

SUPPLEMENTARY MATERIAL

Synthesis and Structure–Activity Analysis of Novel Potential Antifungal Cyclotryptamine Alkaloid Derivatives

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¹H and ¹³C NMR Spectra

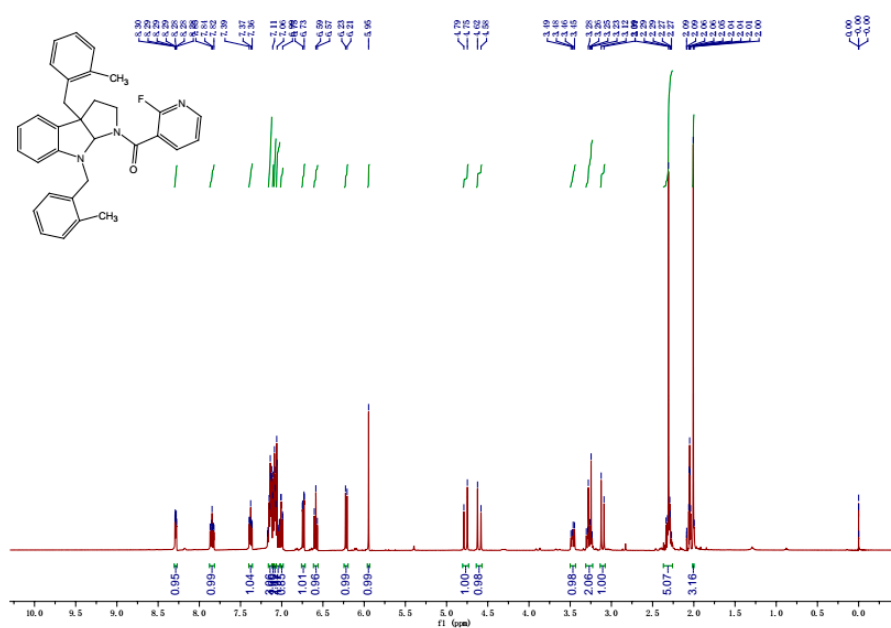


Figure S1. ¹H-NMR spectroscopic data for compound **a1**.

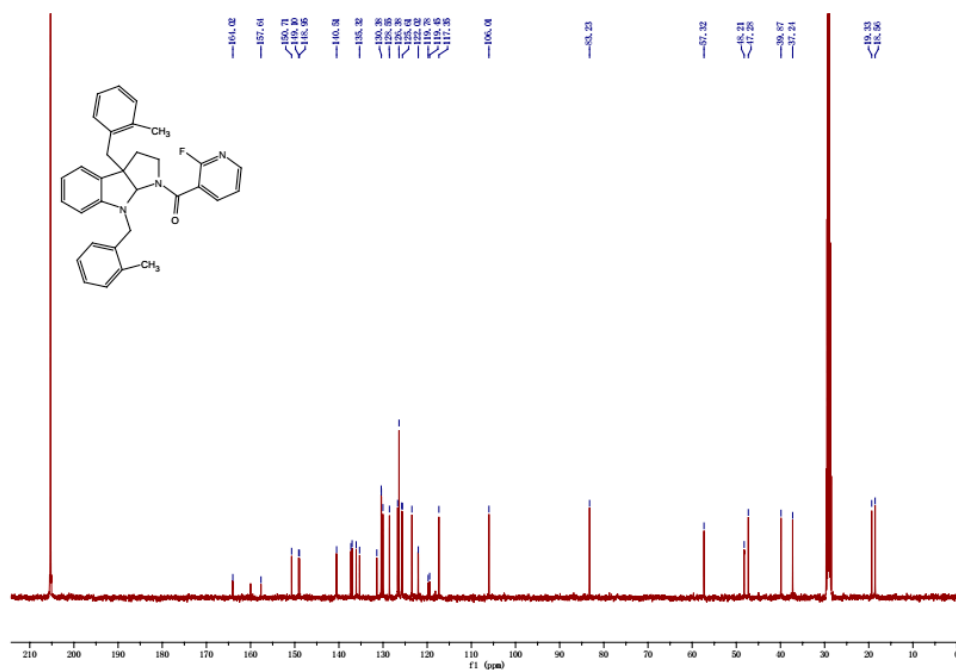


Figure S2. ¹³C-NMR spectroscopic data for compound **a1**

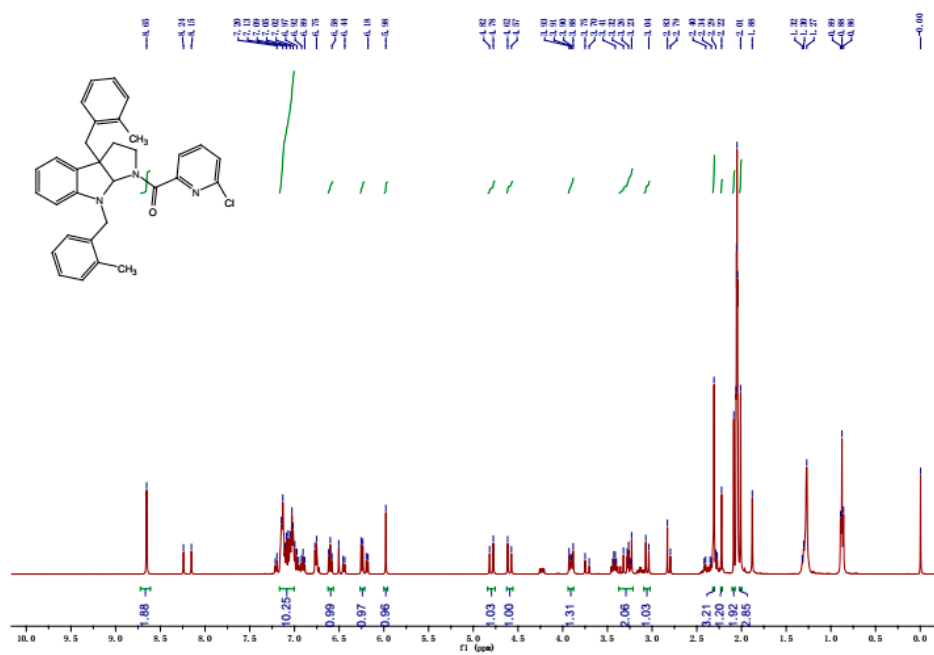


Figure S3. ^1H -NMR spectroscopic data for compound **a2**.

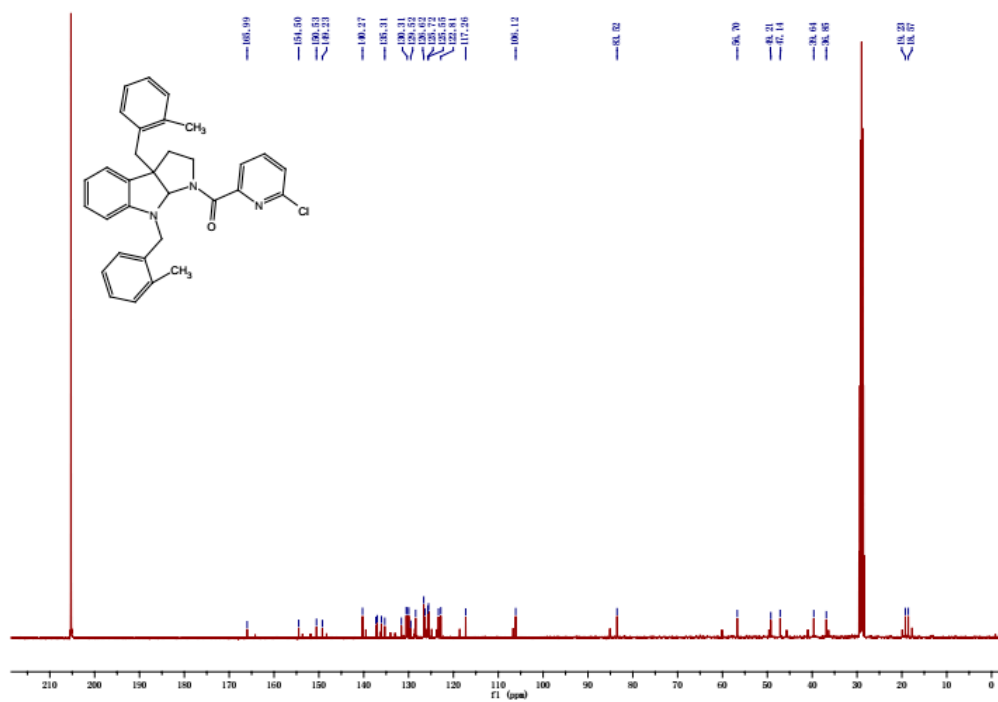


Figure S4. ^{13}C -NMR spectroscopic data for compound **a2**

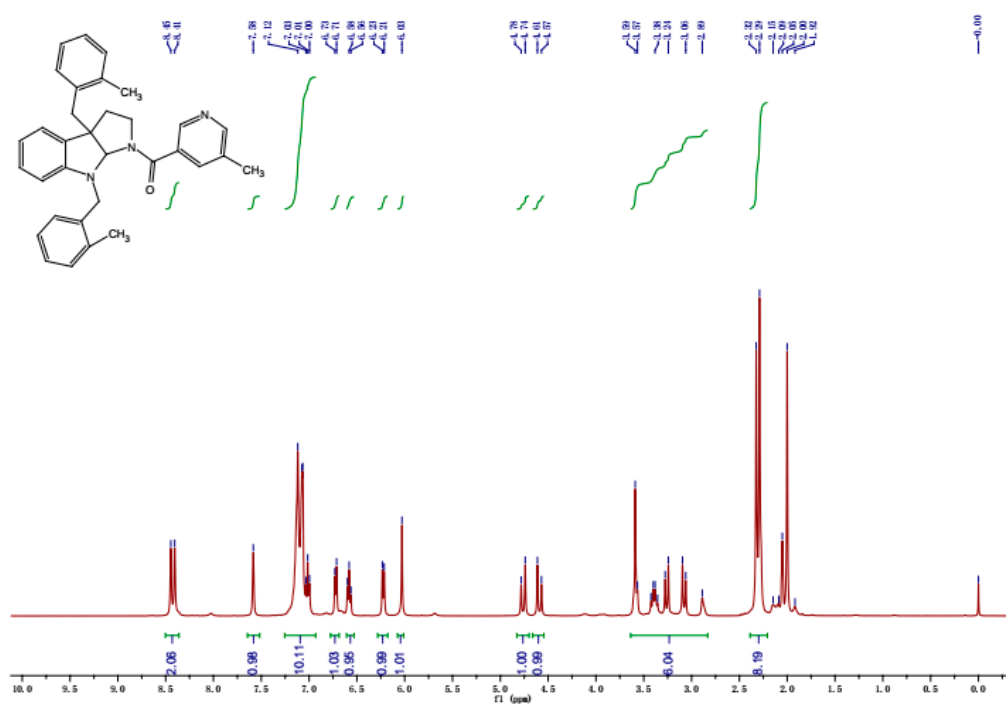


Figure S5. ^1H -NMR spectroscopic data for compound **a3**.

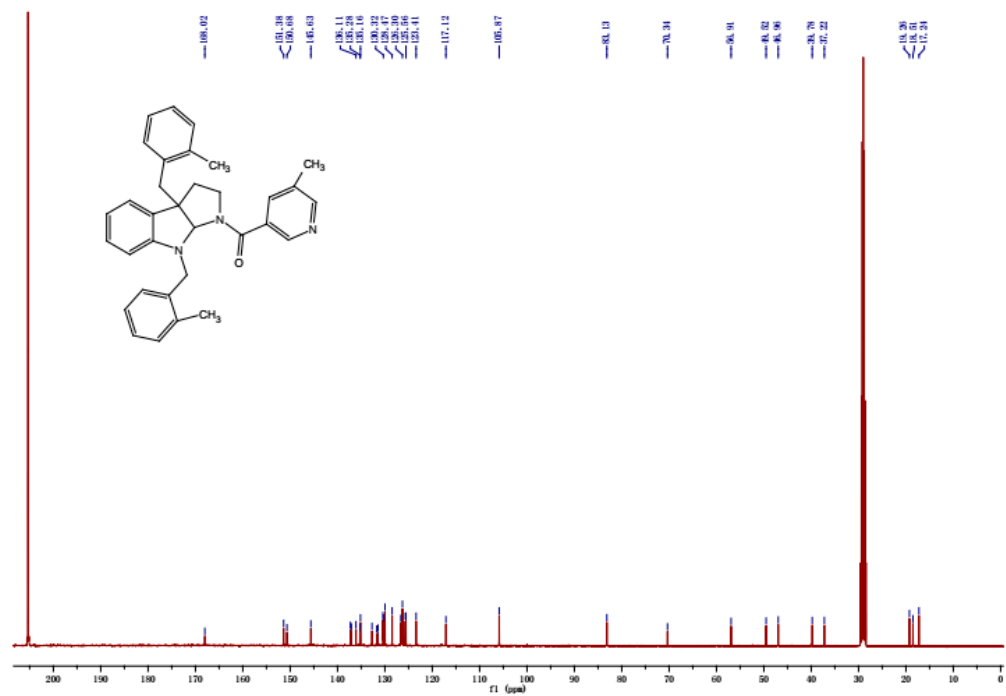


Figure S6. ^{13}C -NMR spectroscopic data for compound **a3**.

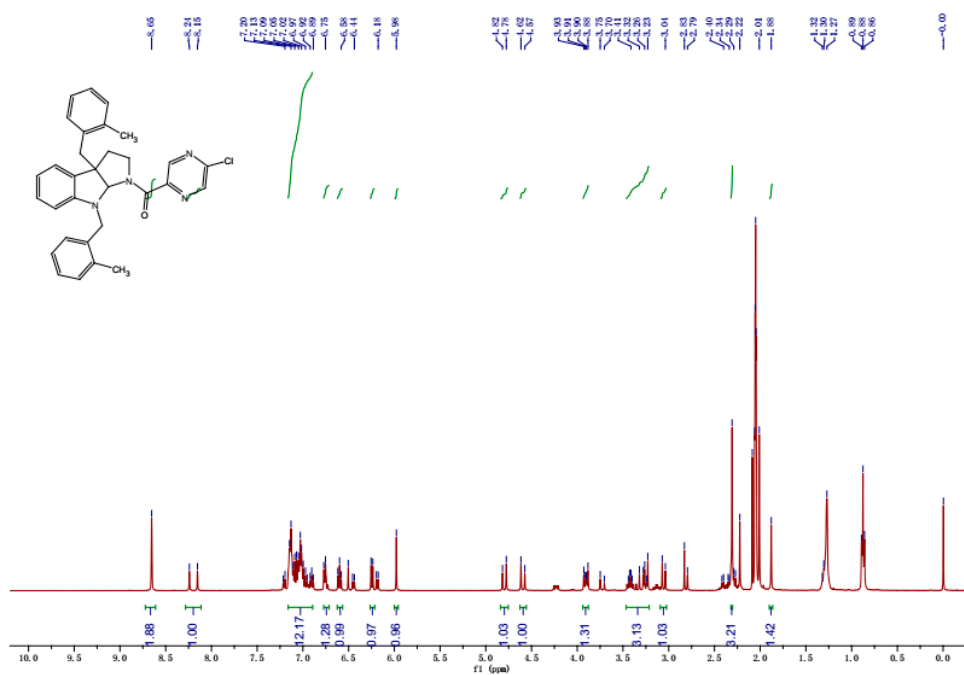


Figure S7. ¹H-NMR spectroscopic data for compound **a4**.

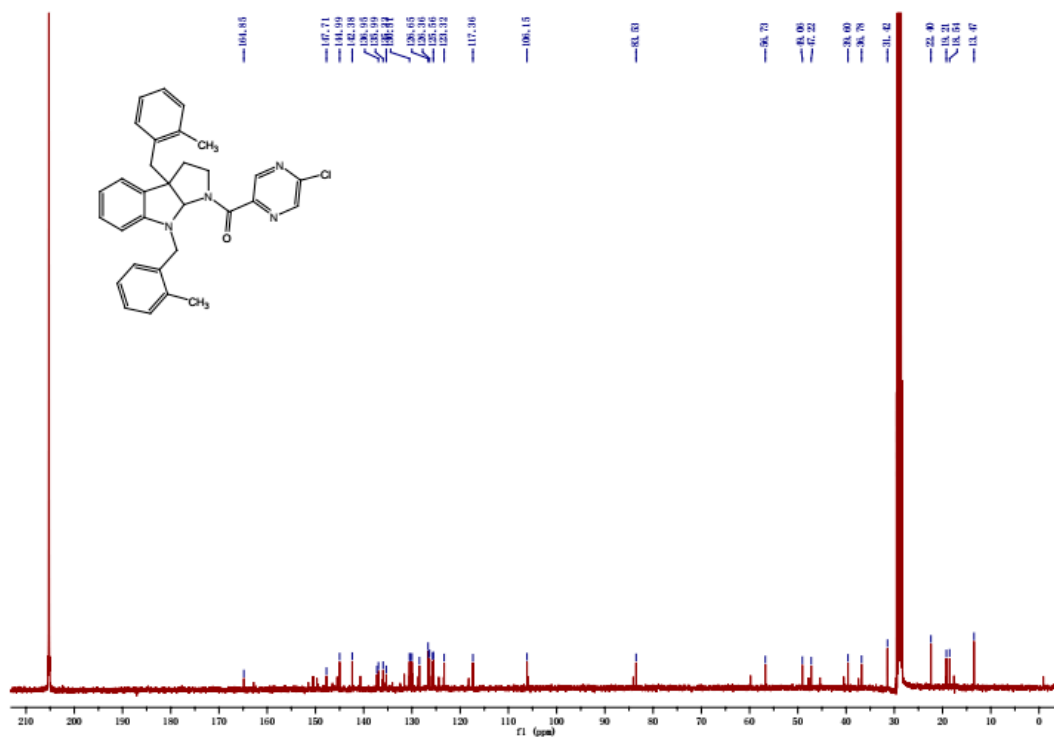


Figure S8. ¹³C-NMR spectroscopic data for compound **a4**

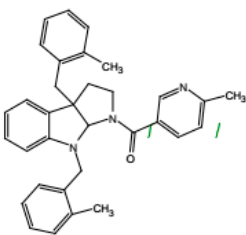


Figure S9. ¹H-NMR spectroscopic data for compound **a5**.

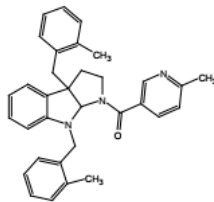


Figure S10. ^{13}C -NMR spectroscopic data for compound **a5**

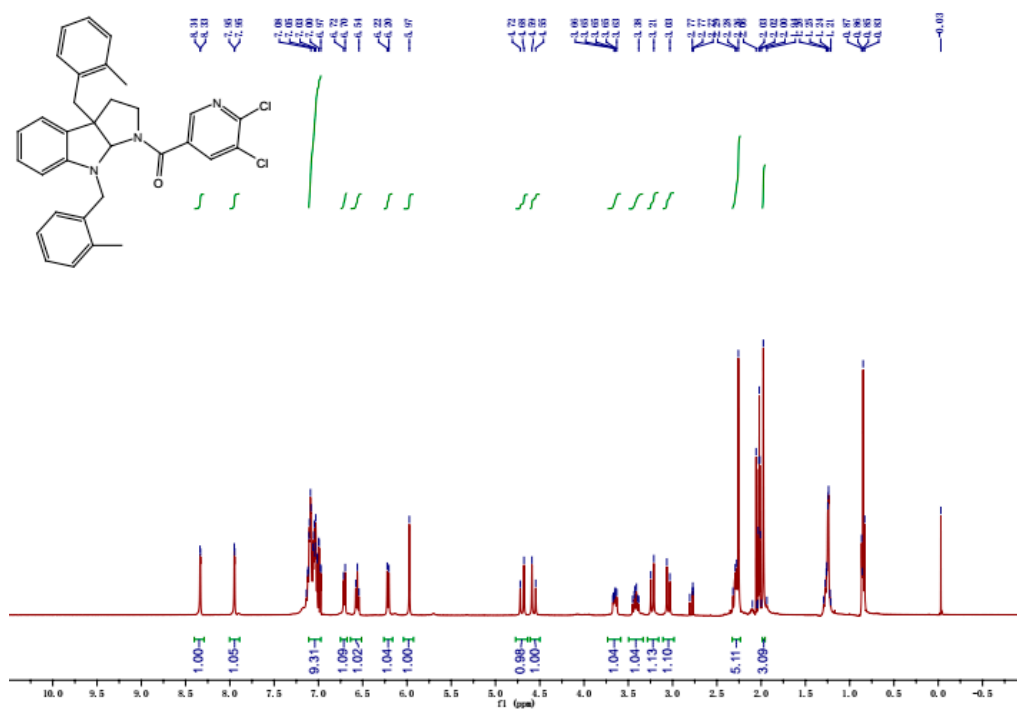


Figure S13. ^1H -NMR spectroscopic data for compound **a7**.

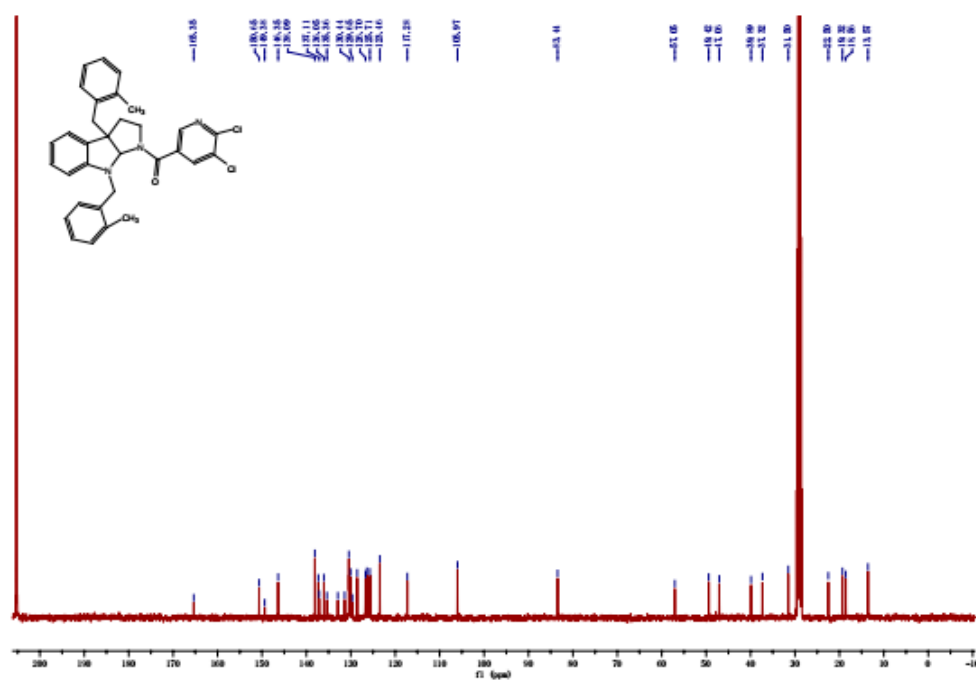


Figure S14. ^{13}C -NMR spectroscopic data for compound **a7**

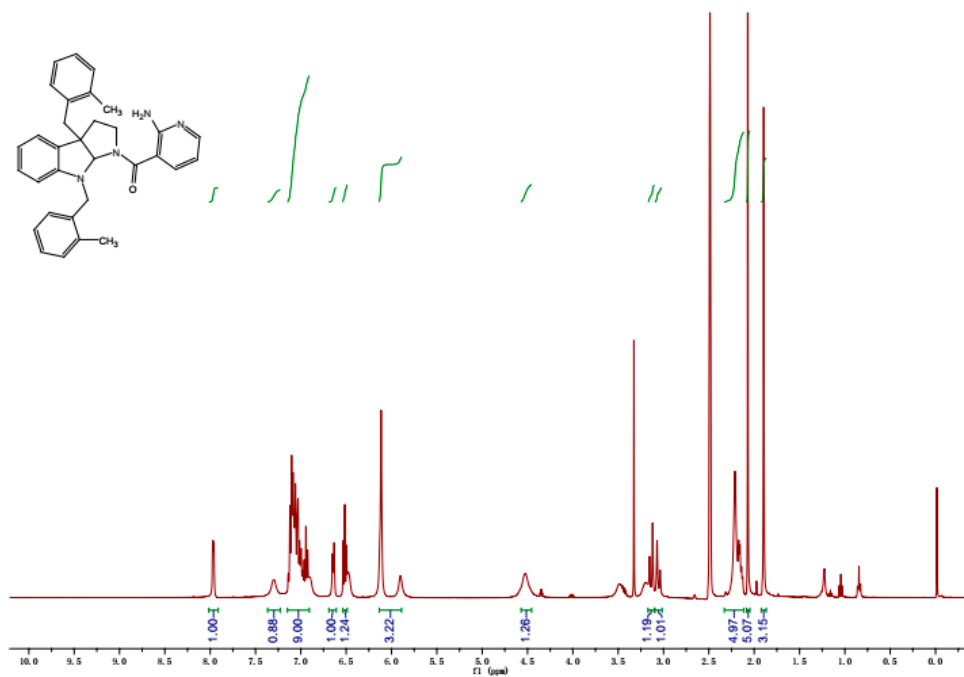


Figure S15. $^1\text{H-NMR}$ spectroscopic data for compound **a8**.

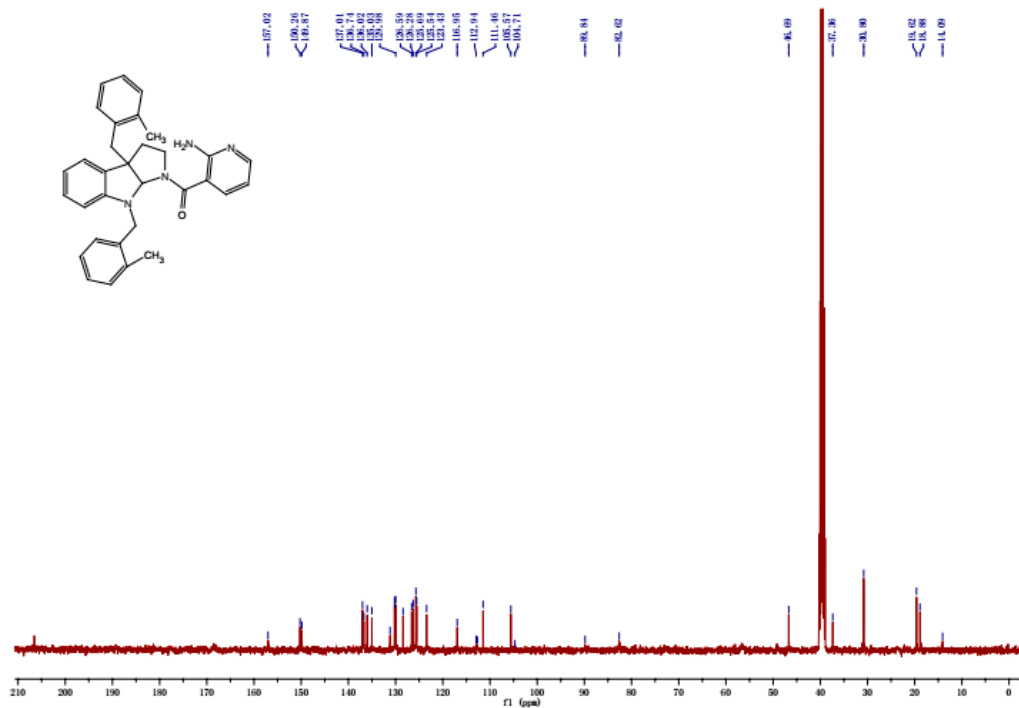


Figure S16. $^{13}\text{C-NMR}$ spectroscopic data for compound **a8**

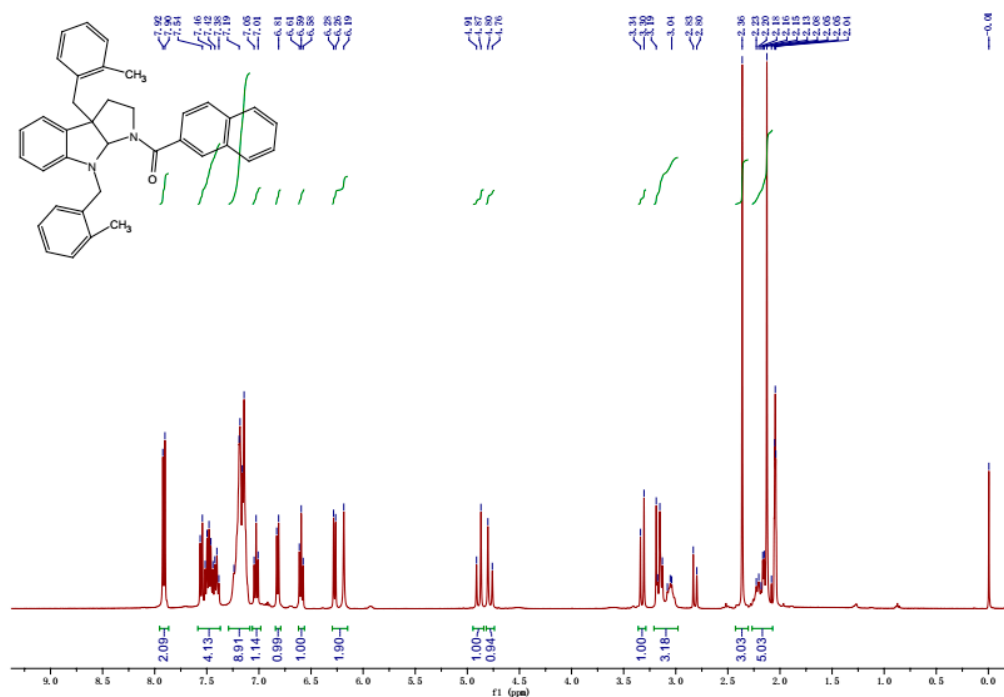


Figure S17. ¹H-NMR spectroscopic data for compound **a9**.

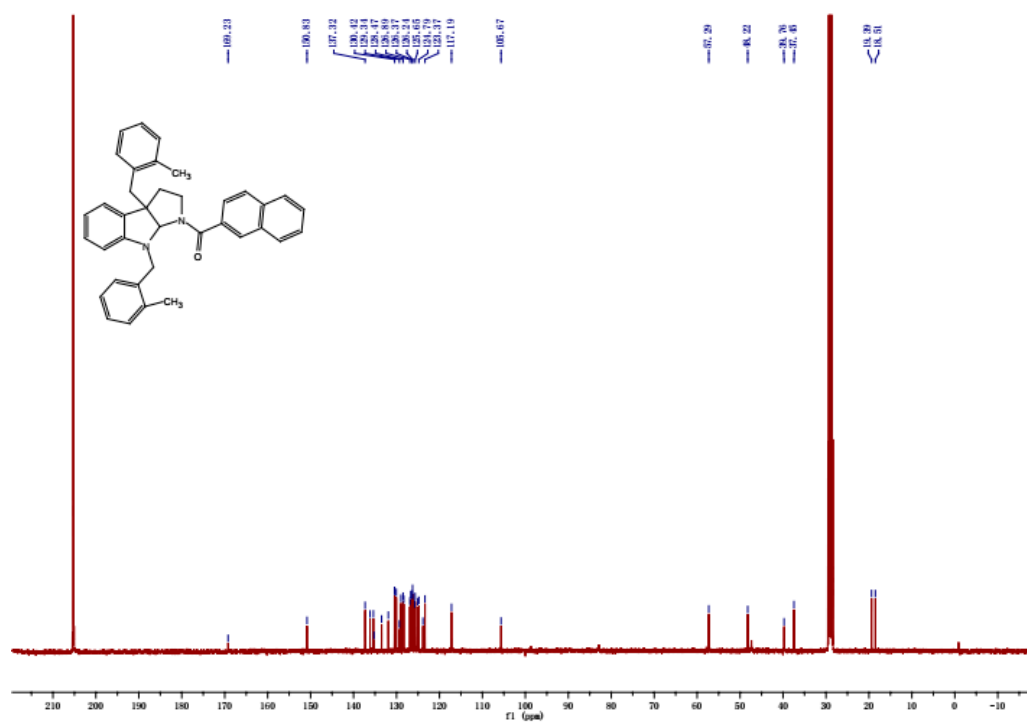


Figure S18. ¹³C-NMR spectroscopic data for compound **a9**

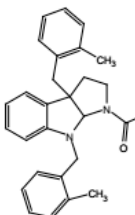


Figure S19. ¹H-NMR spectroscopic data for compound **a10**.

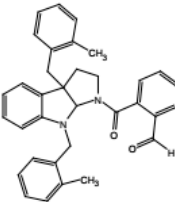


Figure S20. ^{13}C -NMR spectroscopic data for compound **a10**

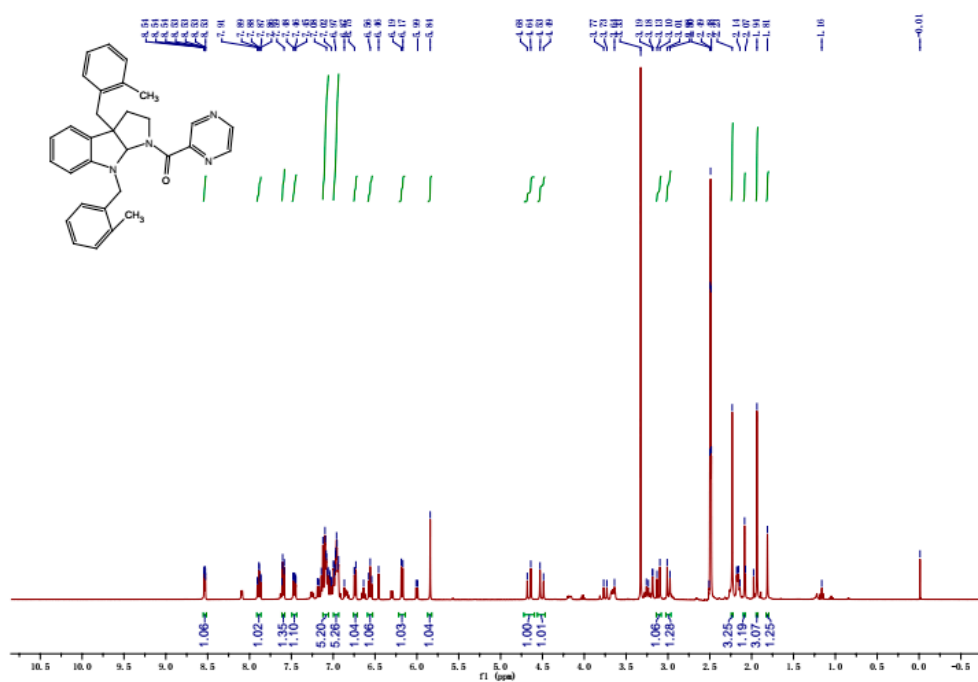


Figure S21. ^1H -NMR spectroscopic data for compound **a11**.

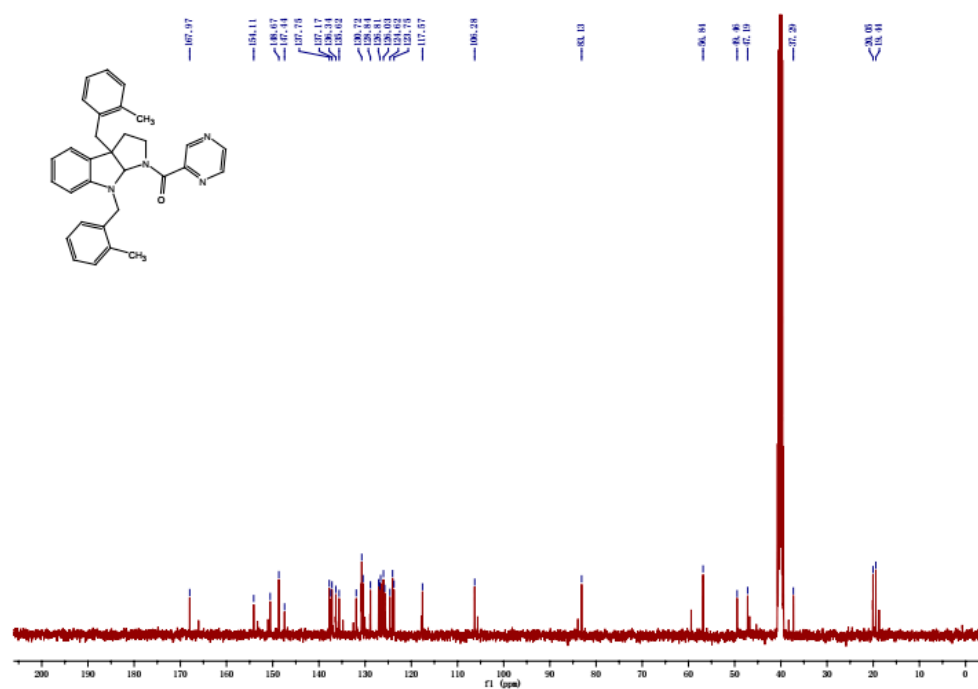


Figure S22. ^{13}C -NMR spectroscopic data for compound **a11**.

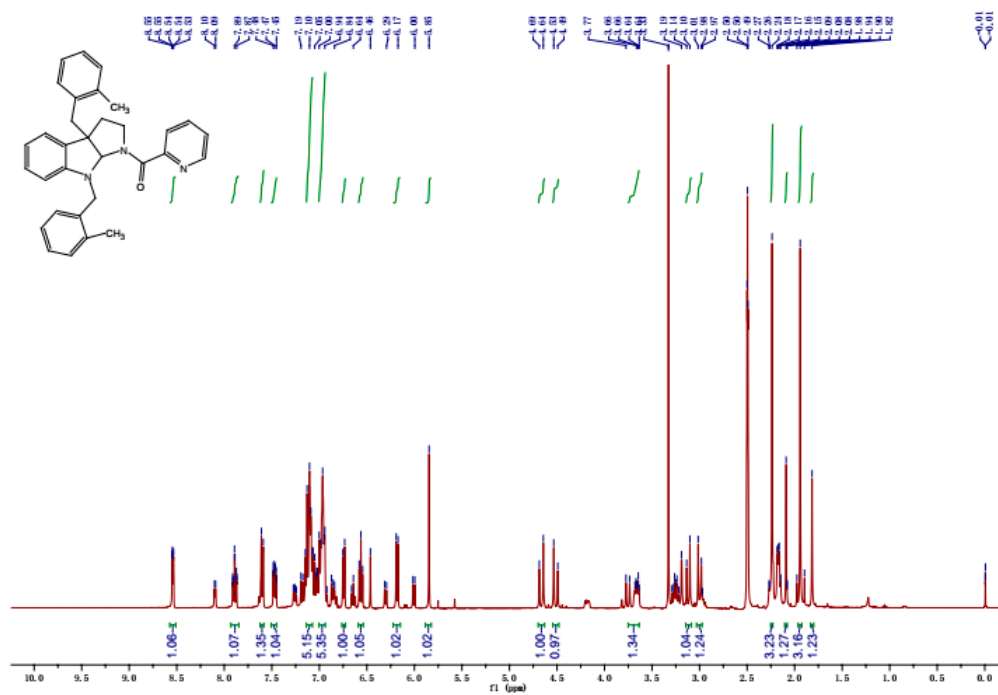


Figure S23. ^1H -NMR spectroscopic data for compound **a12**.

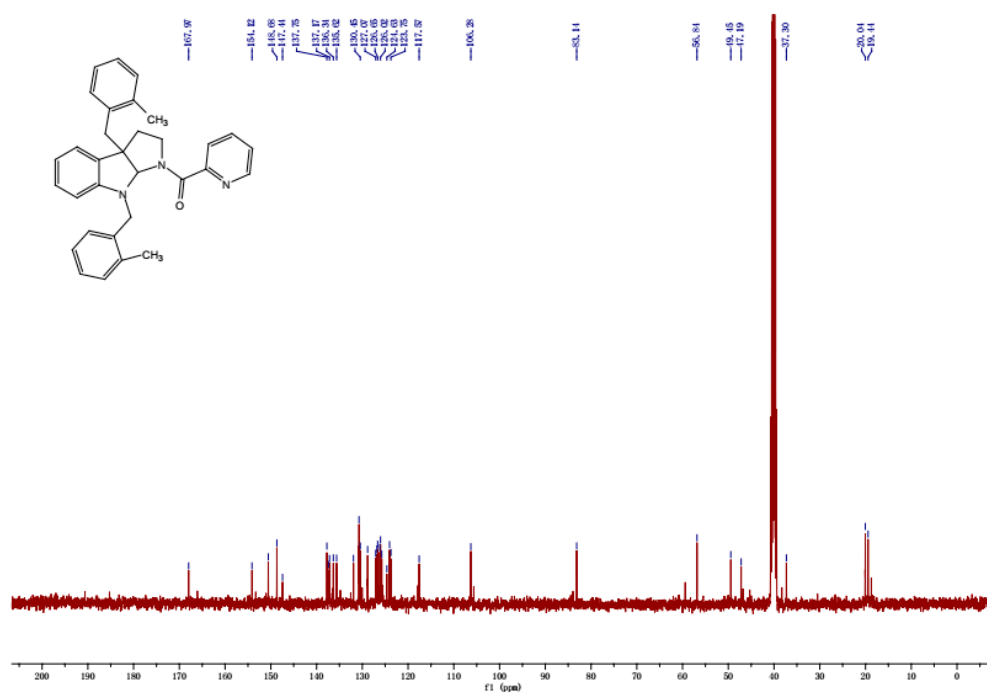


Figure S24. ^{13}C -NMR spectroscopic data for compound **a12**.

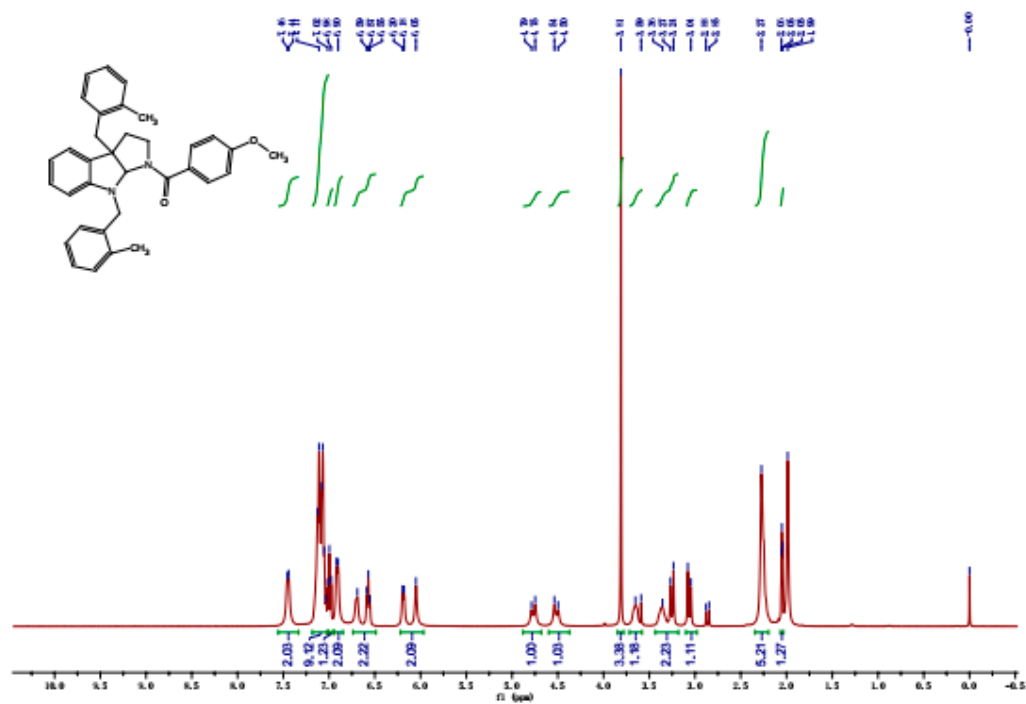


Figure S27. ¹H-NMR spectroscopic data for compound **a14**.

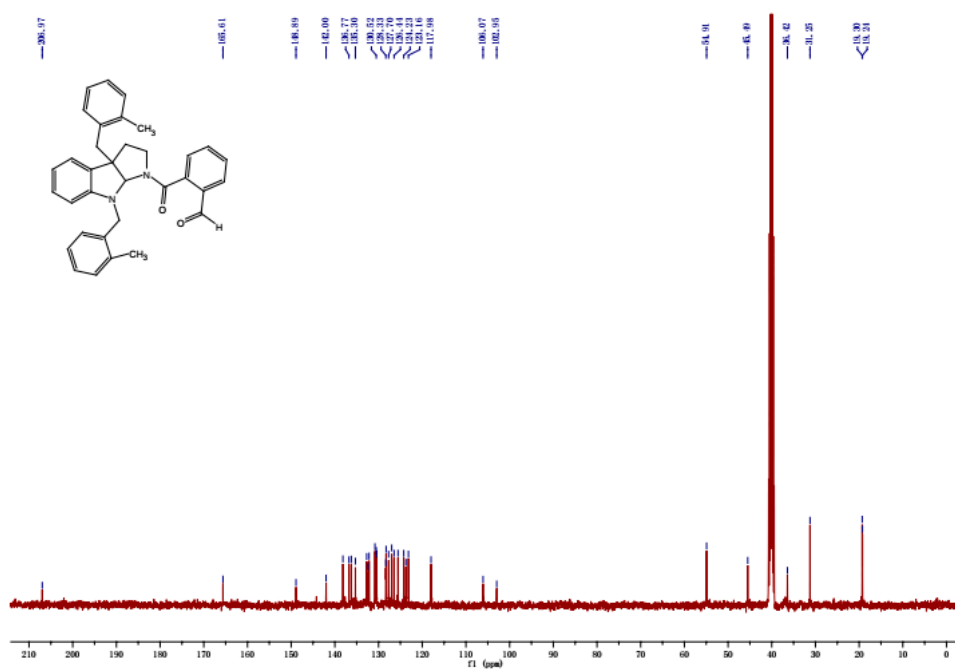


Figure S28. ¹³C-NMR spectroscopic data for compound **a14**.

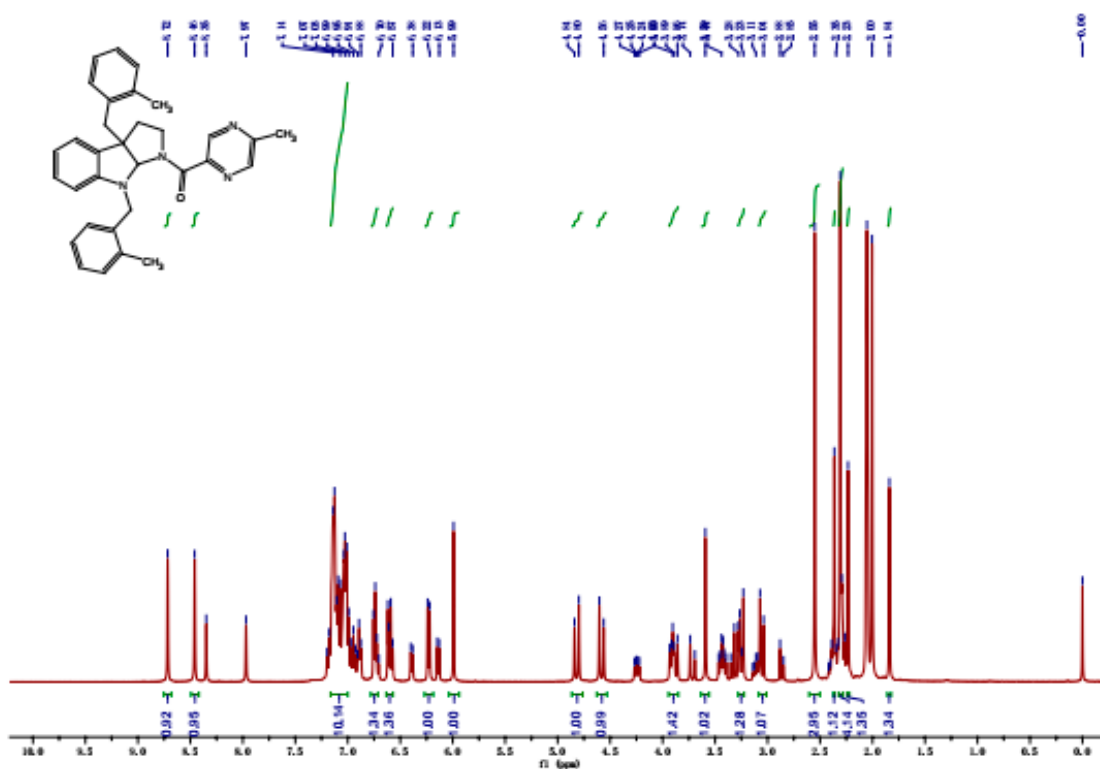
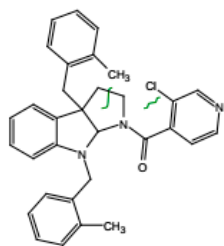


Figure S30. ^{13}C -NMR spectroscopic data for compound **a15**

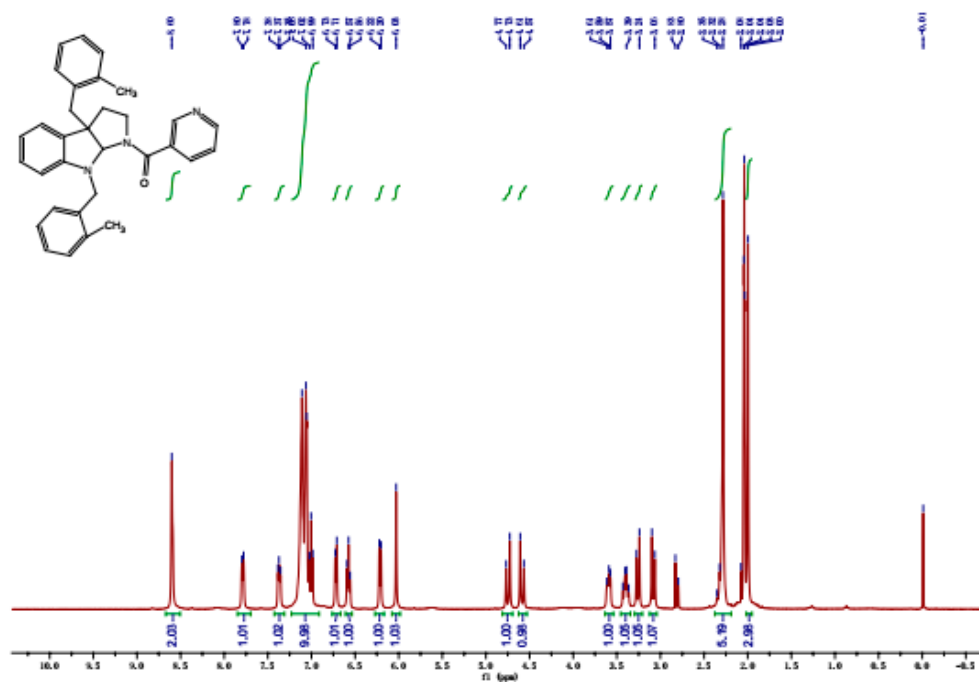


Figure S31. ^1H -NMR spectroscopic data for compound **a16**.

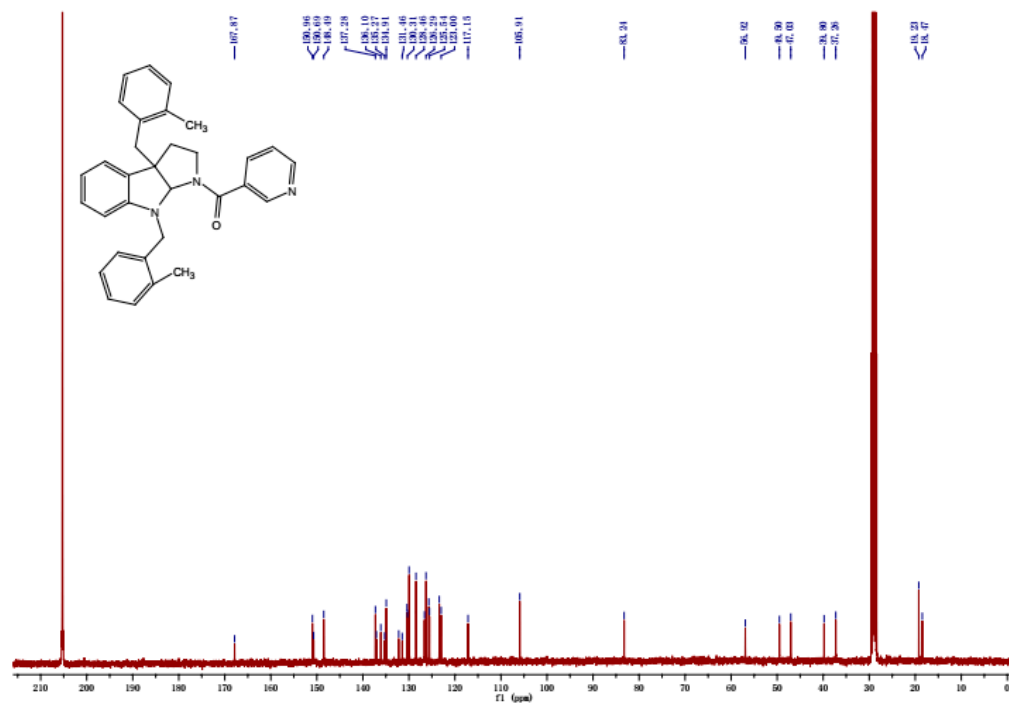


Figure S32. ^{13}C -NMR spectroscopic data for compound **a16**.

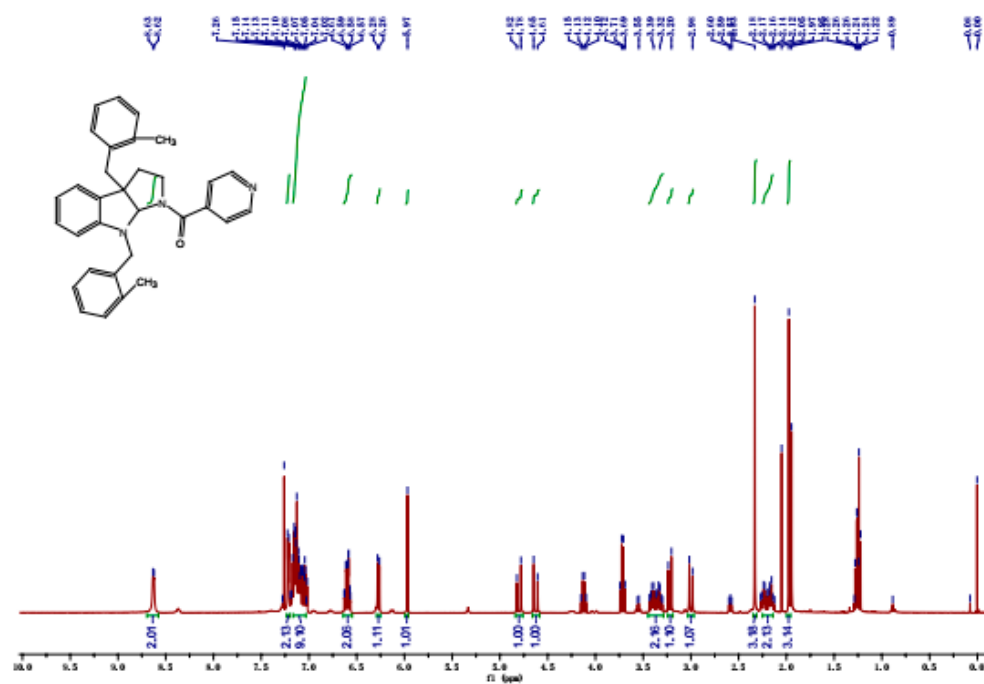
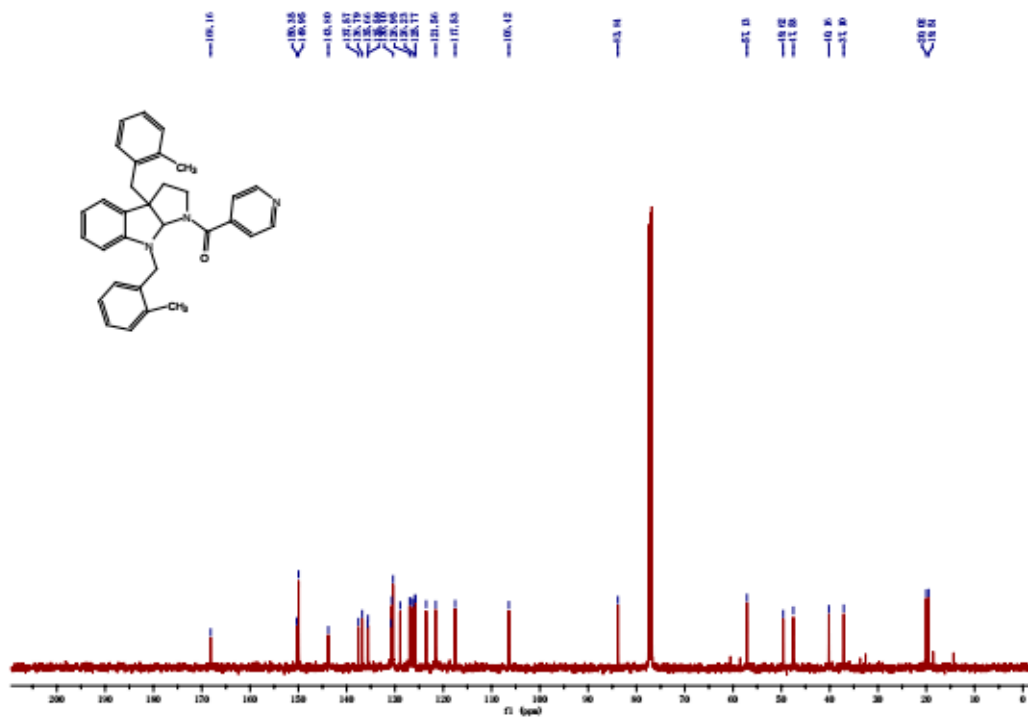


Figure S33. ^1H -NMR spectroscopic data for compound **a17**.



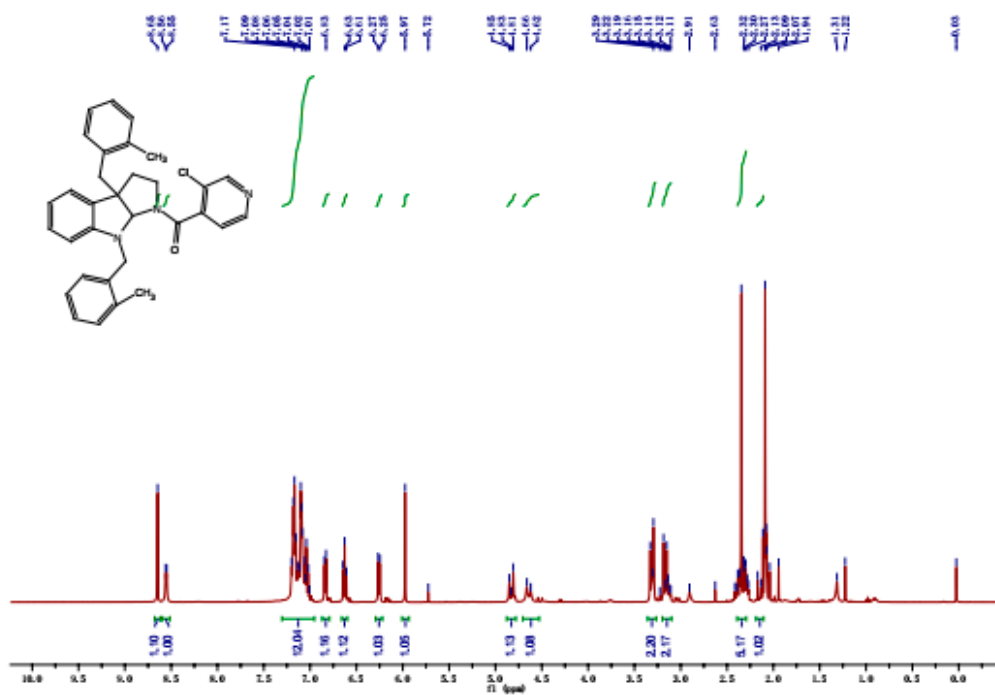


Figure S35. ^1H -NMR spectroscopic data for compound **a18**.

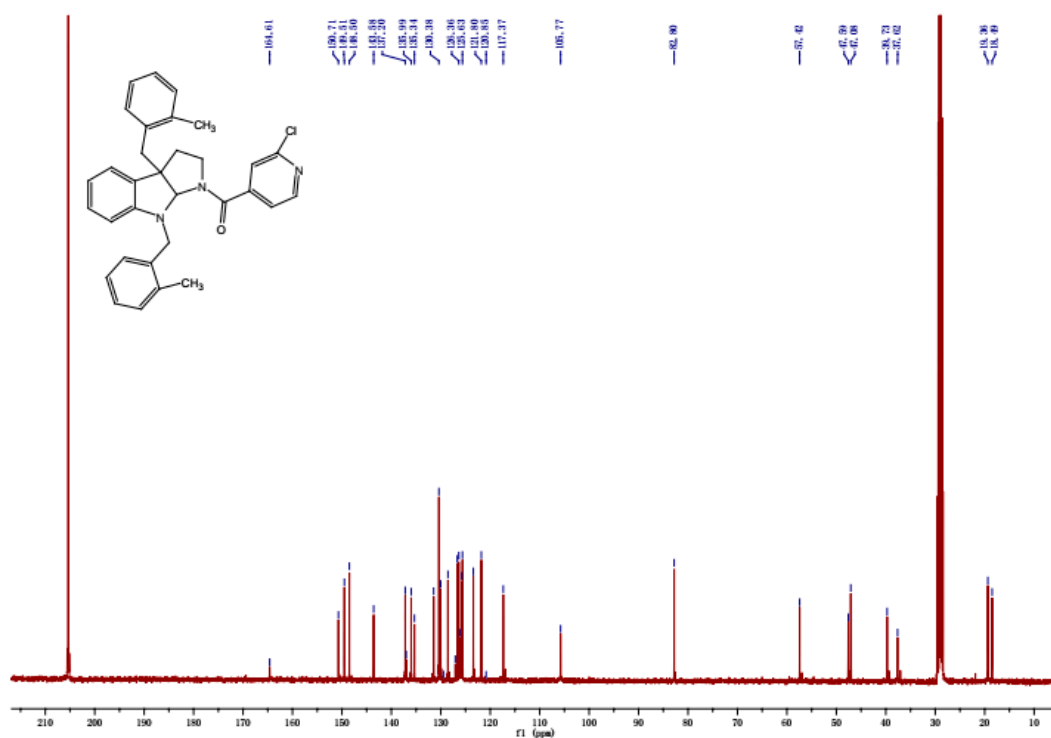


Figure S36. ^{13}C -NMR spectroscopic data for compound **a18**.

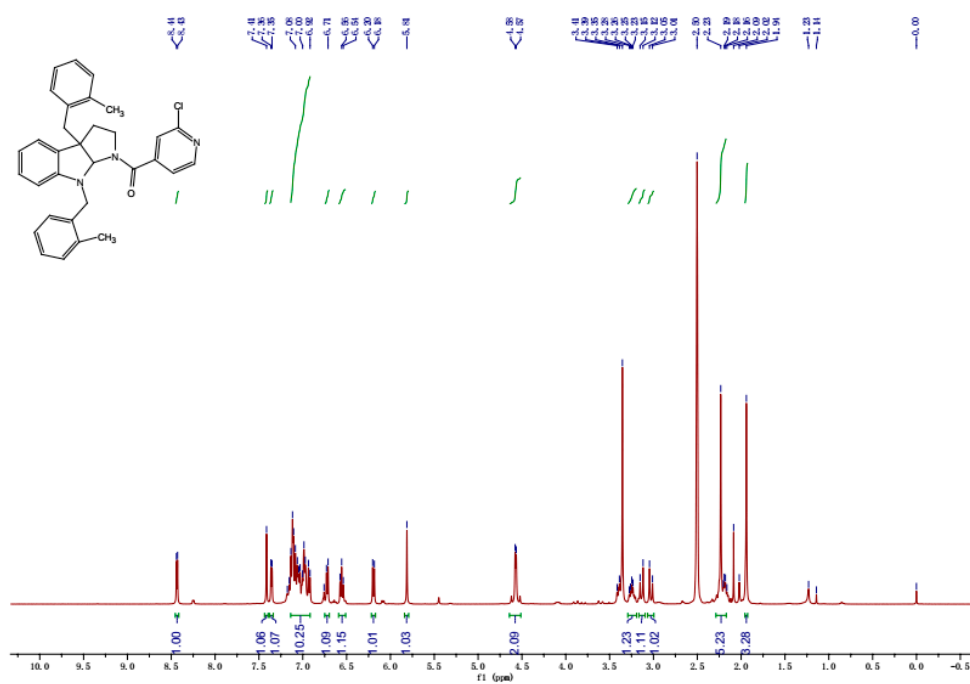


Figure S37. ^1H -NMR spectroscopic data for compound **a19**.

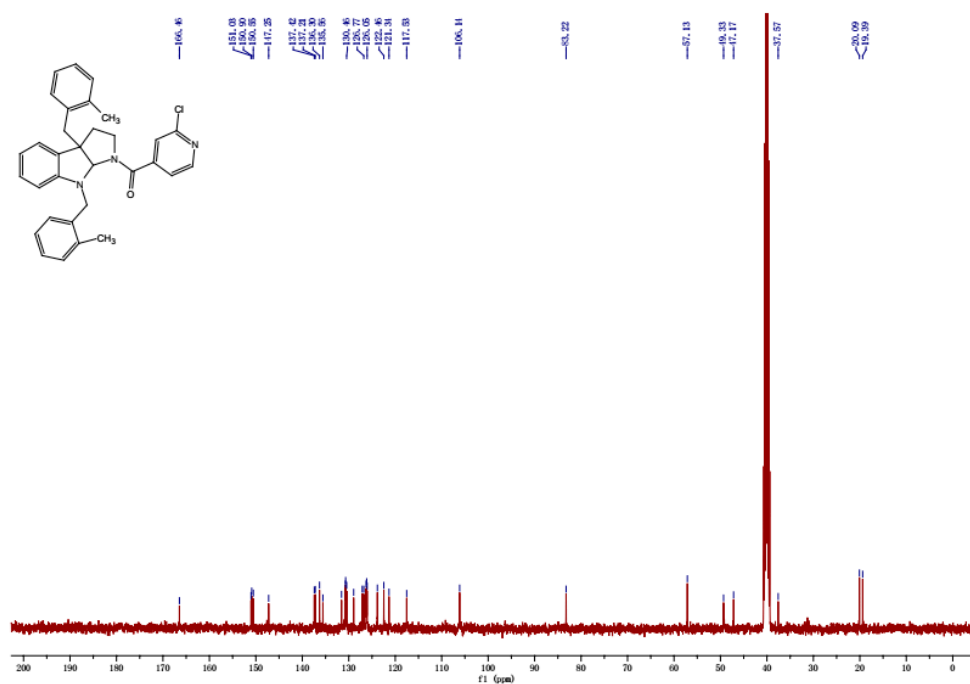


Figure S38. ^{13}C -NMR spectroscopic data for compound **a19**.

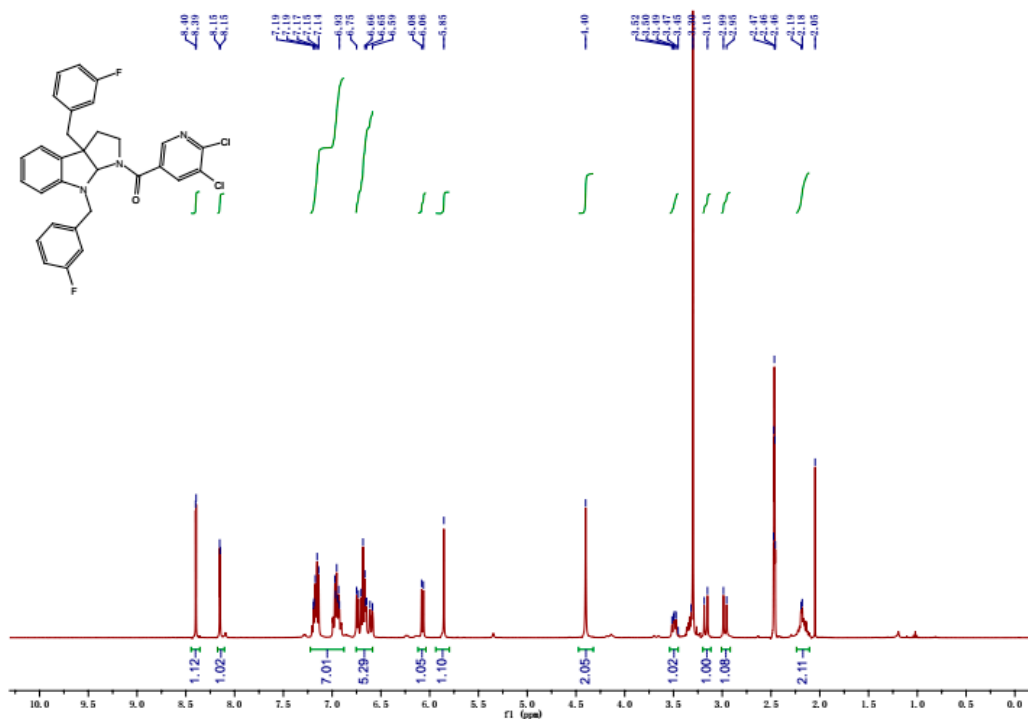


Figure S41. ^1H -NMR spectroscopic data for compound **b1**.

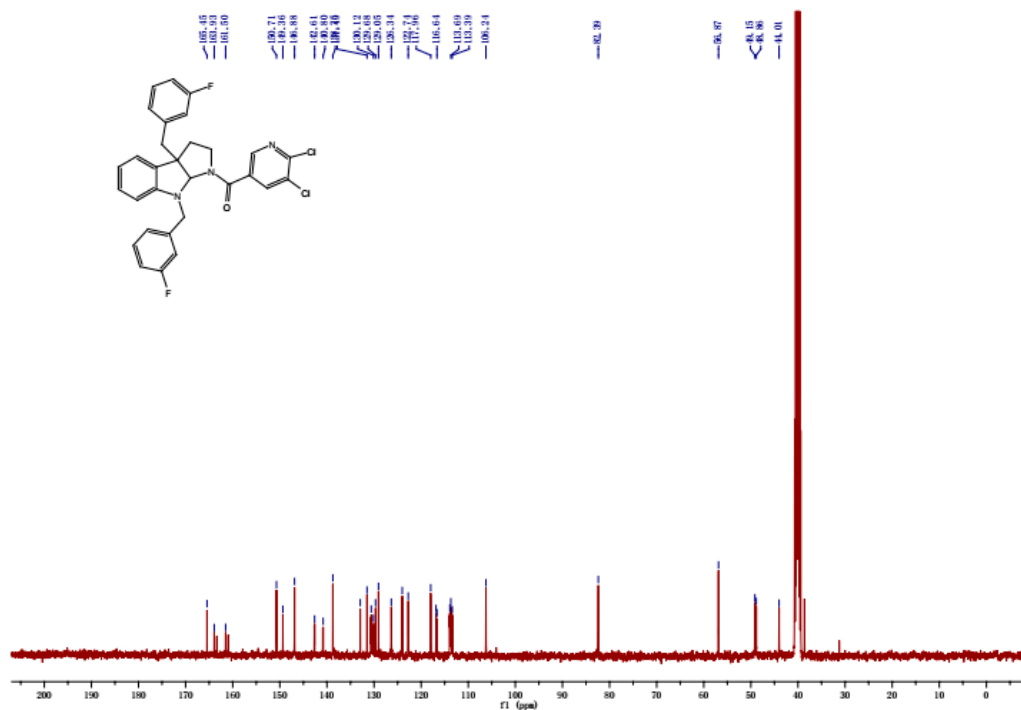


Figure S42. ^{13}C -NMR spectroscopic data for compound **b1**.

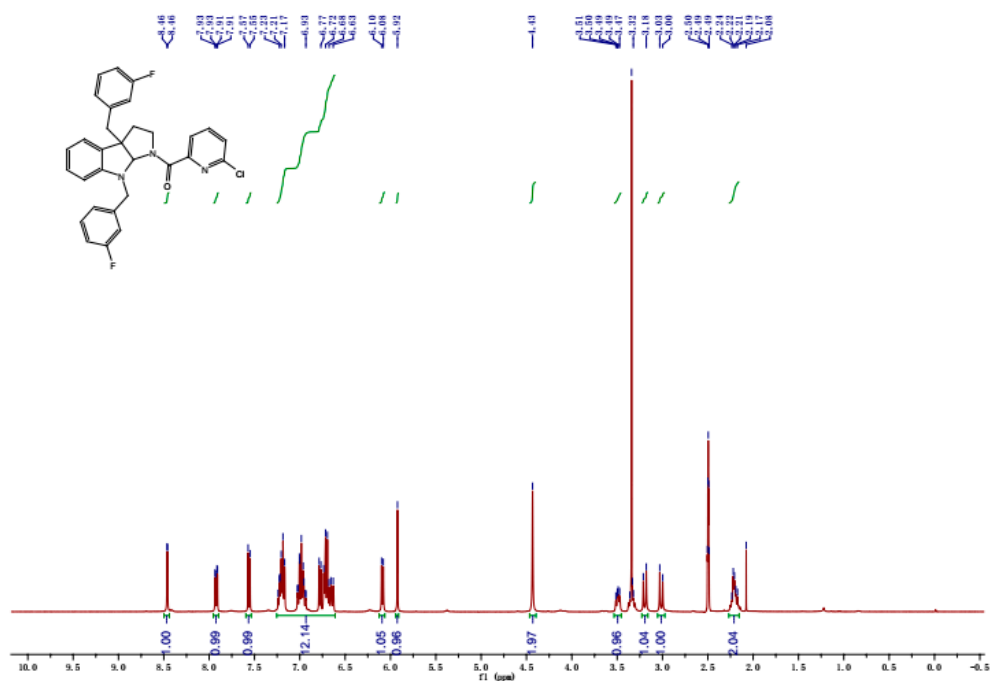


Figure S43. ^1H -NMR spectroscopic data for compound **b2**.

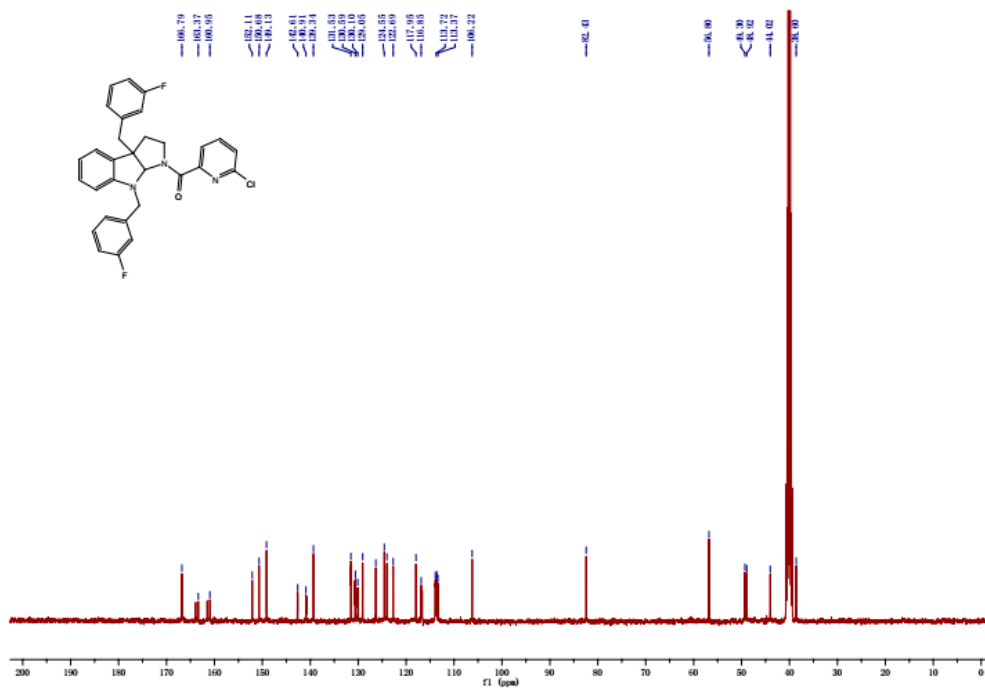


Figure S44. ^{13}C -NMR spectroscopic data for compound **b2**.

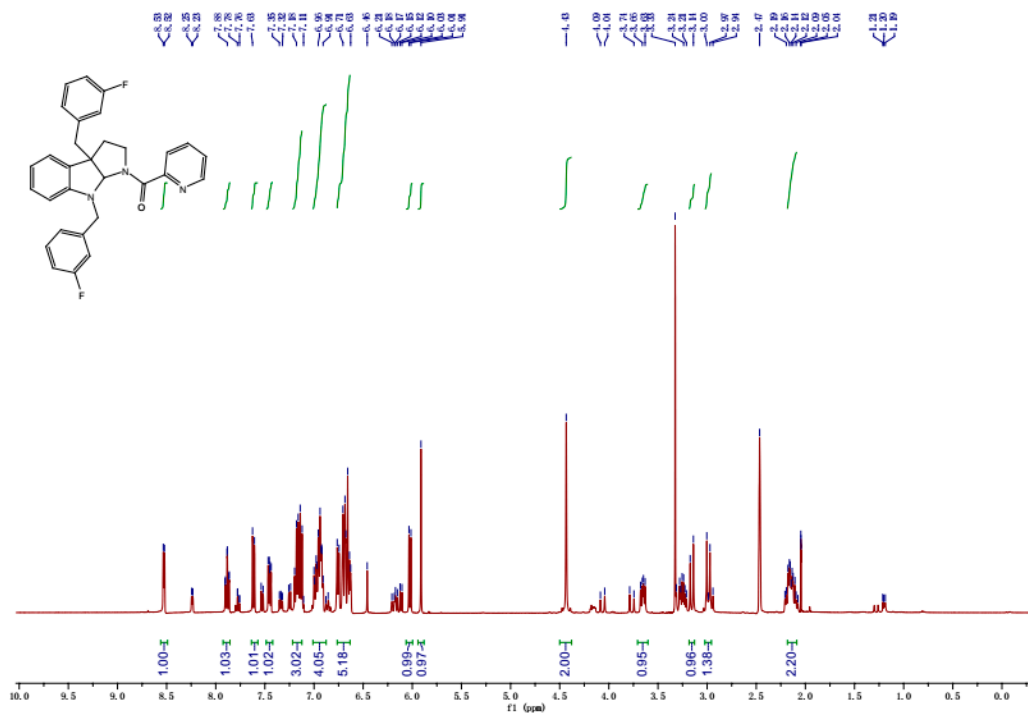


Figure S45. ¹H-NMR spectroscopic data for compound **b3**.

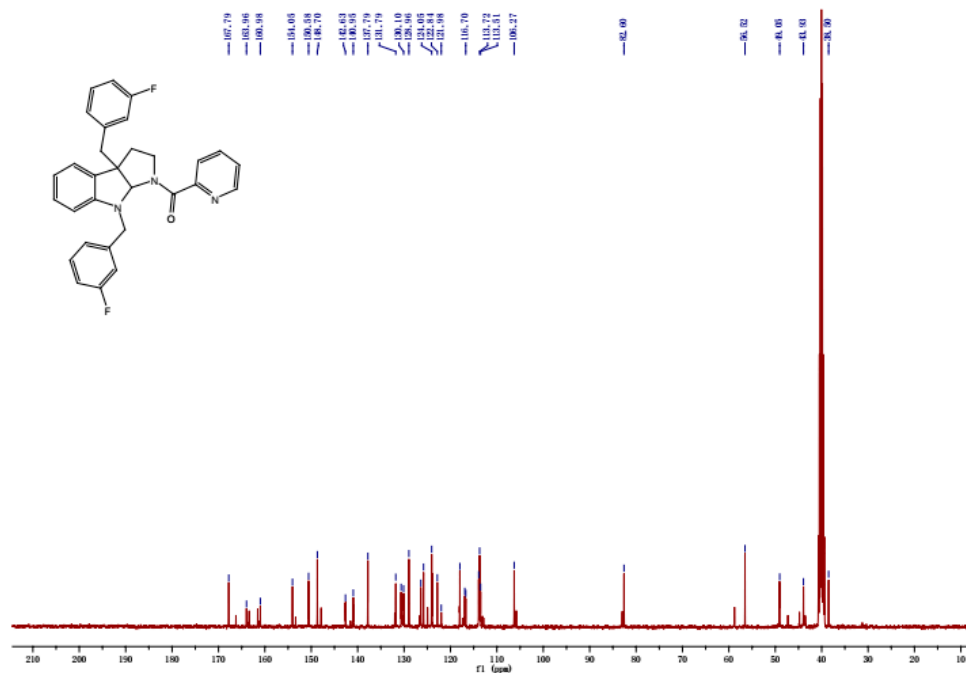


Figure S46. ¹³C-NMR spectroscopic data for compound **b3**.

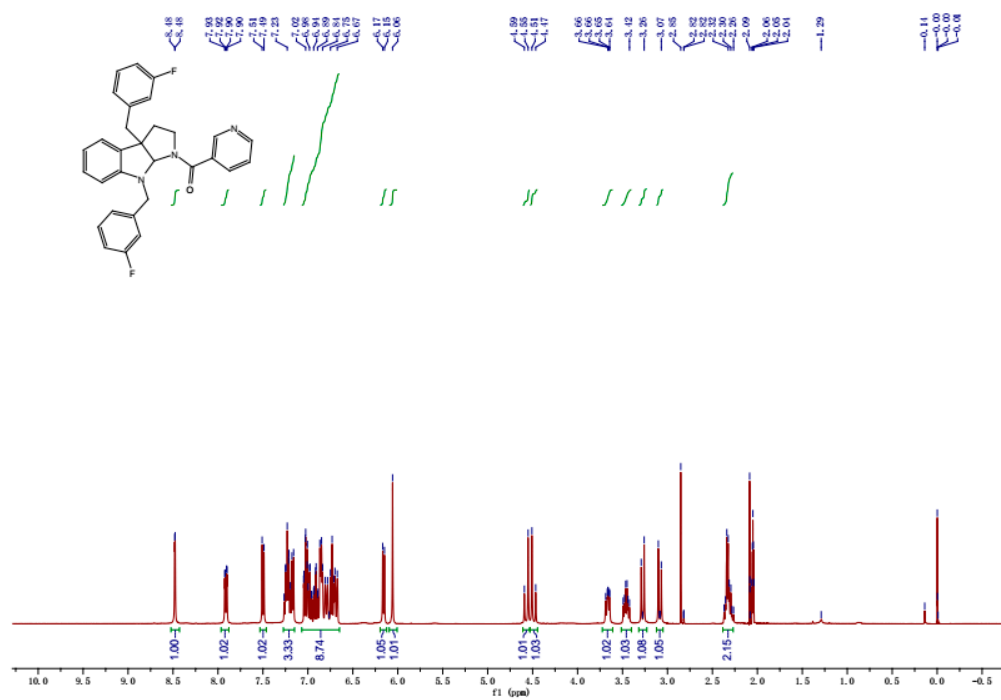


Figure S47. $^1\text{H-NMR}$ spectroscopic data for compound **b4**.

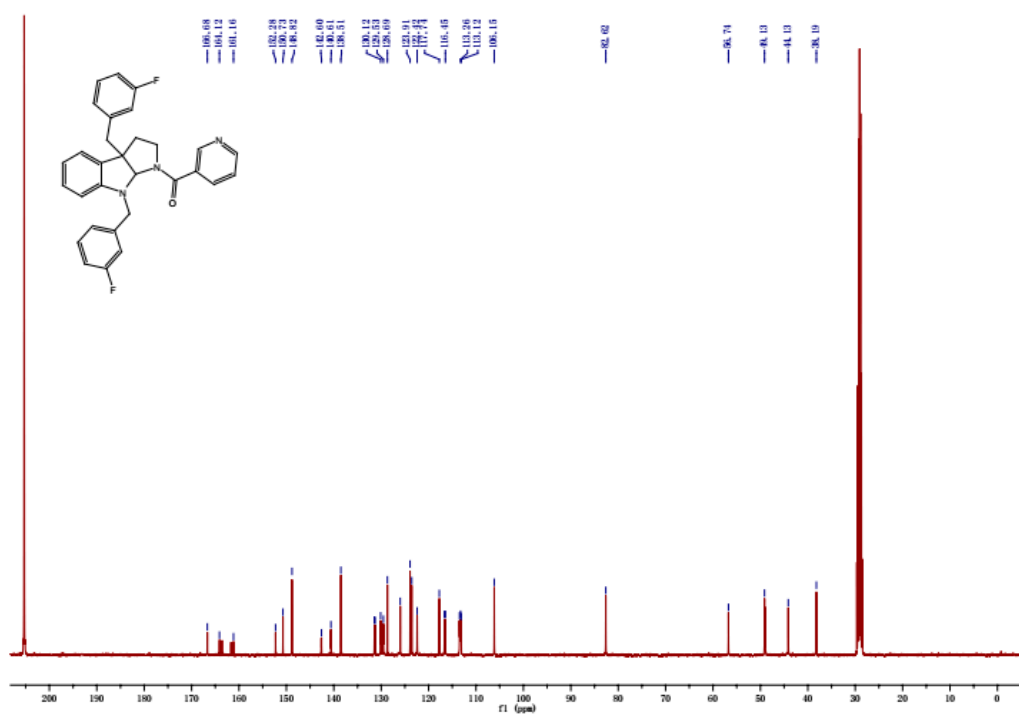


Figure S48. $^{13}\text{C-NMR}$ spectroscopic data for compound **b4**.

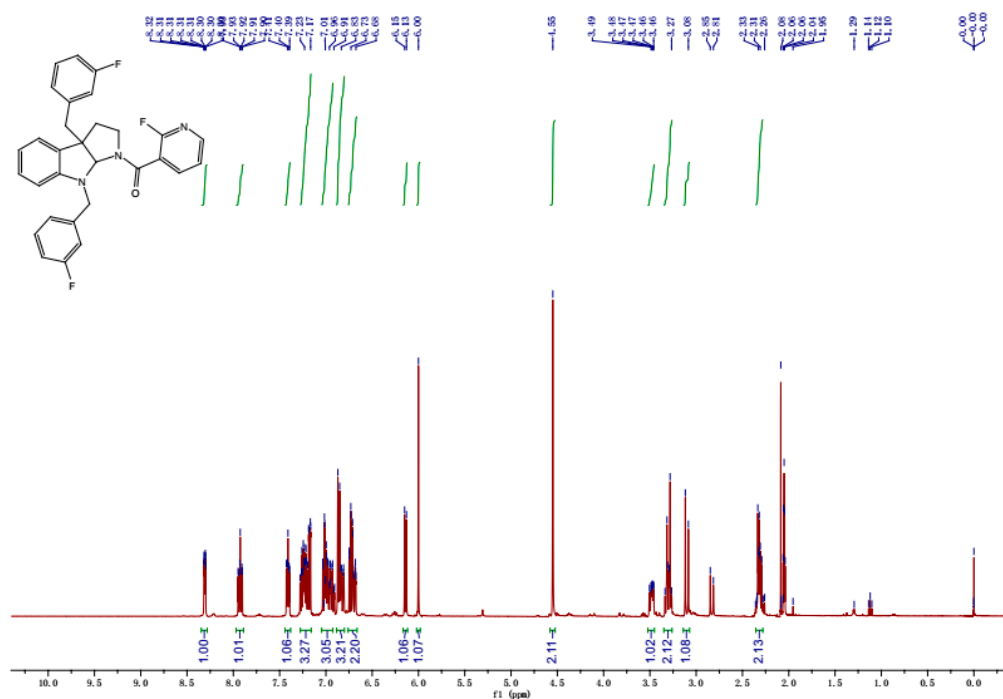


Figure S49. ^1H -NMR spectroscopic data for compound **b5**.

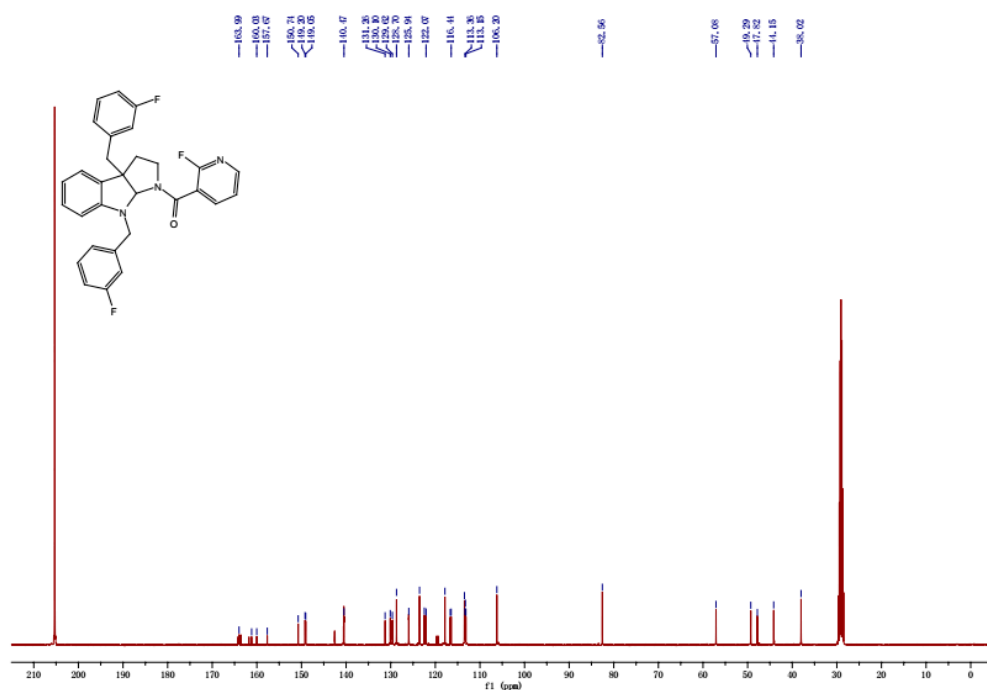


Figure S50. ^{13}C -NMR spectroscopic data for compound **b5**.

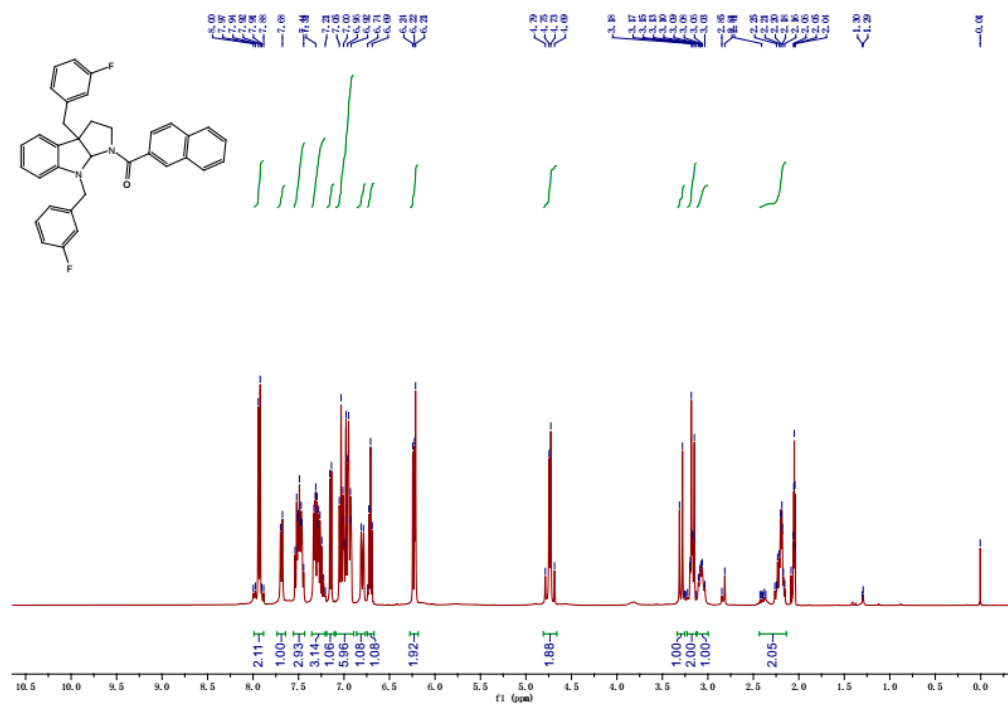


Figure S51. ^1H -NMR spectroscopic data for compound **b6**.

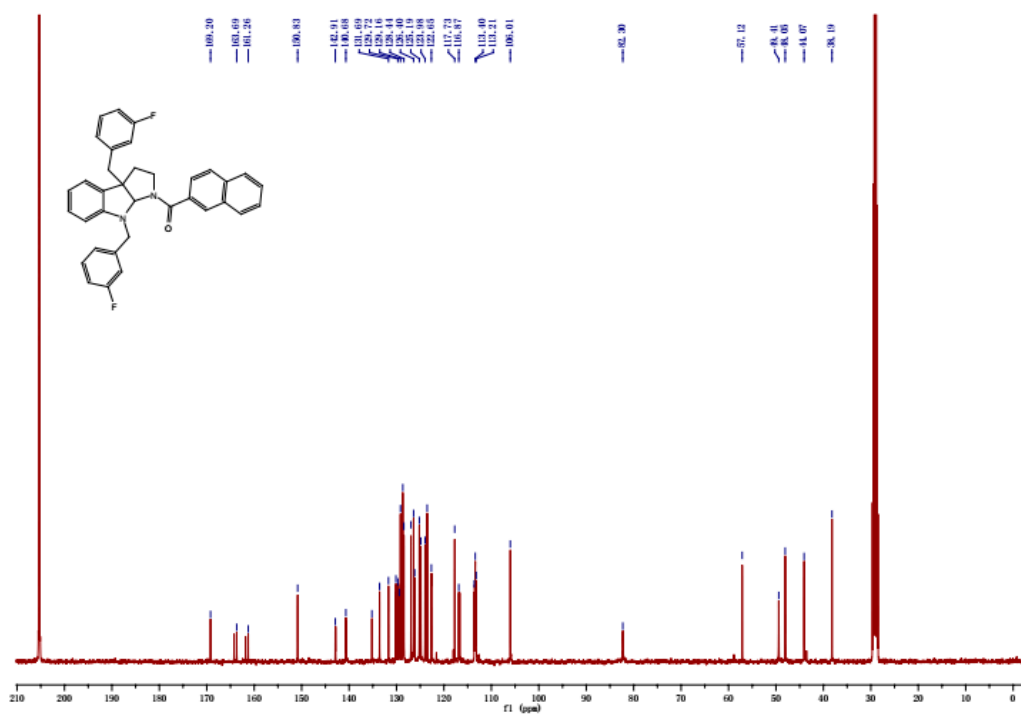


Figure S52. ^{13}C -NMR spectroscopic data for compound **b6**.

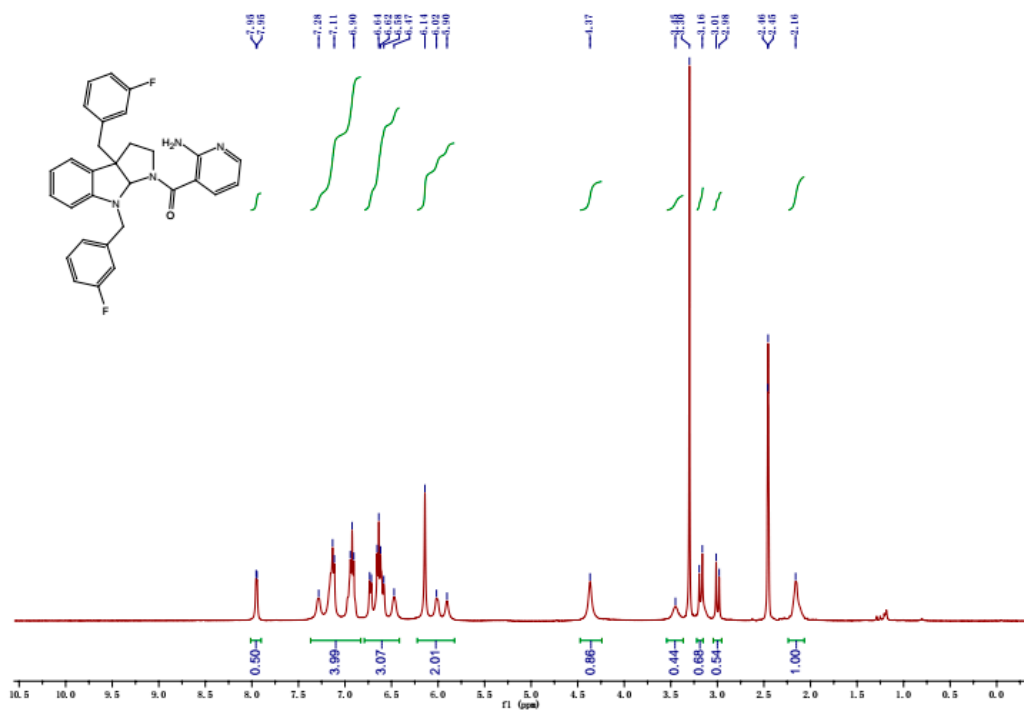


Figure S53. ¹H-NMR spectroscopic data for compound **b7**.

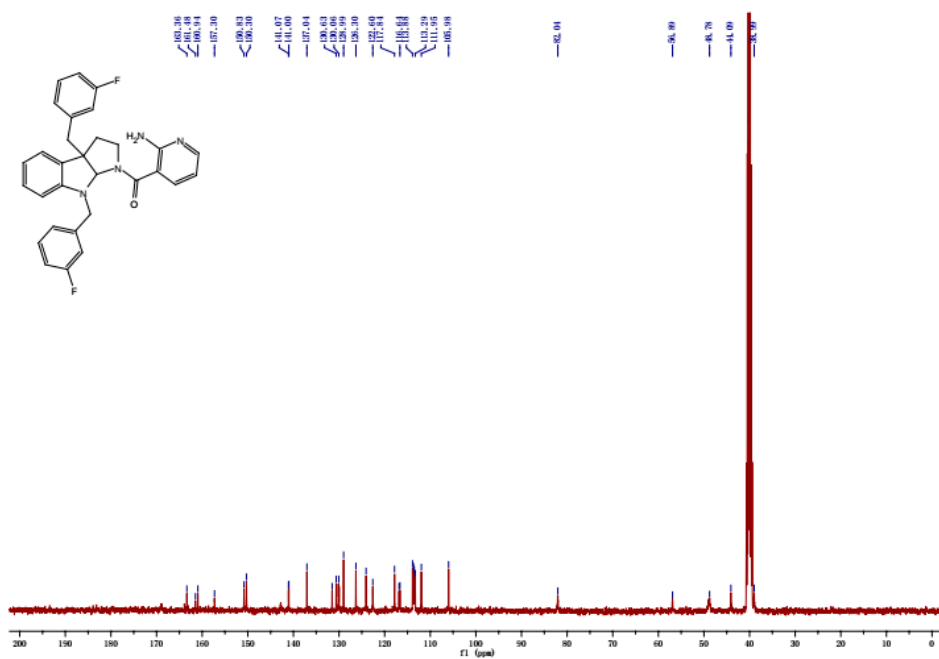


Figure S54. ¹³C-NMR spectroscopic data for compound **b7**

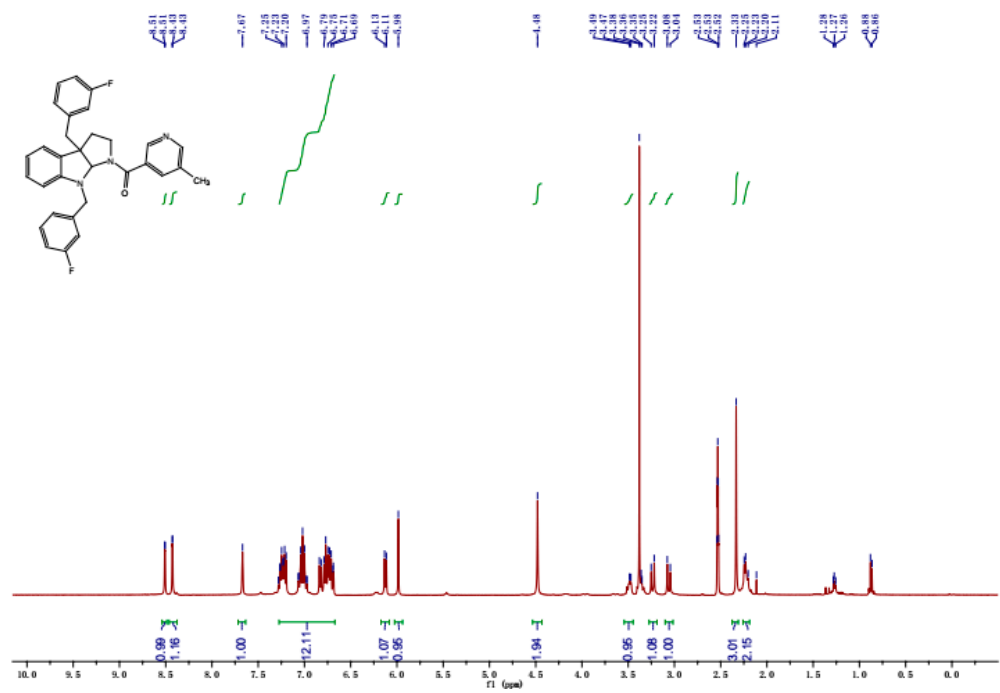


Figure S55. ¹H-NMR spectroscopic data for compound **b8**.

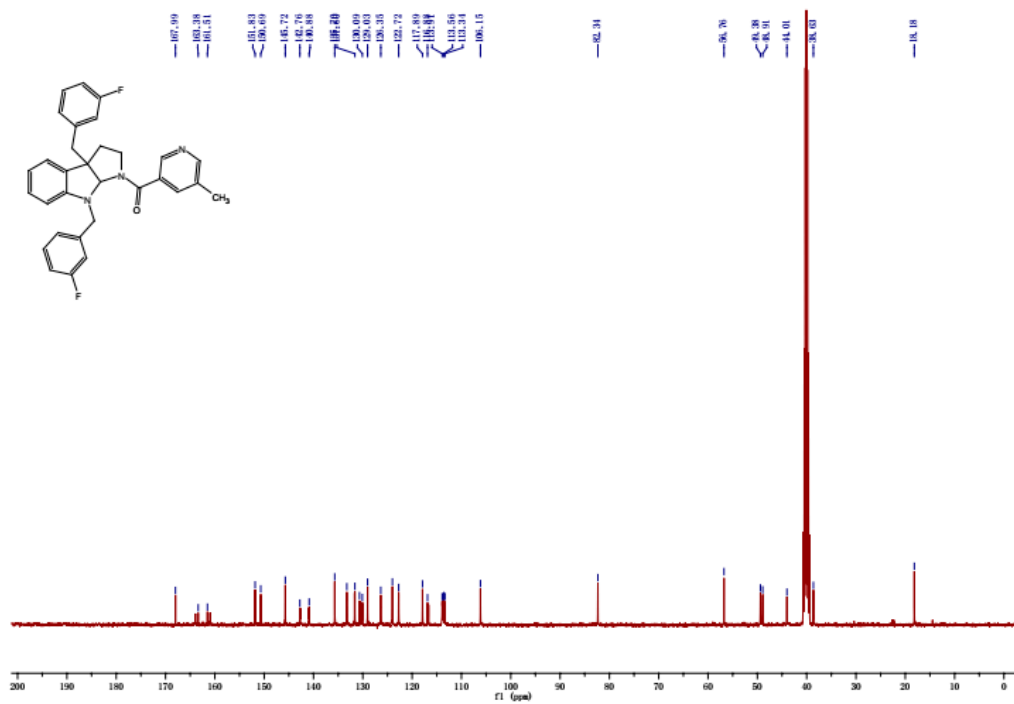


Figure S56. ¹³C-NMR spectroscopic data for compound **b8**

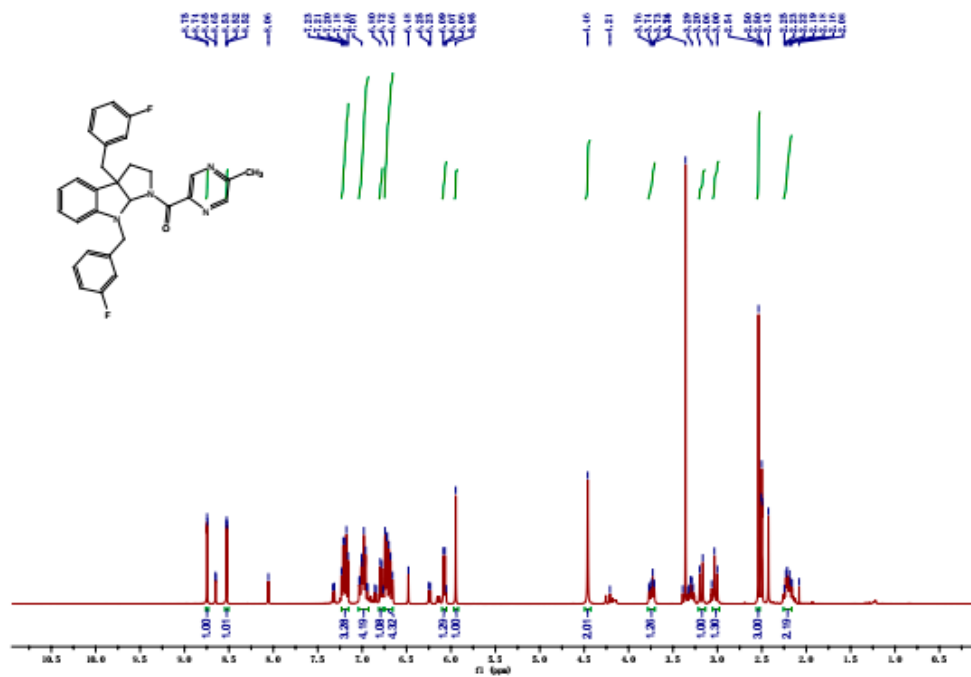


Figure S57. ^1H -NMR spectroscopic data for compound **b9**.

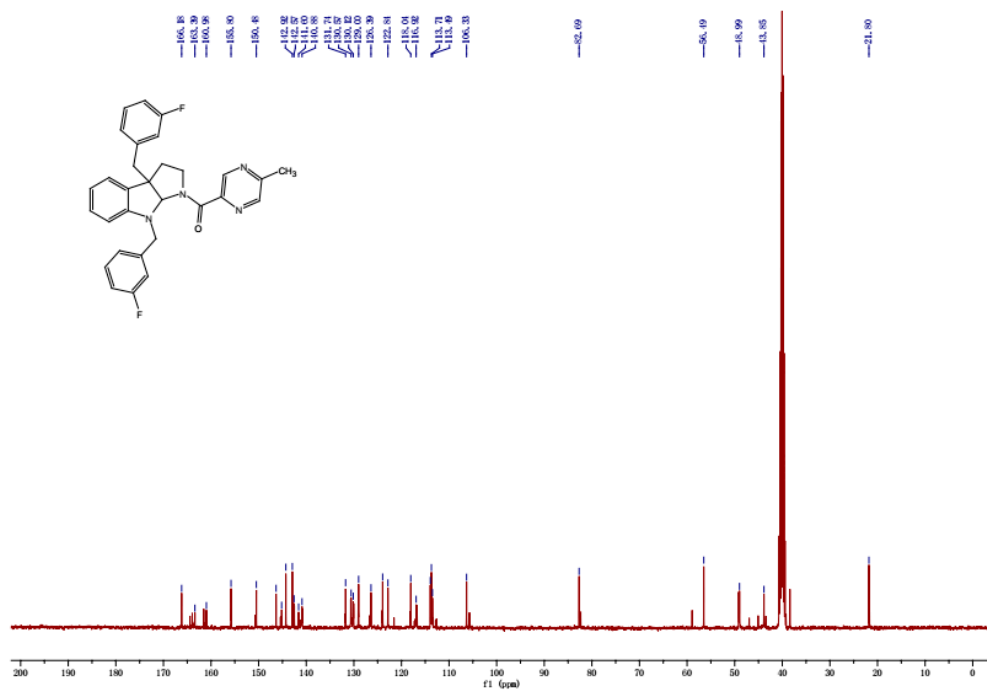


Figure S58. ^{13}C -NMR spectroscopic data for compound **b9**

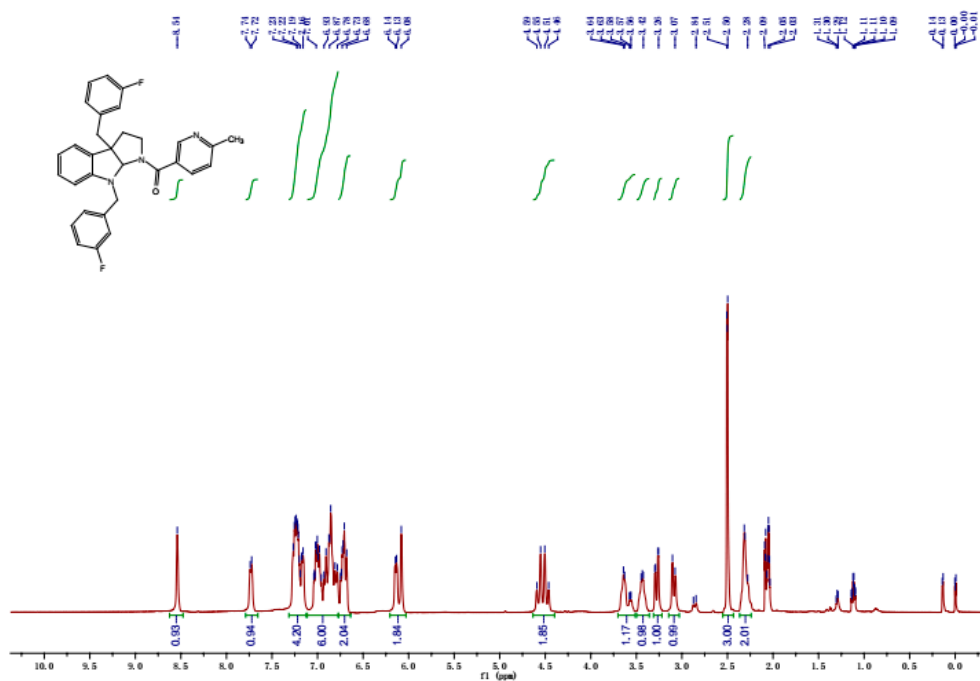


Figure S59. ^1H -NMR spectroscopic data for compound **b10**.

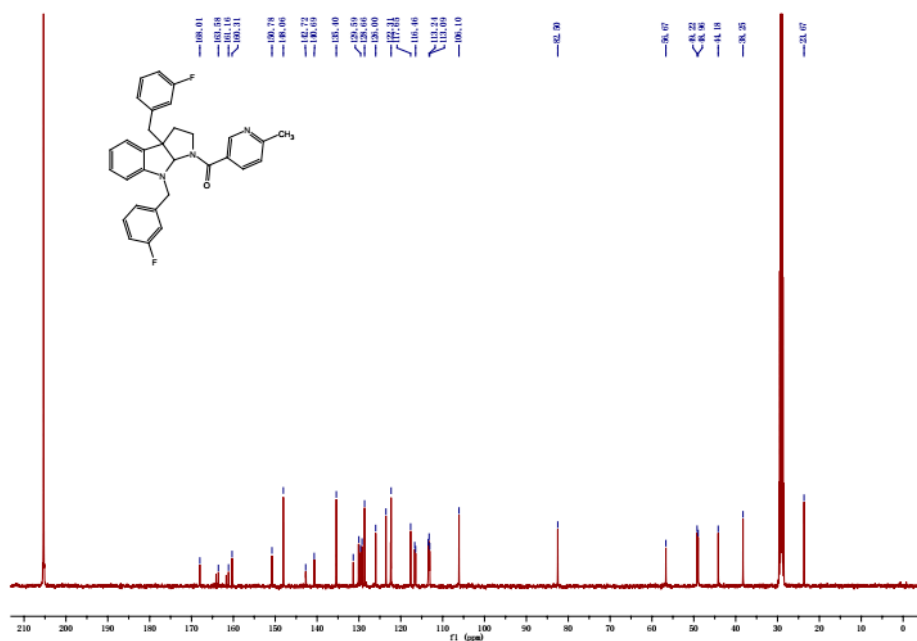


Figure S60. ^{13}C -NMR spectroscopic data for compound **b10**

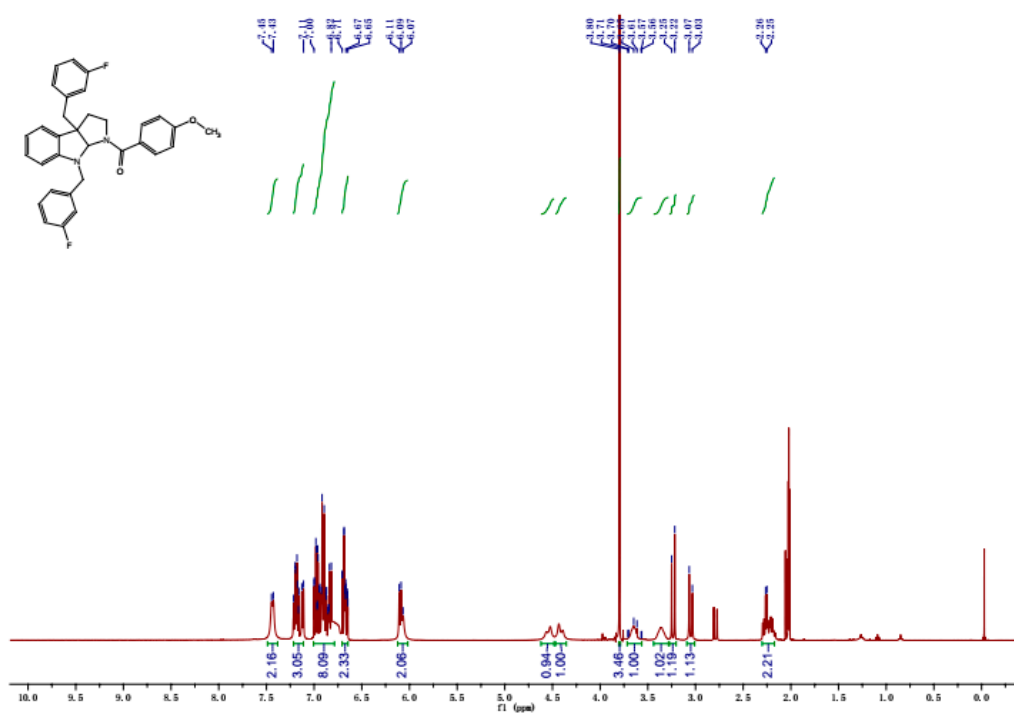


Figure S61. ^1H -NMR spectroscopic data for compound **b11**.

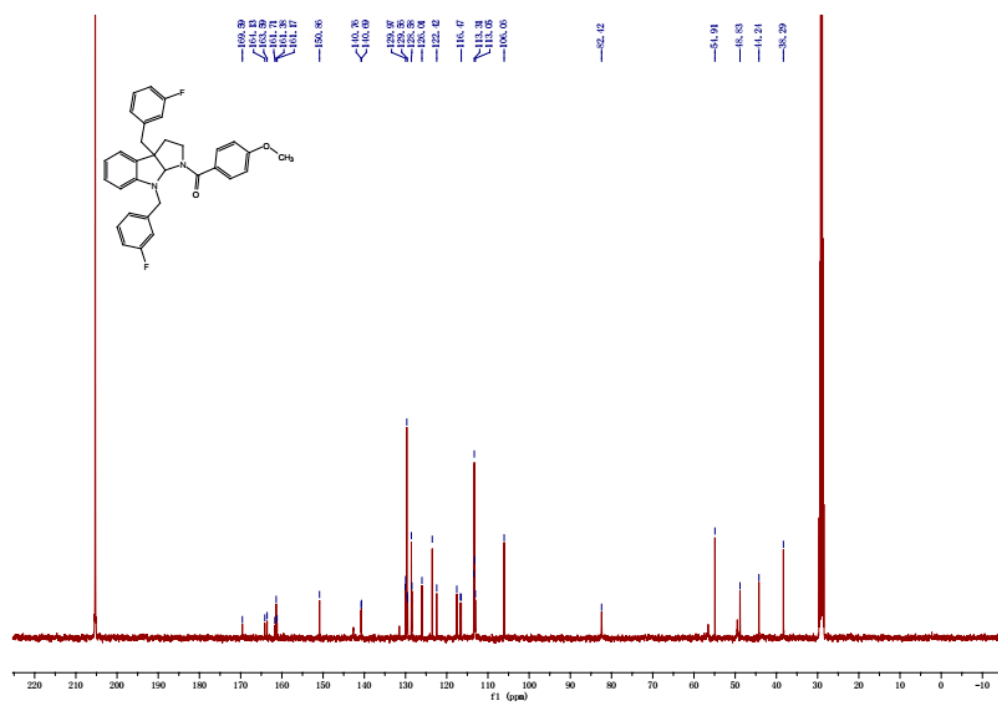


Figure S62. ^{13}C -NMR spectroscopic data for compound **b11**

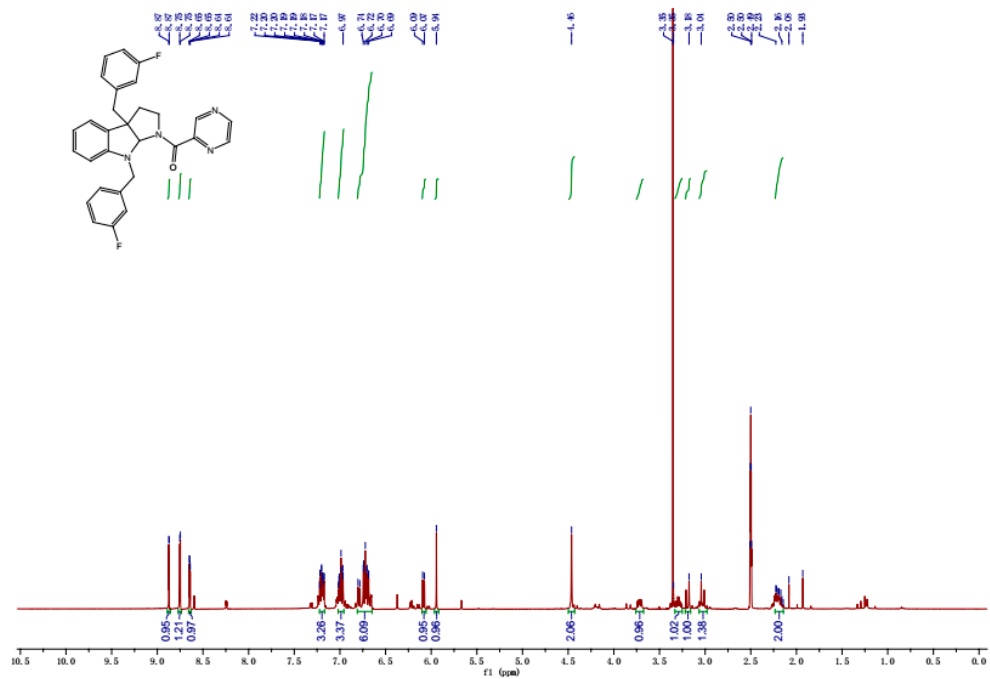


Figure S63. ^1H -NMR spectroscopic data for compound **b12**.

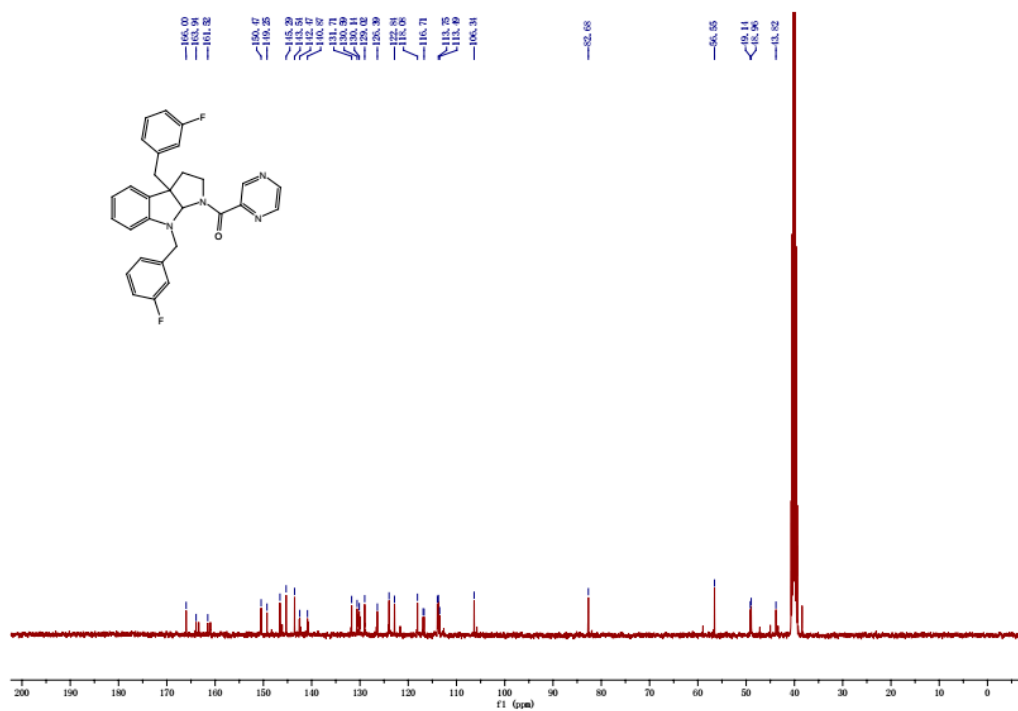


Figure S64. ^{13}C -NMR spectroscopic data for compound **b12**.

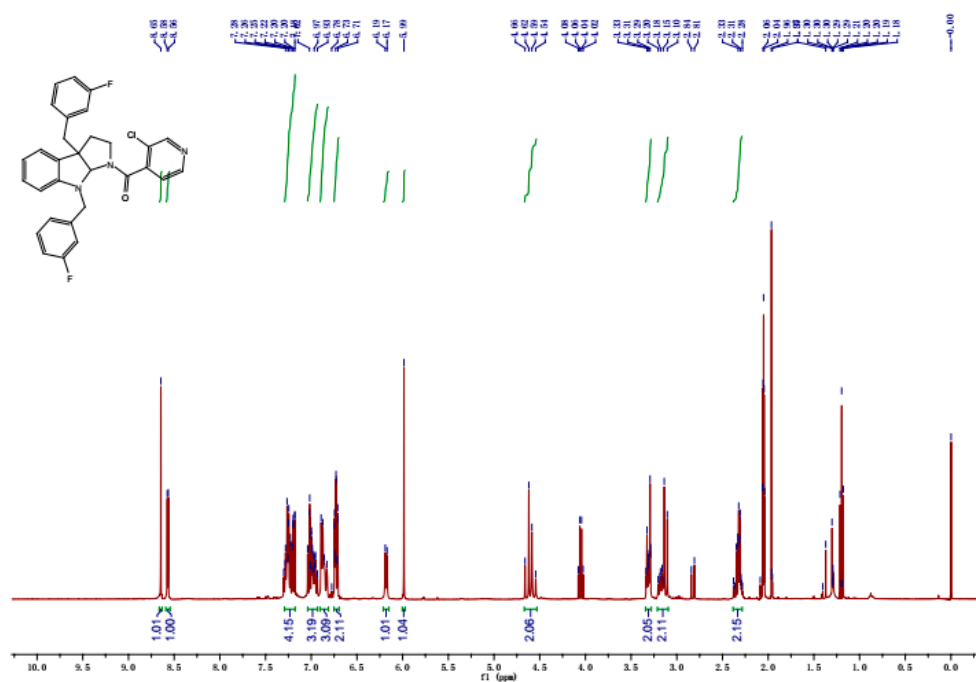


Figure S65. ^1H -NMR spectroscopic data for compound **b13**.

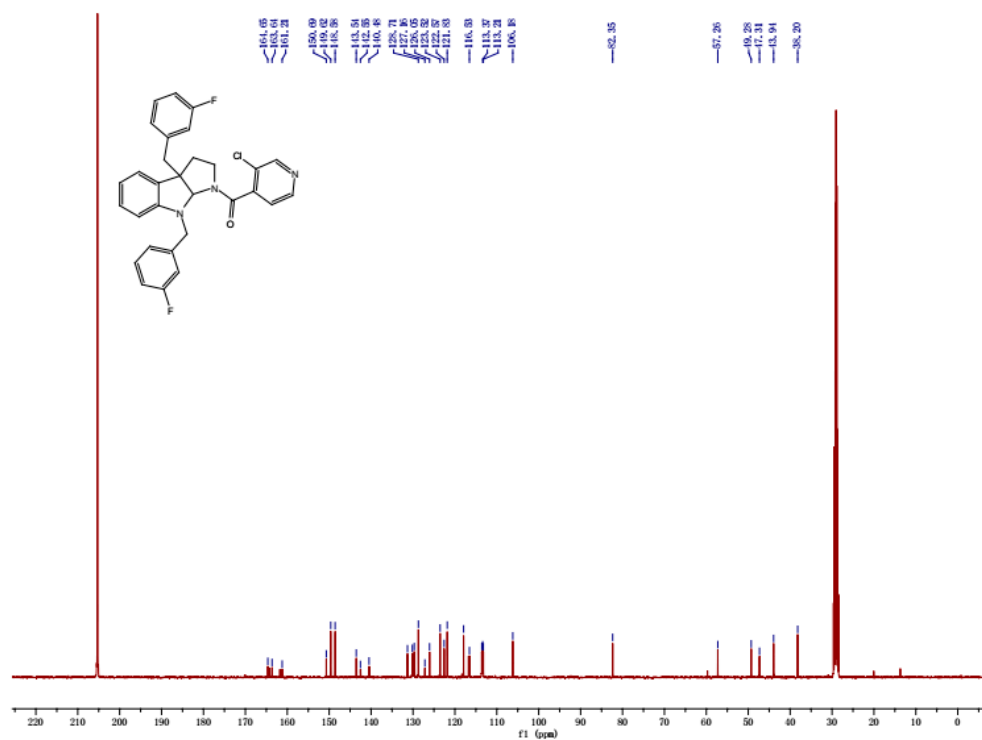


Figure S66. ^{13}C -NMR spectroscopic data for compound **b13**.

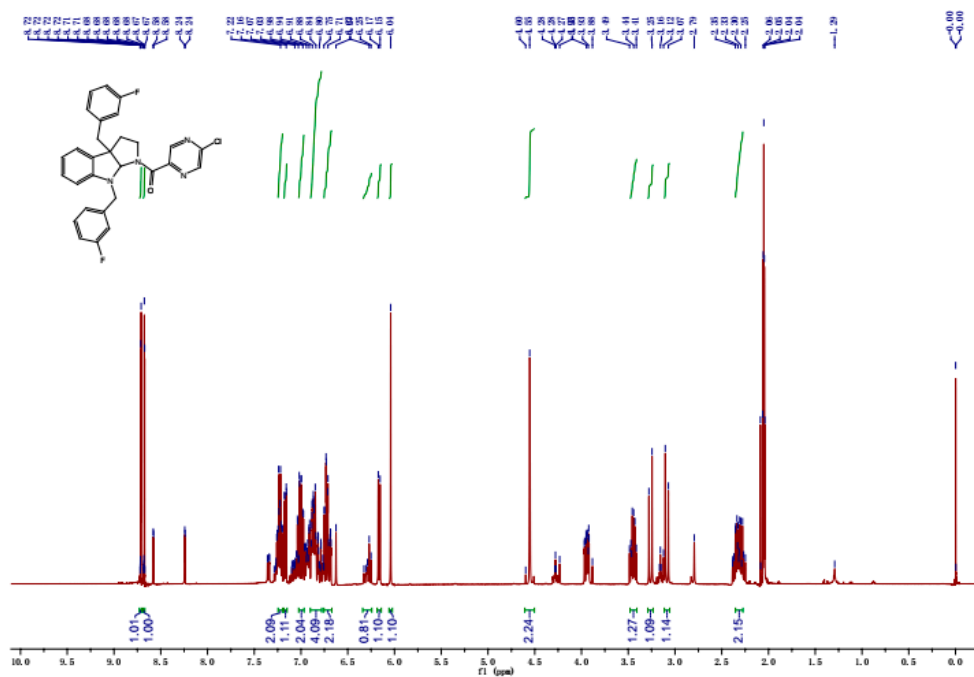


Figure S69. ¹H-NMR spectroscopic data for compound **b15**.

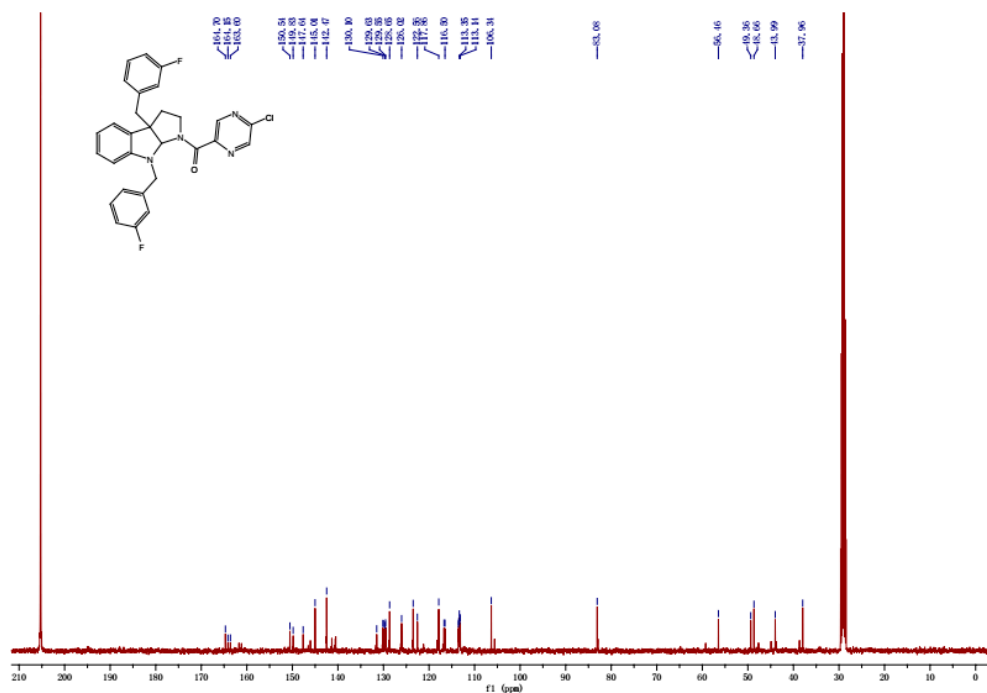


Figure S70. ¹³C-NMR spectroscopic data for compound **b15**.

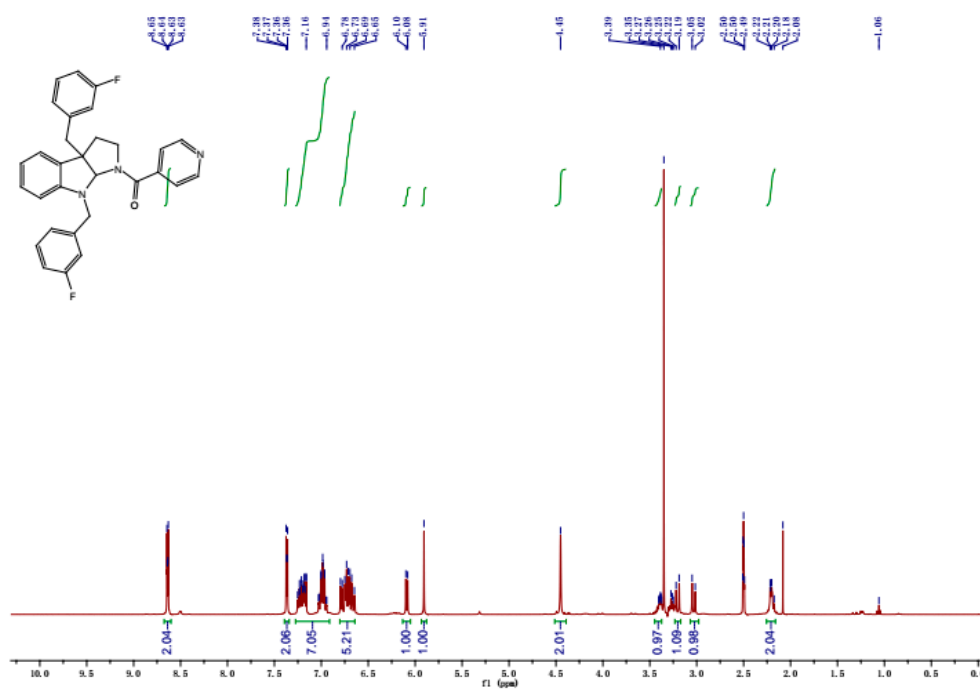


Figure S71. ¹H-NMR spectroscopic data for compound **b16**.

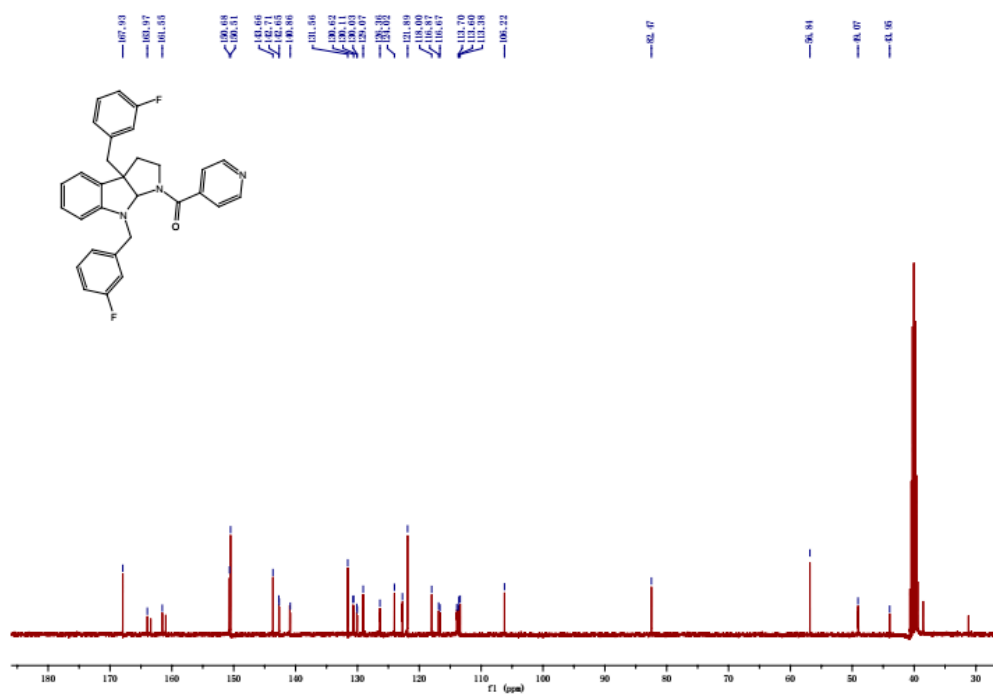


Figure S72. ¹³C-NMR spectroscopic data for compound **b16**.

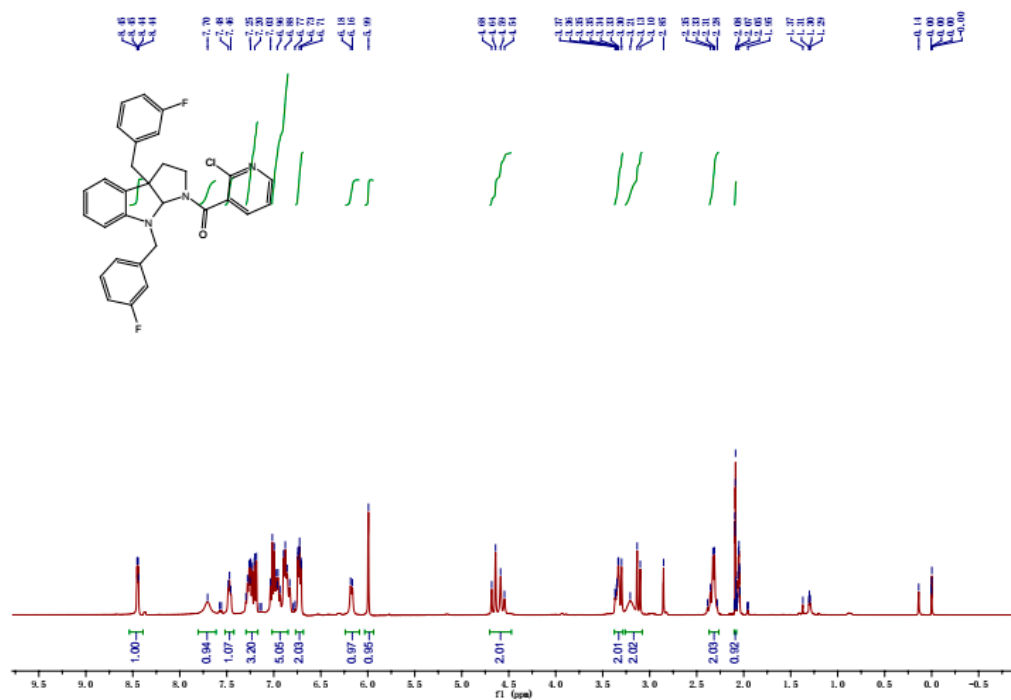


Figure S73. ¹H-NMR spectroscopic data for compound **b17**.

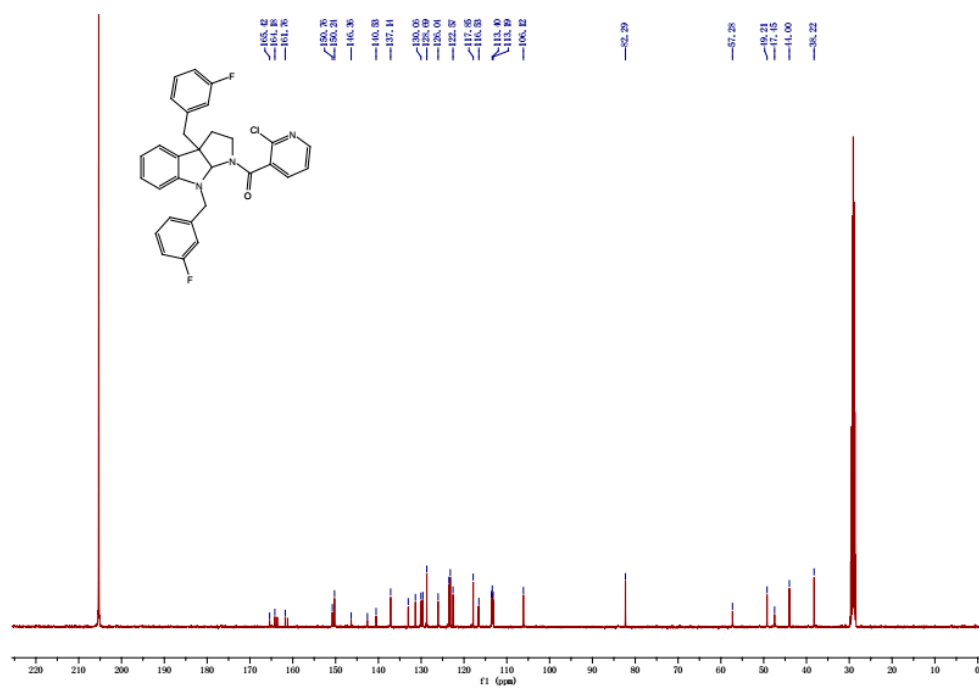


Figure S74. ¹³C-NMR spectroscopic data for compound **b17**.

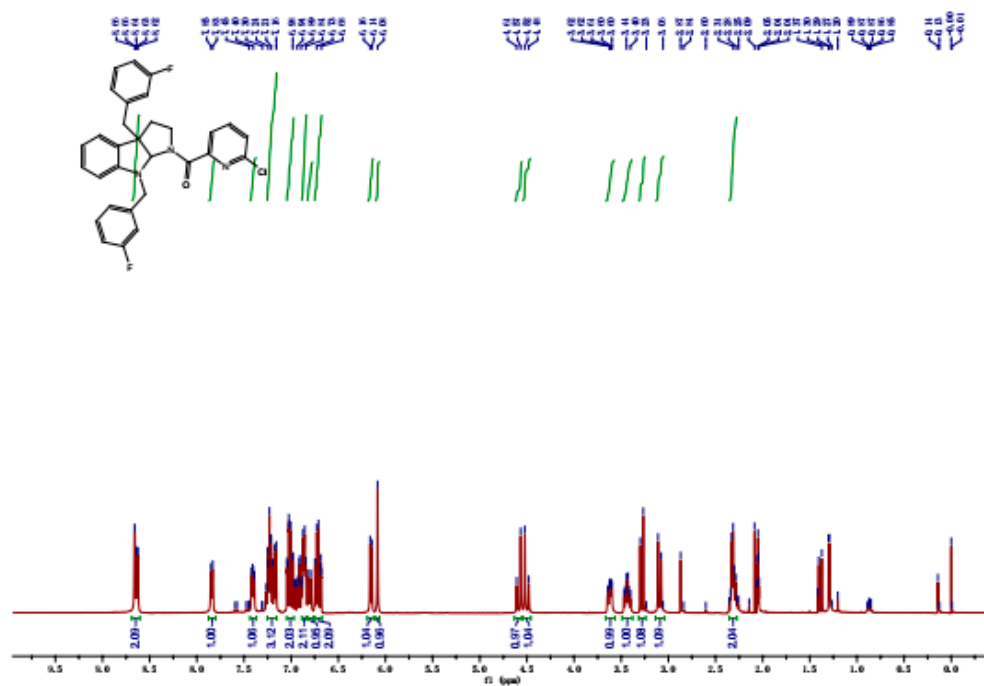


Figure S75. ^1H -NMR spectroscopic data for compound **b18**.

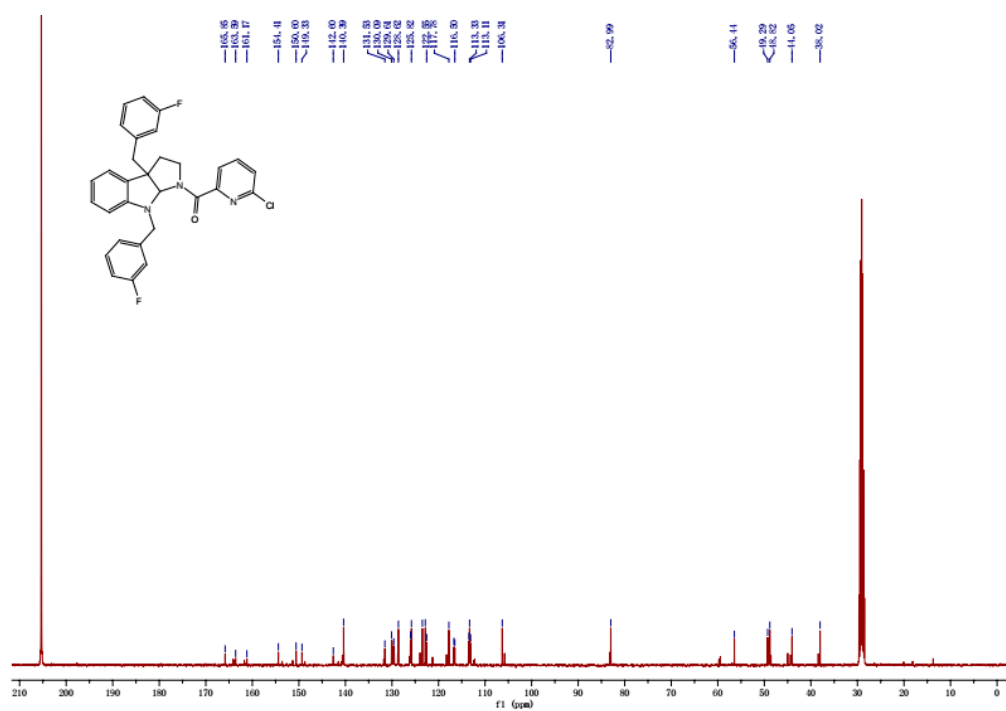


Figure S76. ^{13}C -NMR spectroscopic data for compound **b18**.

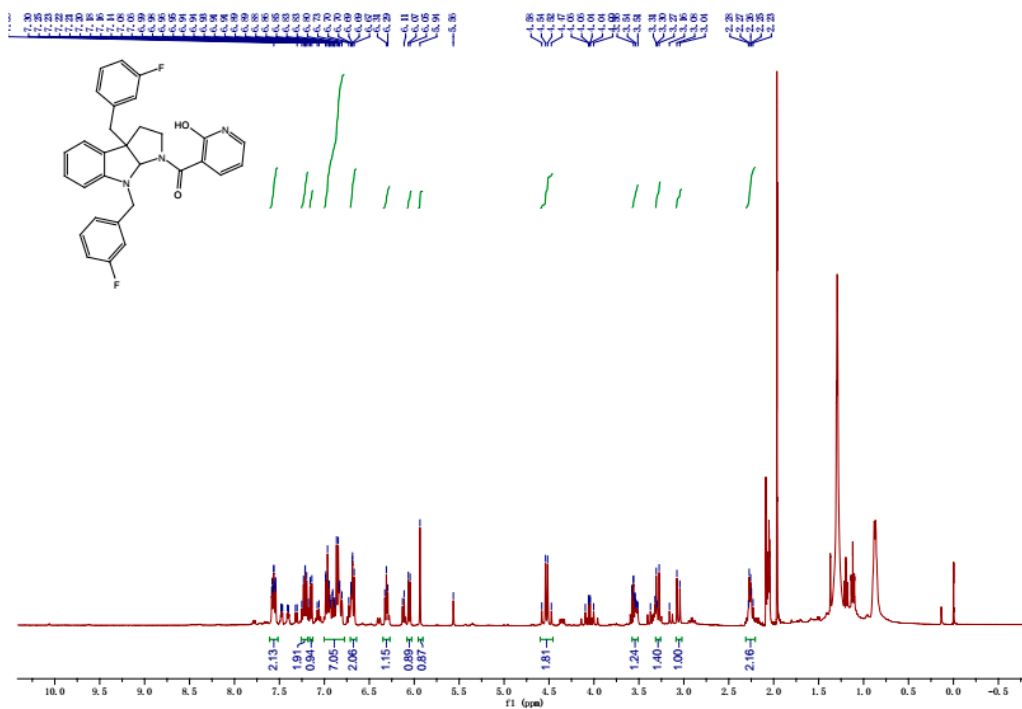


Figure S77. ^1H -NMR spectroscopic data for compound **b19**.

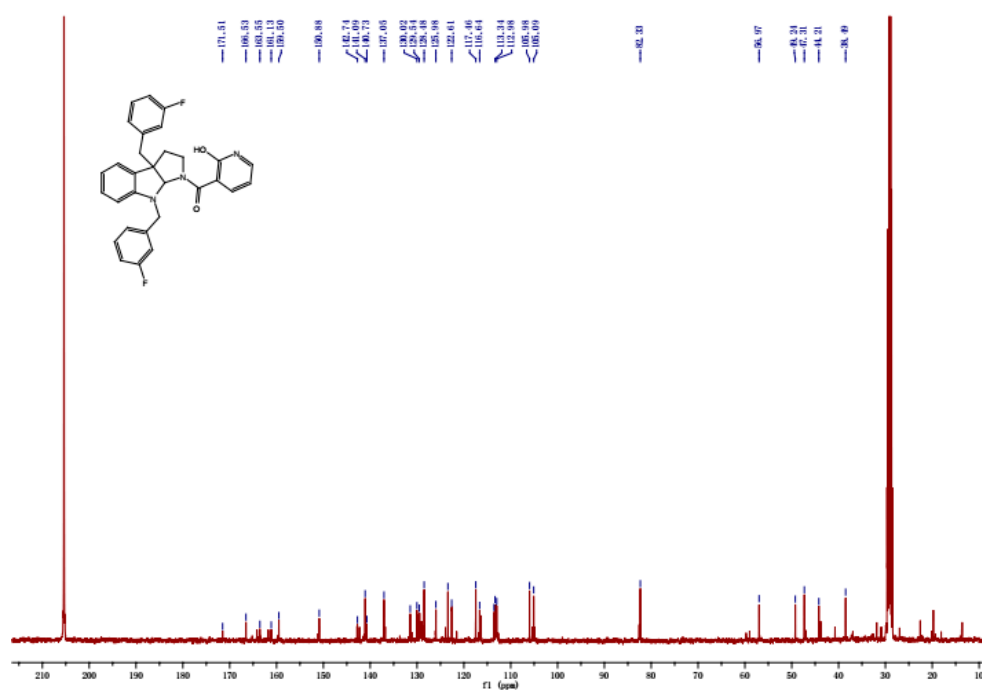


Figure S78. ^{13}C -NMR spectroscopic data for compound **b19**.