

Supplementary Materials: One-Pot Three-Component Synthesis of Novel diethyl ((2-oxo-1,2-dihydroquinolin-3-yl)(arylamino)methyl)phosphonate as Potential Anticancer Agents

Yi-Lin Fang, Zhi-Lin Wu, Meng-Wu Xiao, Yu-Ting Tang, Kang-Ming Li, Jiao Ye, Jian-Nan Xiang and Ai-Xi Hu

$^1\text{H-NMR}$ and $^{13}\text{C-NMR}$ Spectrogram of compounds 4a-x

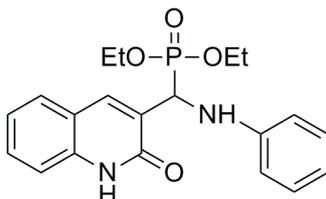


Figure S1. Chemical structure of compound 4a.

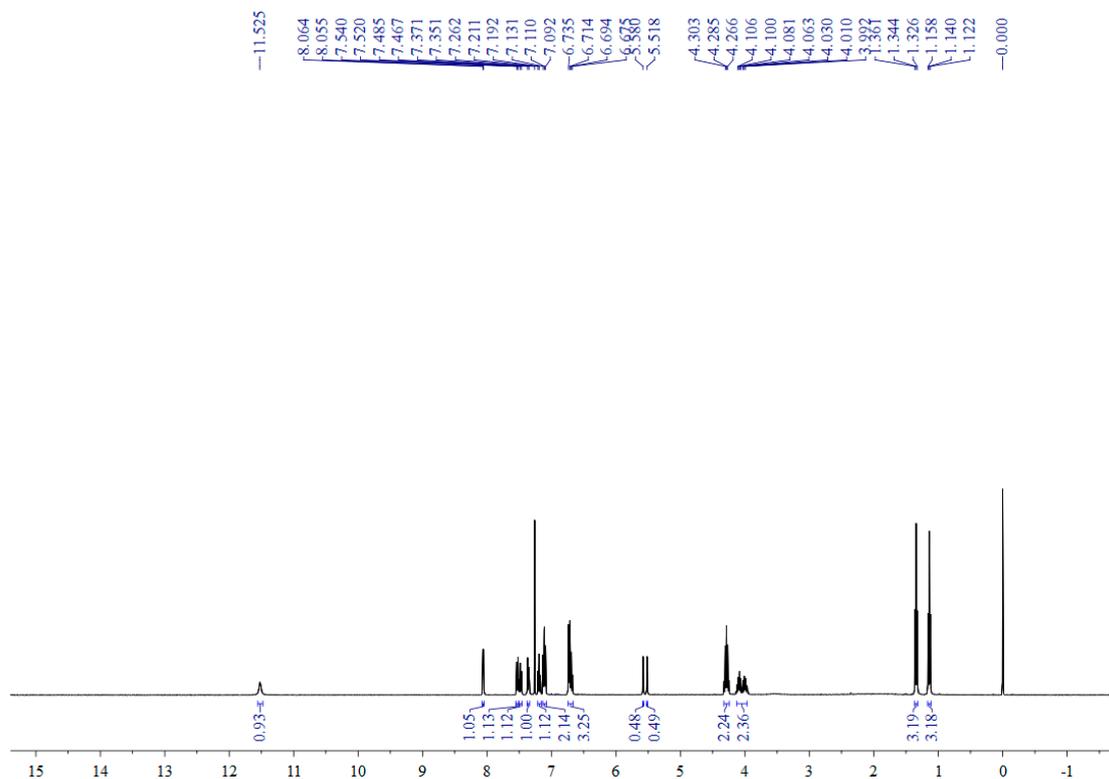


Figure S2. $^1\text{H-NMR}$ of compound 4a.

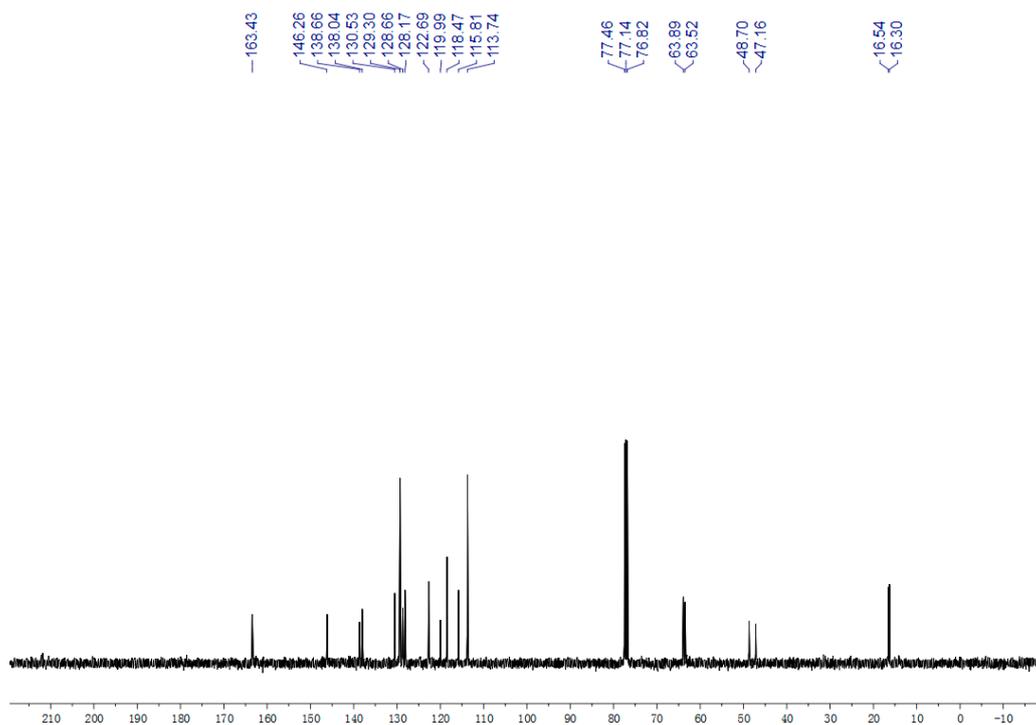


Figure S3. ¹³C-NMR of compound 4a.

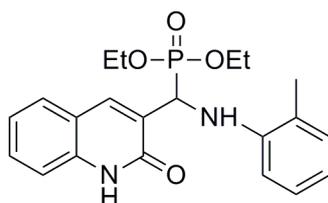


Figure S4. Chemical structure of compound 4b.

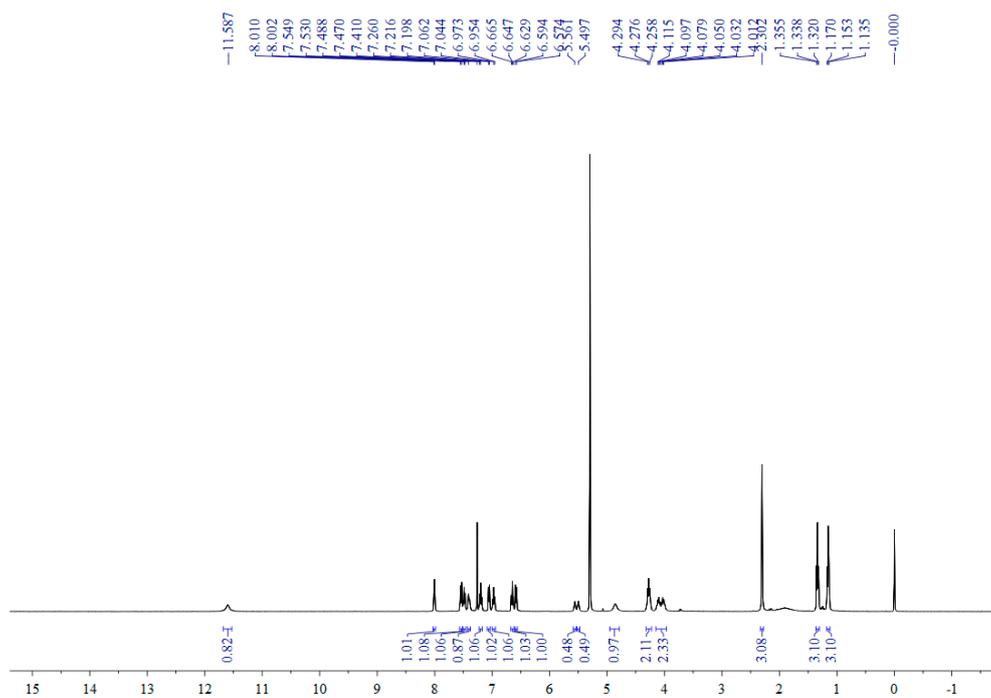


Figure S5. ¹H-NMR of compound 4b.

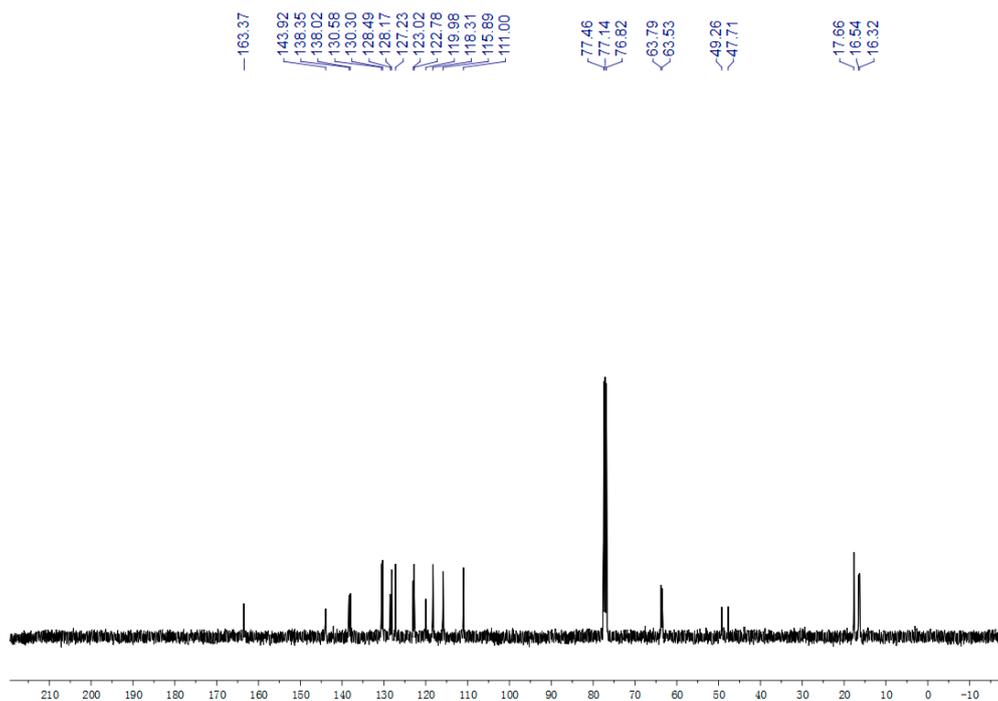


Figure S6. ¹³C-NMR of compound 4b.



Figure S7. Chemical structure of compound 4c.

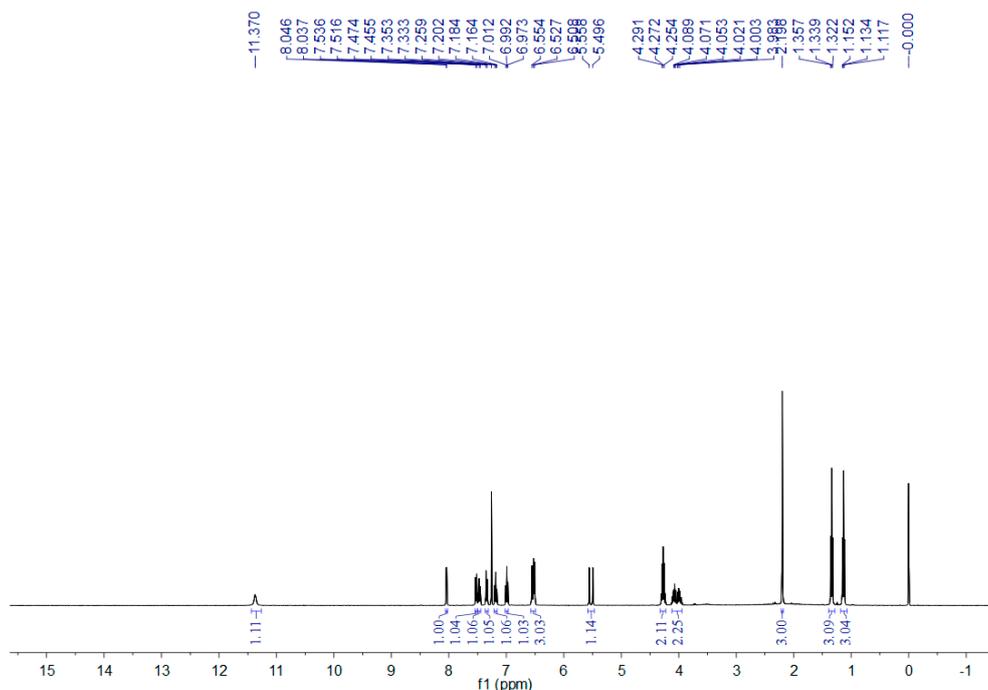


Figure S8. ¹H-NMR of compound 4c.

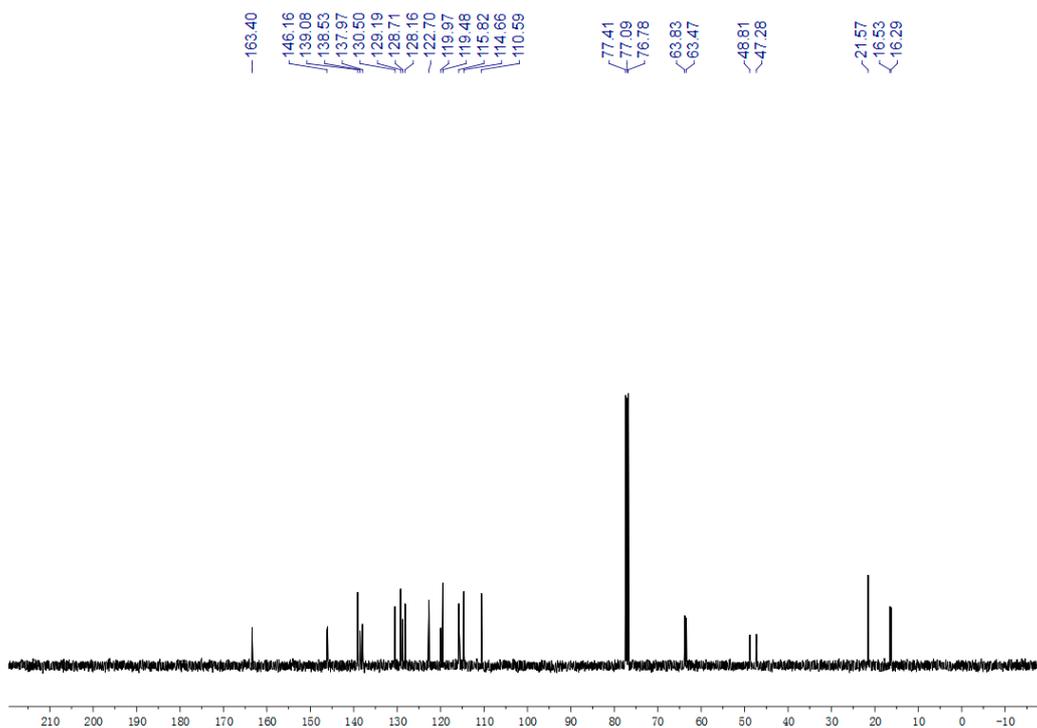


Figure S9. ¹³C-NMR of compound 4c.

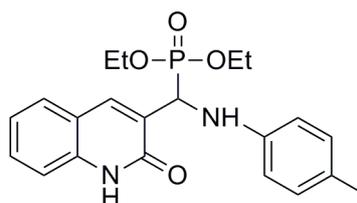


Figure S10. Chemical structure of compound 4d.

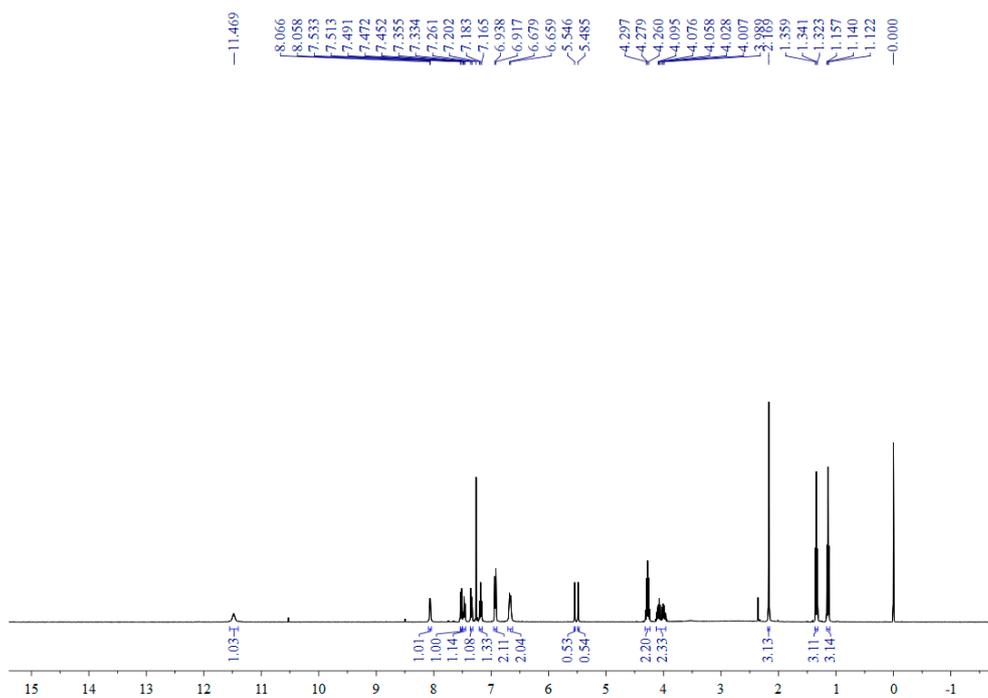


Figure S11. ¹H-NMR of compound 4d.

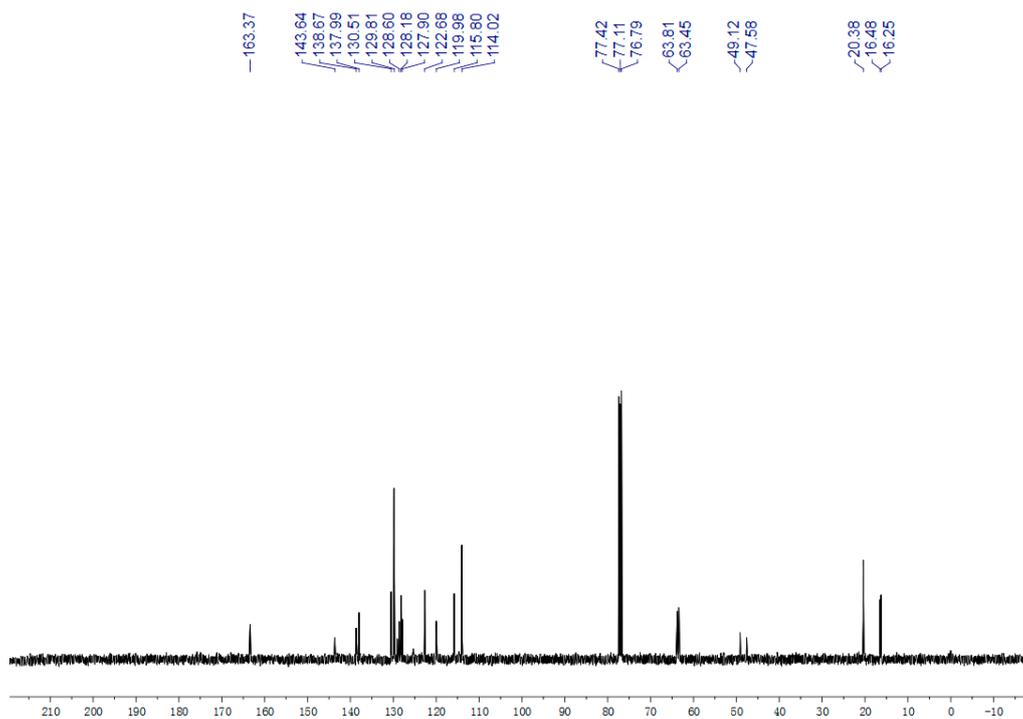


Figure S12. ¹³C-NMR of compound 4d.

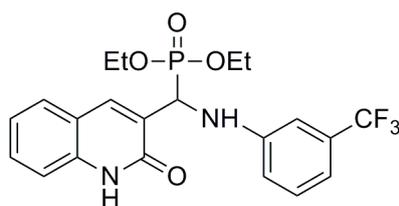


Figure S13. Chemical structure of compound 4e.

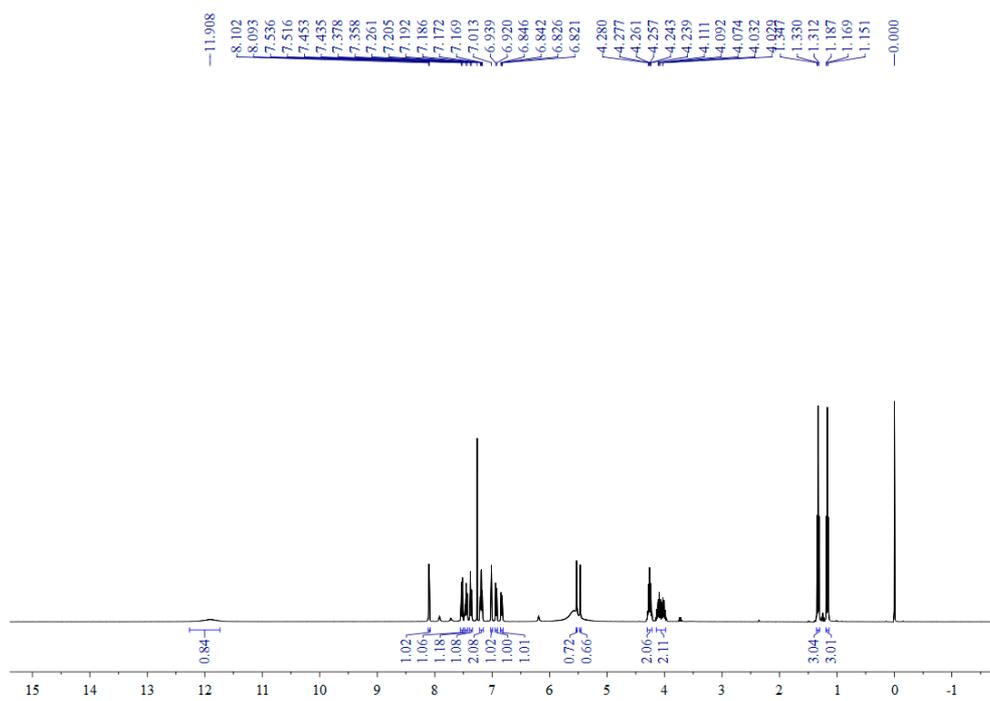


Figure S14. ¹H-NMR of compound 4e.

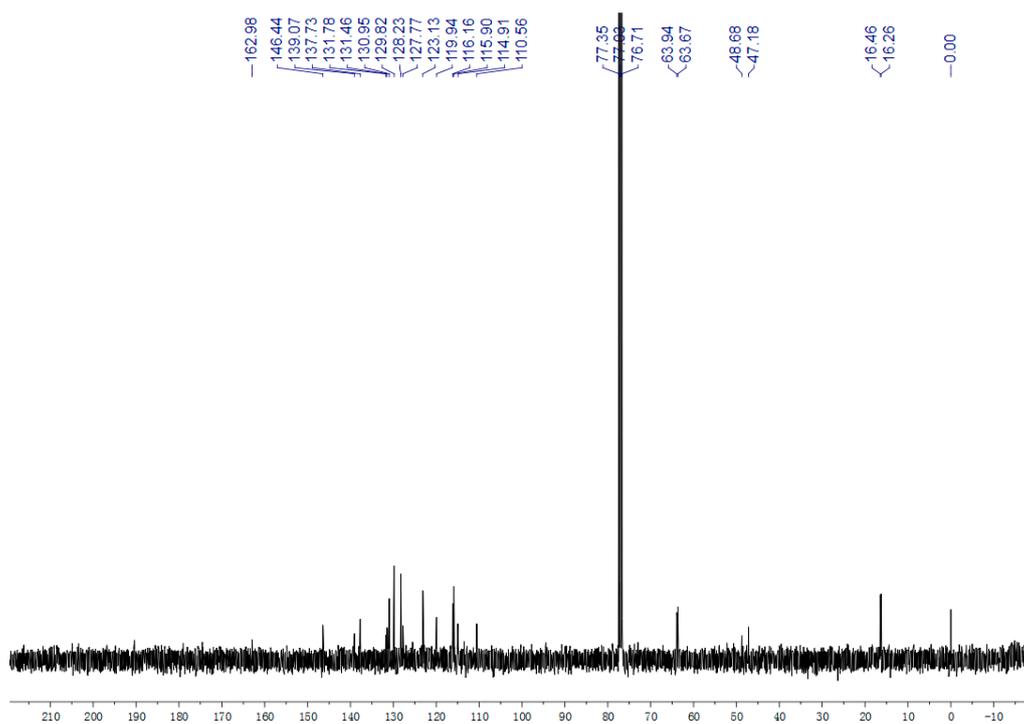


Figure S15. ¹³C-NMR of compound 4e.

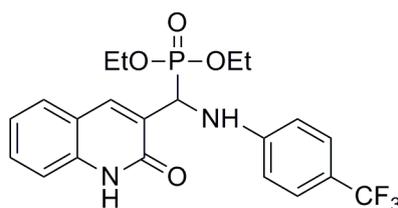


Figure S16. Chemical structure of compound 4f.

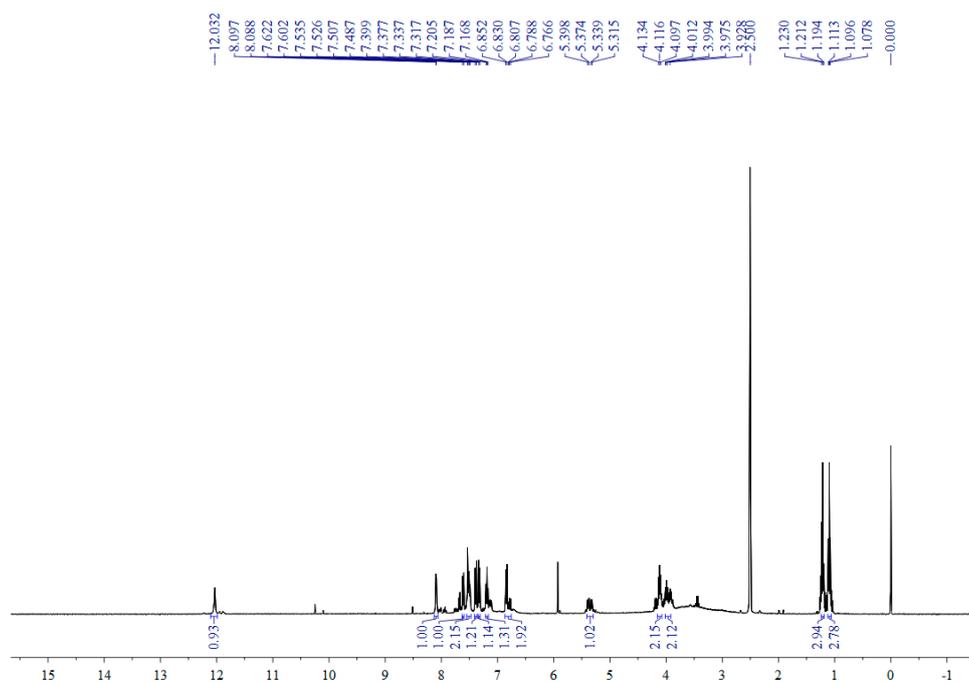


Figure S17. ¹H-NMR of compound 4f.

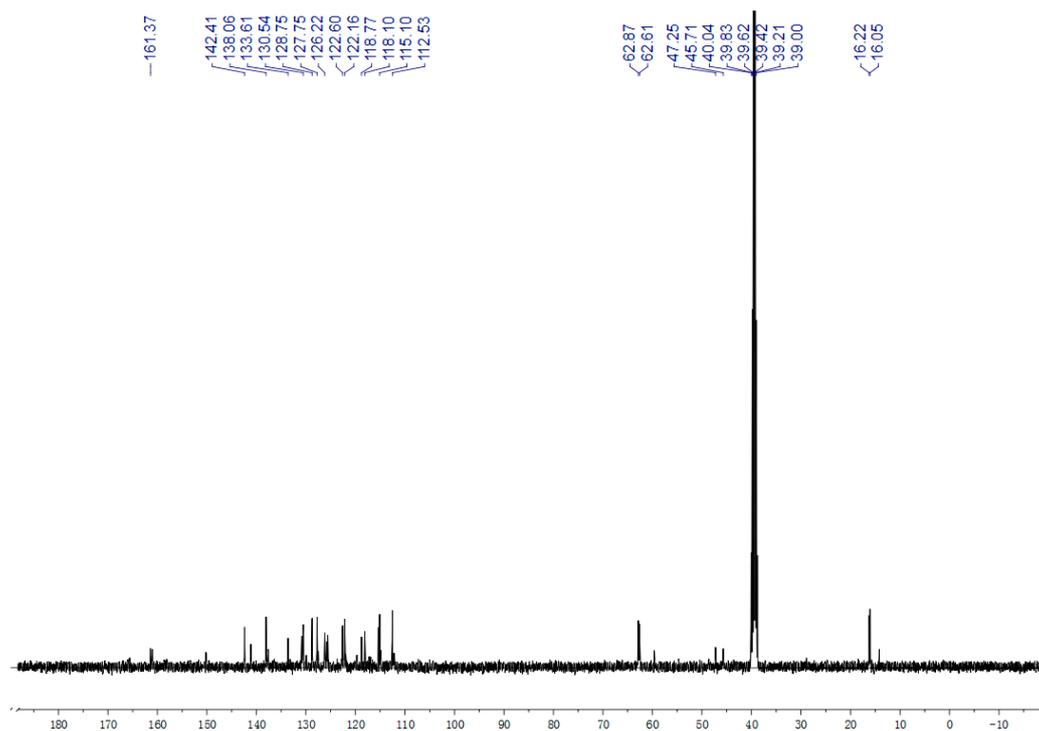


Figure S18. ¹³C-NMR of compound 4f.

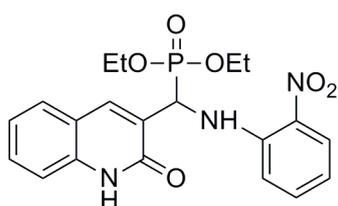


Figure S19. Chemical structure of compound 4g.

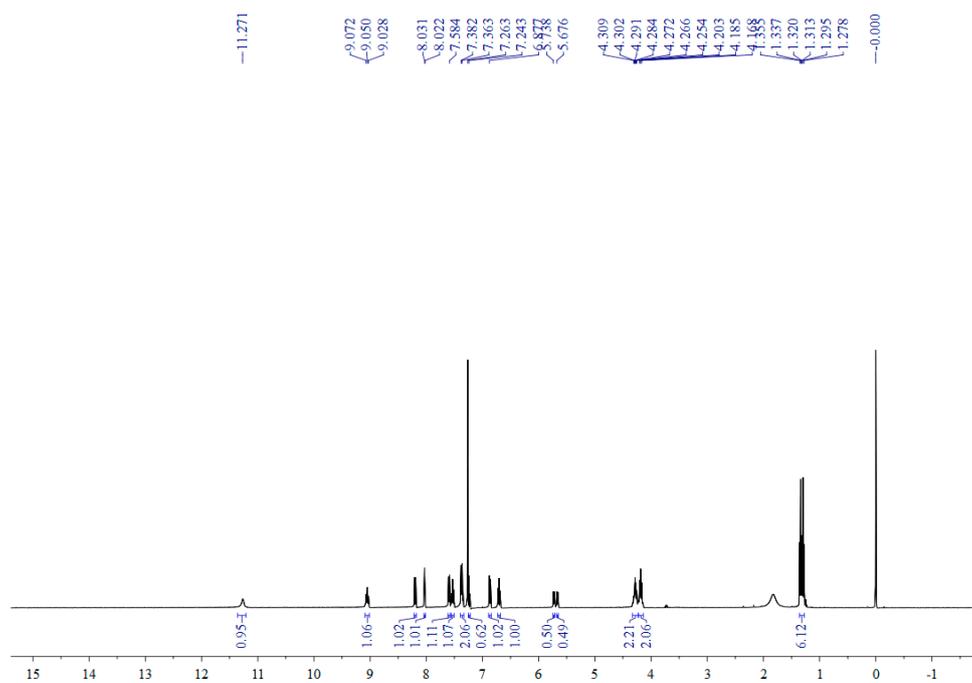


Figure S20. ¹H-NMR of compound 4g.

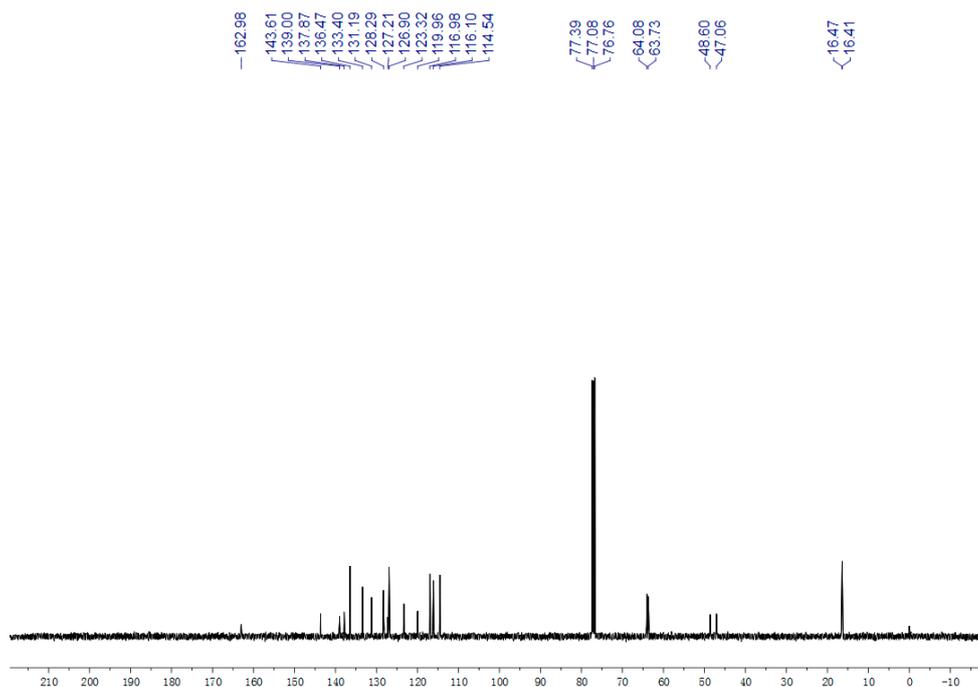


Figure S21. ¹³C-NMR of compound 4g.

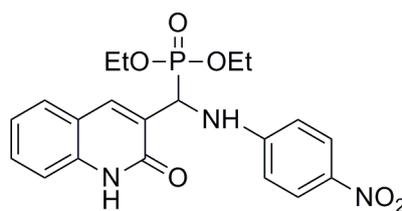


Figure S22. Chemical structure of compound 4h.

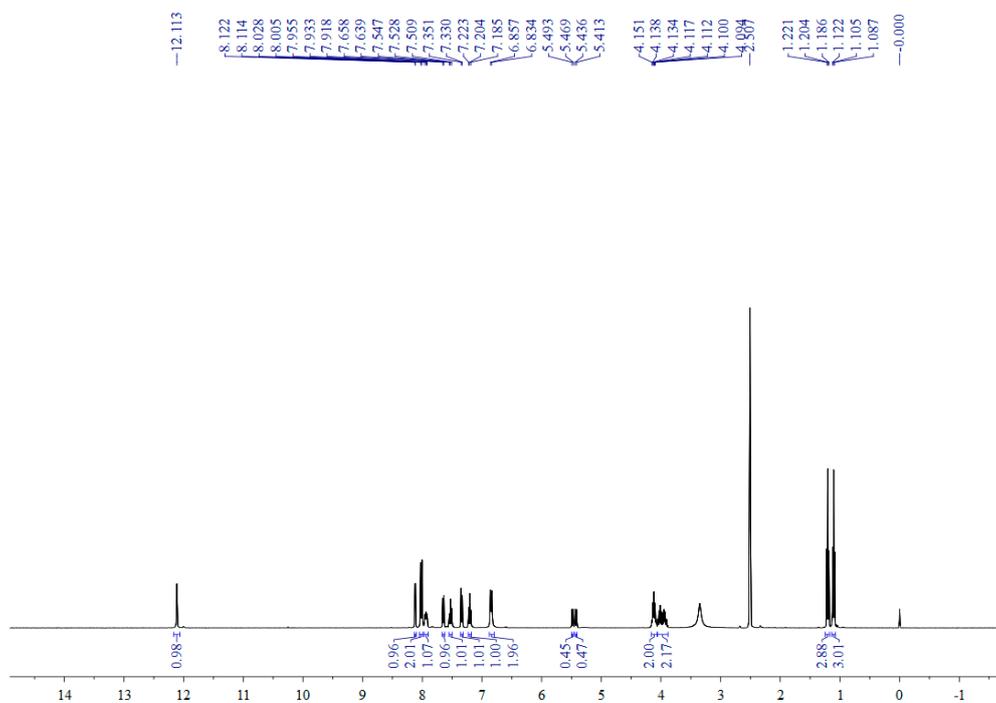


Figure S23. ¹H-NMR of compound 4h.

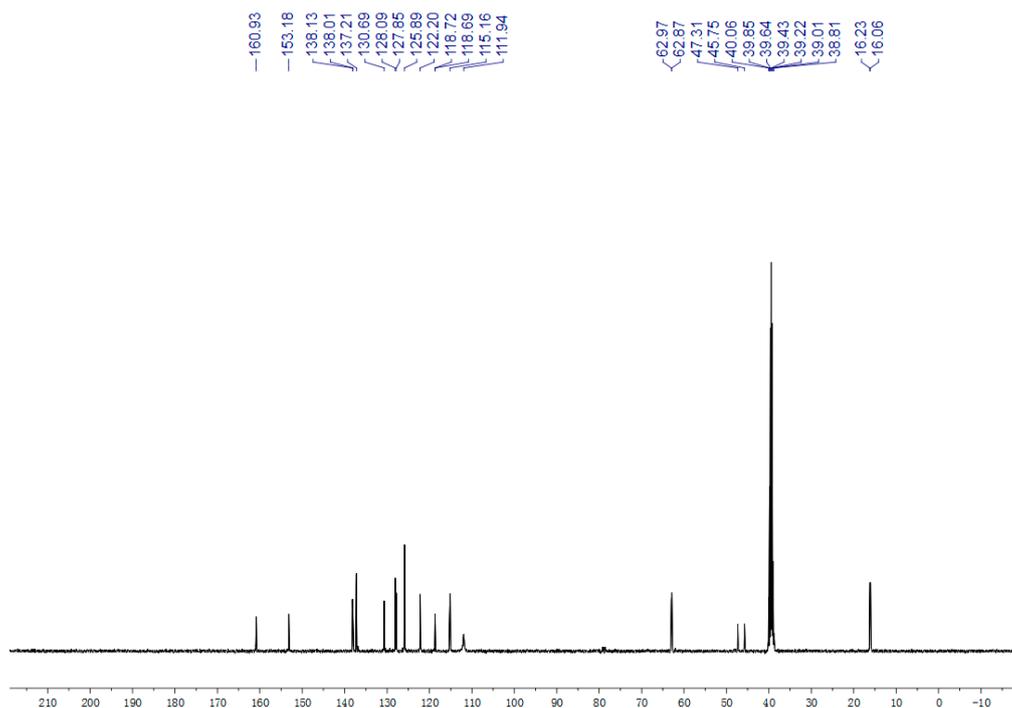


Figure S24. ¹³C-NMR of compound 4h.

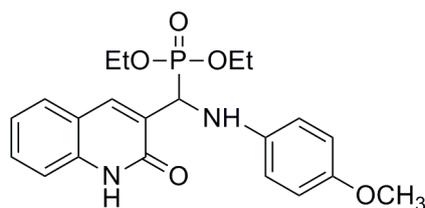


Figure S25. Chemical structure of compound 4i.

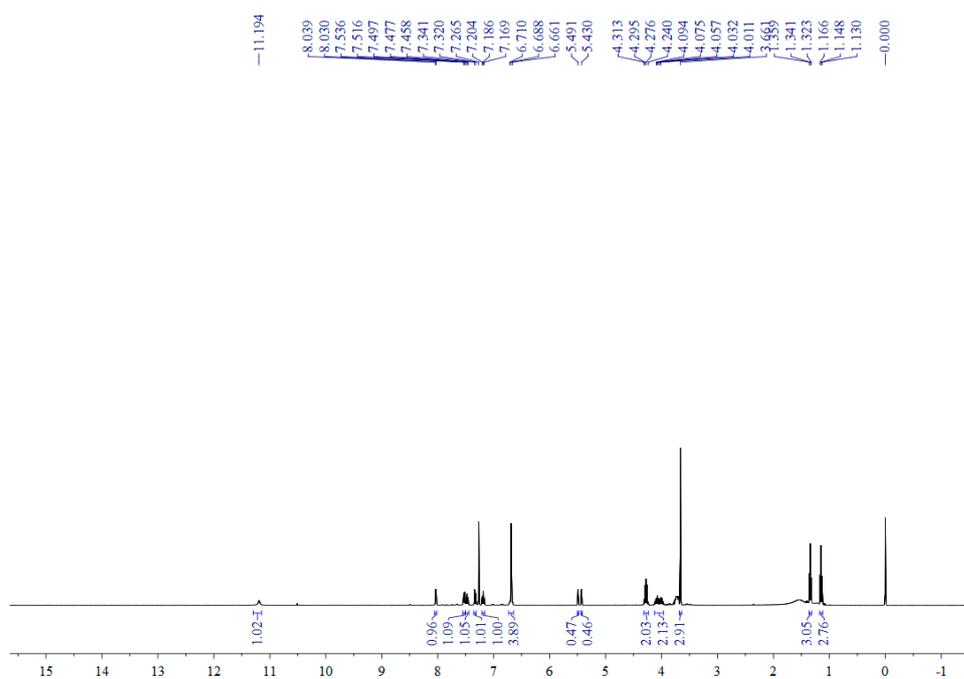


Figure S26. ¹H-NMR of compound 4i.

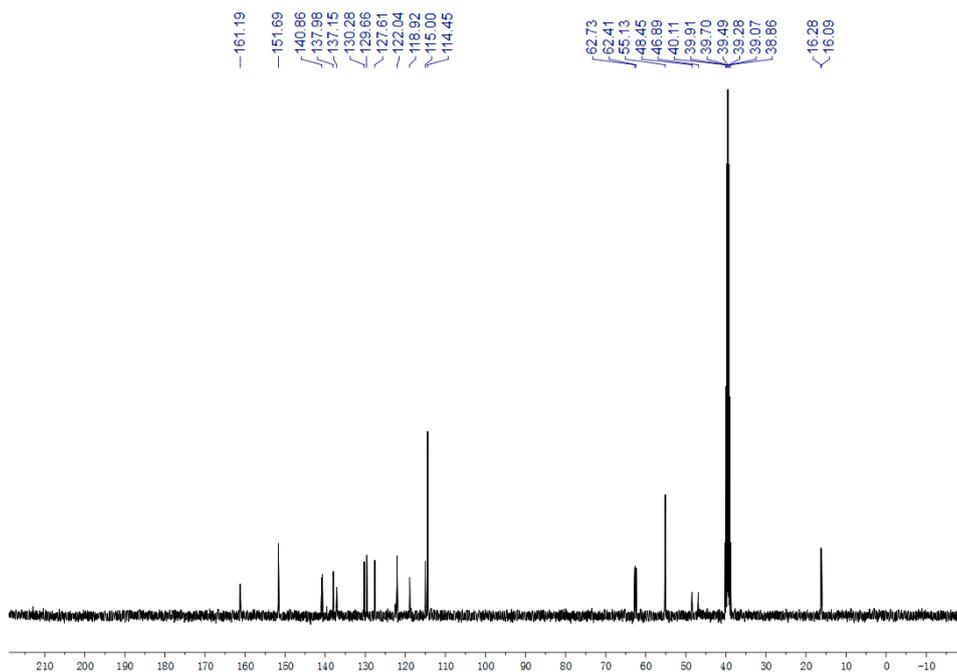


Figure S27. ¹³C-NMR of compound 4i.

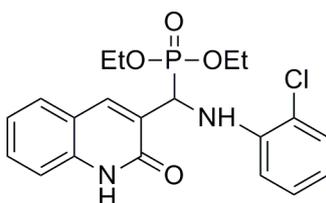


Figure S28. Chemical structure of compound 4j.

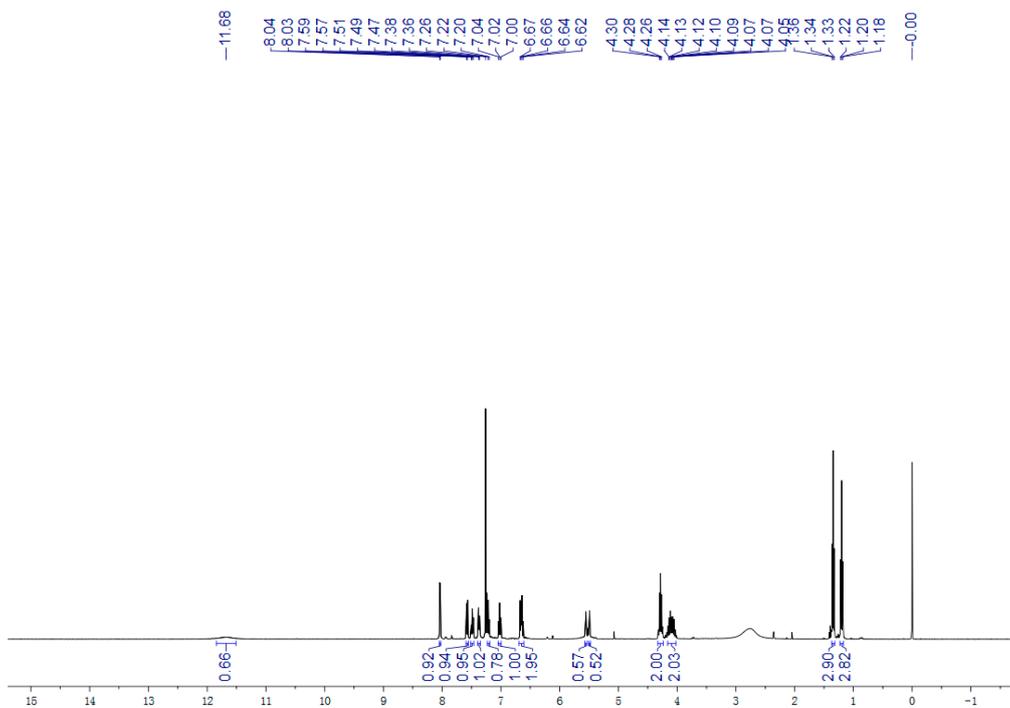


Figure S29. ¹H-NMR of compound 4j.

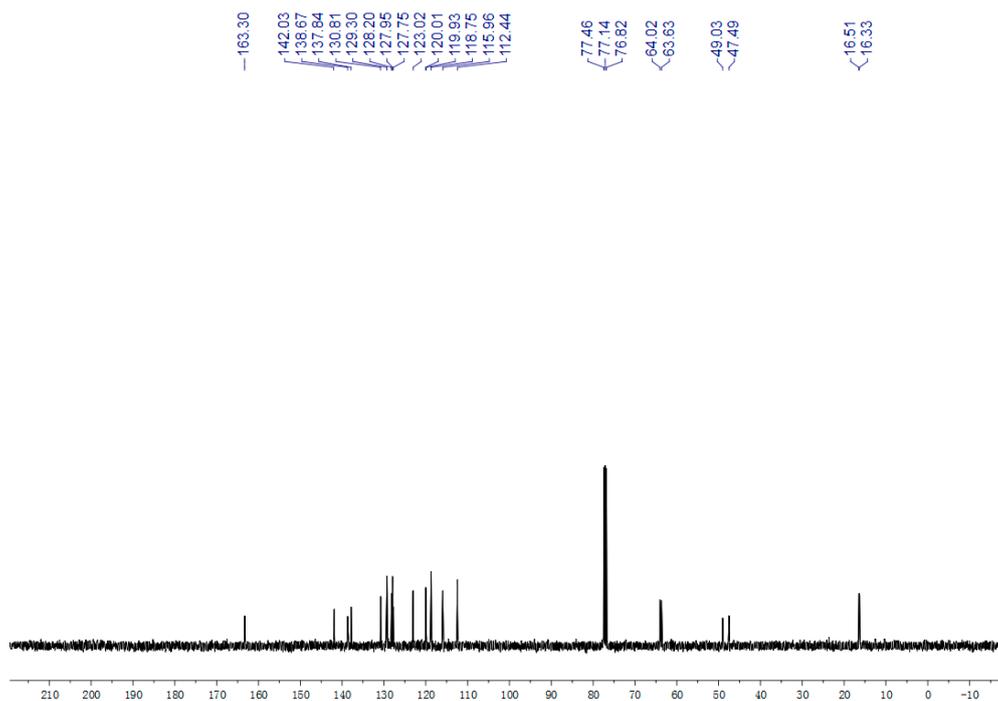


Figure S30. ¹³C-NMR of compound 4j.

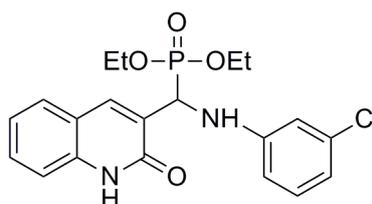


Figure S31. Chemical structure of compound 4k.

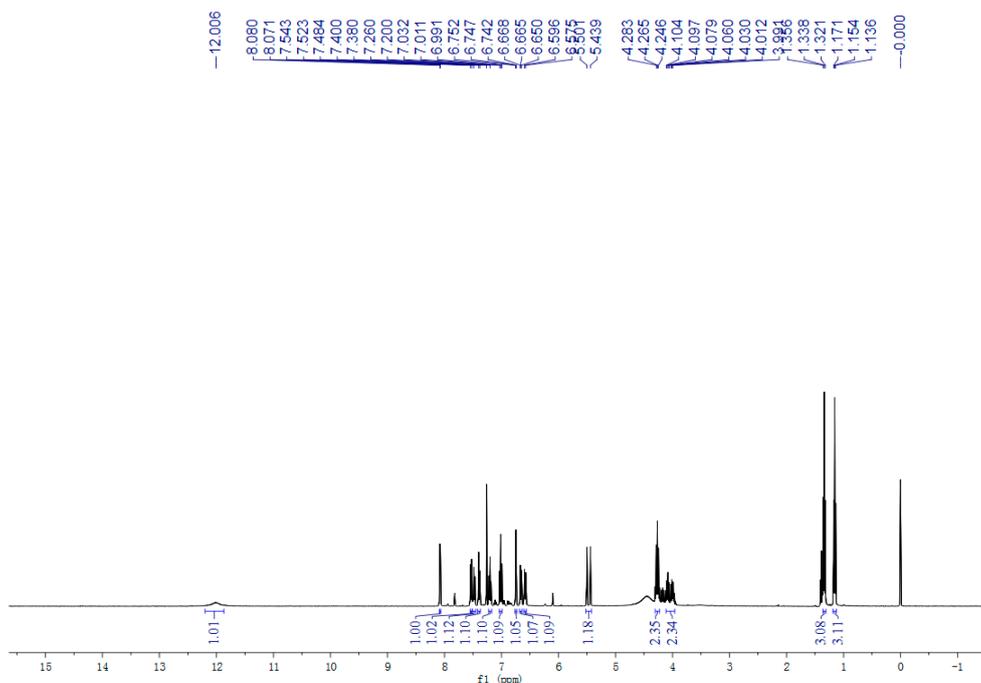


Figure S32. ¹H-NMR of compound 4k.

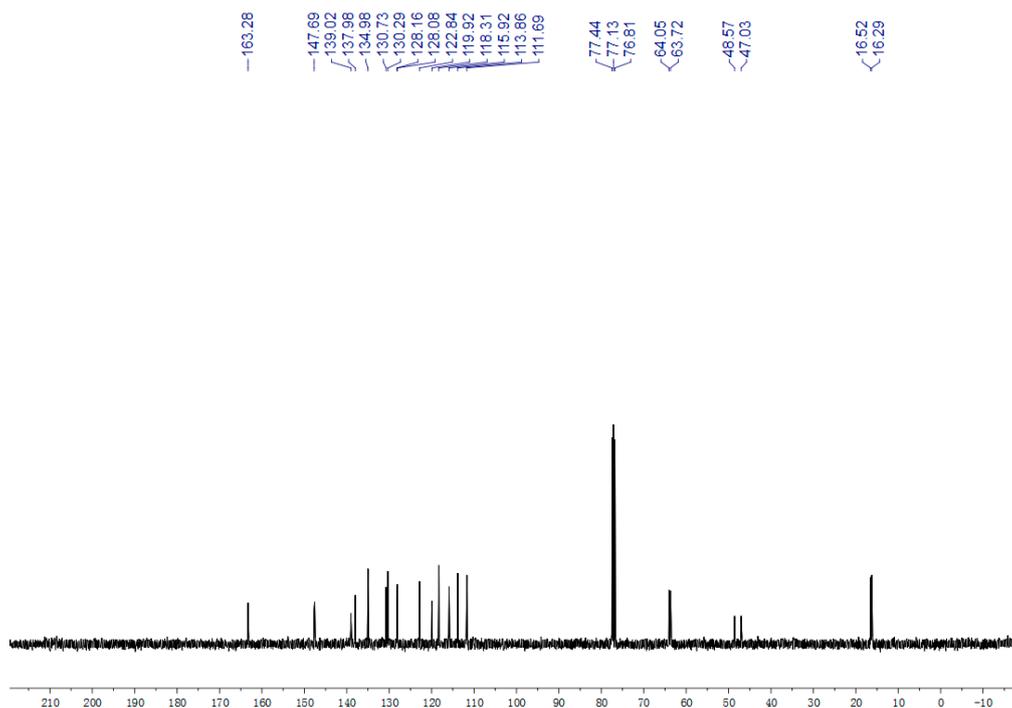


Figure S33. ¹³C-NMR of compound 4k.

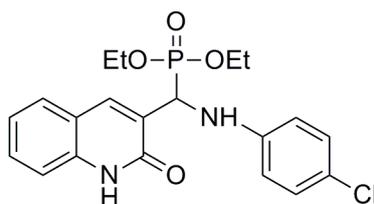


Figure S34. Chemical structure of compound 4l.

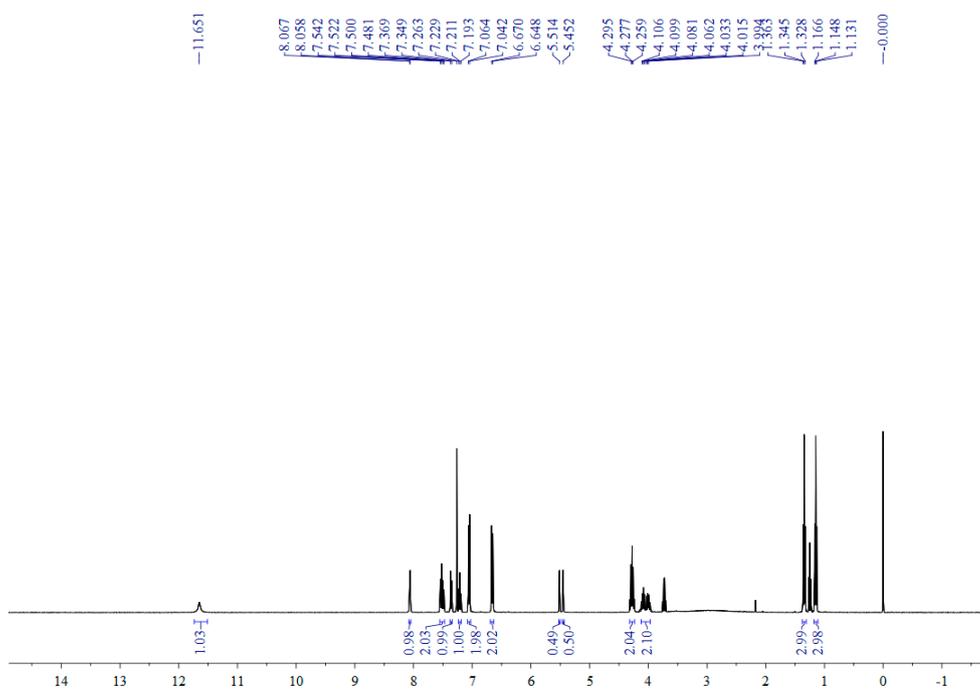


Figure S35. ¹H-NMR of compound 4l.

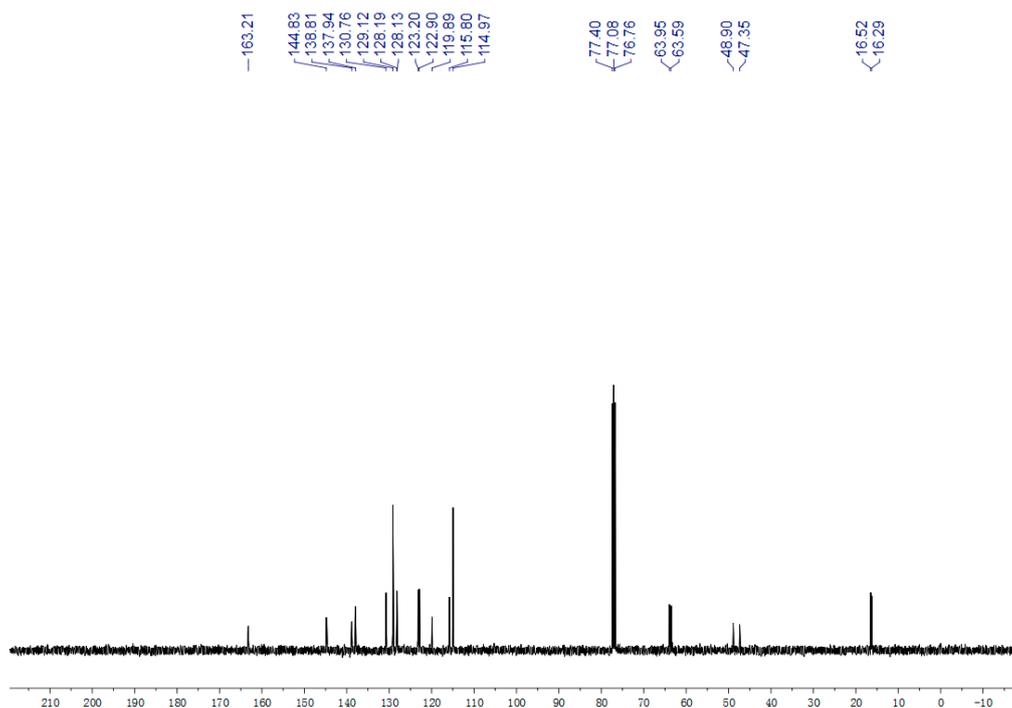


Figure S36. ¹³C-NMR of compound 4l.

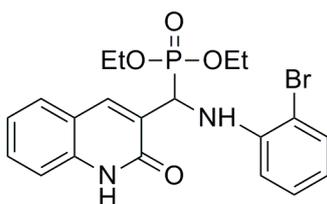


Figure S37. Chemical structure of compound 4m.

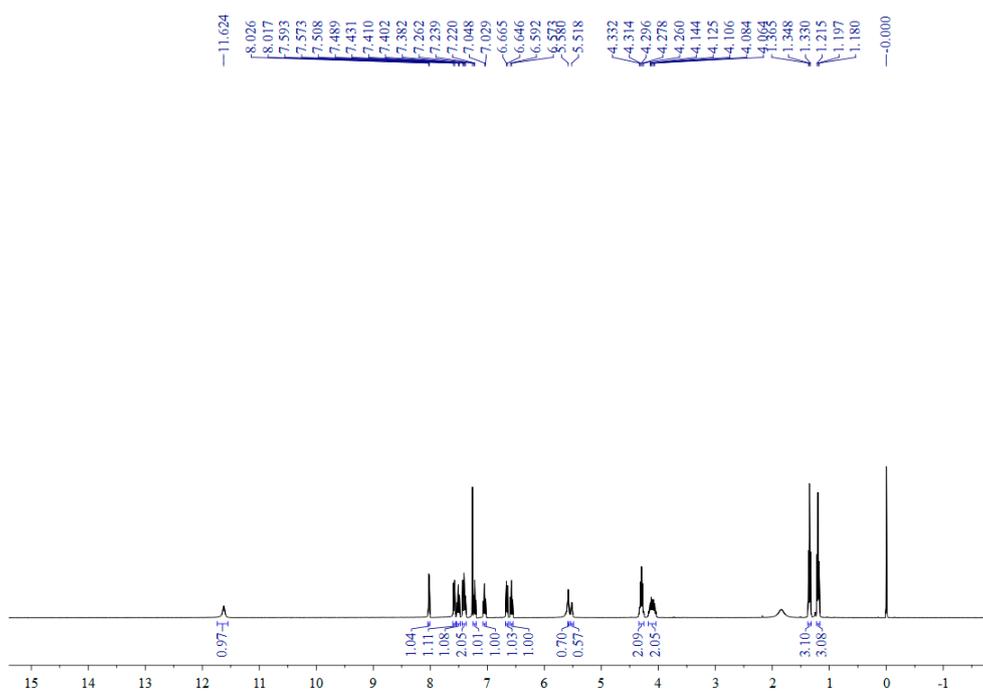


Figure S38. ¹H-NMR of compound 4m.

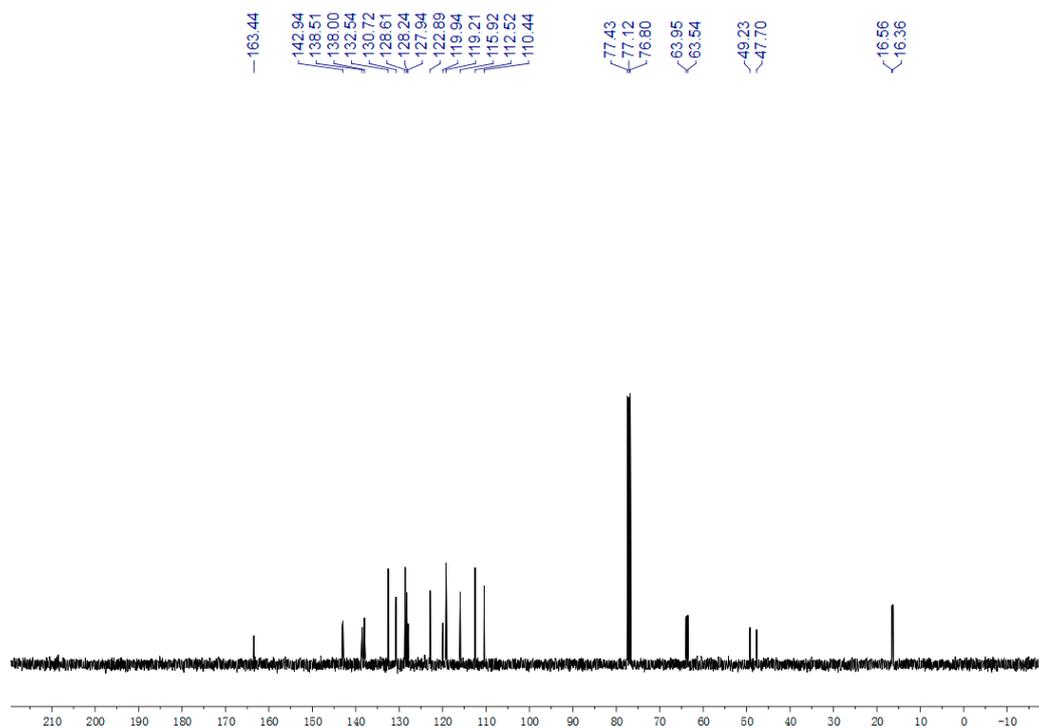


Figure S39. ¹³C-NMR of compound 4m.

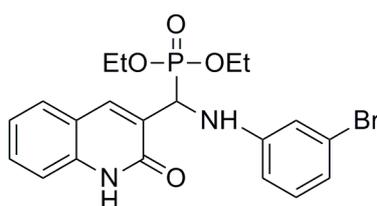


Figure S40. Chemical structure of compound 4n.

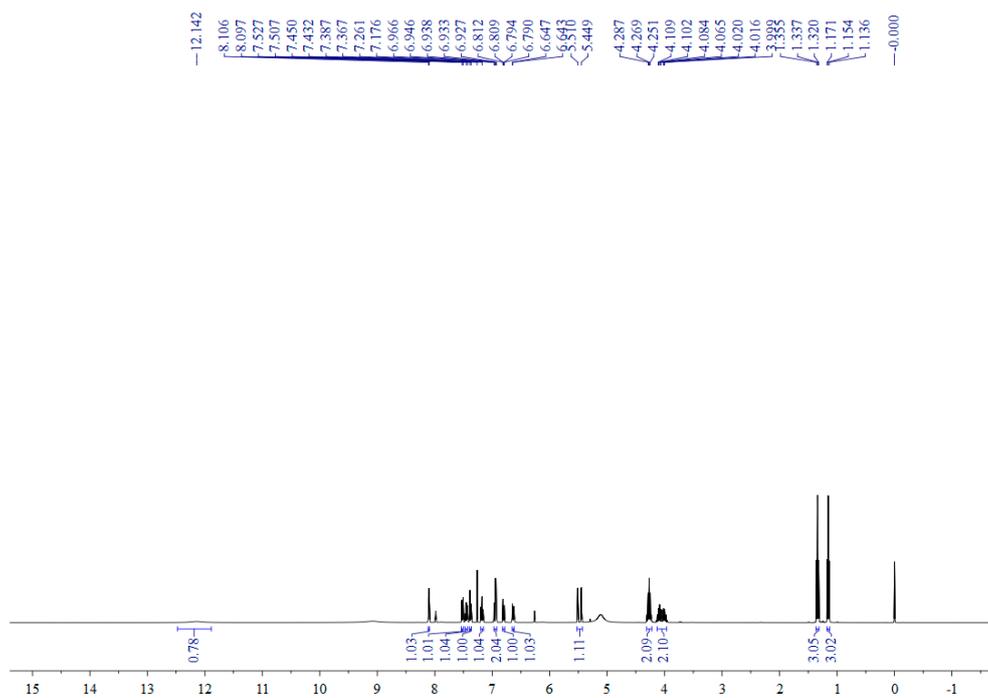


Figure S41. ¹H-NMR of compound 4n.

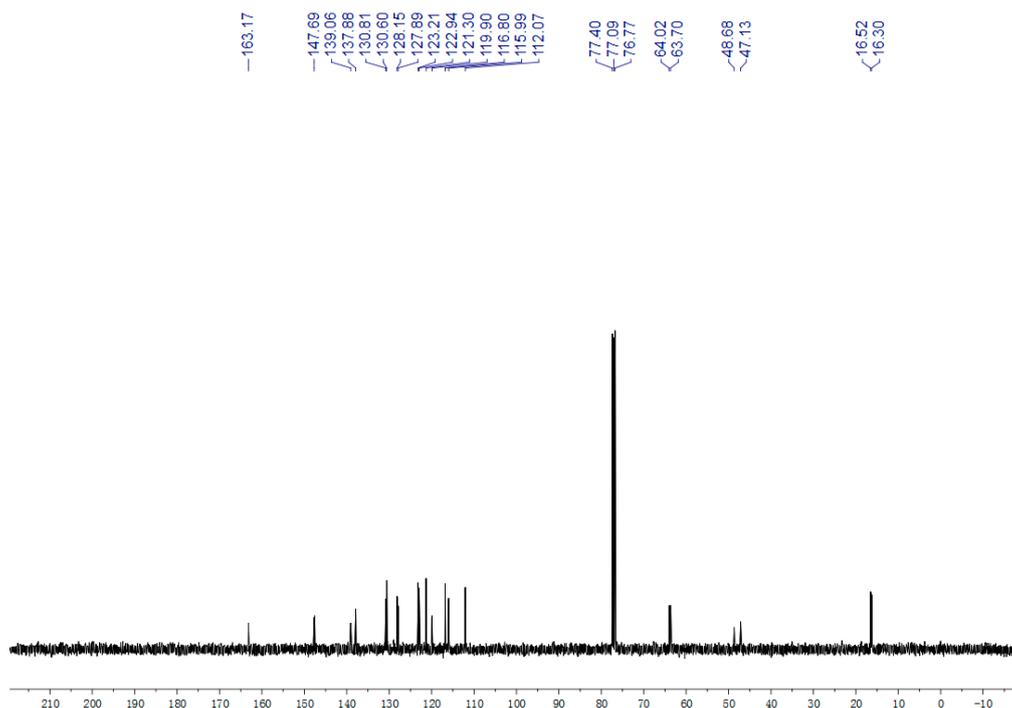


Figure S42. ¹³C-NMR of compound 4n.

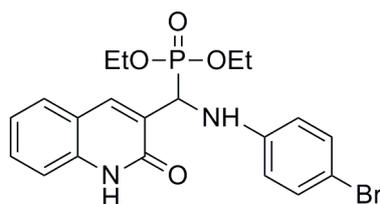


Figure S43. Chemical structure of compound 4o.

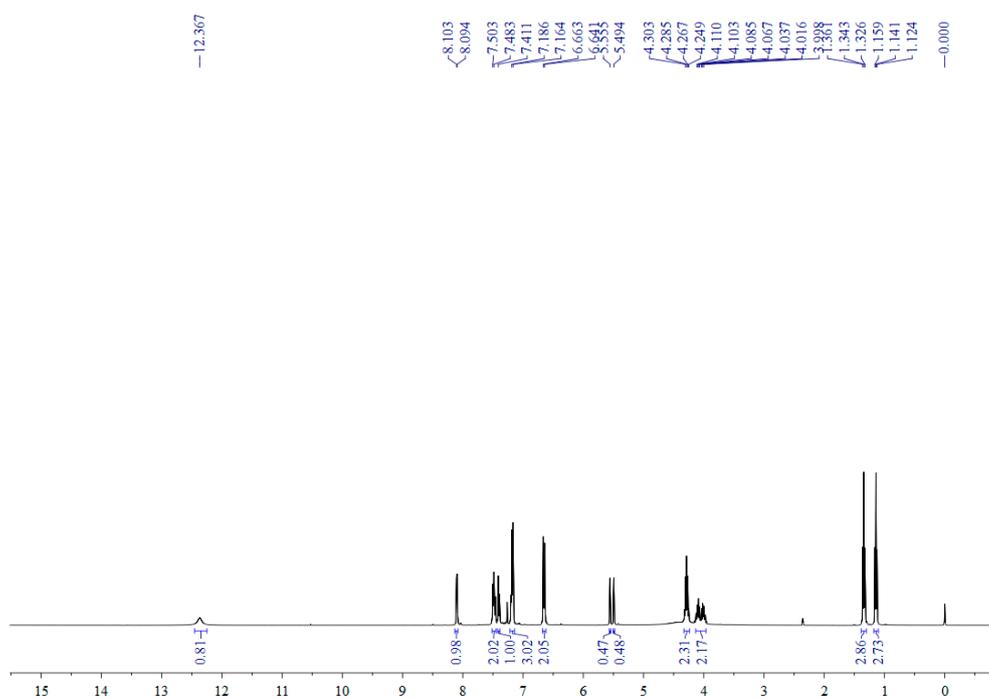


Figure S44. ¹H-NMR of compound 4o.

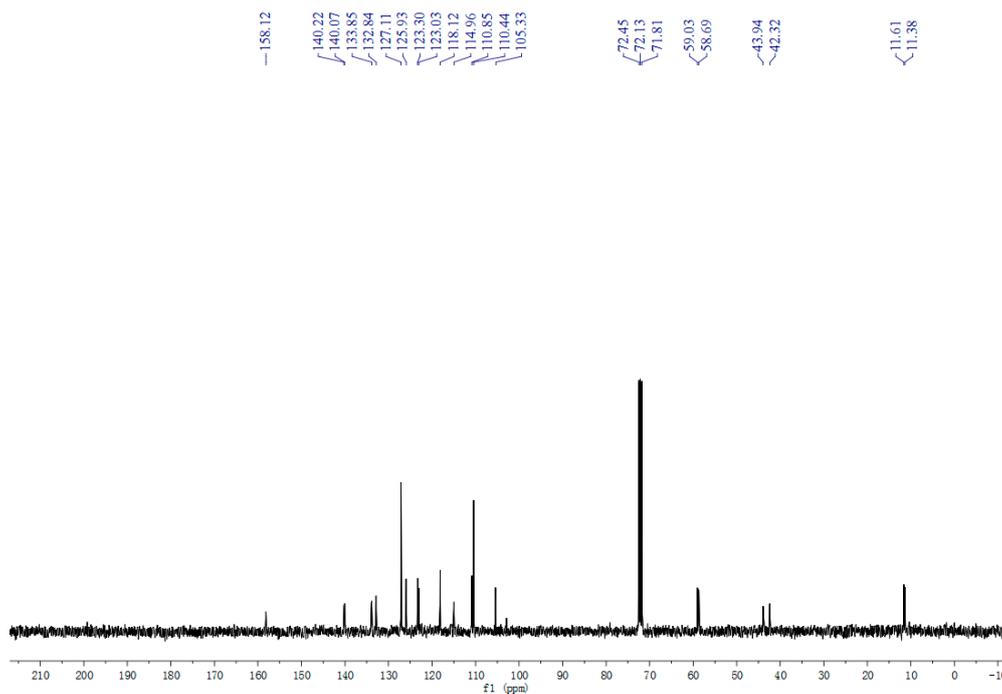


Figure S45. ¹³C-NMR of compound 4o.

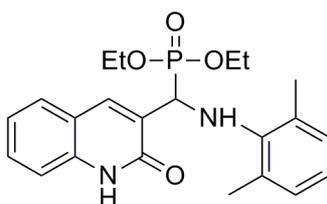


Figure S46. Chemical structure of compound 4p.

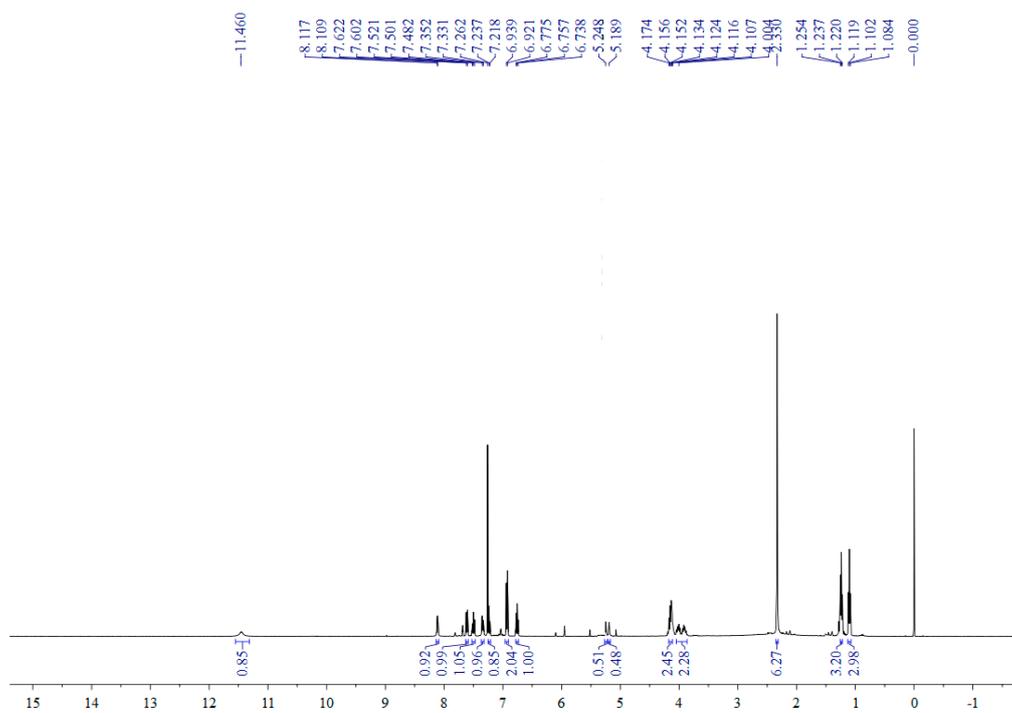


Figure S47. ¹H-NMR of compound 4p.

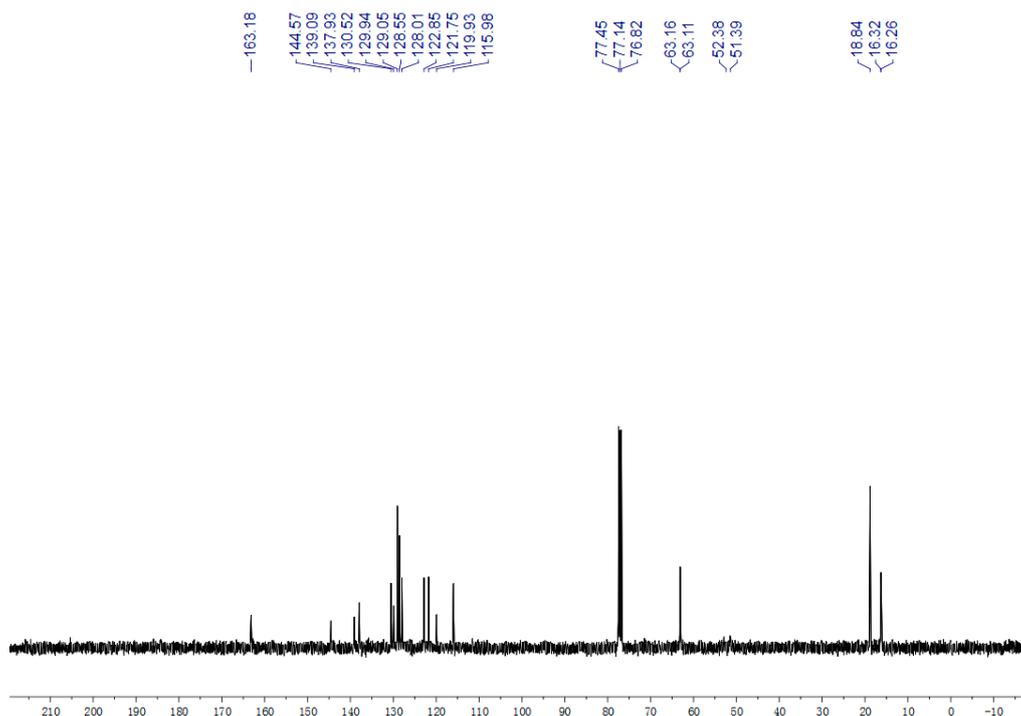


Figure S48. ¹³C-NMR of compound 4p.



Figure S49. Chemical structure of compound 4q.

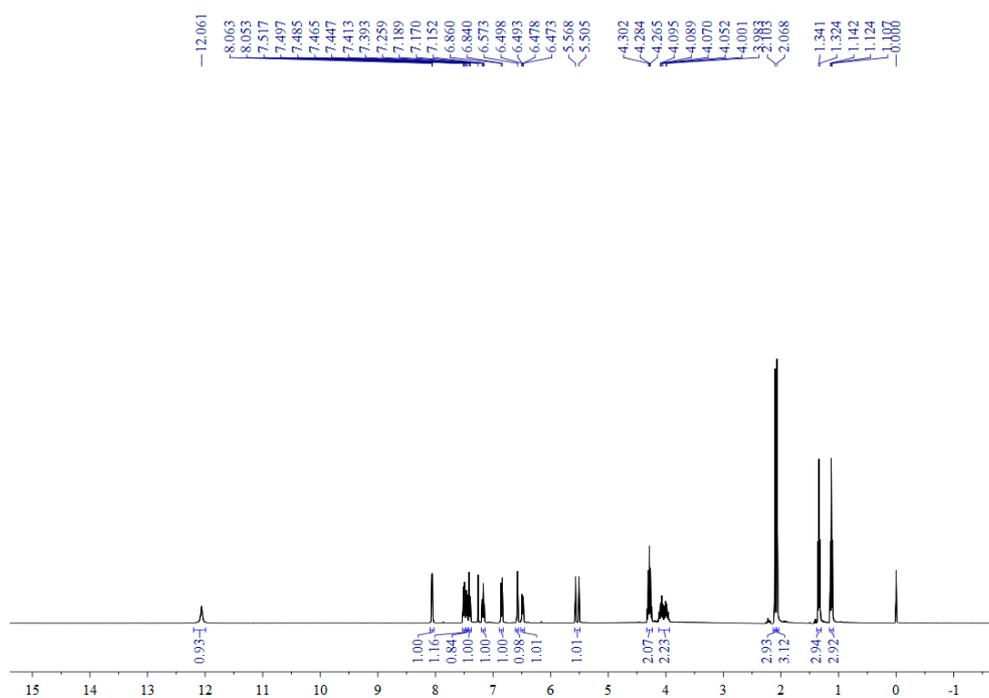


Figure S50. ¹H-NMR of compound 4q.

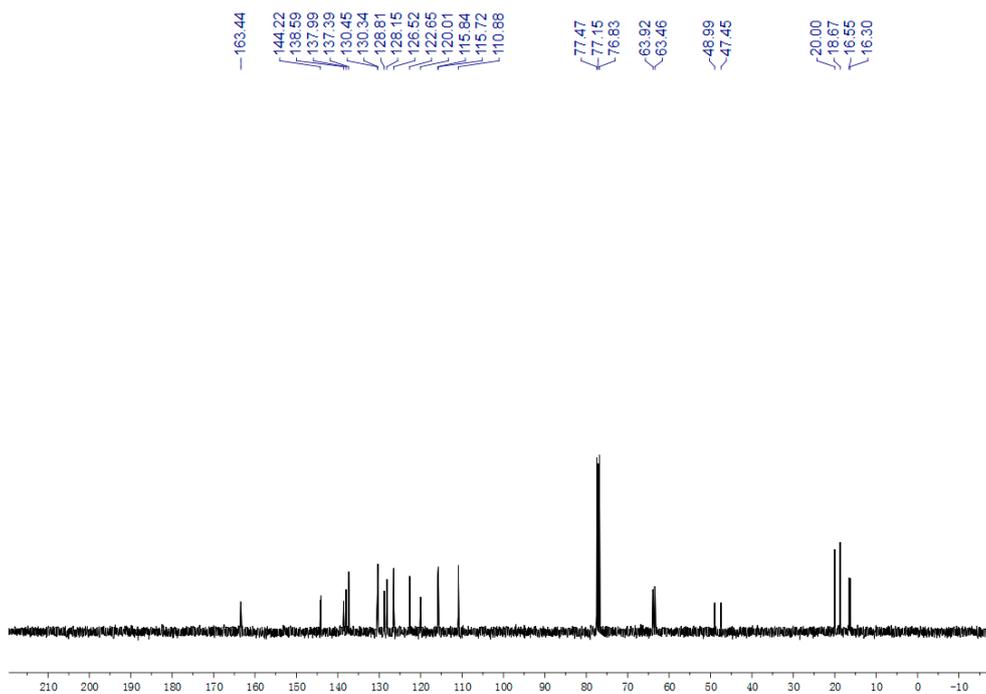


Figure S51. ¹³C-NMR of compound 4q.

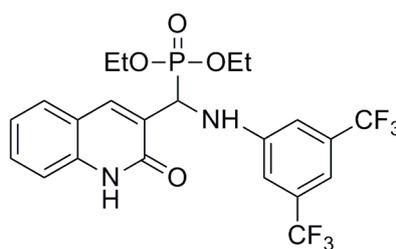


Figure S52. Chemical structure of compound 4r.

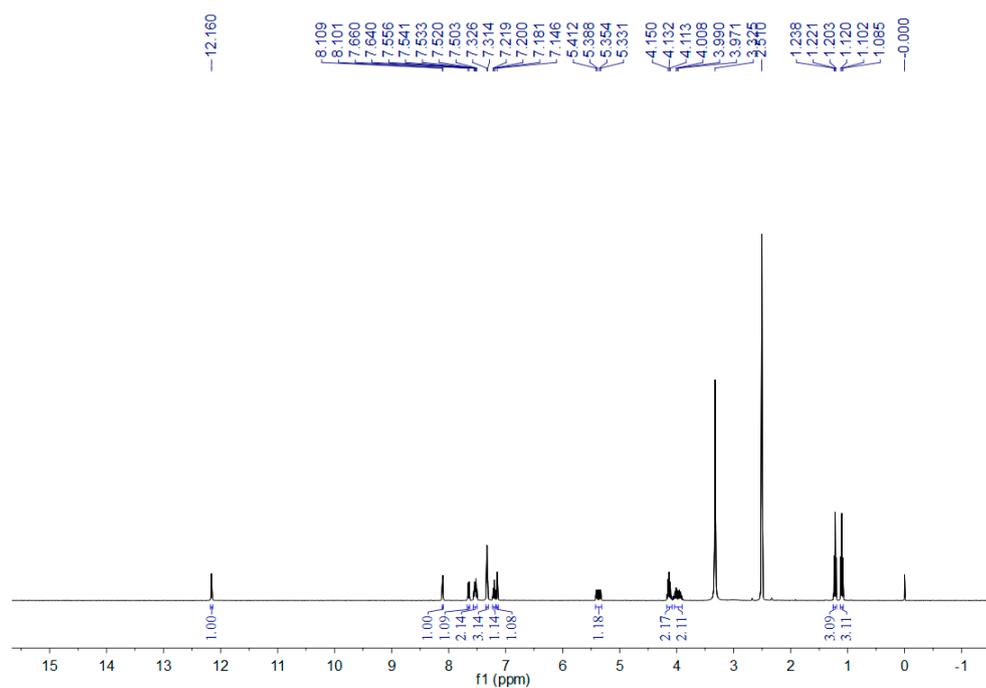


Figure S53. ¹H-NMR of compound 4r.

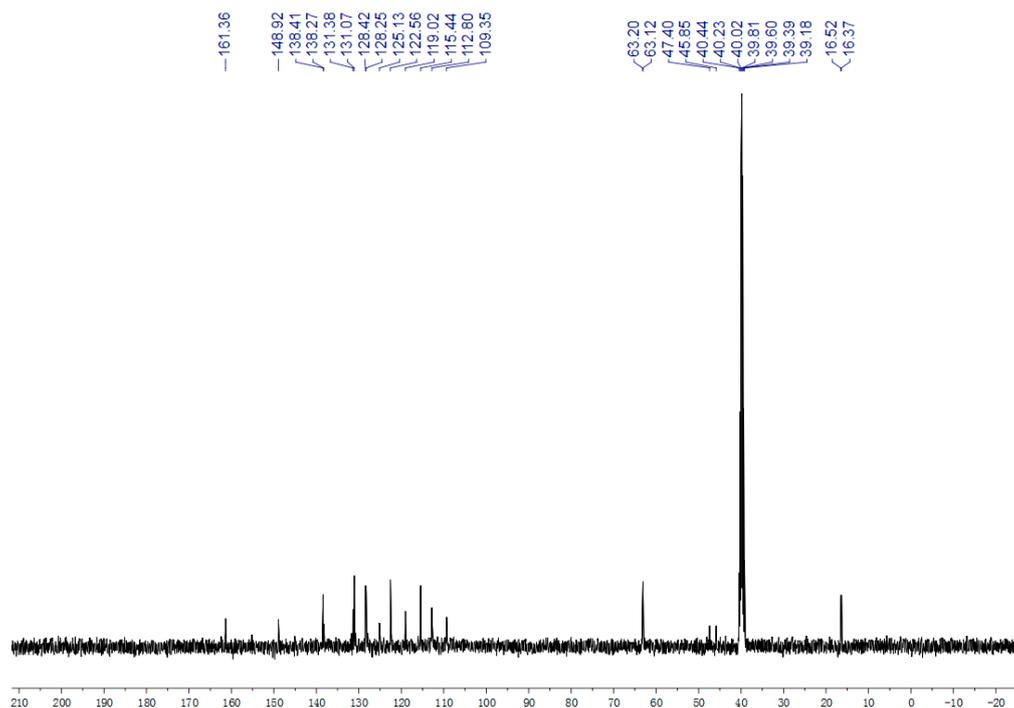
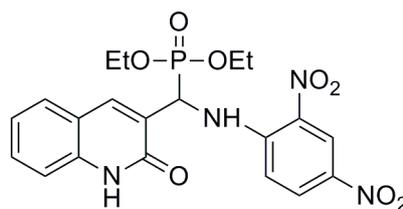
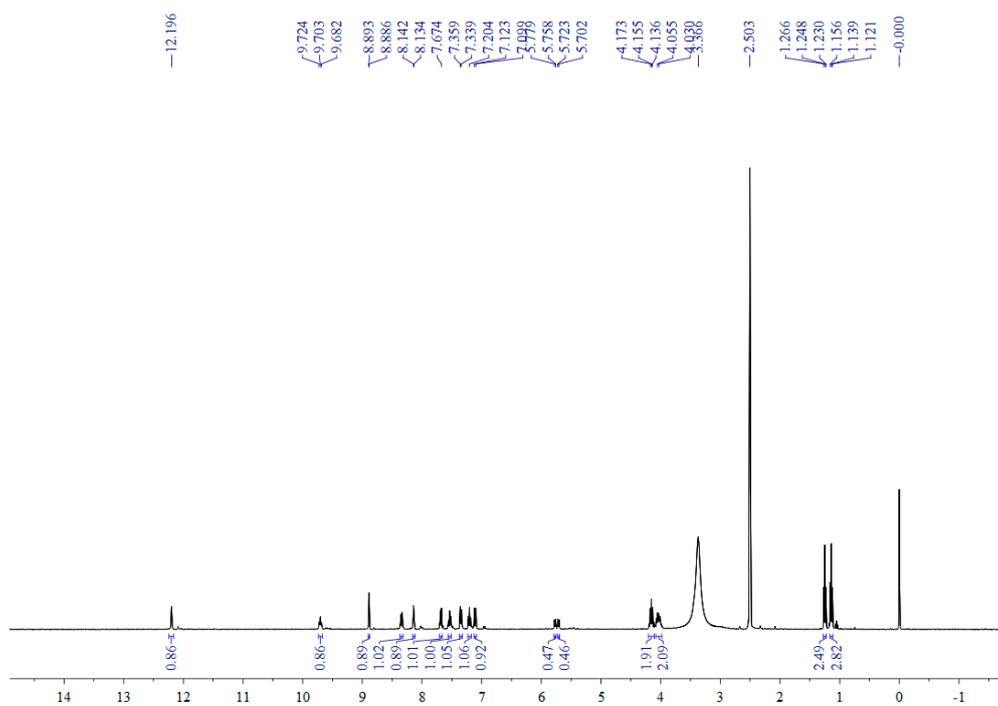
Figure S54. ^{13}C -NMR of compound 4r.

Figure S55. Chemical structure of compound 4s.

Figure S56. ^1H -NMR of compound 4s.

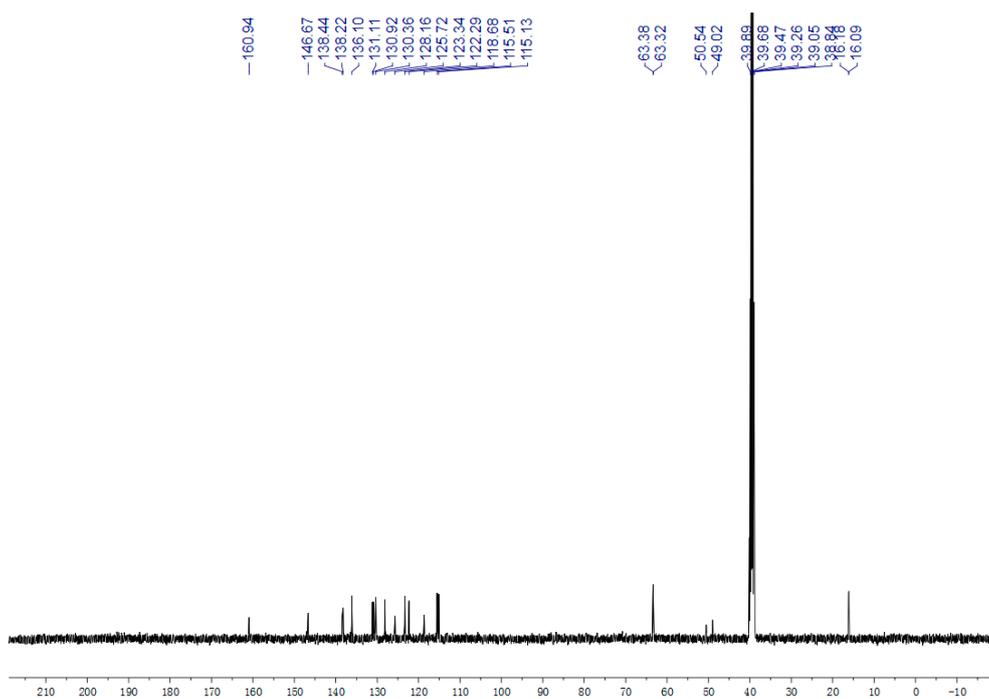


Figure S57. ¹³C-NMR of compound 4s.

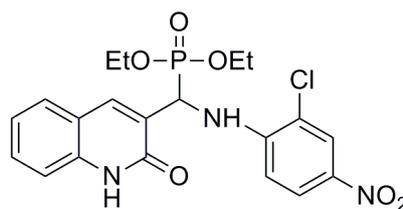


Figure S58. Chemical structure of compound 4t.

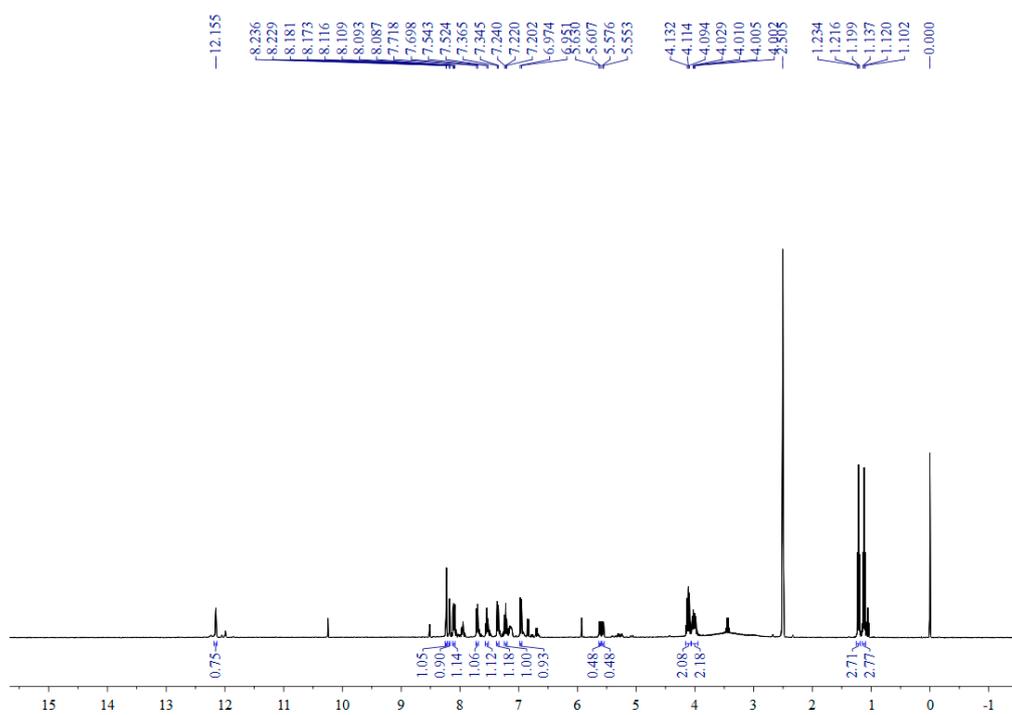


Figure S59. ¹H-NMR of compound 4t.

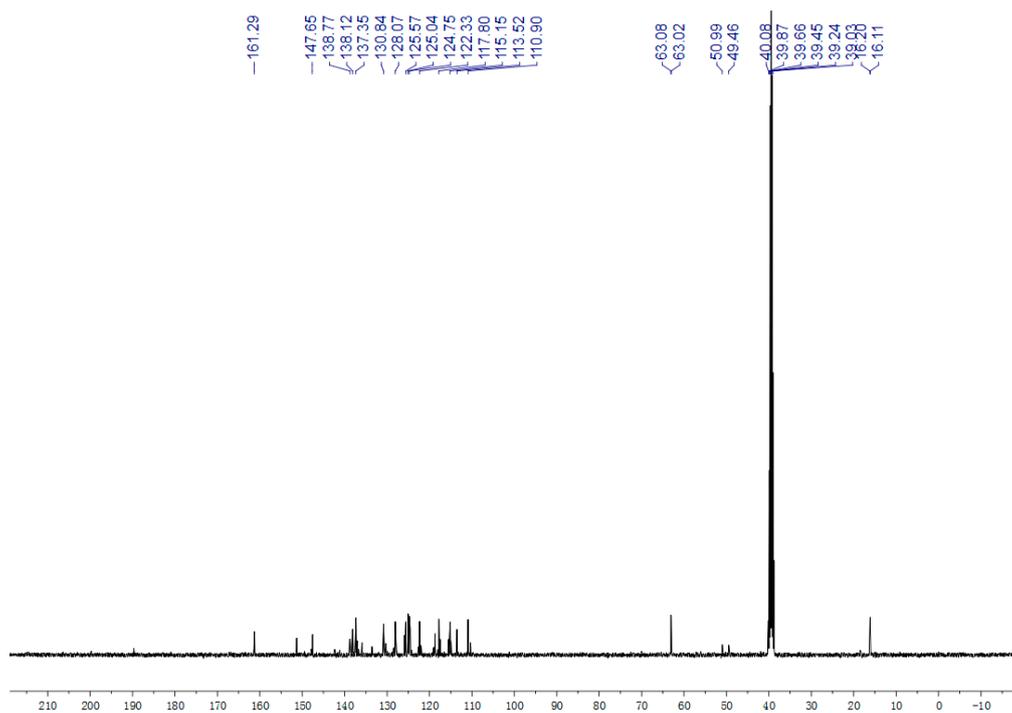
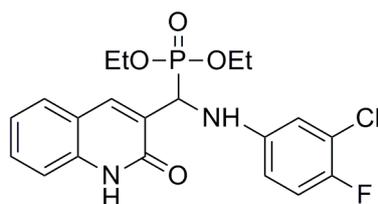
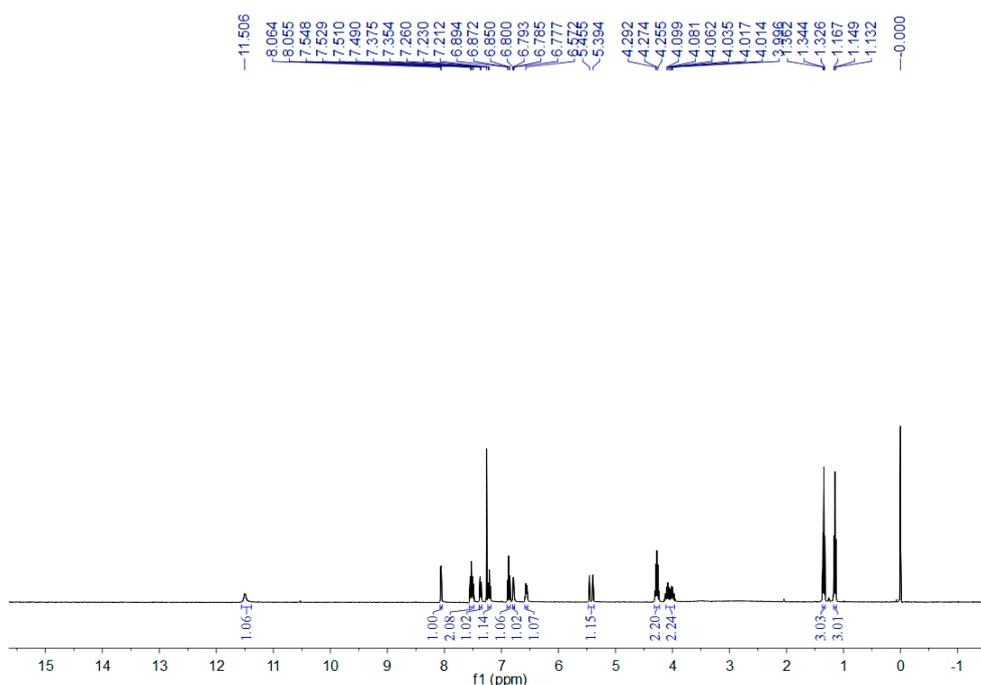
Figure S60. ^{13}C -NMR of compound 4t.

Figure S61. Chemical structure of compound 4u.

Figure S62. ^1H -NMR of compound 4u.

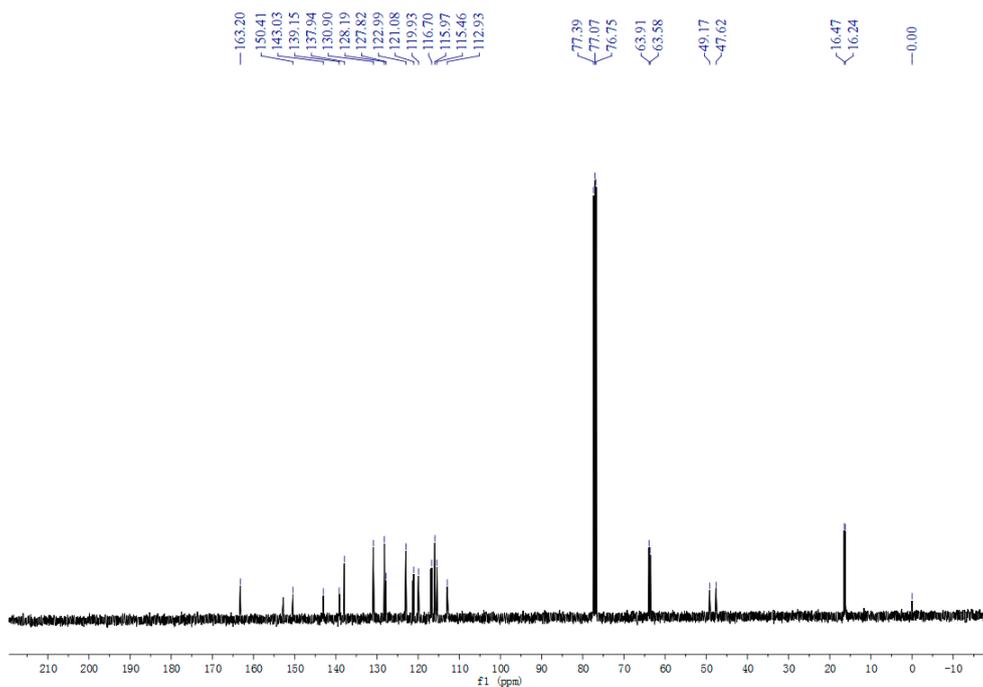


Figure S63. ¹³C-NMR of compound 4u.

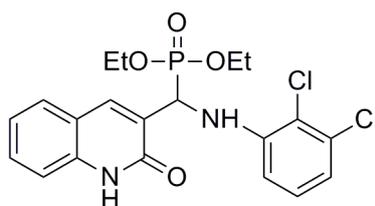


Figure S64. Chemical structure of compound 4v.

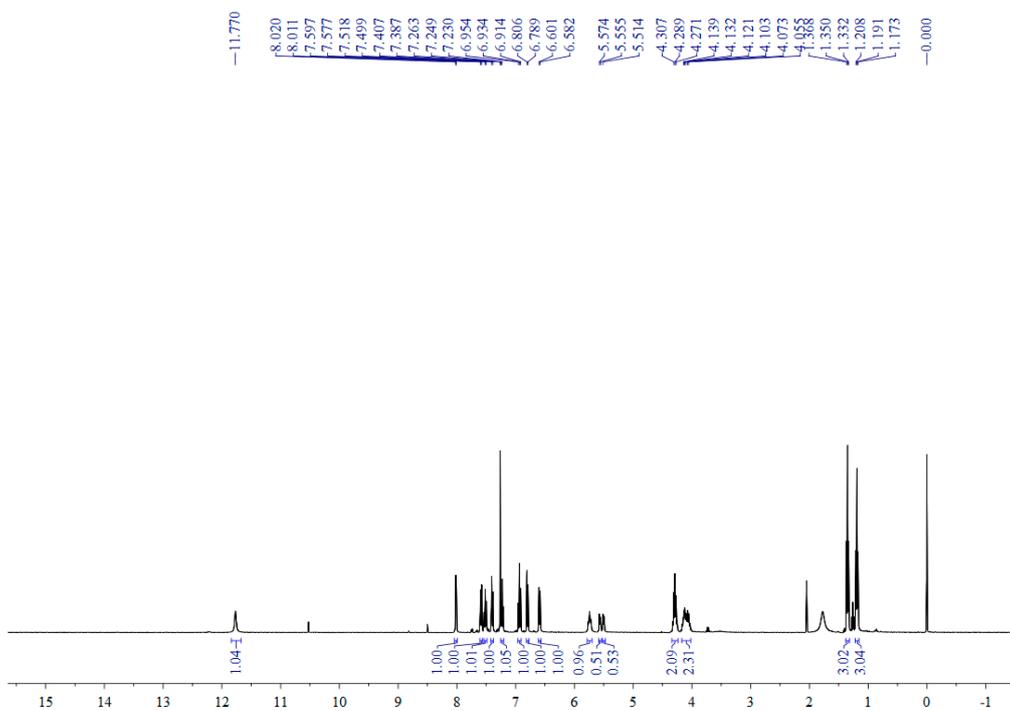


Figure S65. ¹H-NMR of compound 4v.

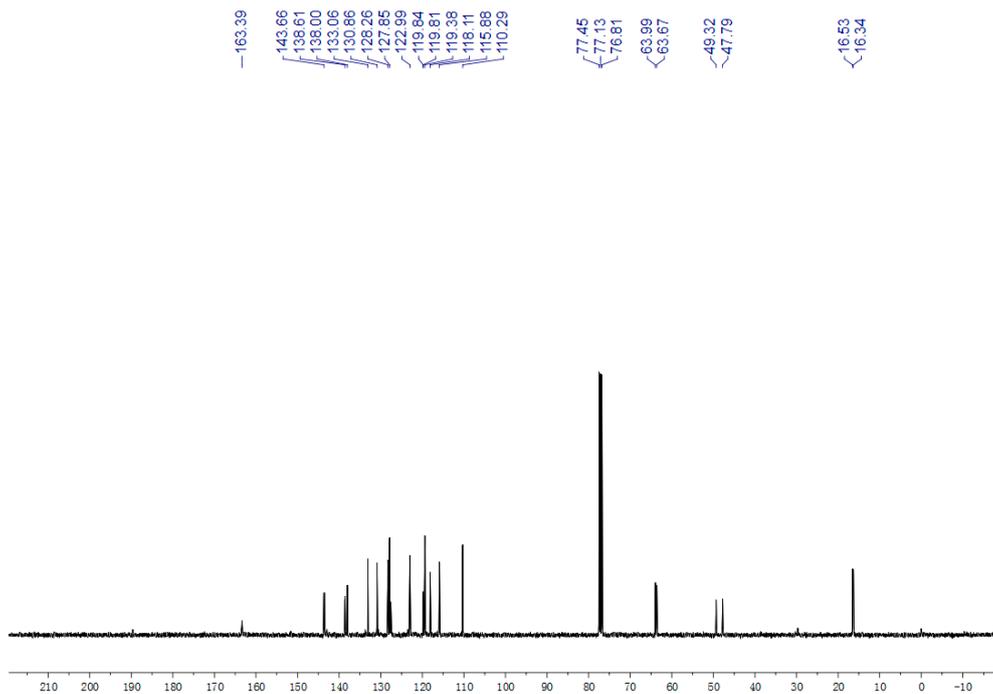


Figure S66. ¹³C-NMR of compound 4v.

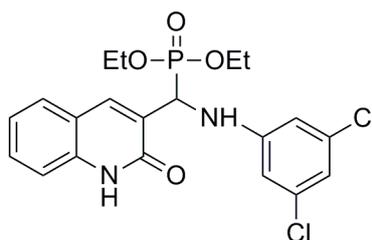


Figure S67. Chemical structure of compound 4w.

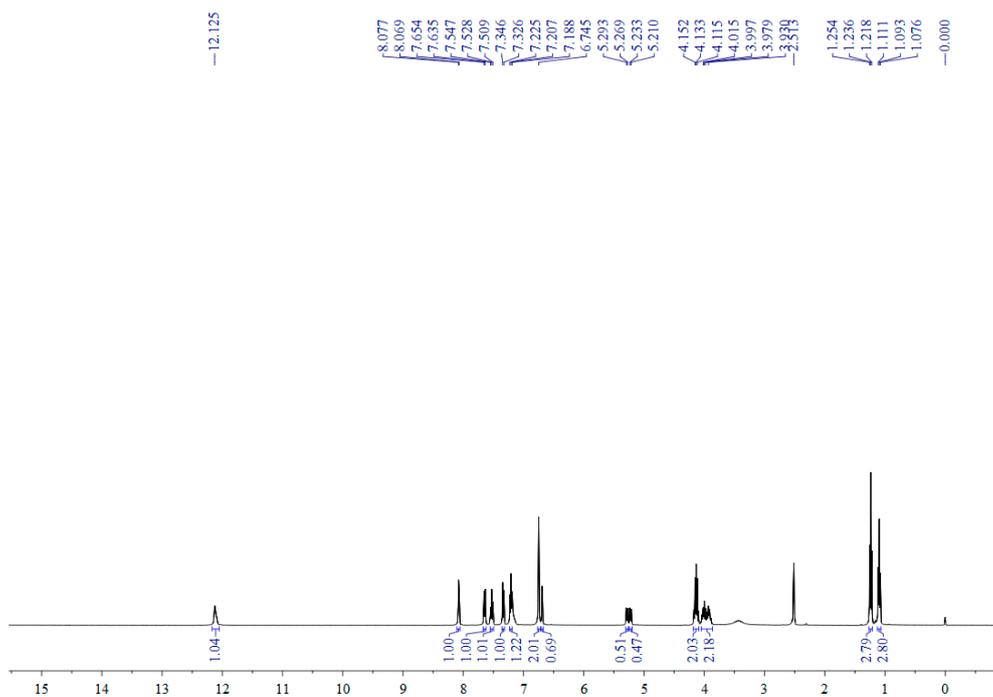


Figure S68. ¹H-NMR of compound 4w.

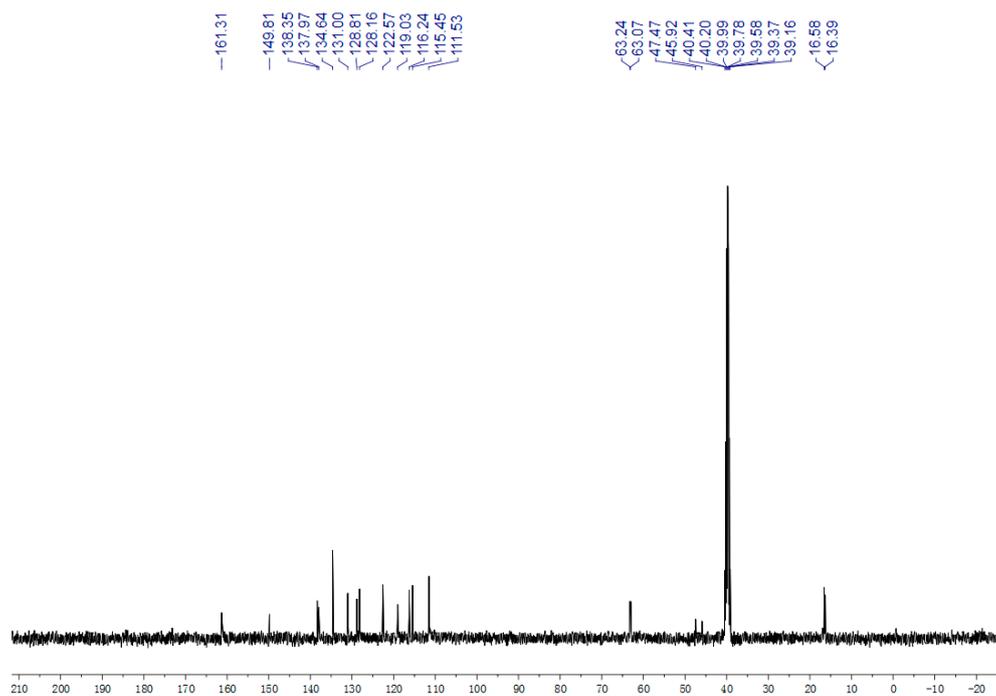


Figure S69. ¹³C-NMR of compound 4w.

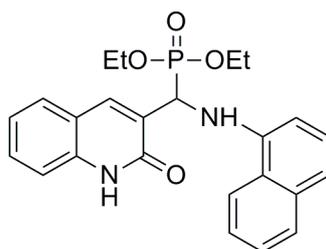


Figure S70. Chemical structure of compound 4x.

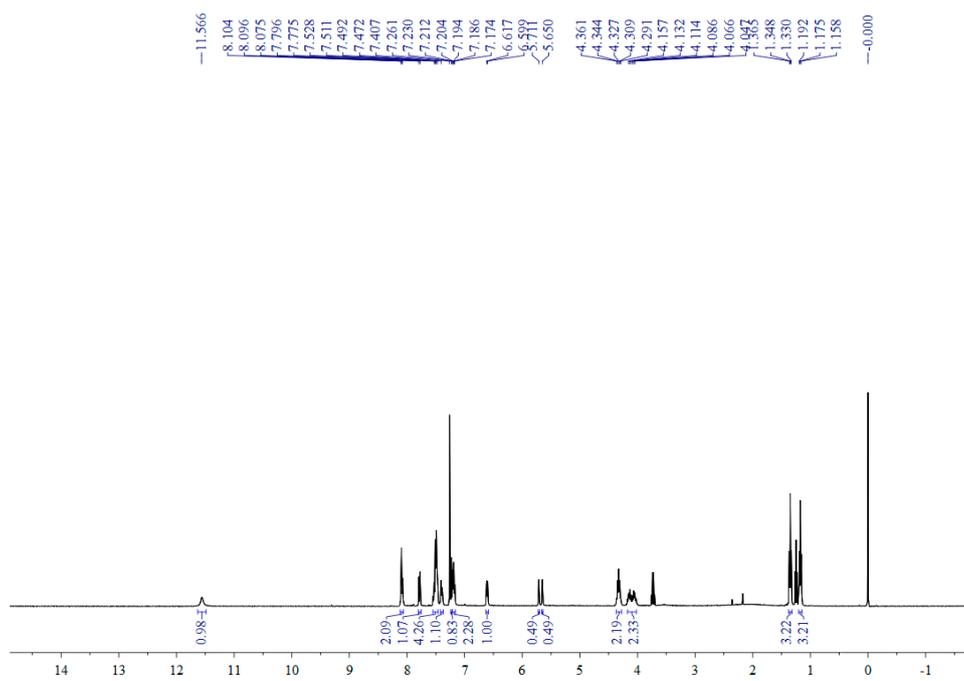


Figure S71. ¹H-NMR of compound 4x.

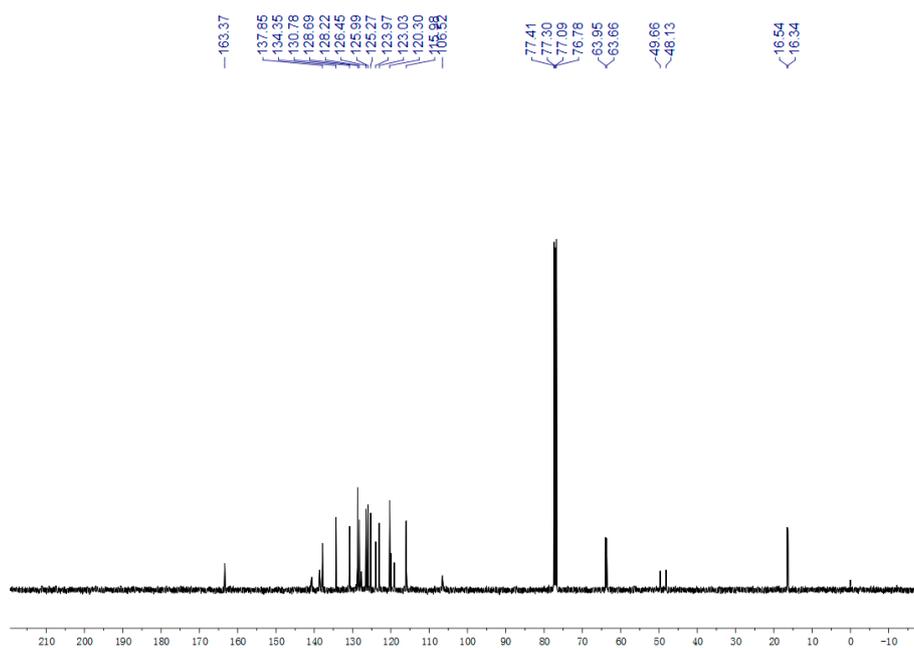


Figure S72. ^{13}C -NMR of compound 4x.



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