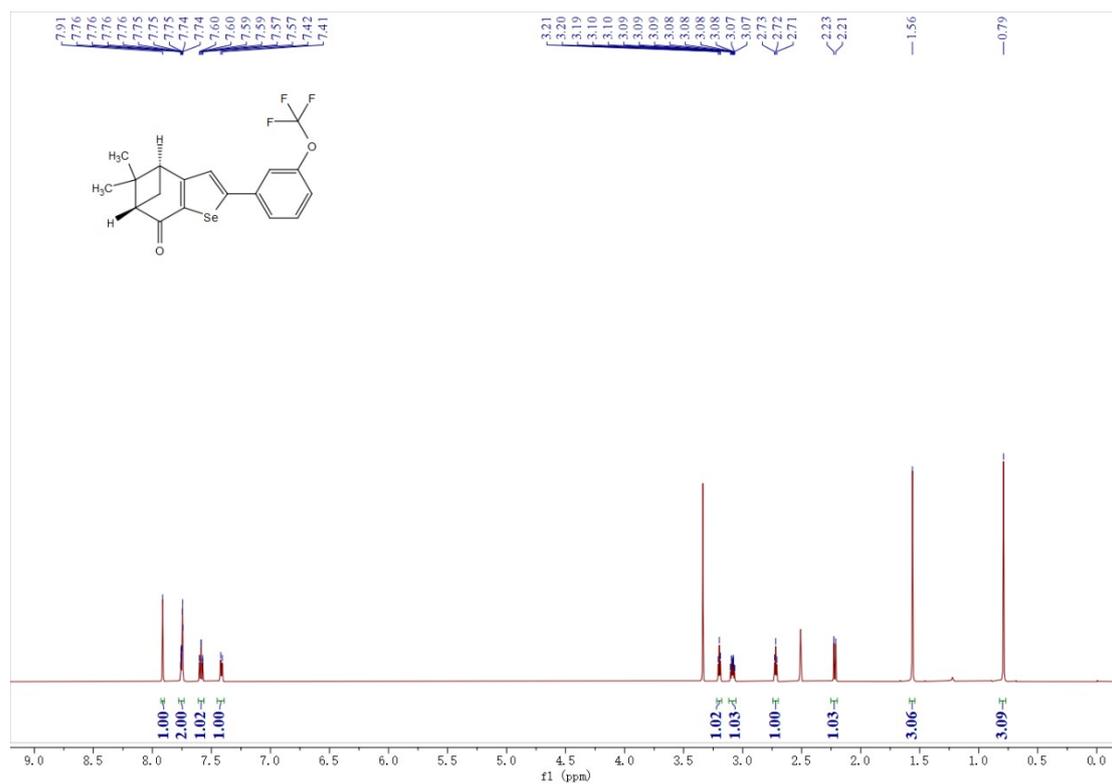


Fig 39. The ¹H-NMR spectrum of compound 2T

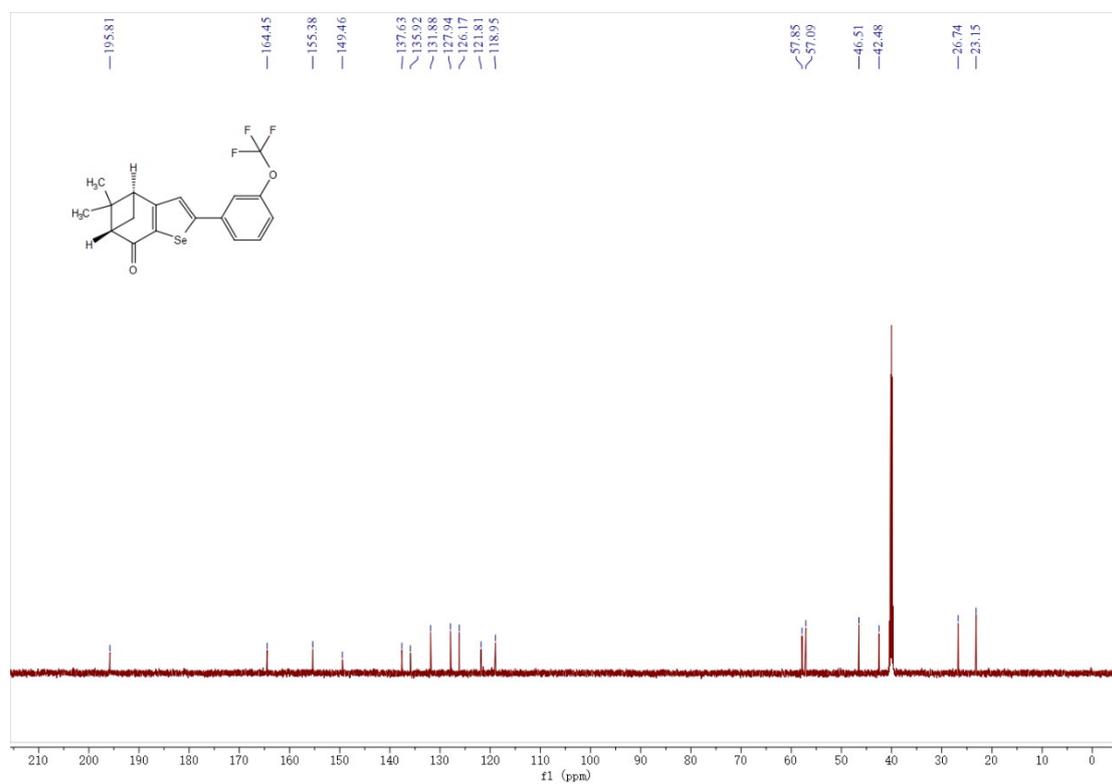


Fig 40. The ¹³C-NMR spectrum of compound 2T

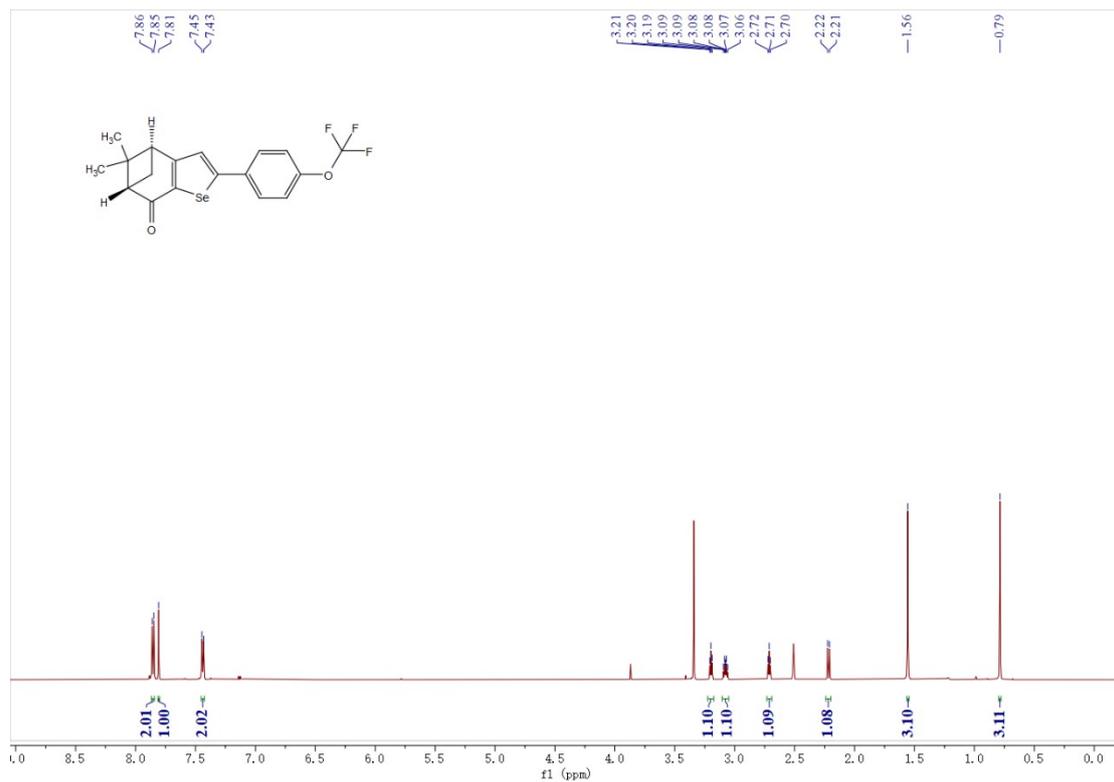


Fig 41. The ¹H-NMR spectrum of compound 2U

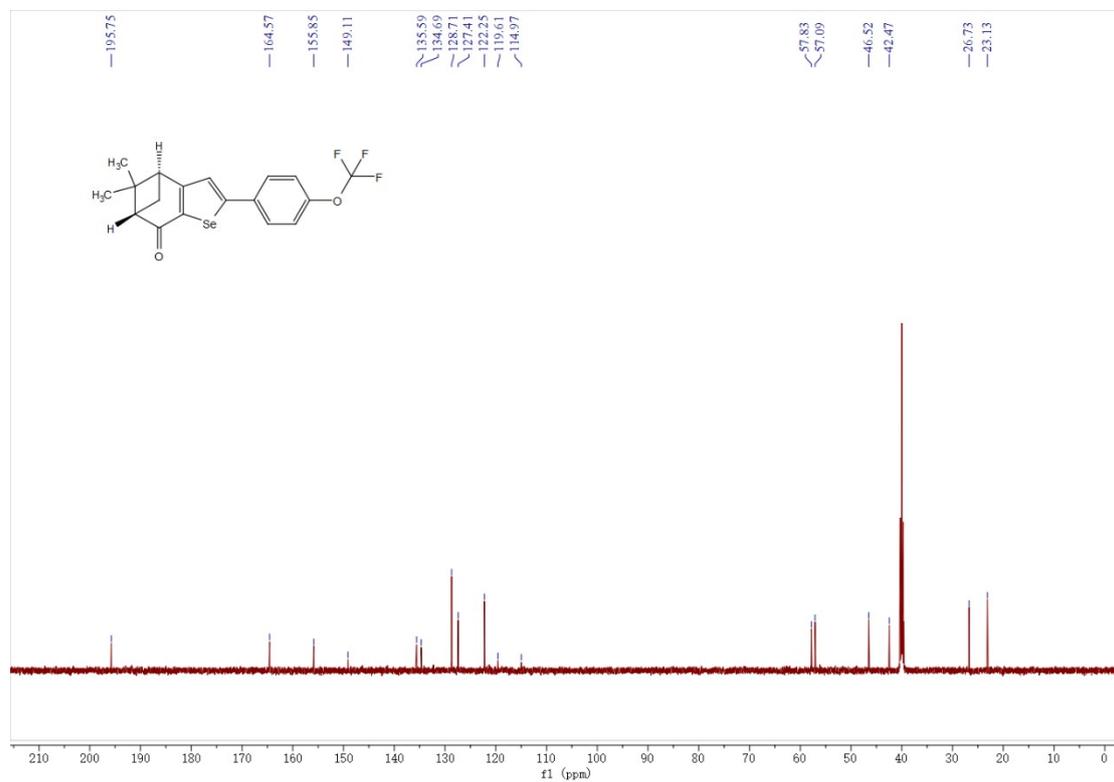


Fig 42. The ¹³C-NMR spectrum of compound 2U

15

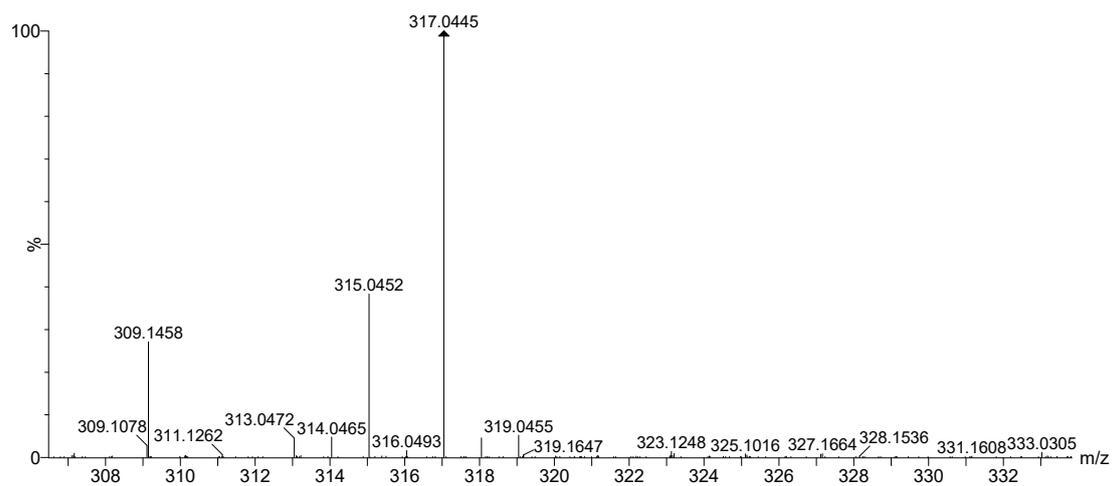


Fig 43. The HR-MS of compound 2A

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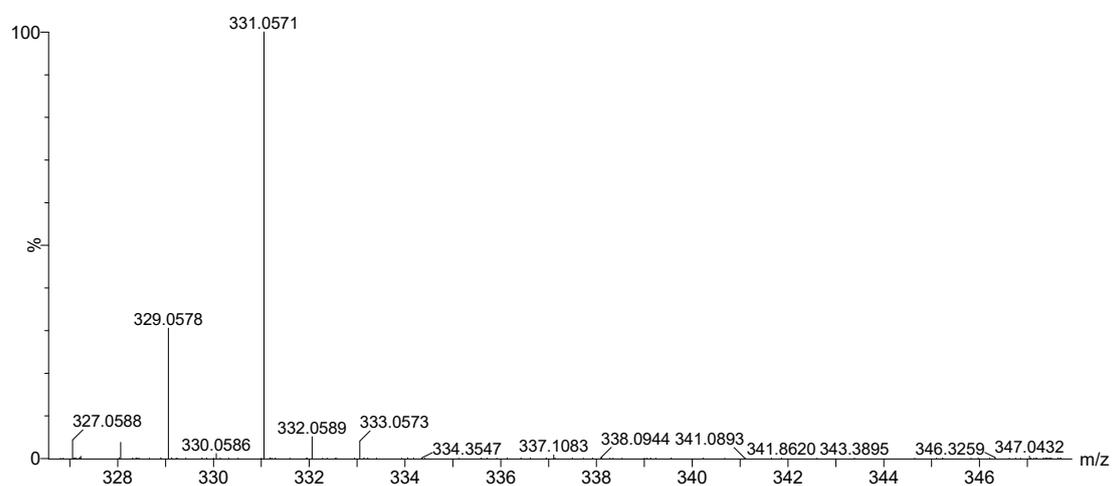


Fig 44. The HR-MS of compound 2B

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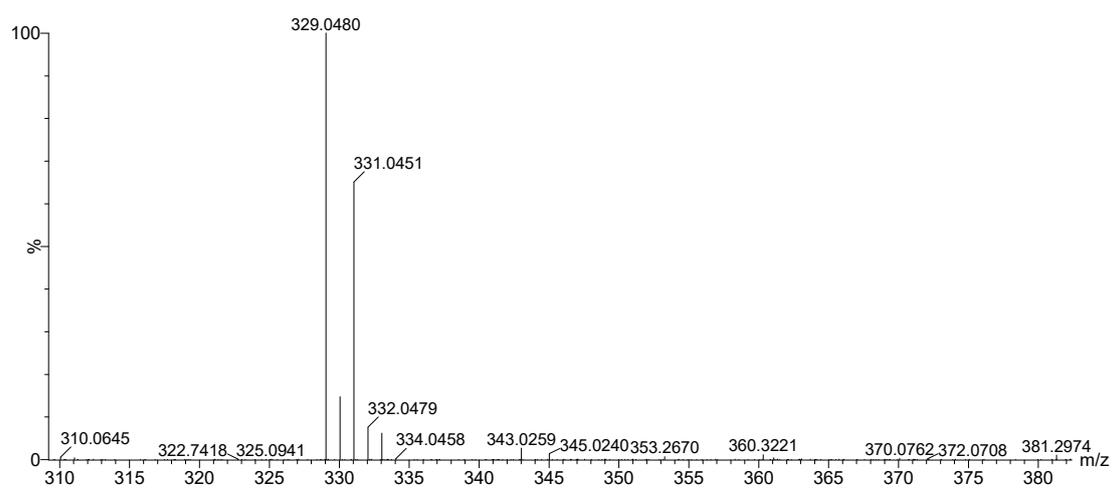


Fig 45. The HR-MS of compound 2C

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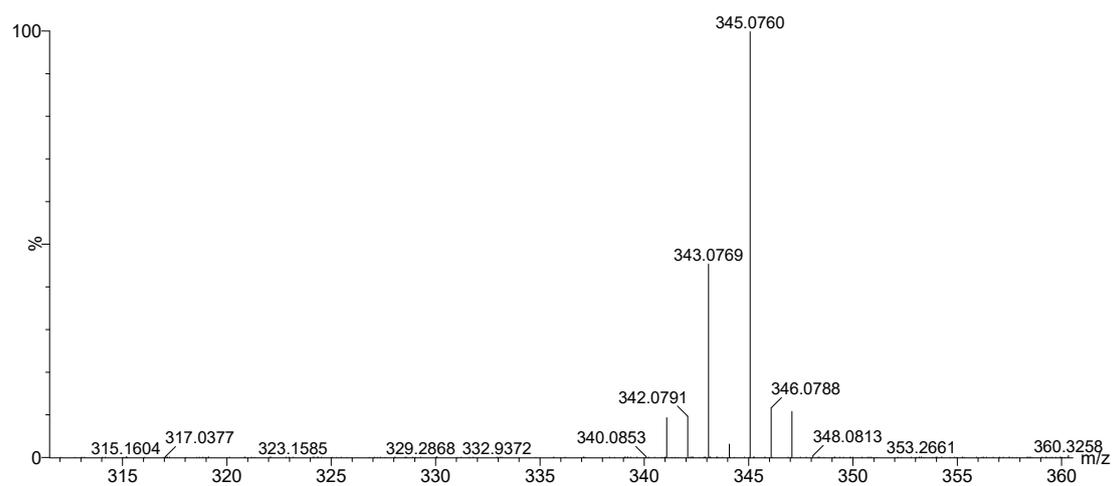


Fig 46 The HR-M of compound 2D

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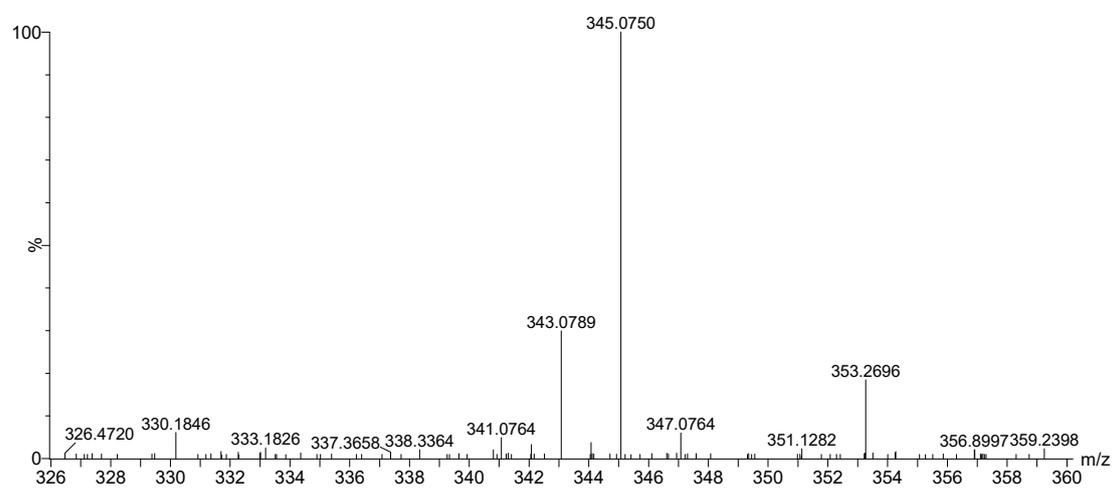


Fig 47. The HR-MS of compound 2E

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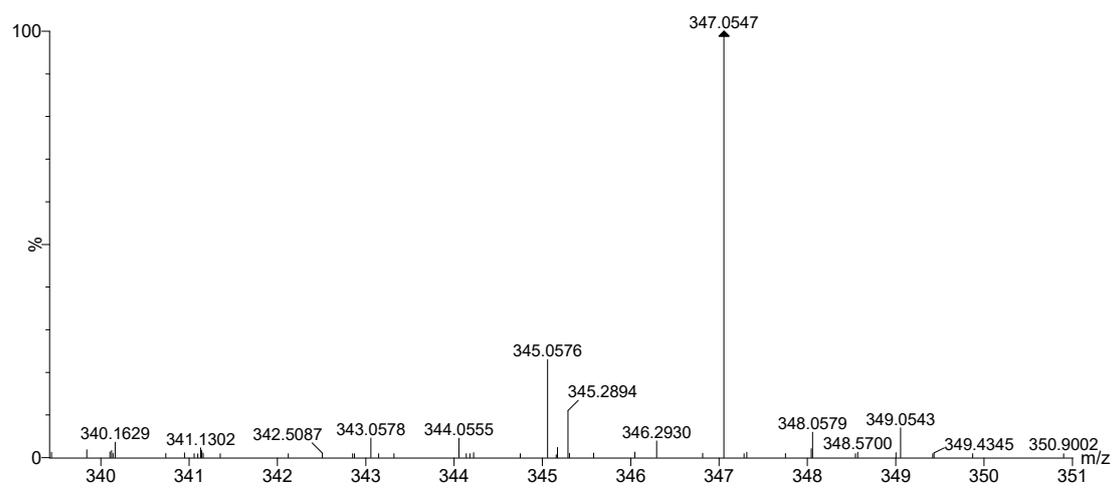


Fig 48. The HR-MS of compound 2F

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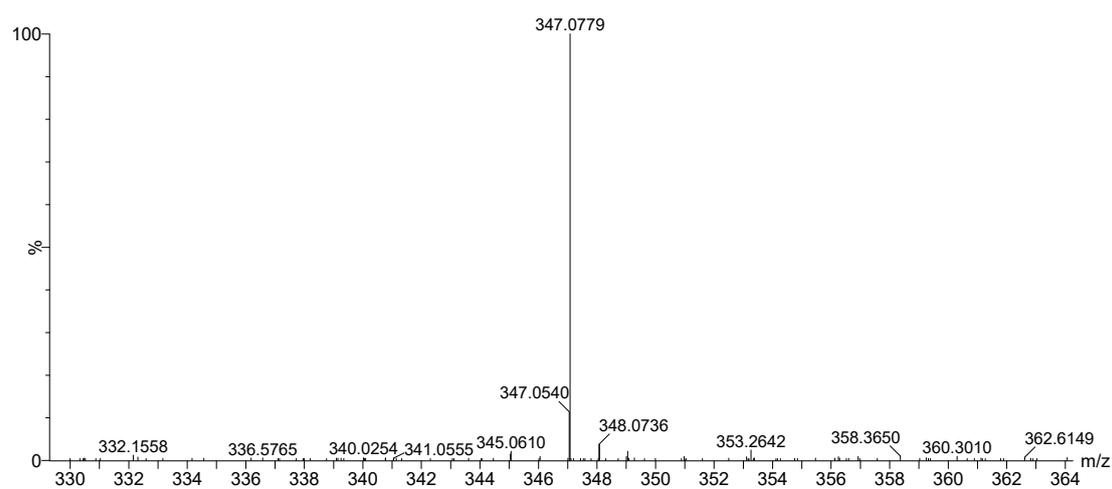


Fig 49. The HR-MS of compound 2G

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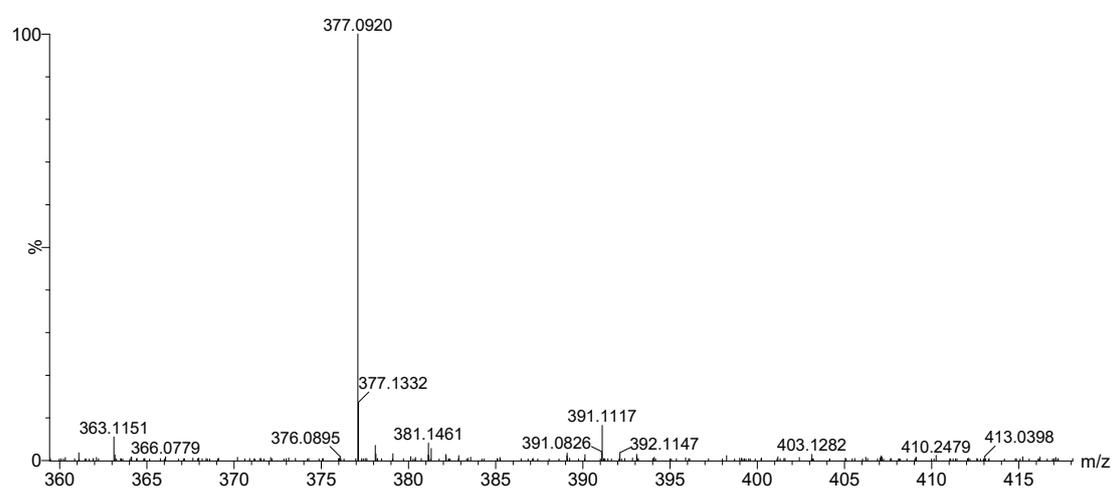


Fig 50. The HR-MS of compound 2H

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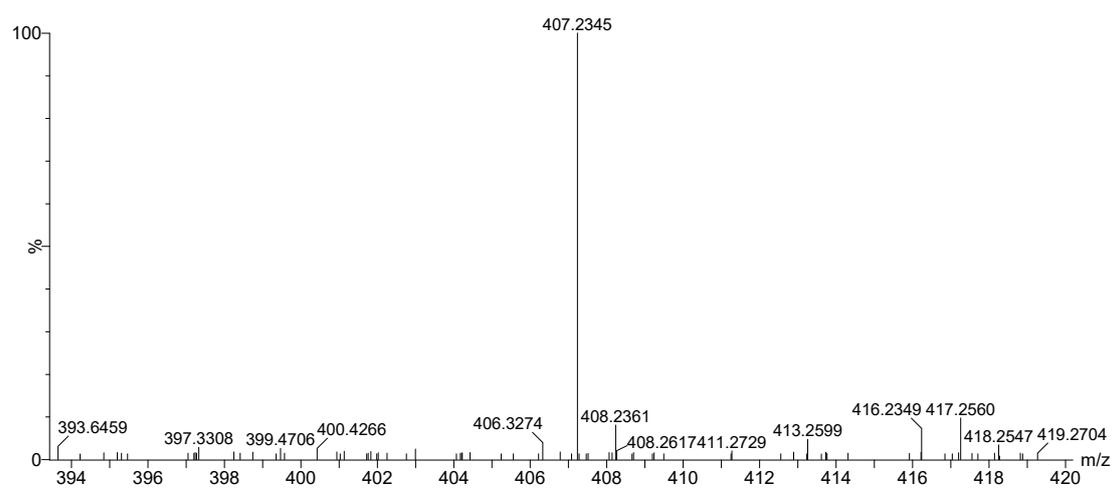


Fig 51. The HR-MS of compound 2I

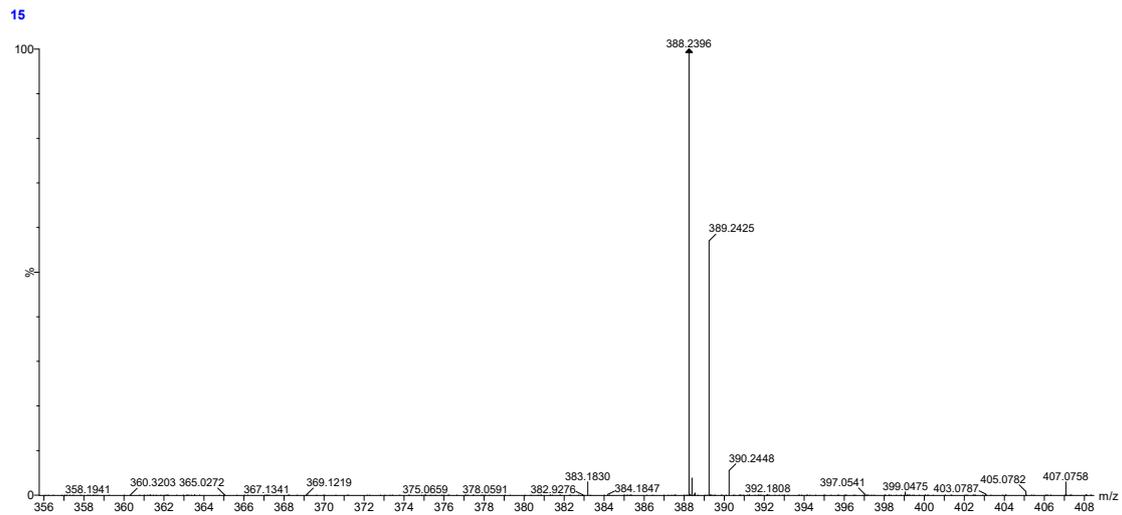


Fig 52. The HR-MS of compound 2J

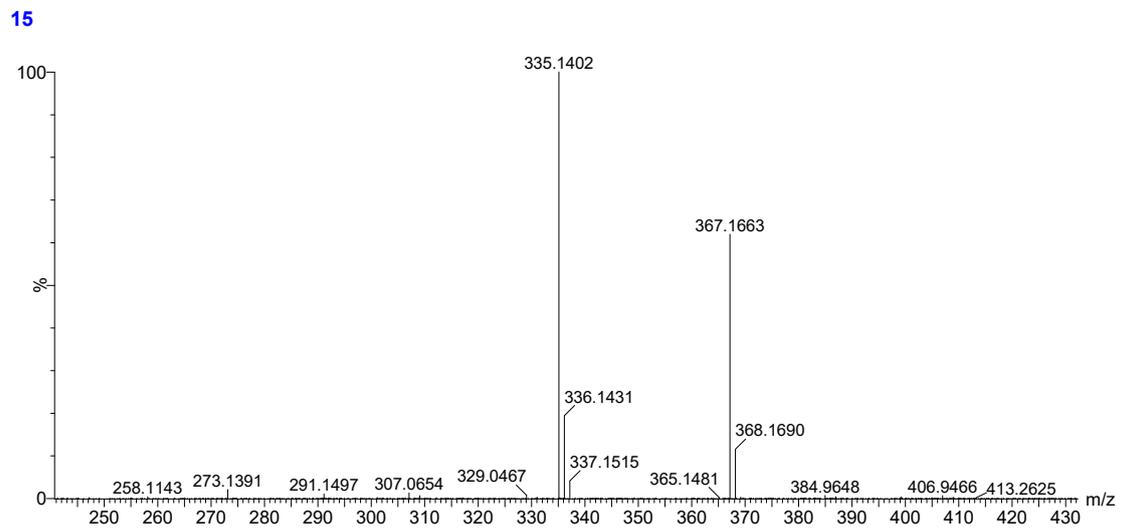


Fig 53. The HR-MS of compound 2K

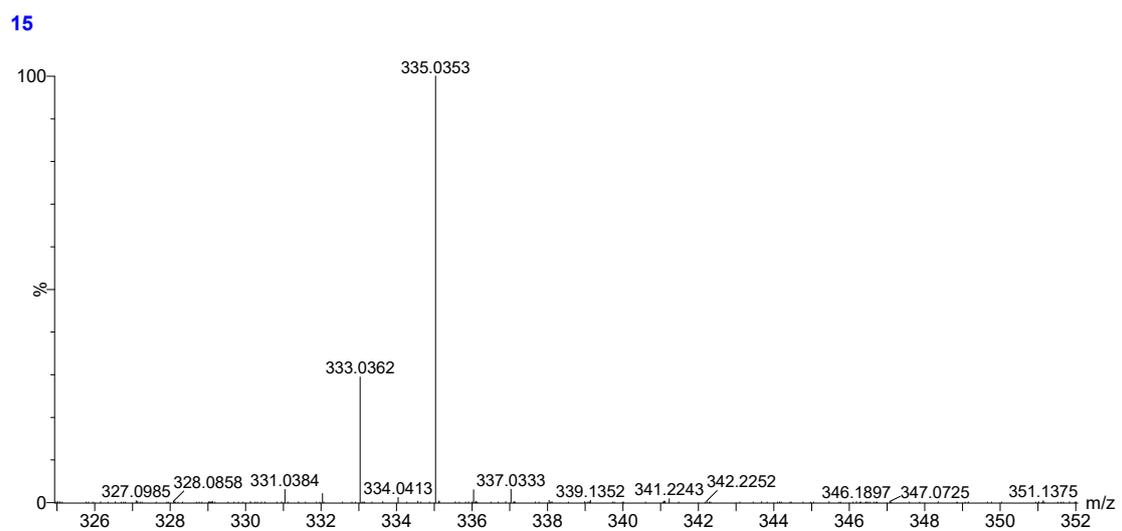


Fig 54. The HR-MS of compound 2L

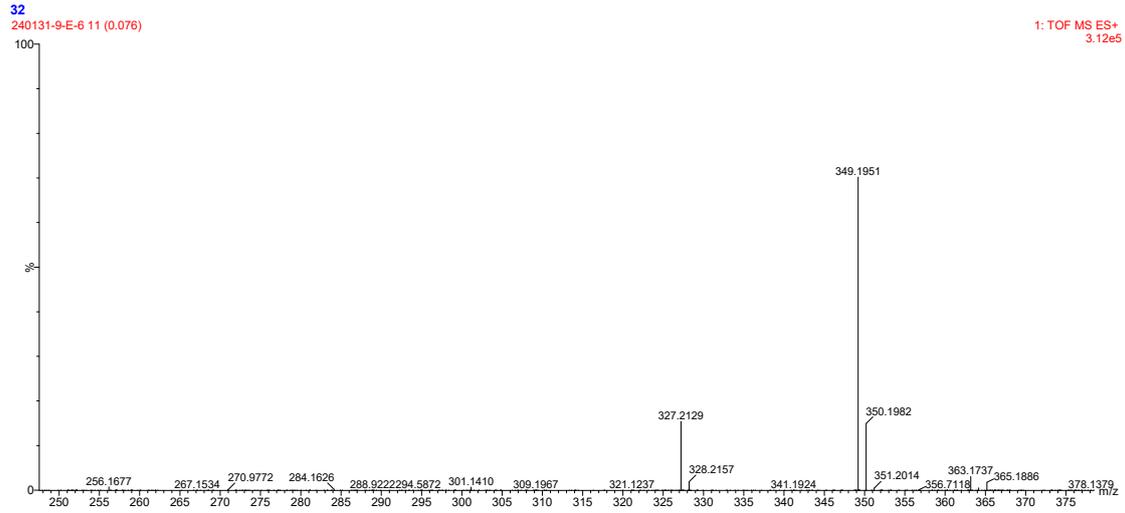


Fig 55. The HR-MS of compound 2M

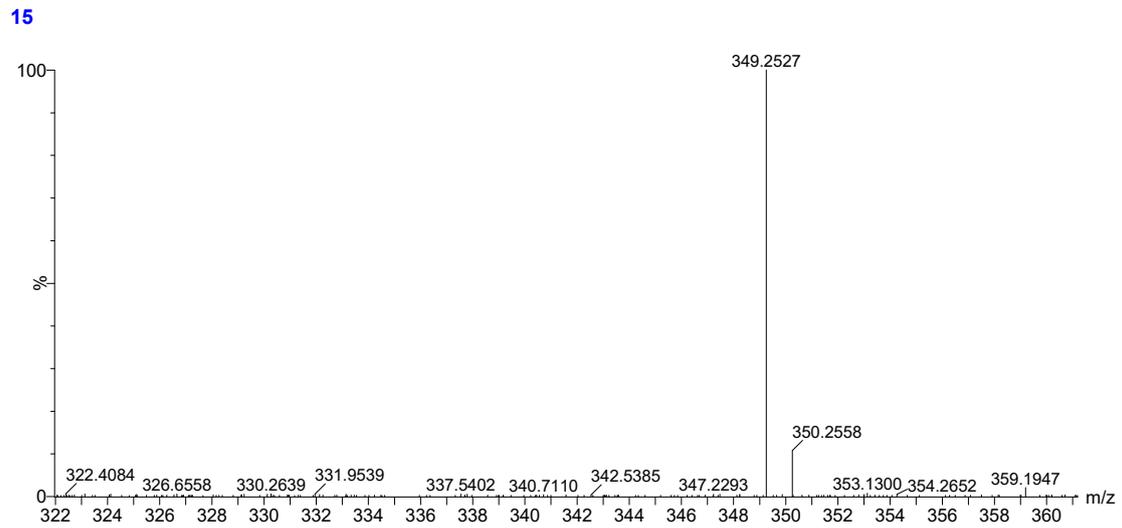


Fig 56. The HR-MS of compound 2N

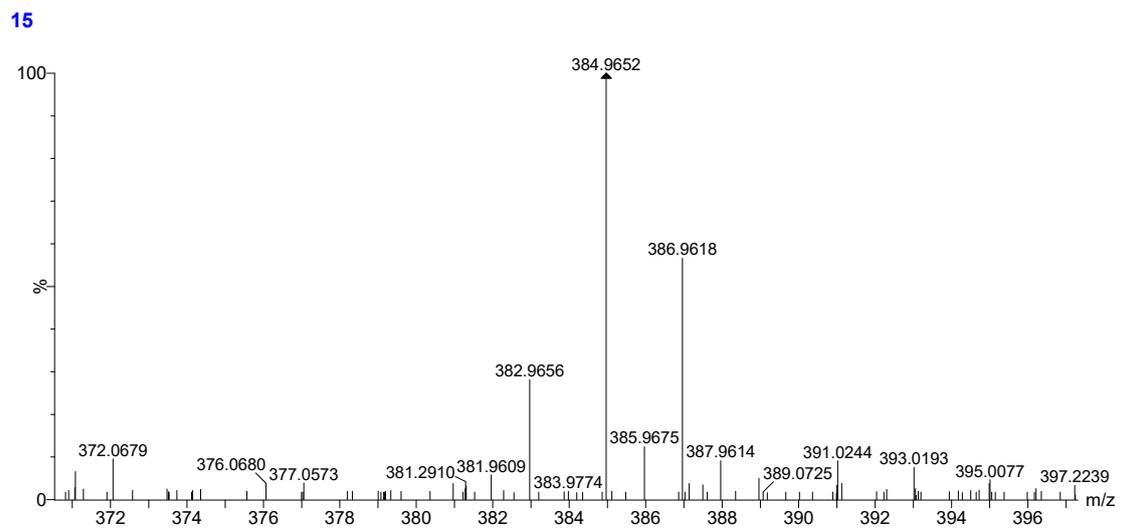


Fig 57. The HR-MS of compound 2O

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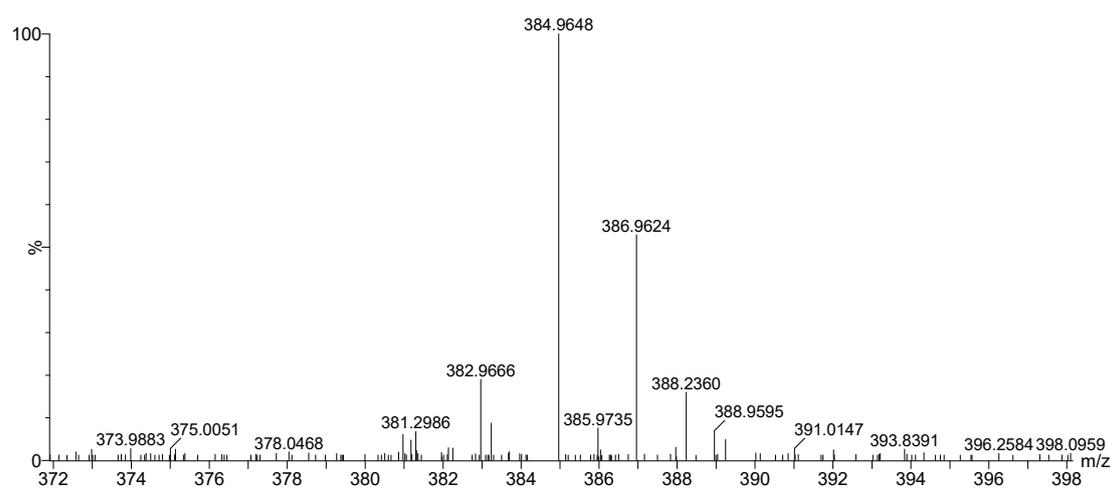


Fig 58. The HR-MS of compound 2P

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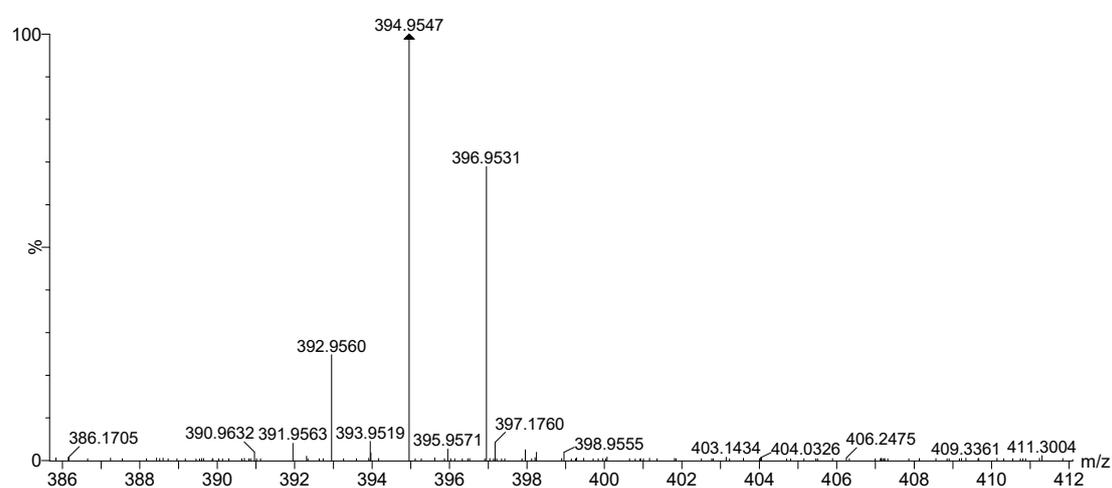


Fig 59. The HR-MS of compound 2Q

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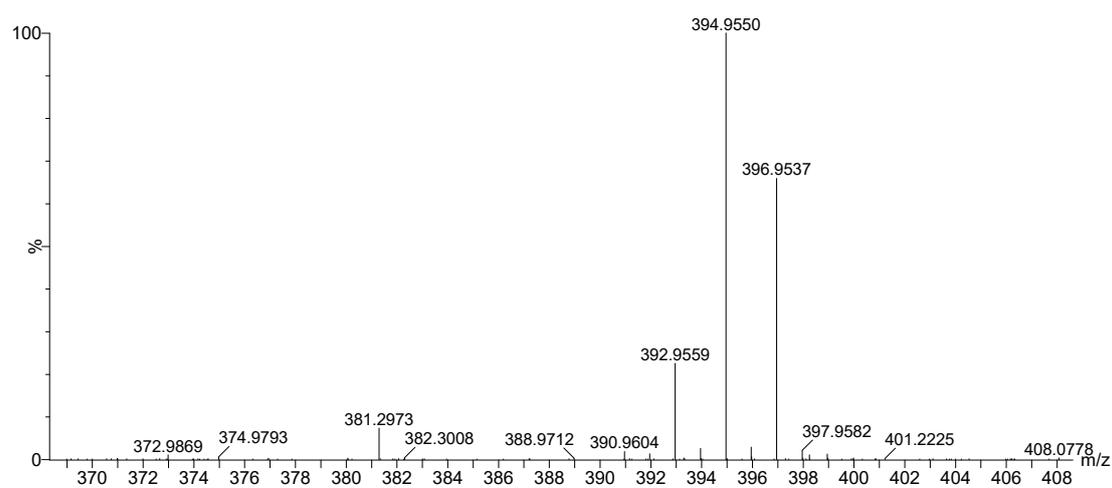


Fig 60. The HR-MS of compound 2R

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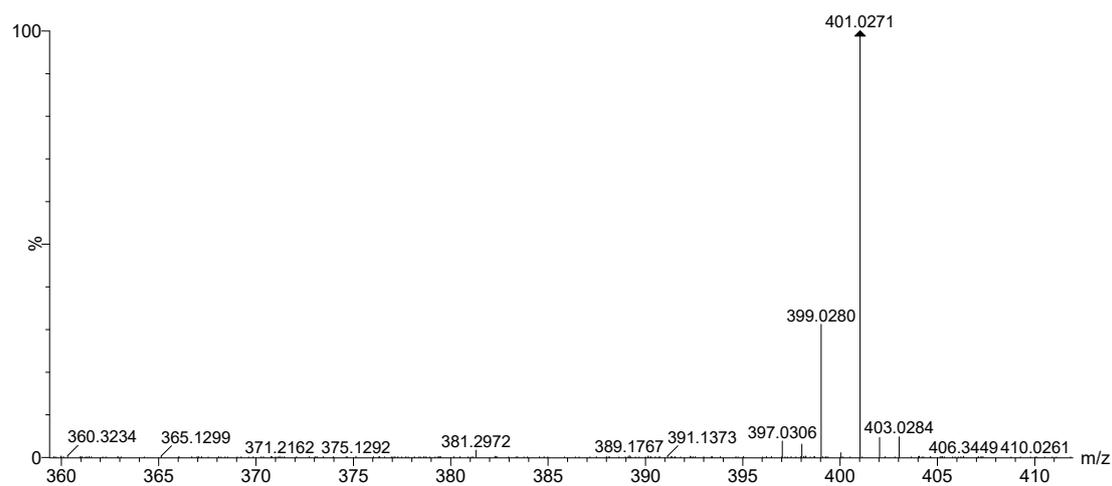


Fig 61. The HR-MS of compound 2T

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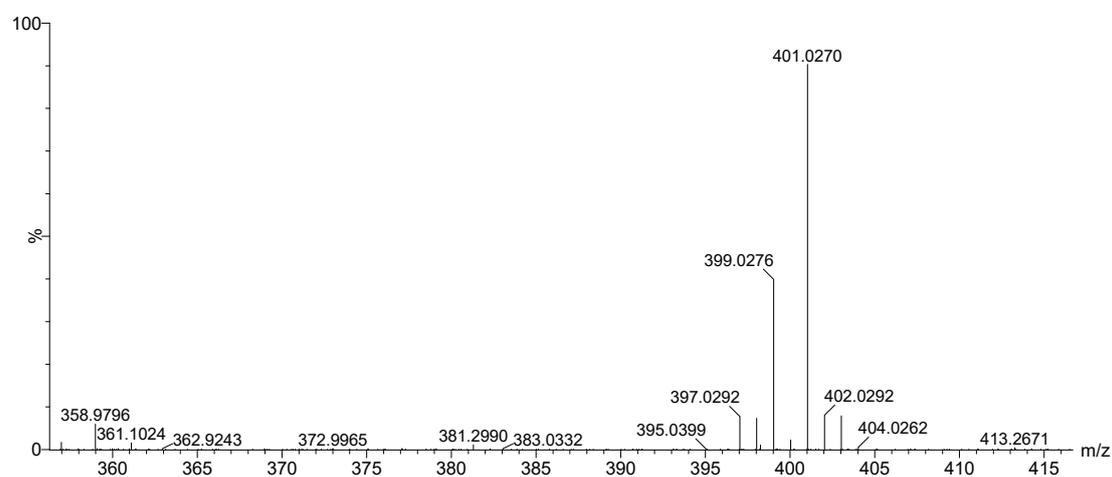


Fig 62. The HR-MS of compound 2U