

Supplementary Material

A rapid, efficient and versatile green synthesis of diindolylmethanes

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Figure S1. ¹H NMR spectrum of compound 8a

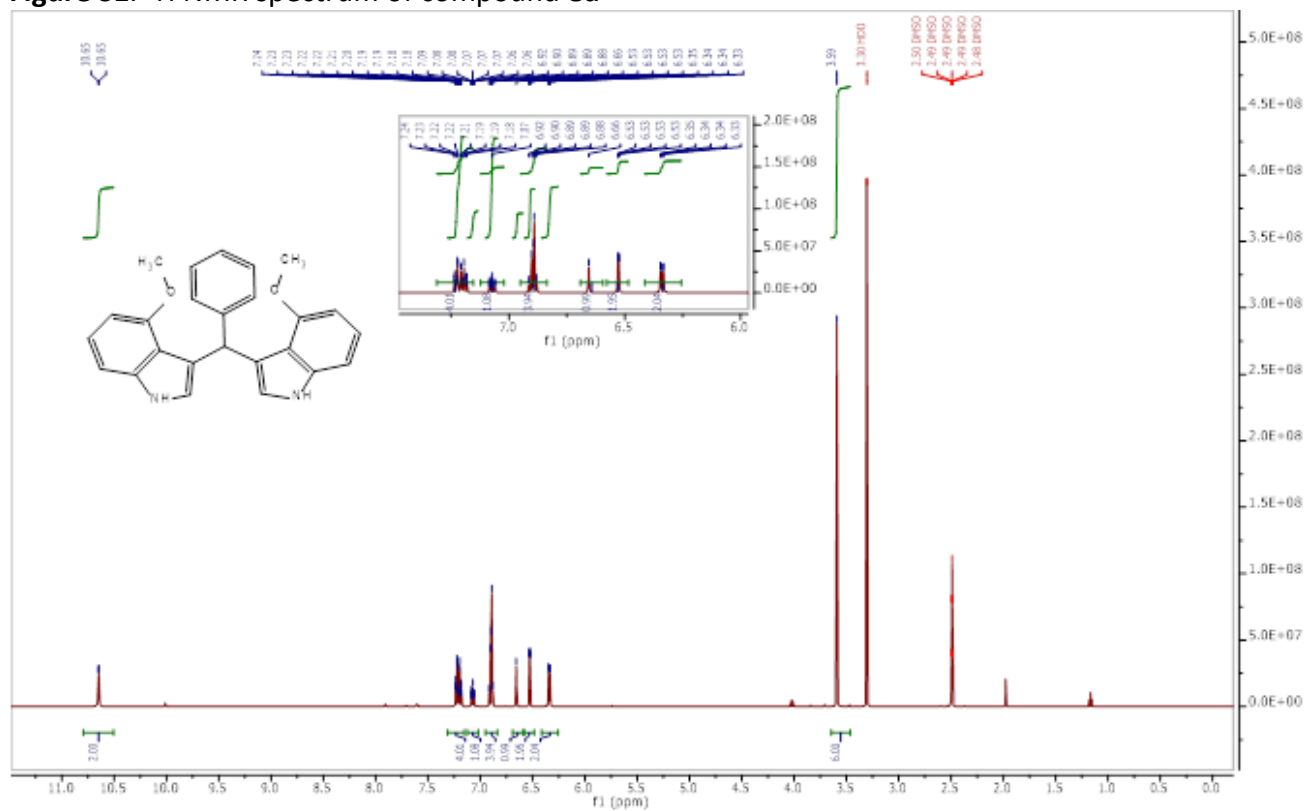


Figure S2.

¹³C NMR spectrum of compound 8a

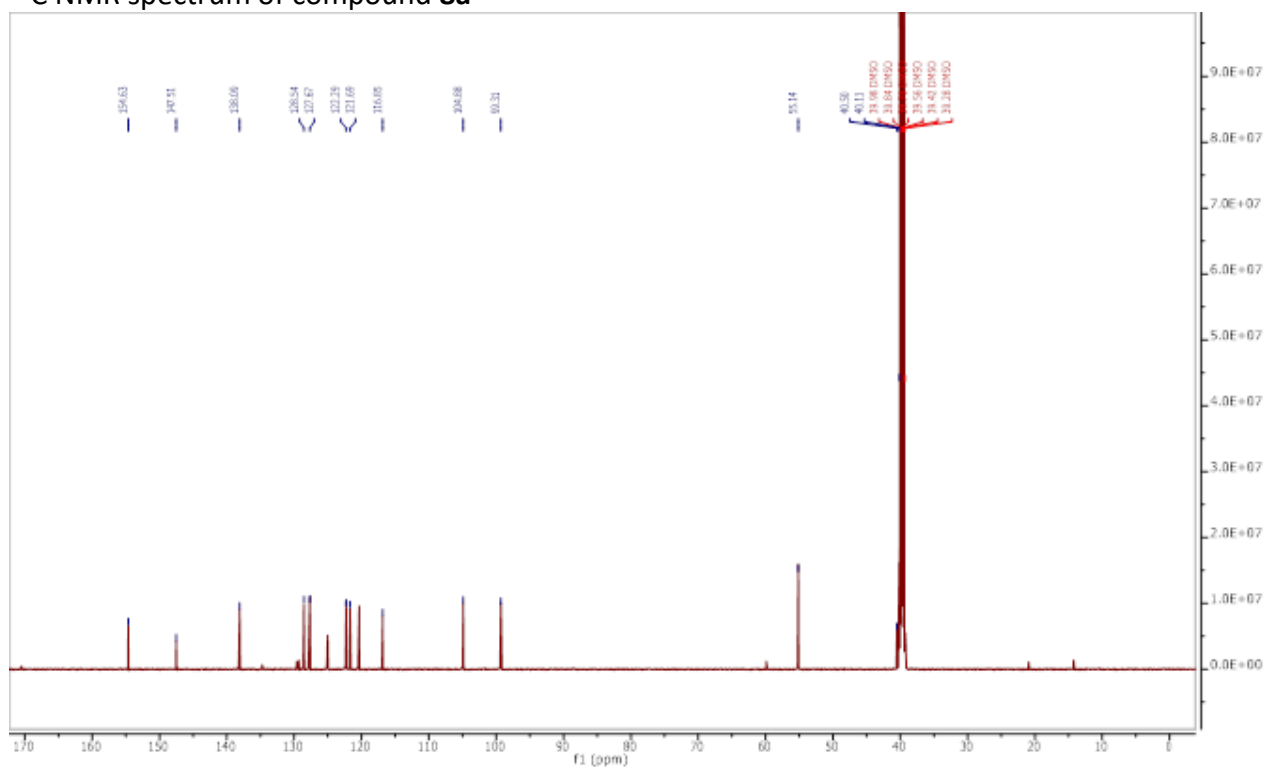


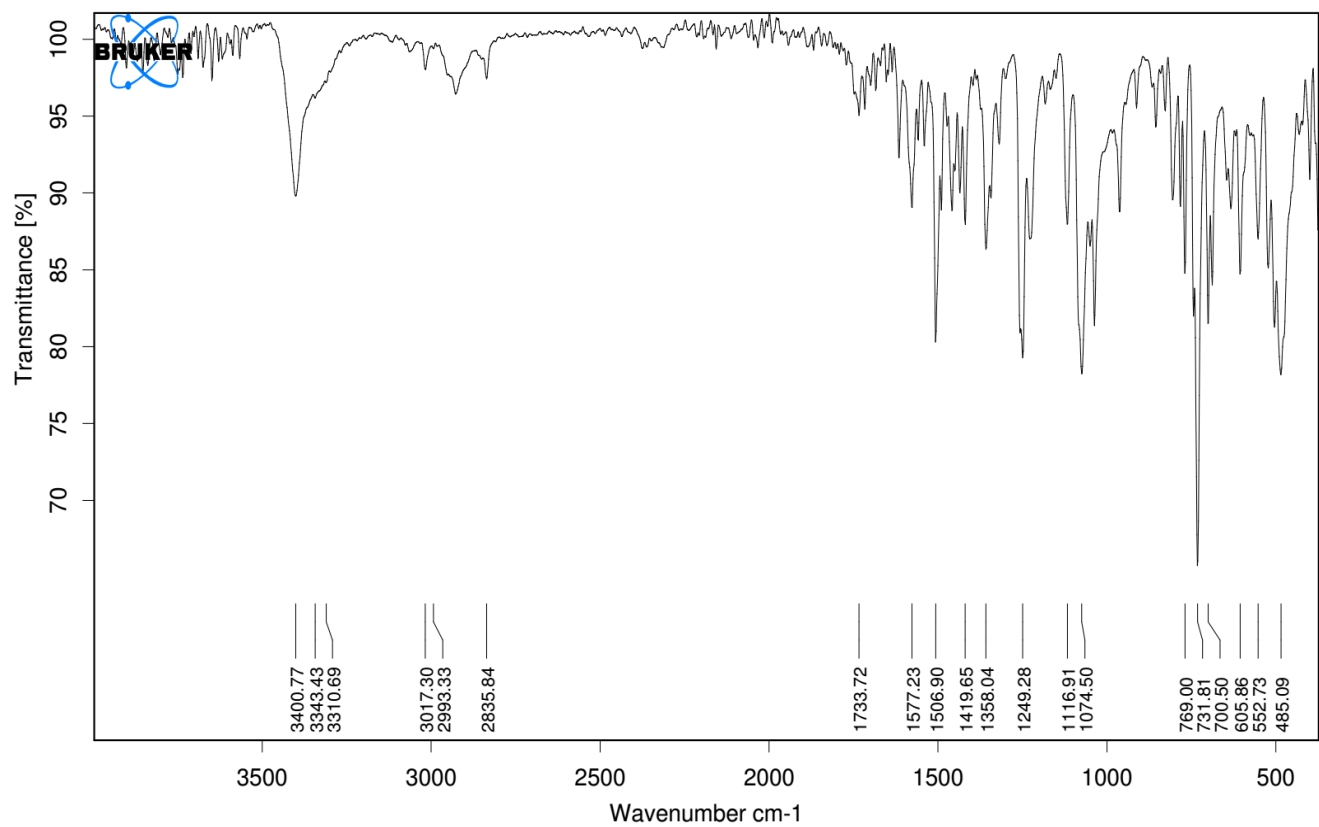
Figure S3. IR spectrum of compound **8a**

Figure S4. HRMS spectrum of compound 8a

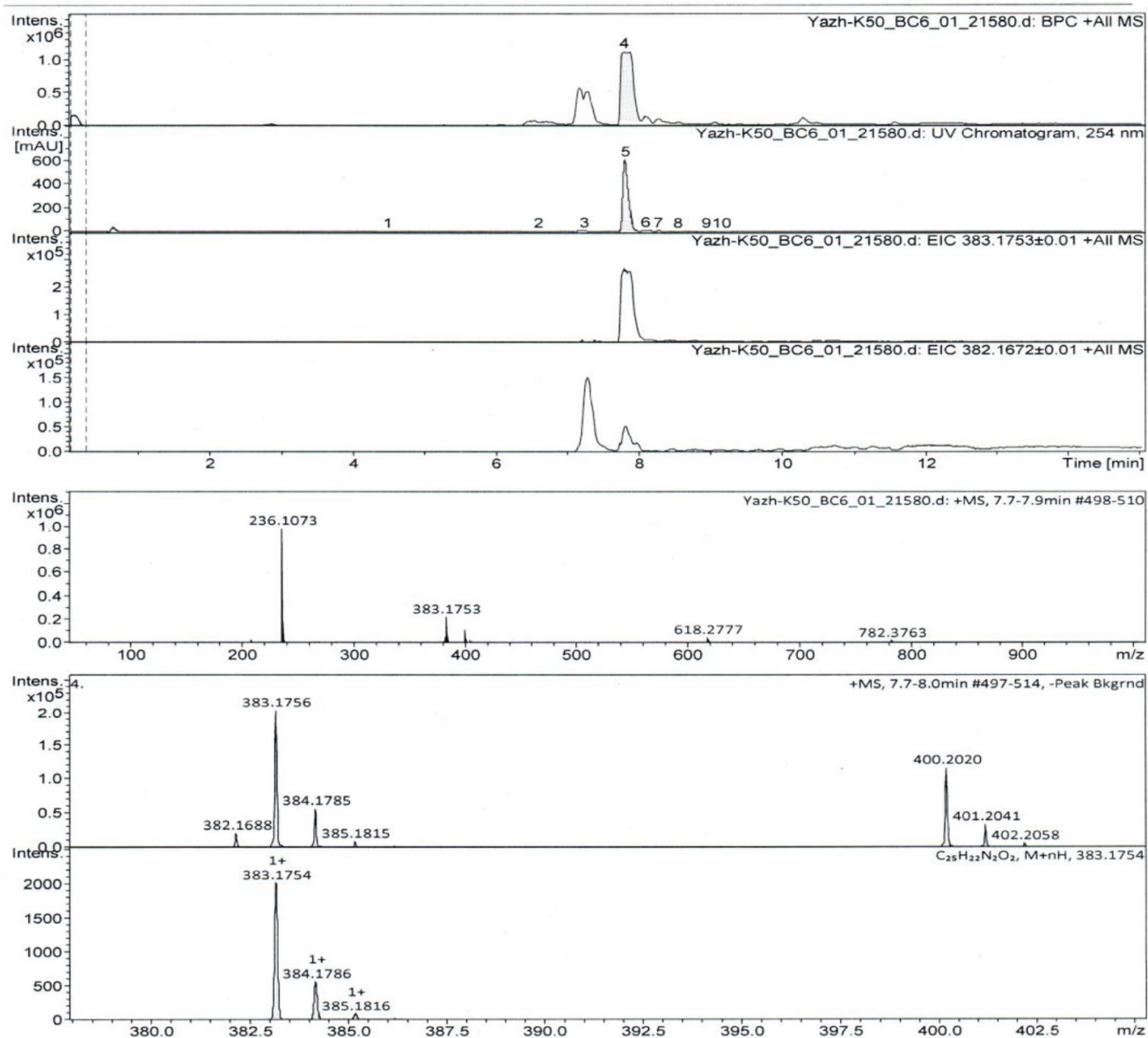


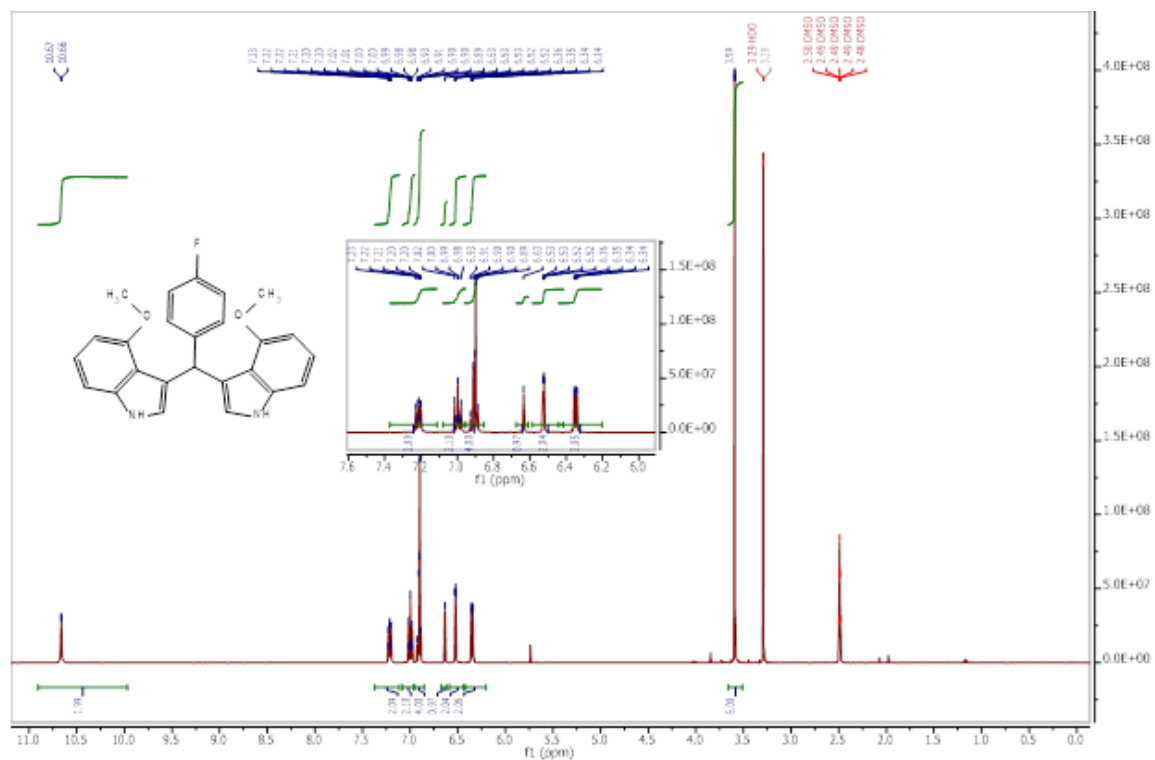
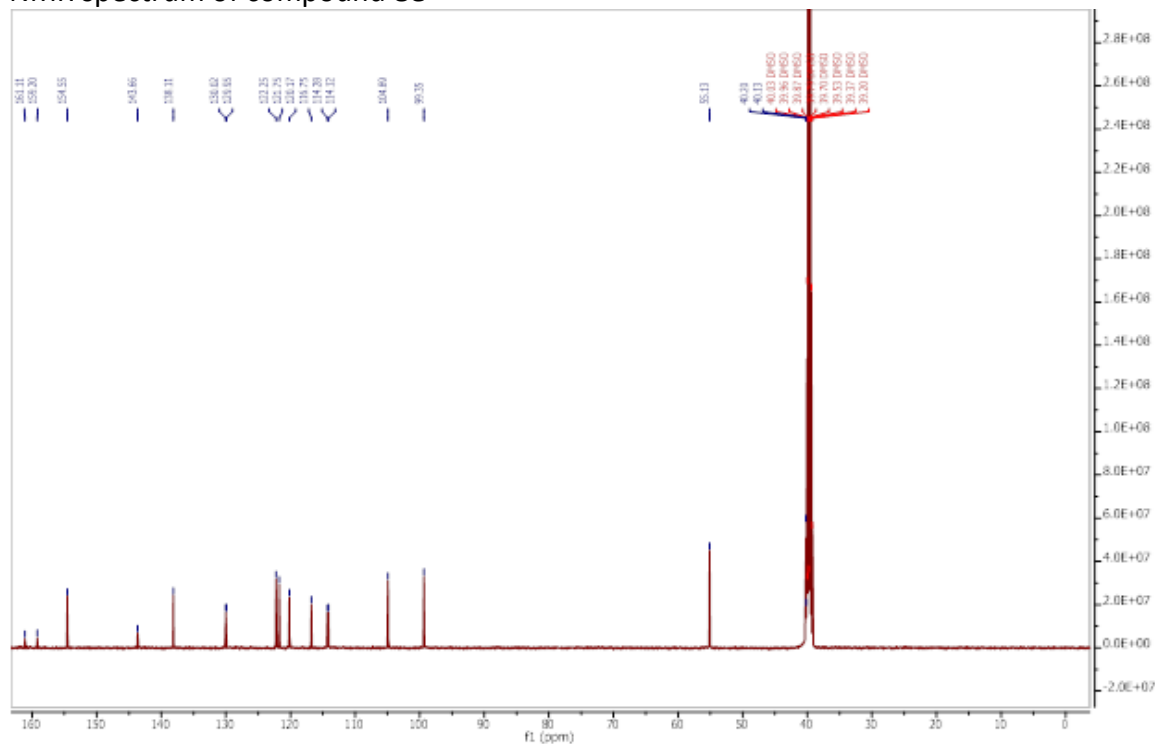
Figure S5. ^1H NMR spectrum of compound **8e**Figure S6. ^{13}C NMR spectrum of compound **8e**

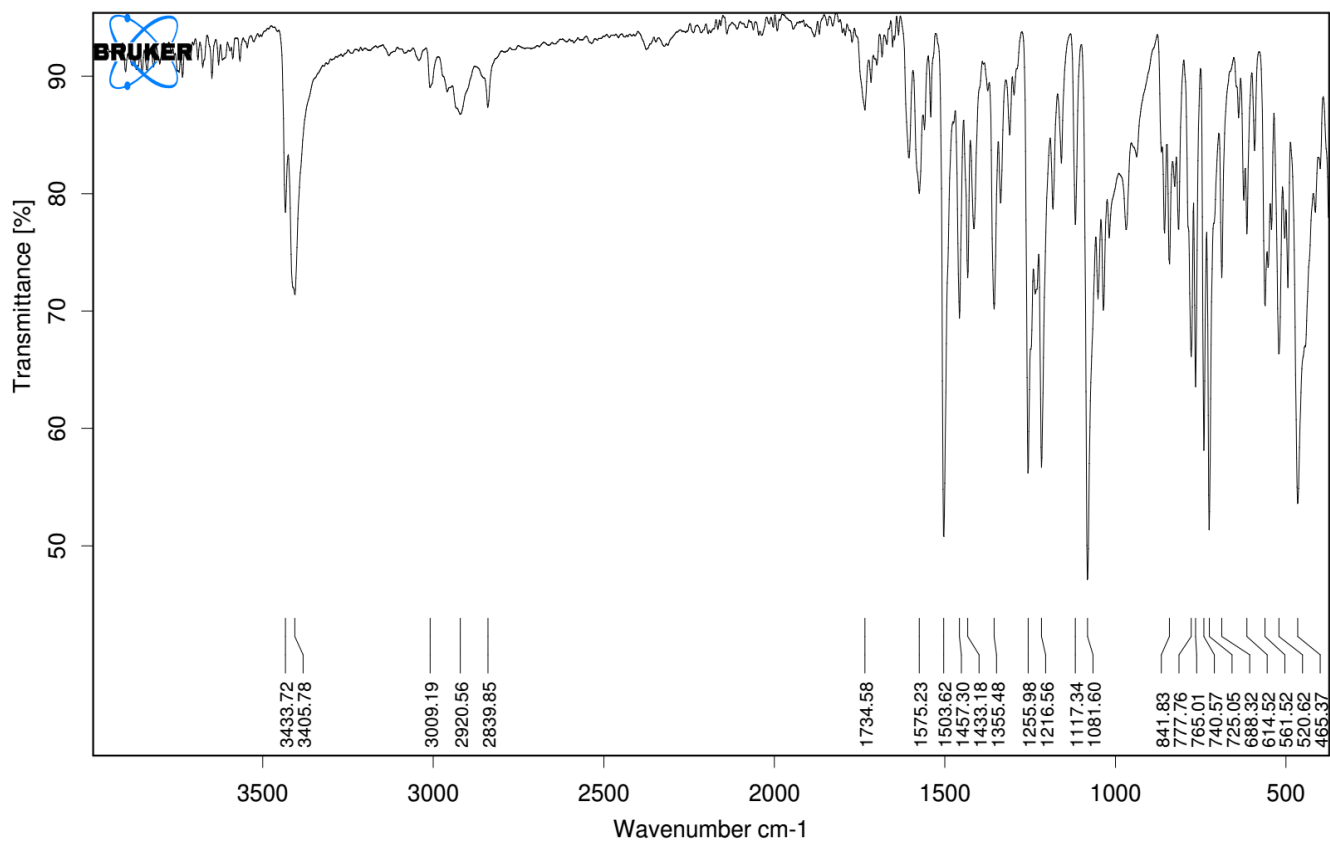
Figure S7. IR spectrum of compound **8e**

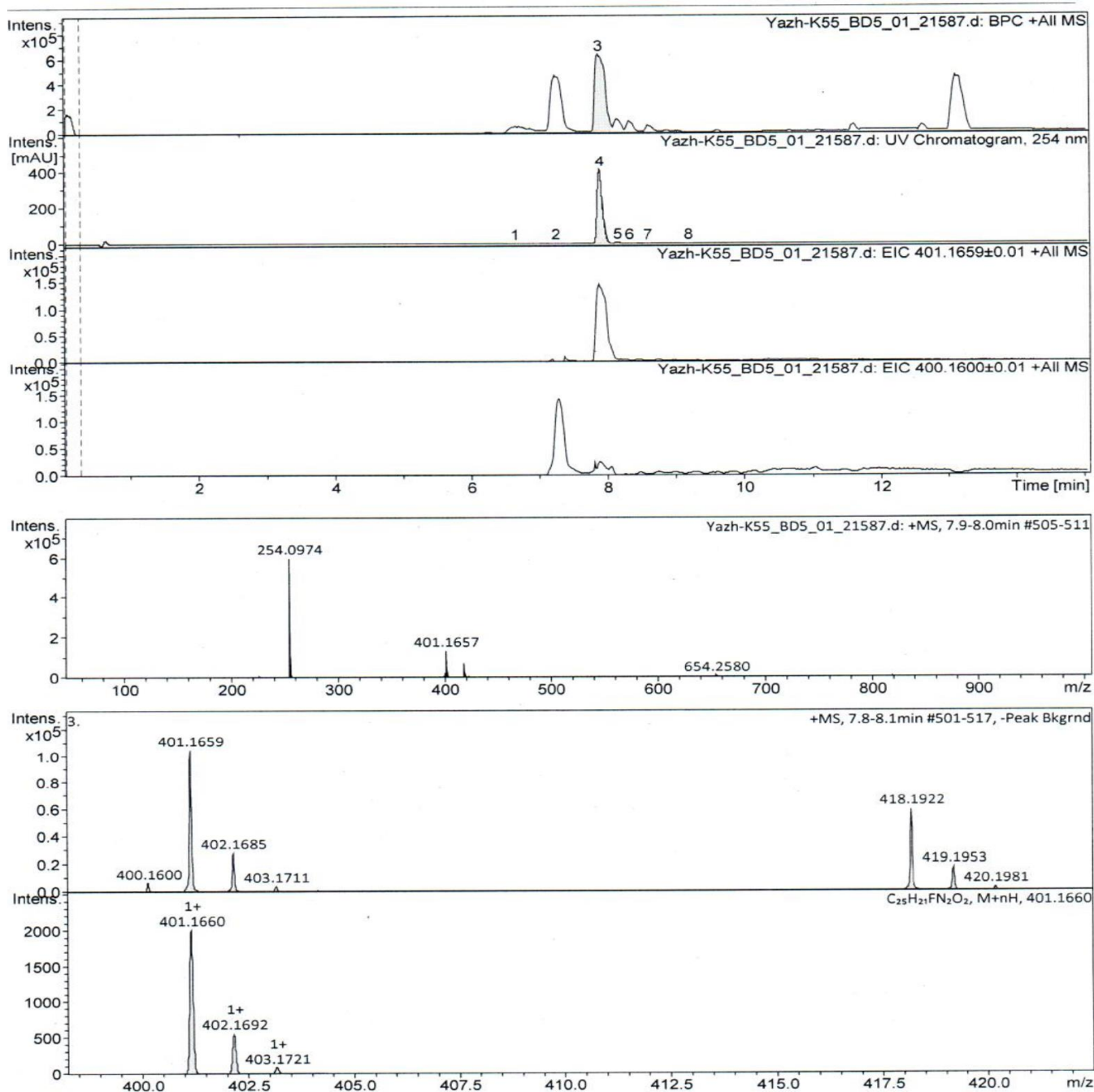
Figure S8. HRMS spectrum of compound **8e**

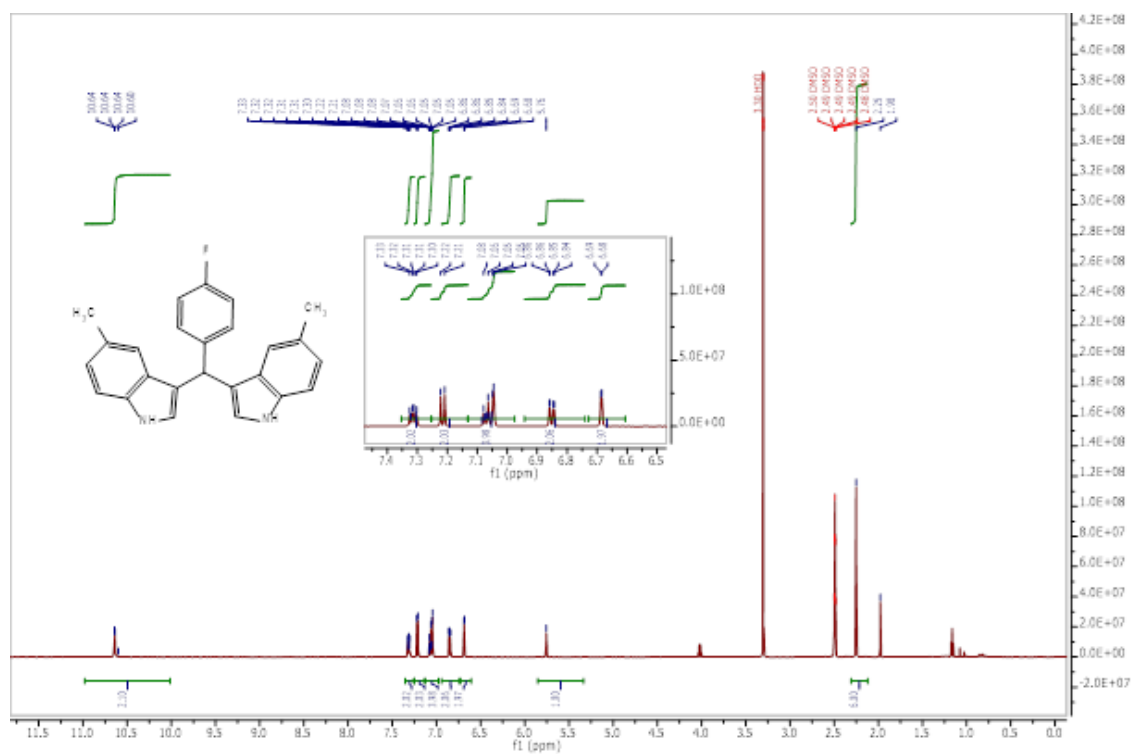
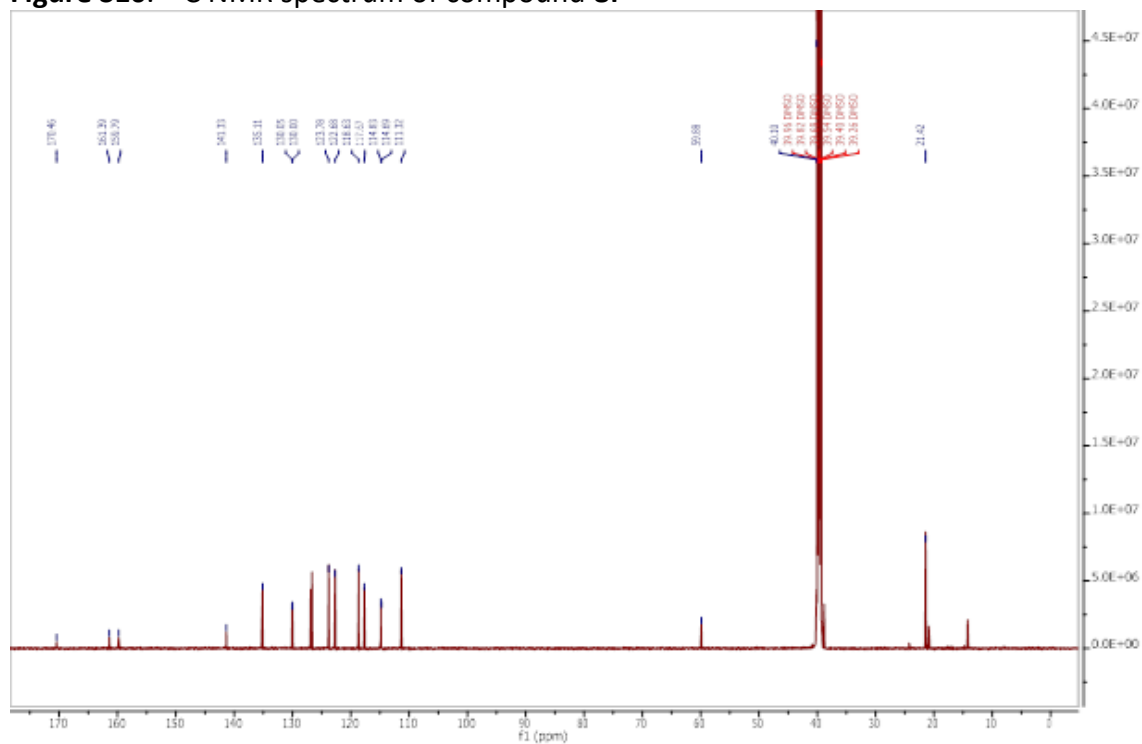
Figure S9. ^1H NMR spectrum of compound **8f**Figure S10. ^{13}C NMR spectrum of compound **8f**

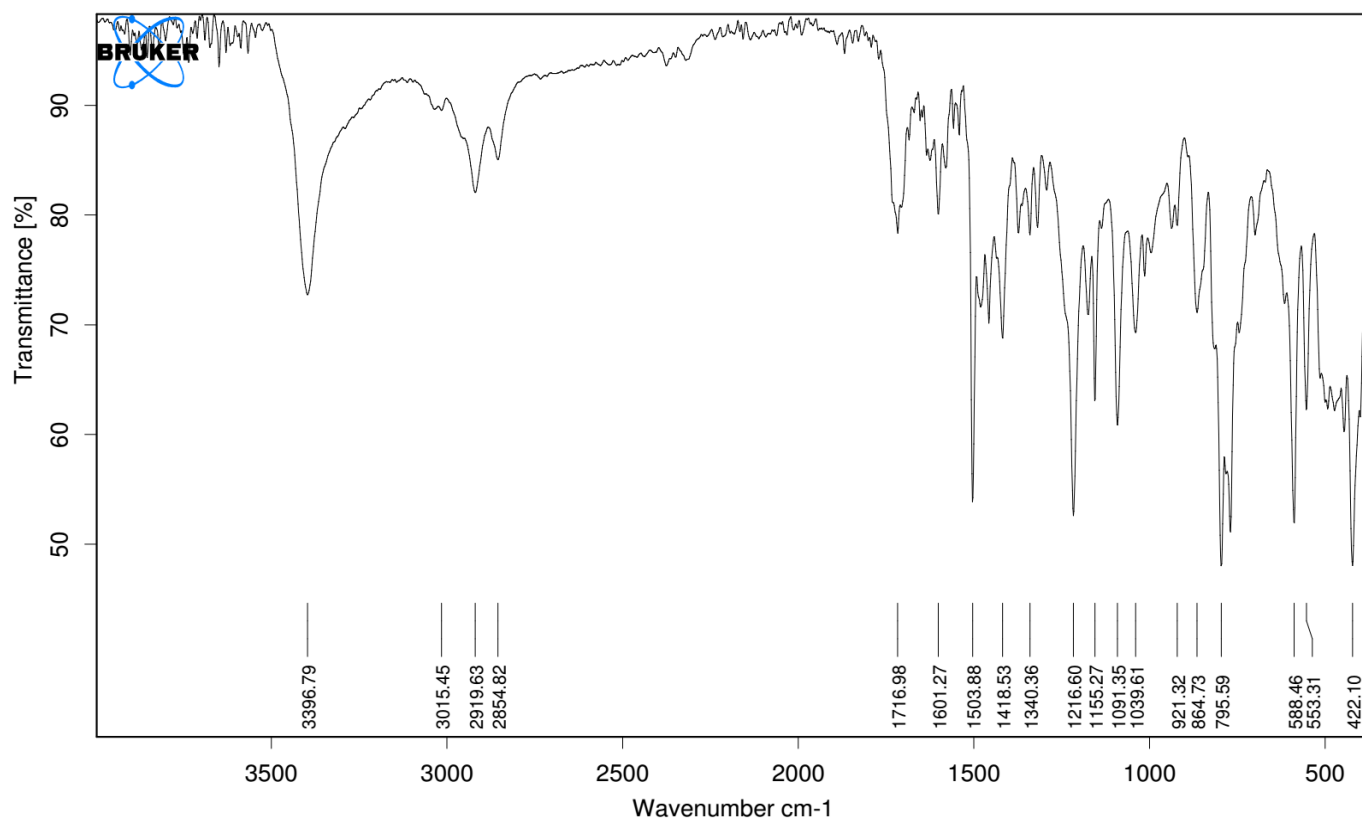
Figure S11. IR spectrum of compound **8f**

Figure 12. HRMS spectrum of compound 8f

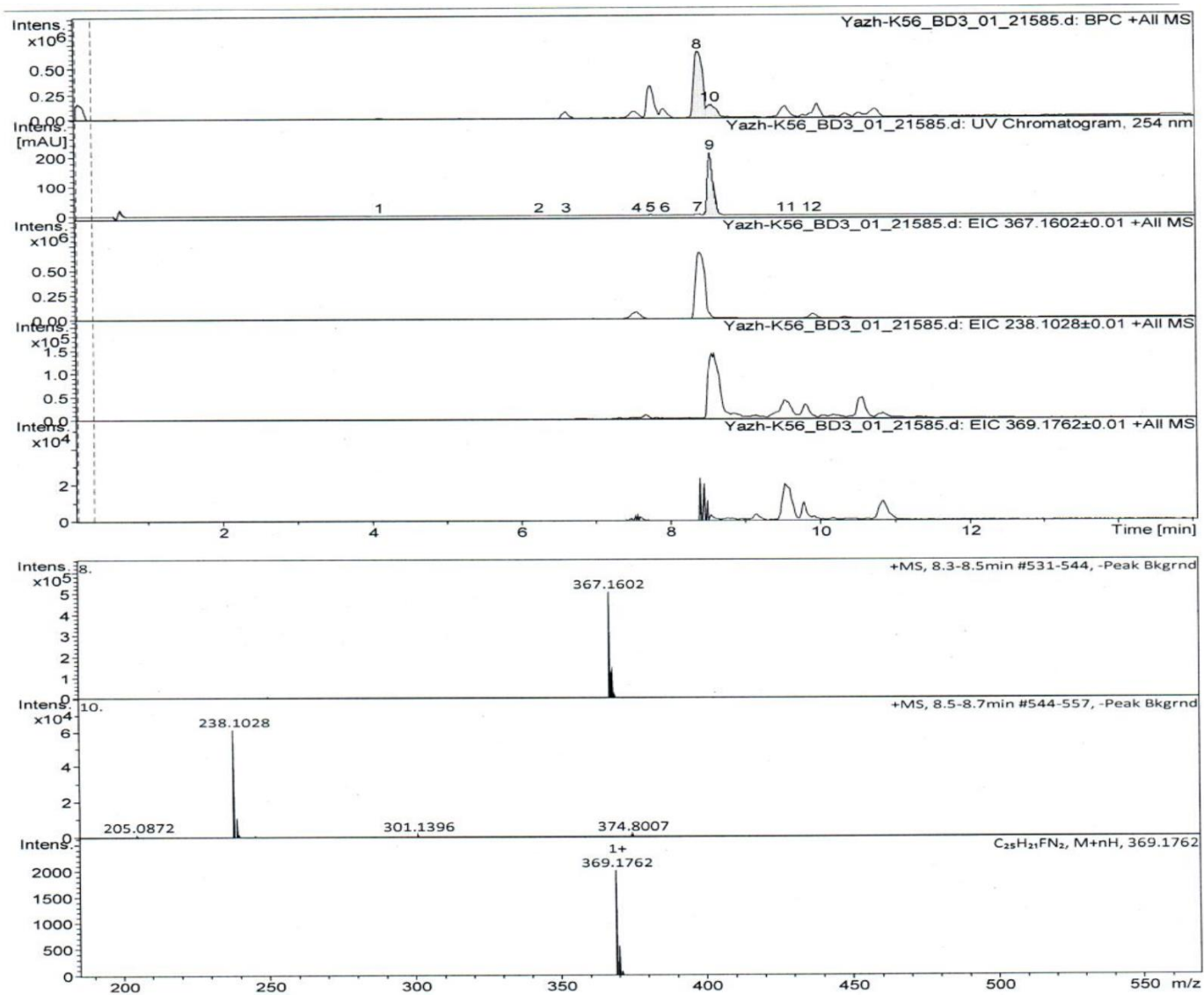


Figure S13. ¹H NMR spectrum of compound 8g

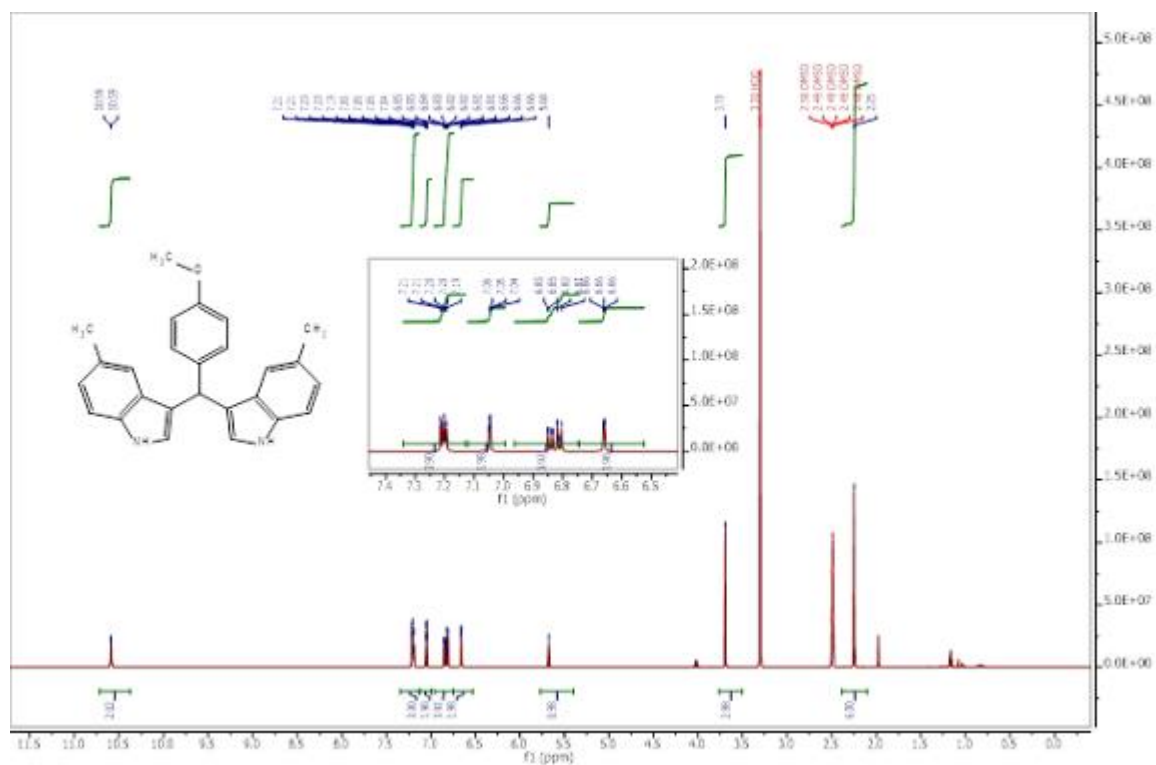


Figure S14. ¹³C NMR spectrum of compound 8g

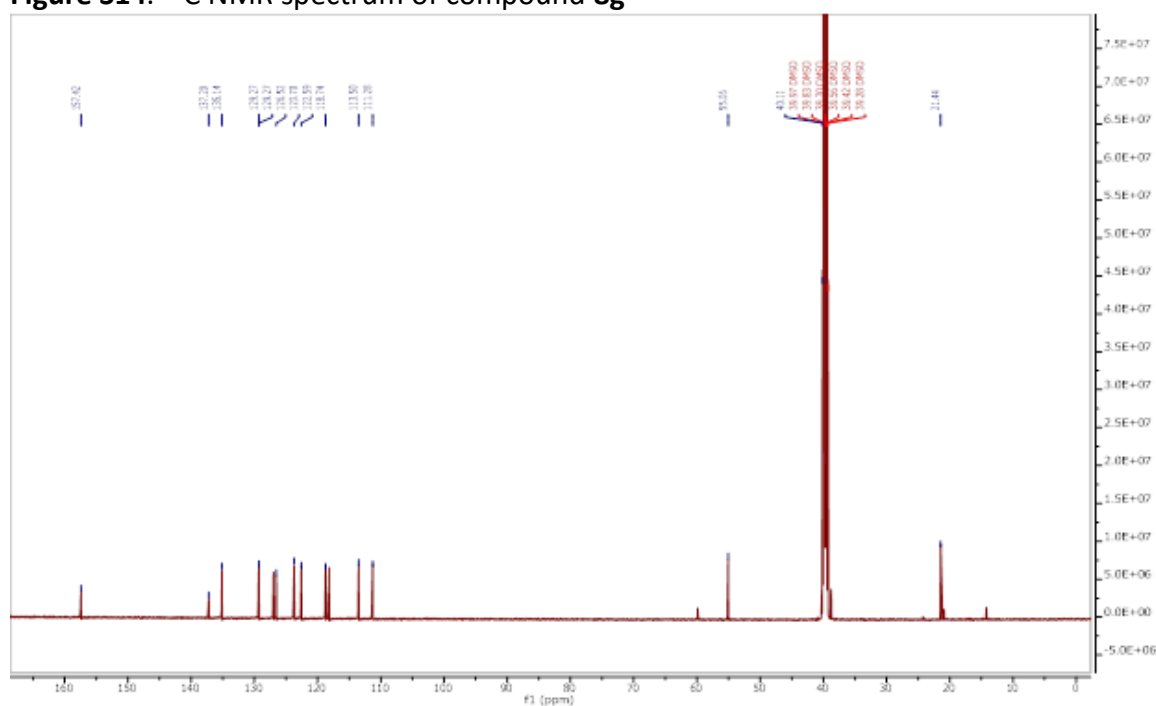


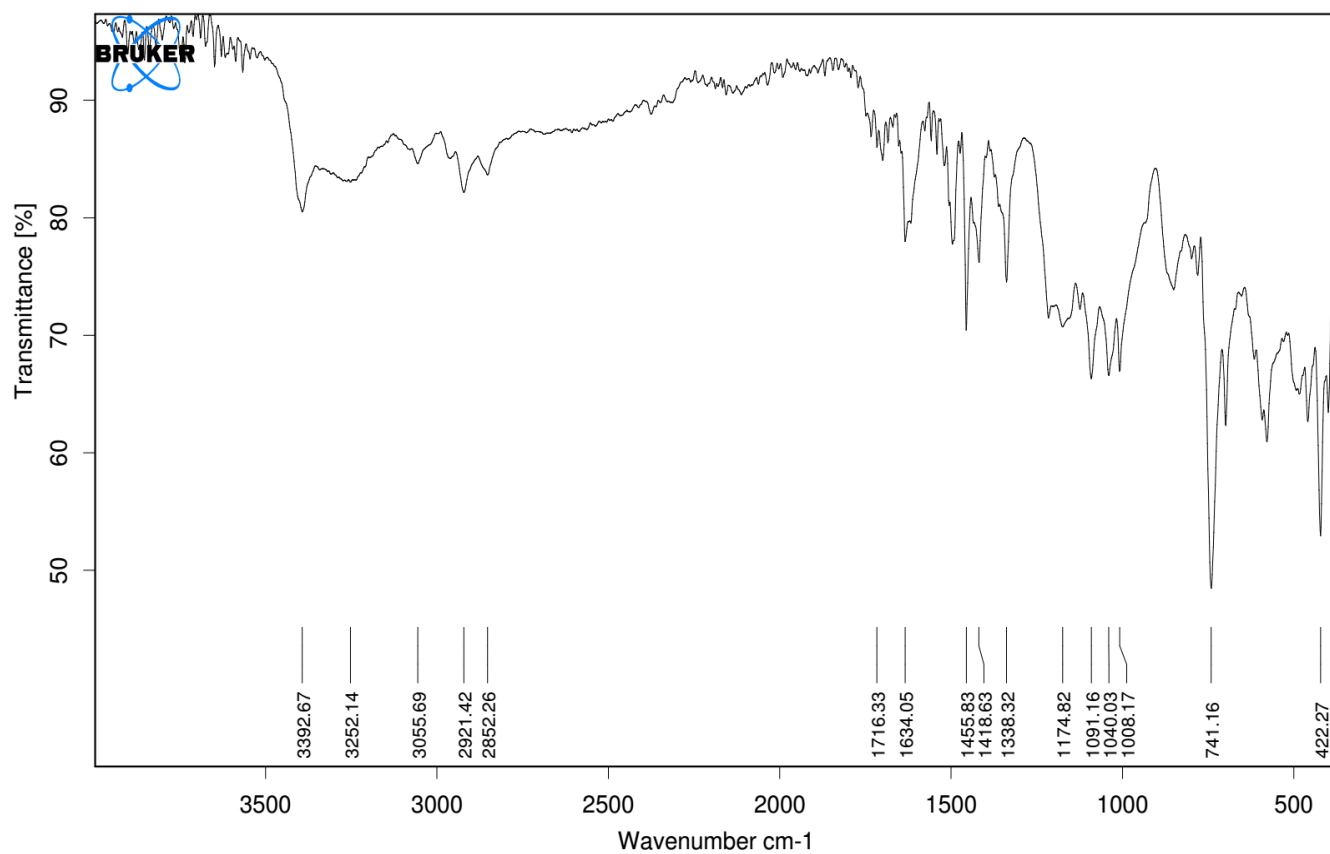
Figure S15. IR spectrum of compound **8g**

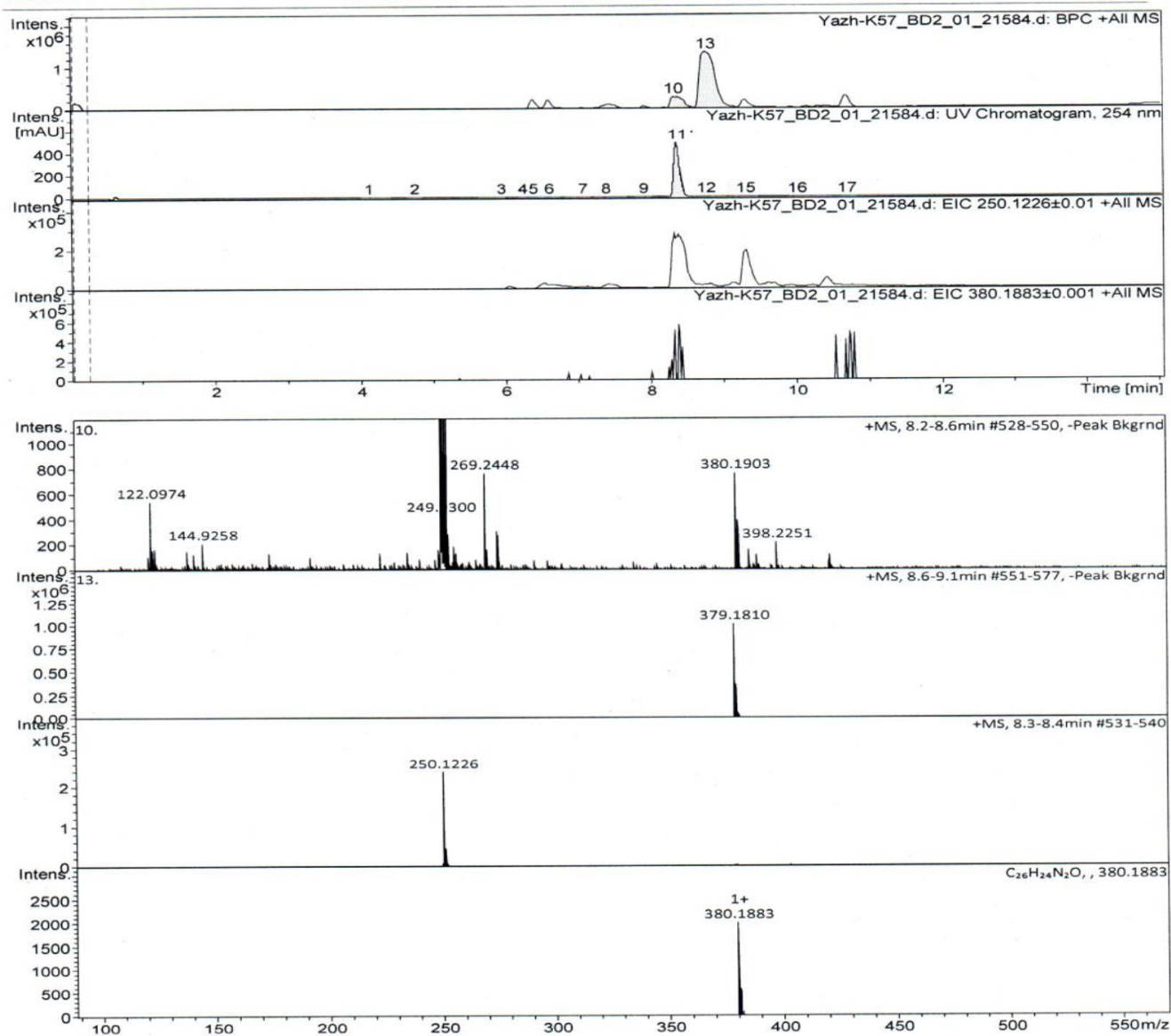
Figure S16. HRMS spectrum of compound **8g**

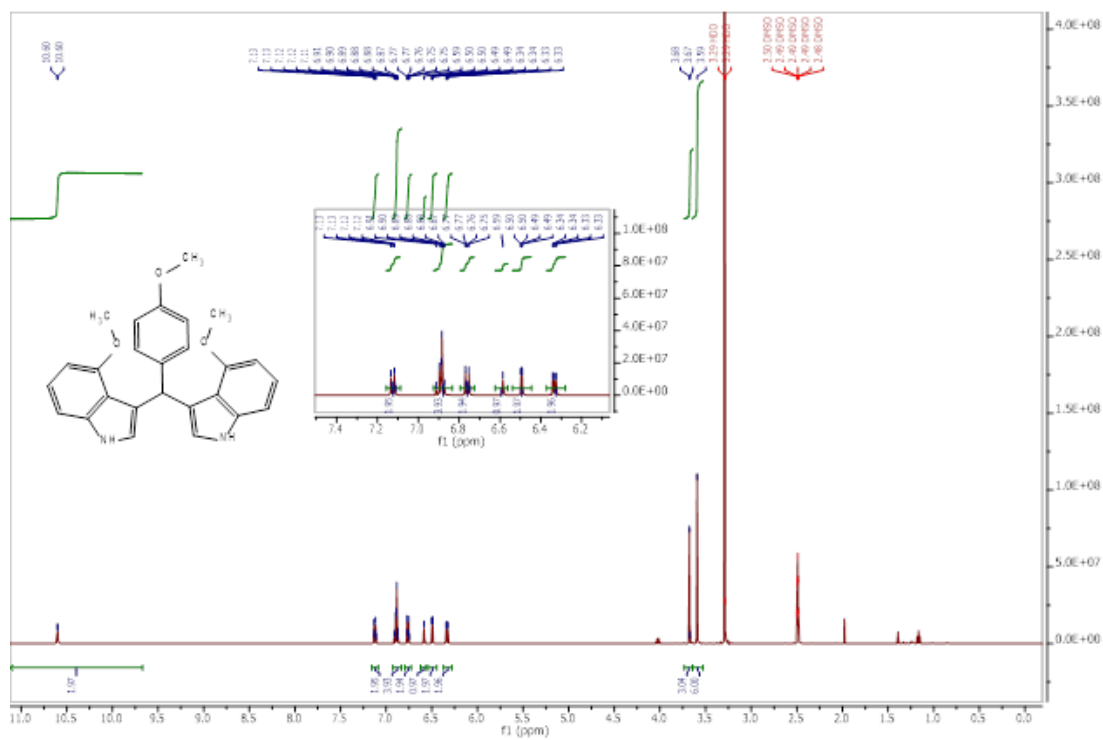
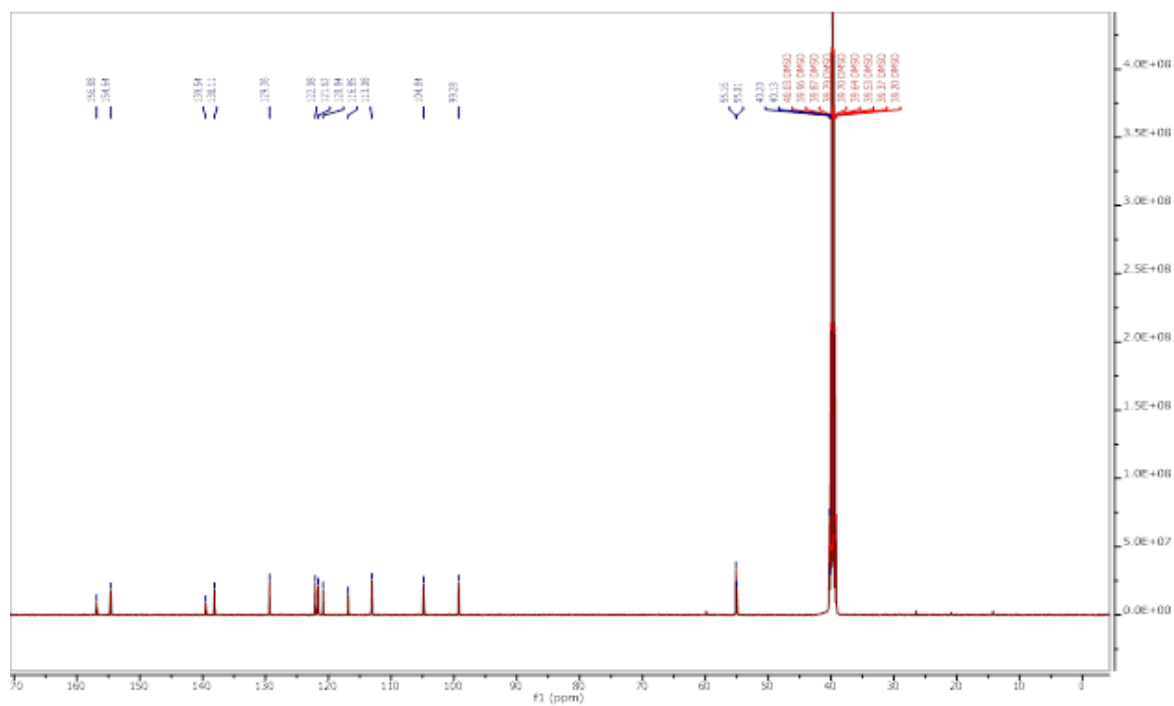
Figure S17. ^1H NMR spectrum of compound 8hFigure S18. ^{13}C NMR spectrum of compound 8h

Figure S19. IR spectrum of compound 8h

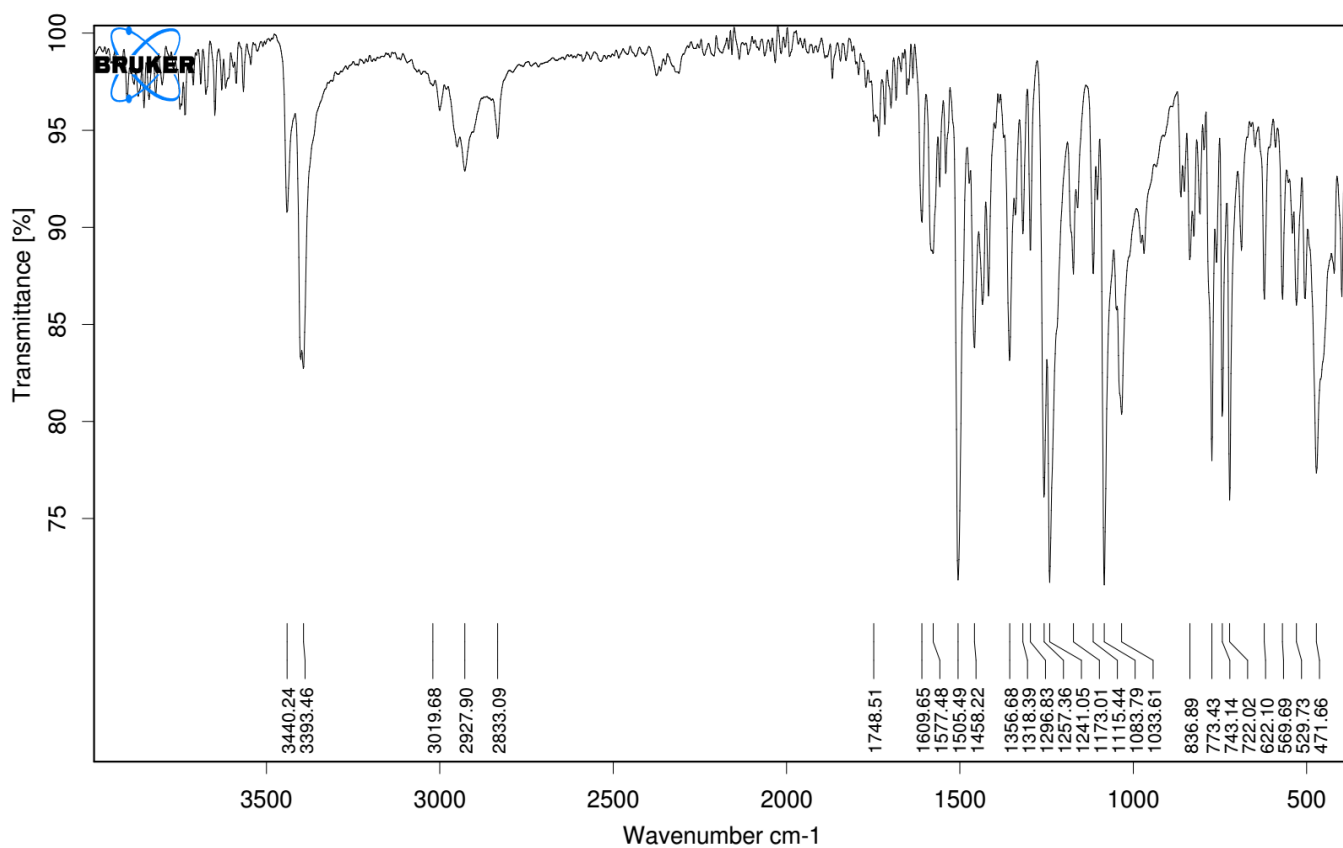


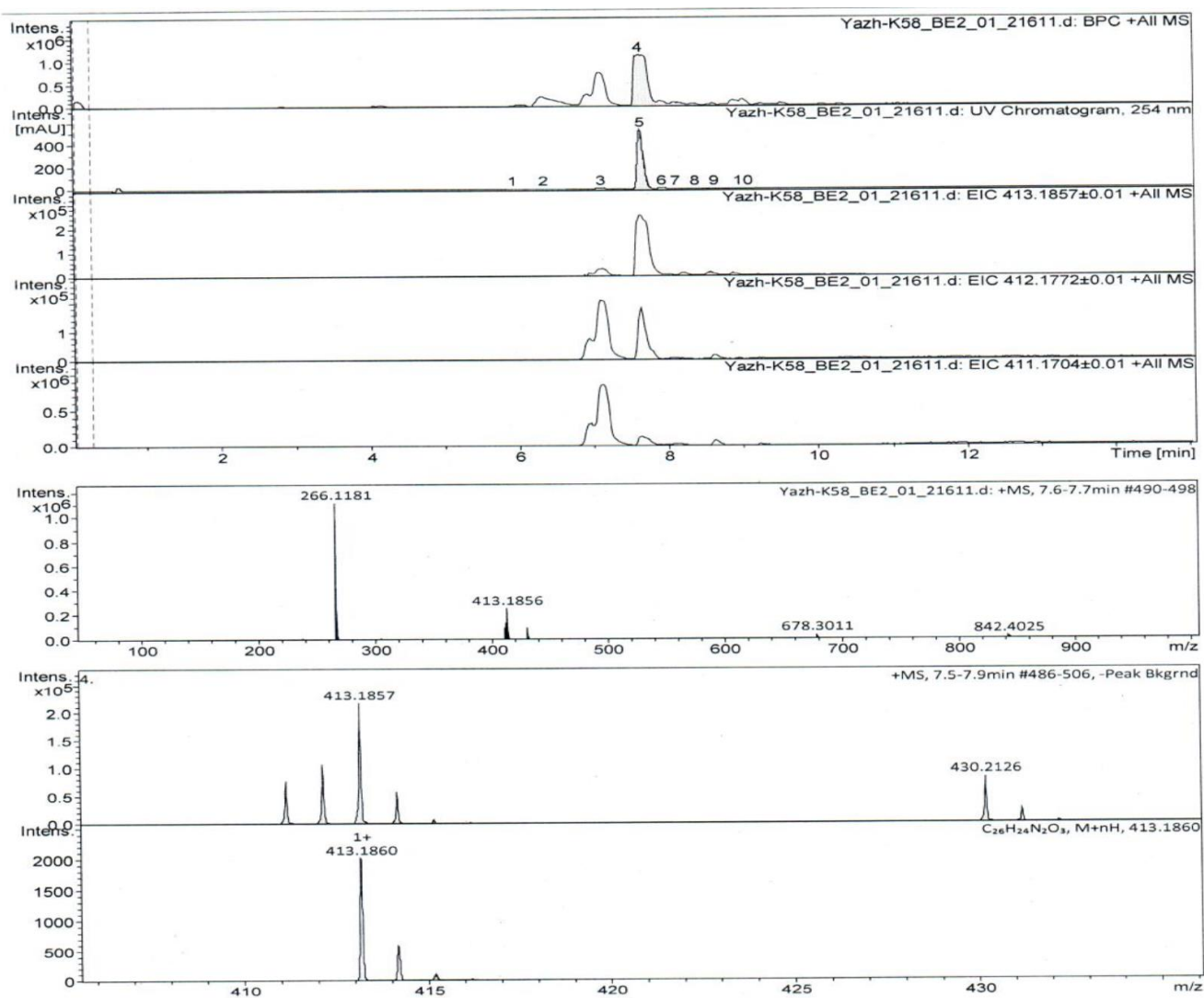
Figure S20. HRMS spectrum of compound **8h**

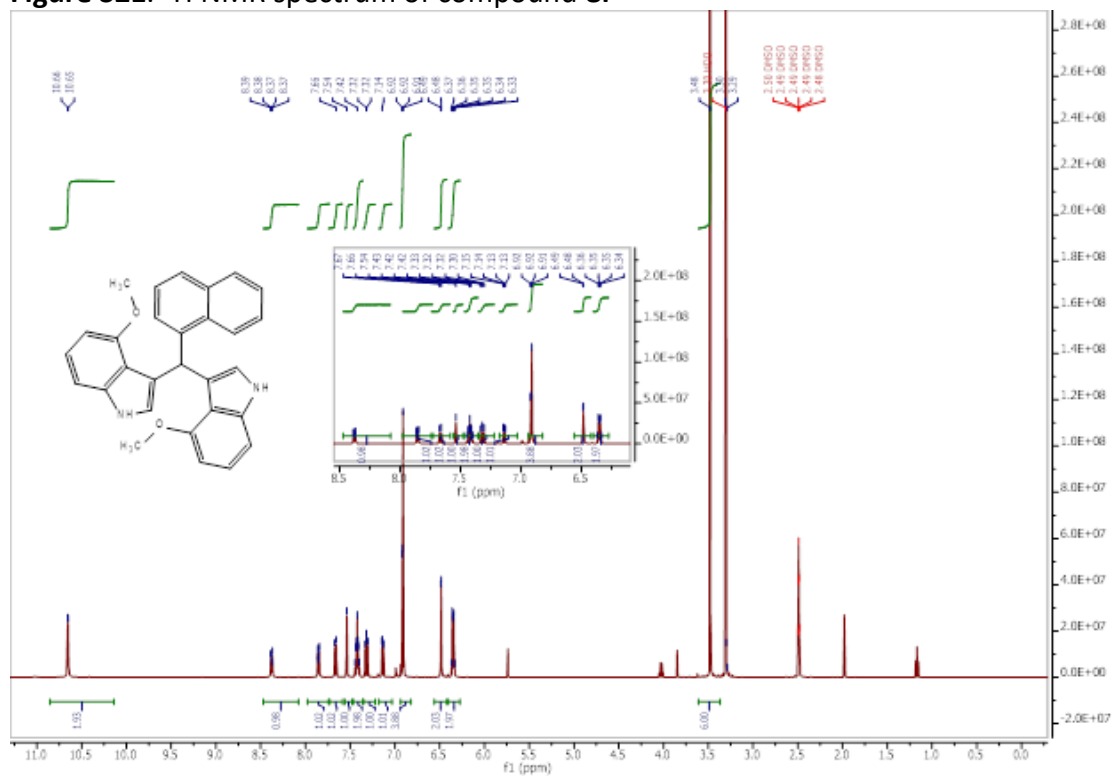
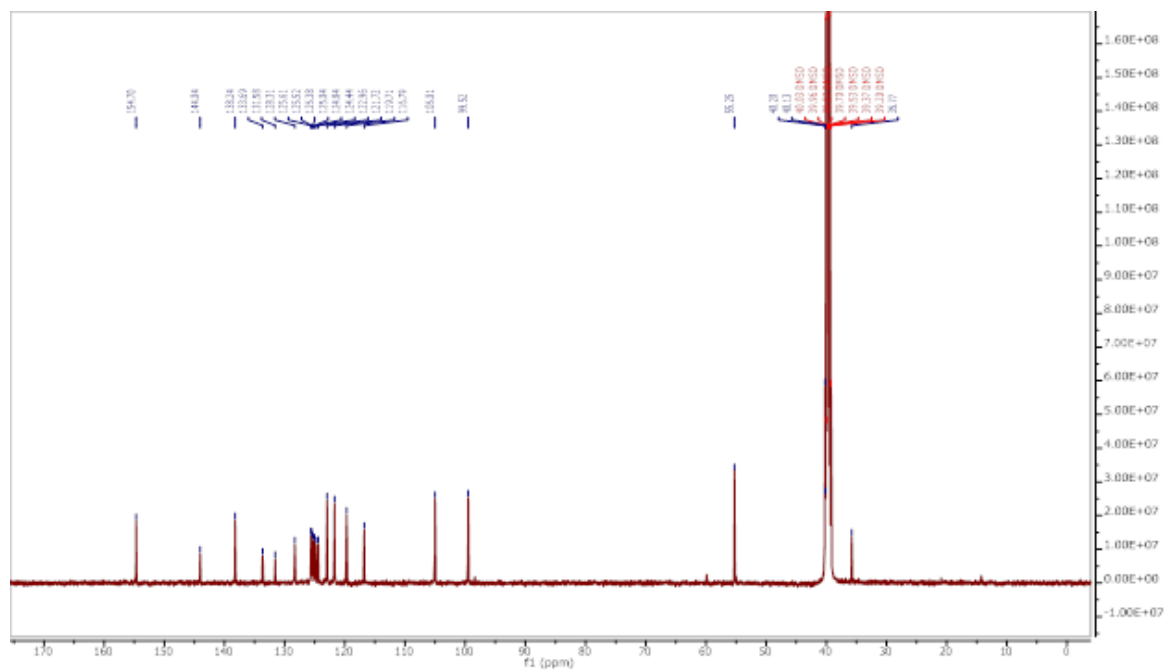
Figure S21. ^1H NMR spectrum of compound **8i**Figure S22. ^{13}C NMR spectrum of compound **8i**

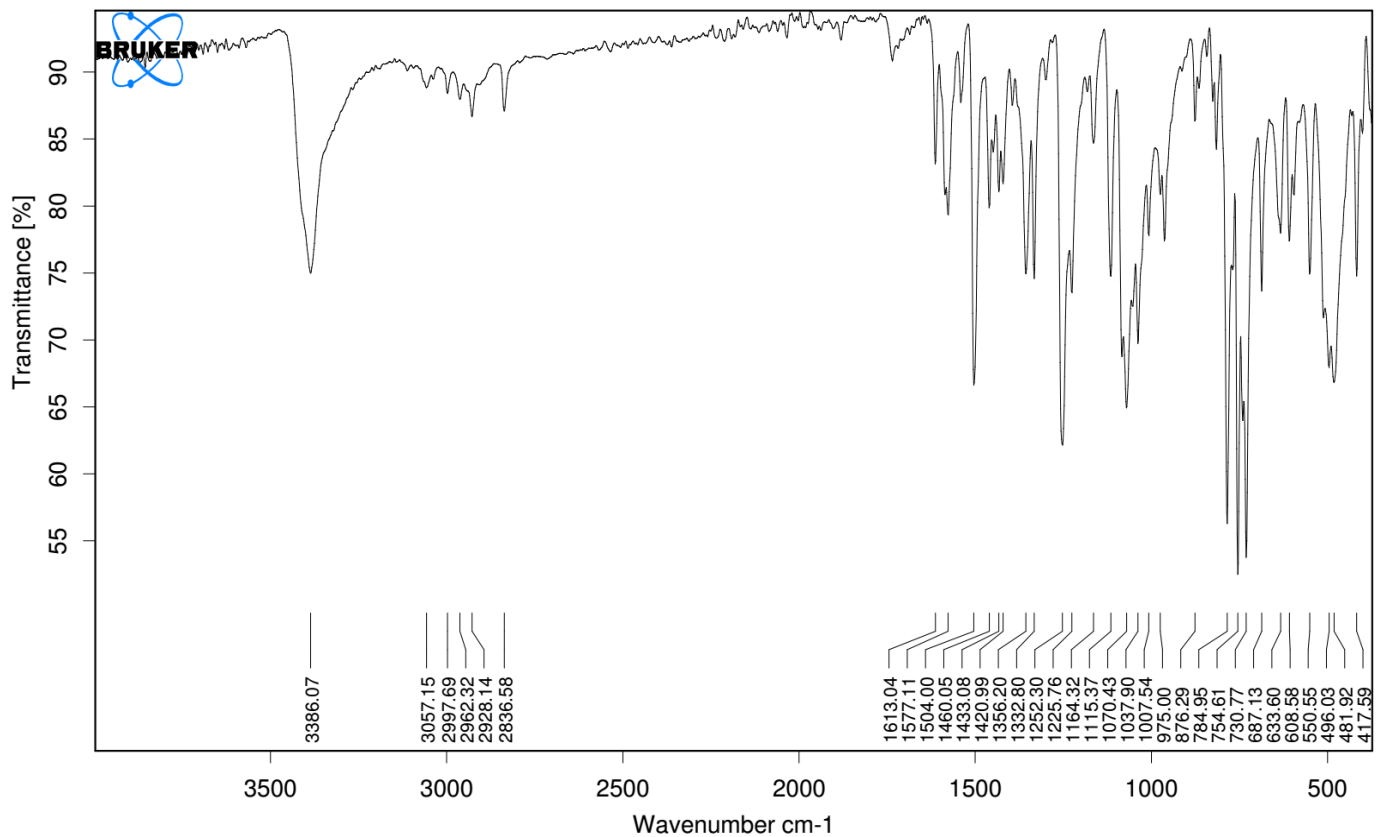
Figure S23. IR spectrum of compound **8i**

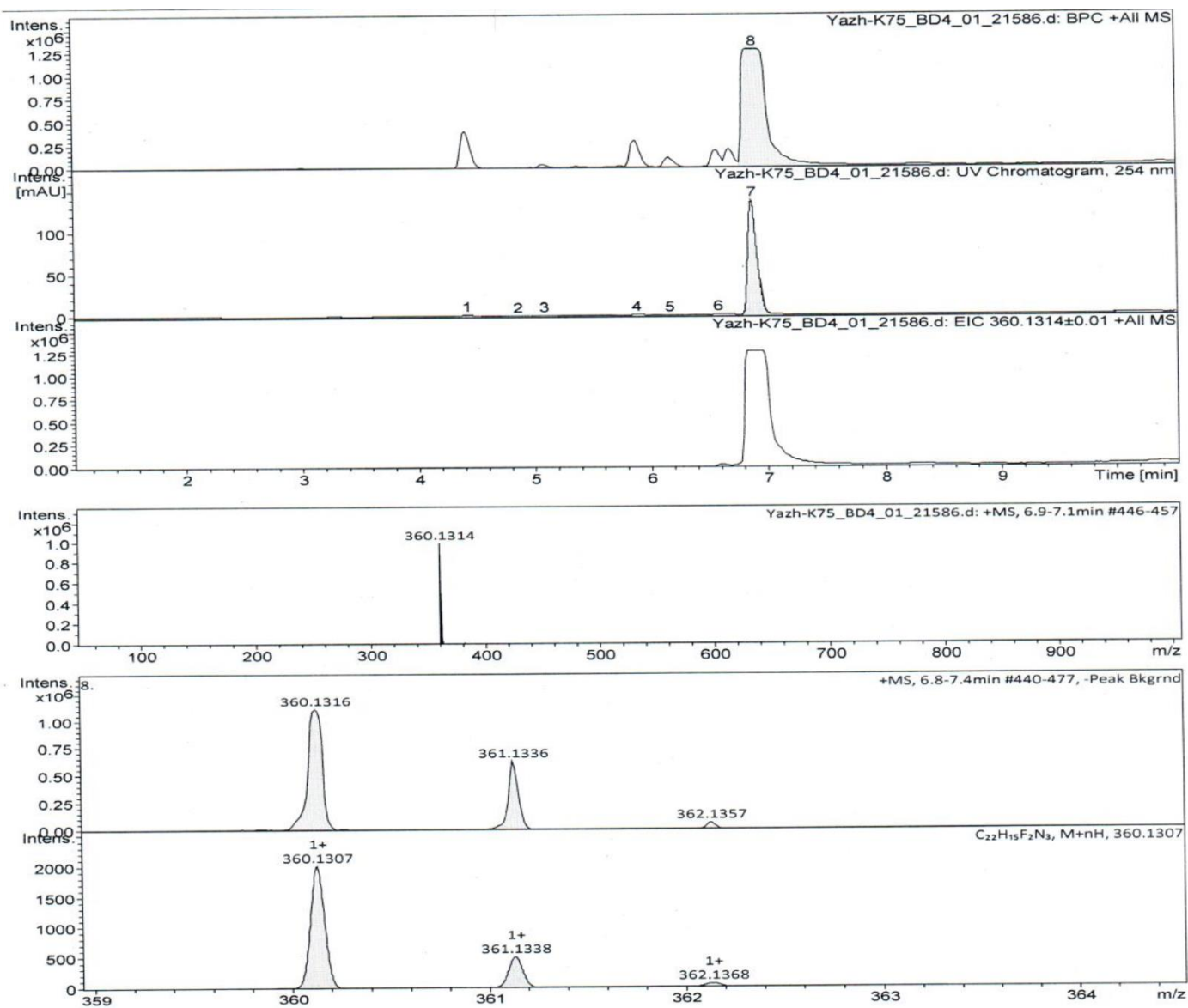
Figure S24. HRMS spectrum of compound **8i**

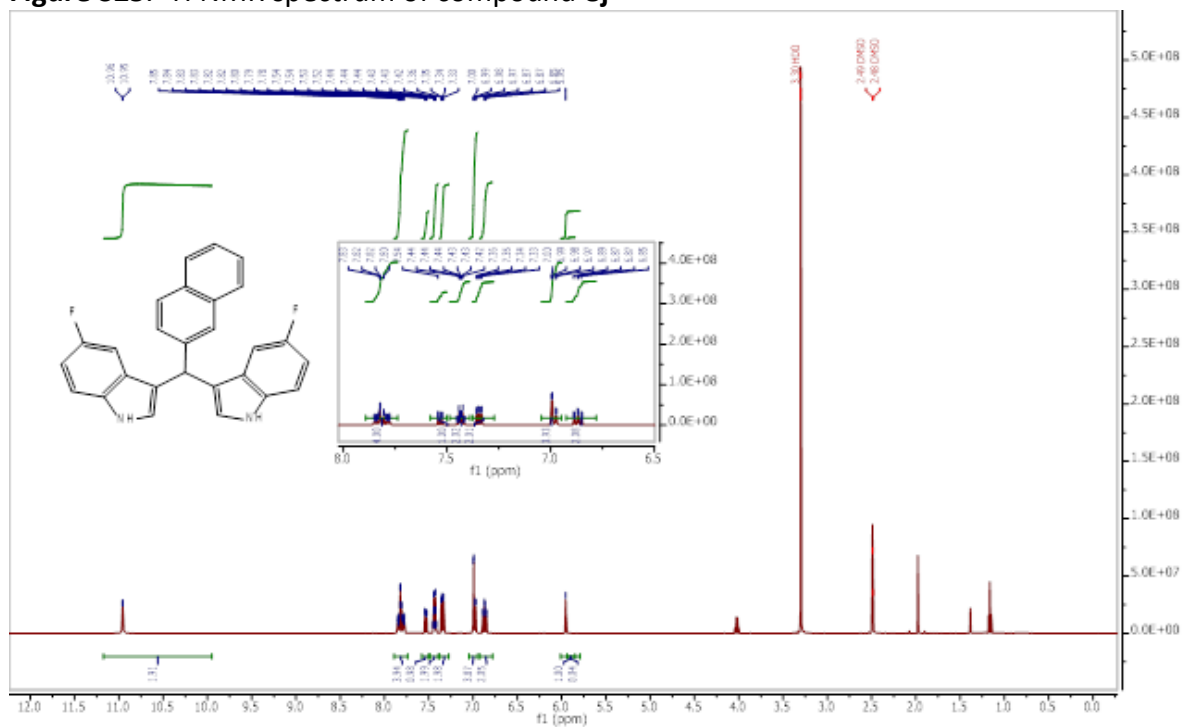
Figure S25. ¹H NMR spectrum of compound 8j

Figure S26.

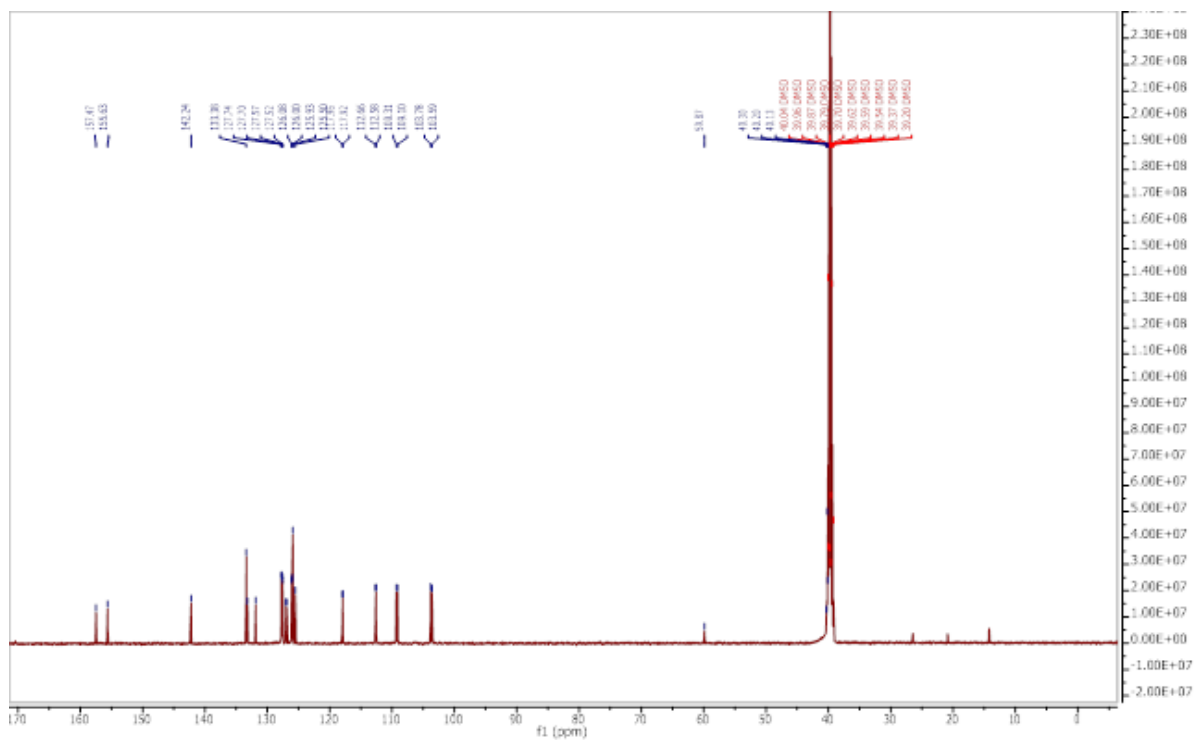
¹³C NMR spectrum of compound 8j

Figure S27. IR spectrum of compound 8j

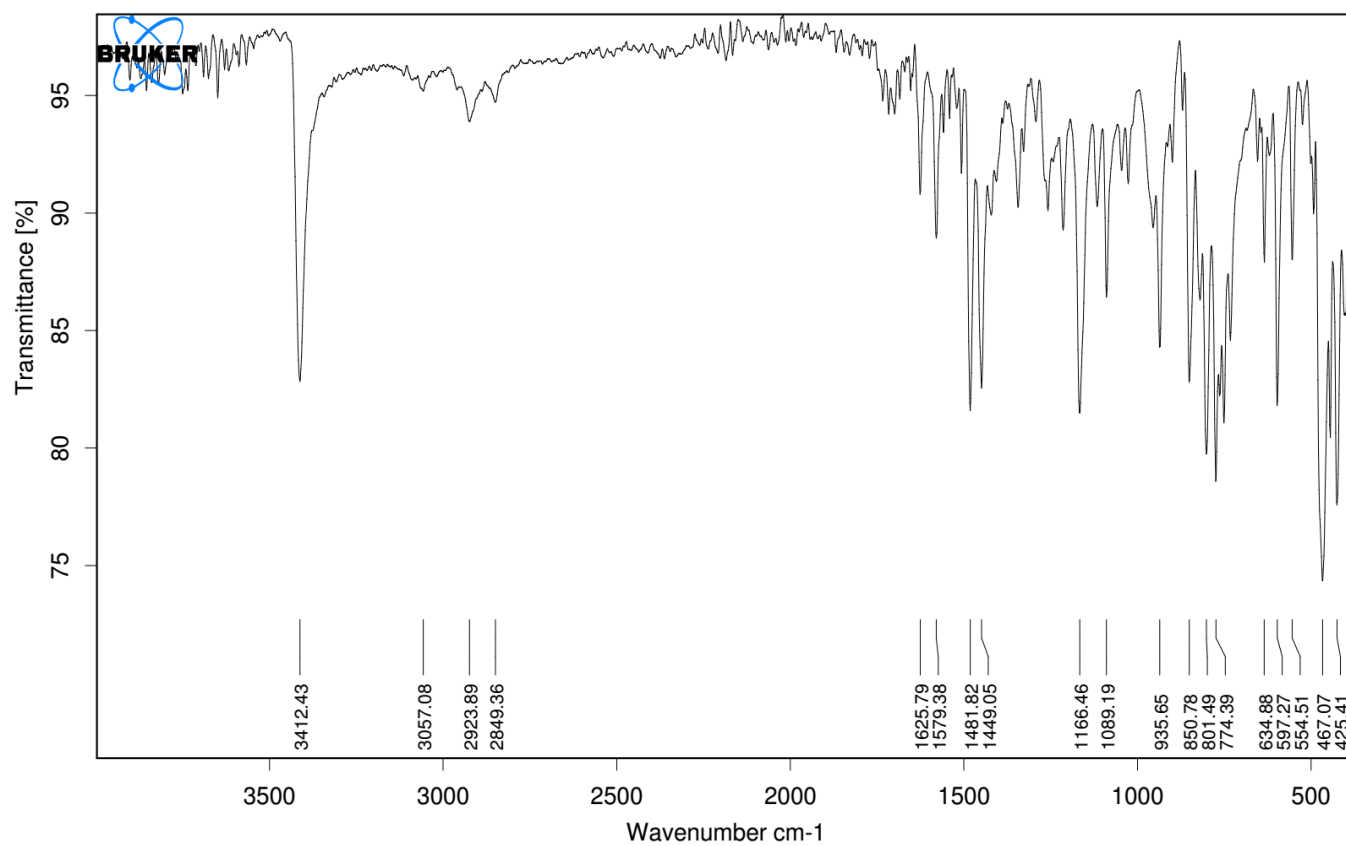


Figure S28. HRMS spectrum of compound 8j

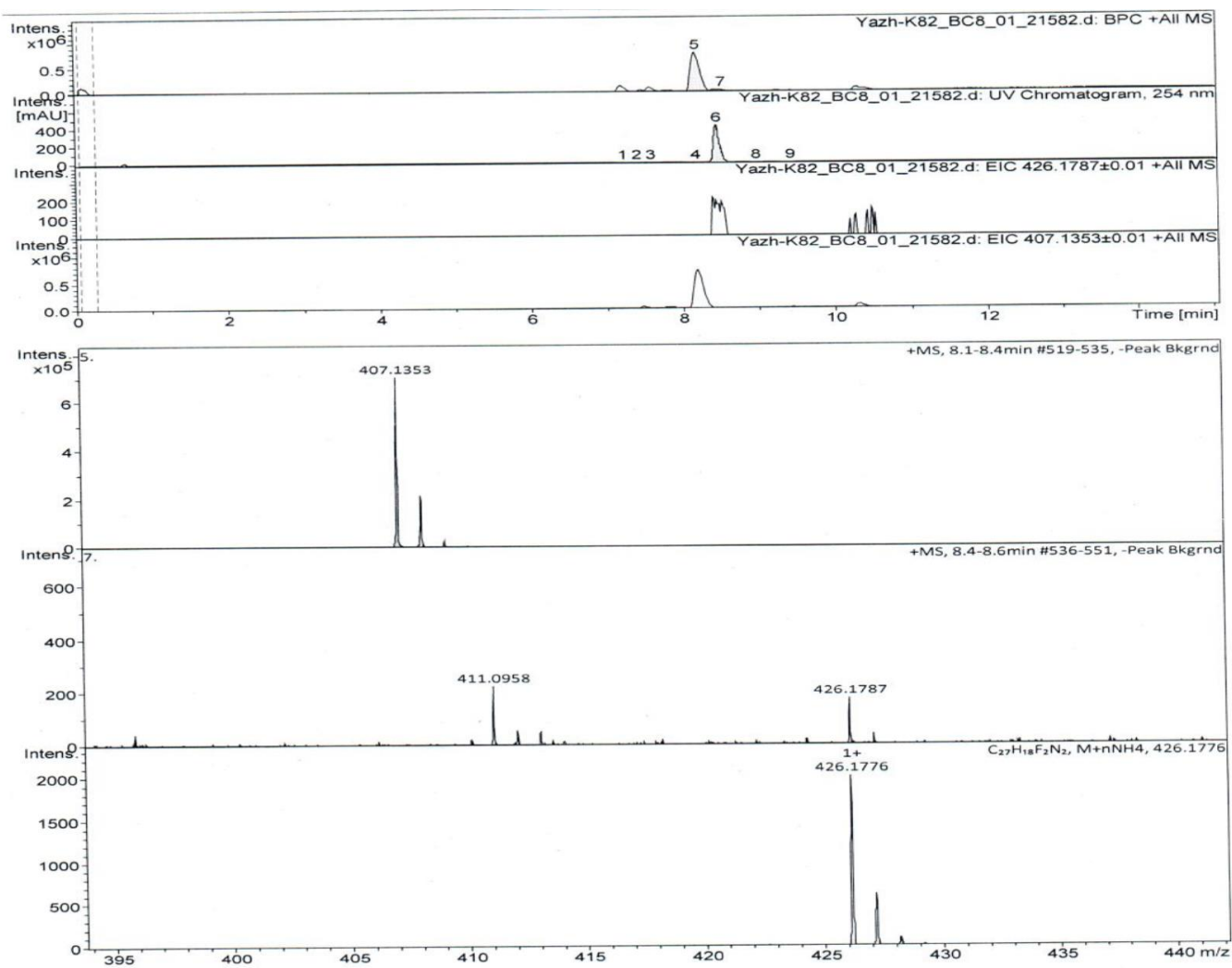


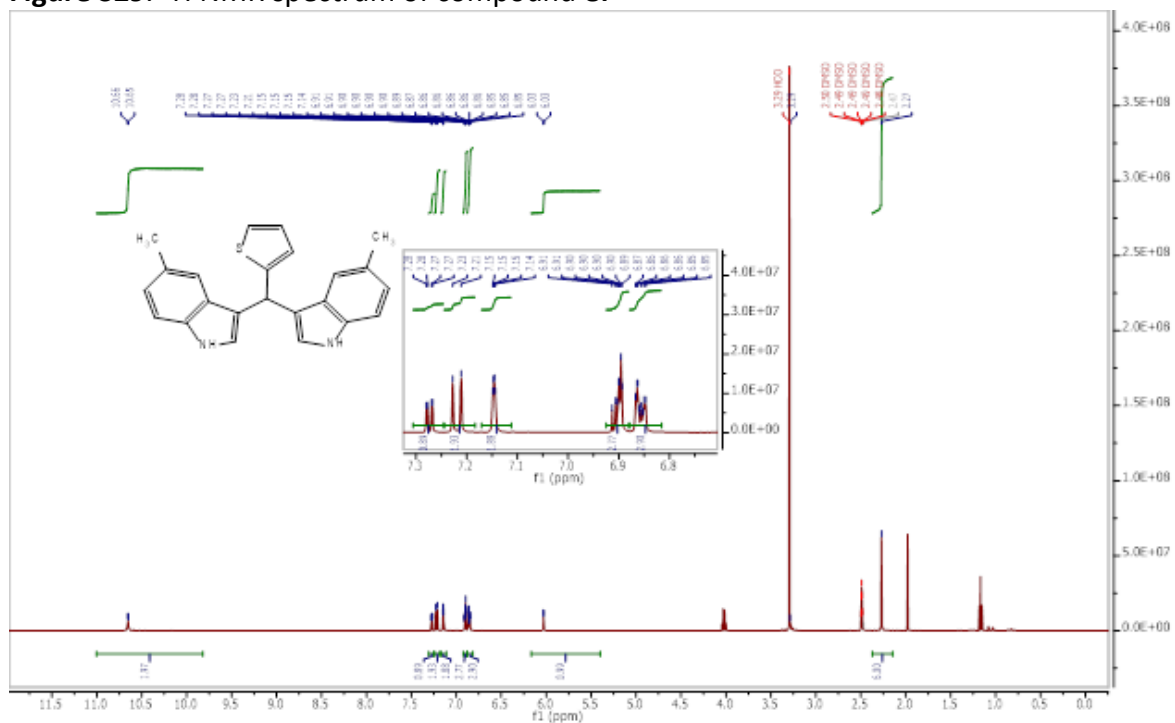
Figure S29. ^1H NMR spectrum of compound **8I**

Figure S30.

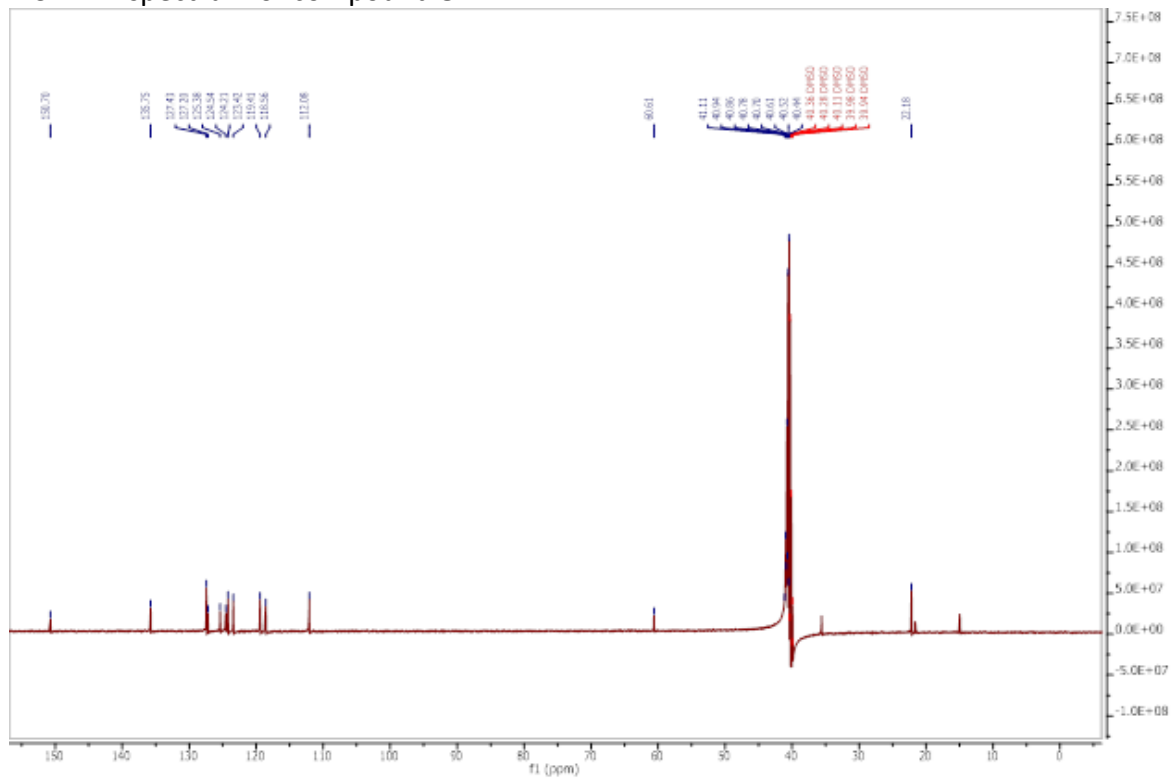
 ^{13}C NMR spectrum of compound **8I**

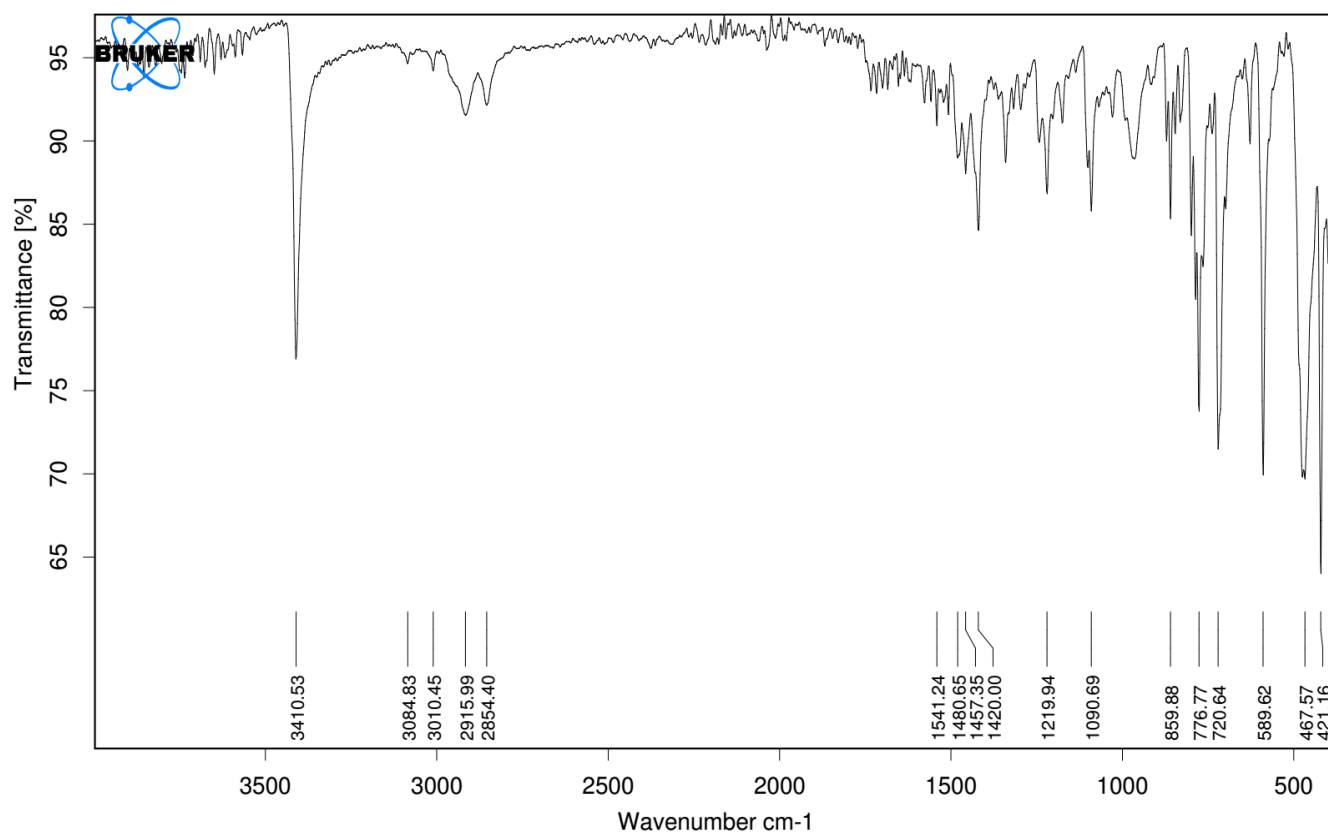
Figure S31. IR spectrum of compound **8I**

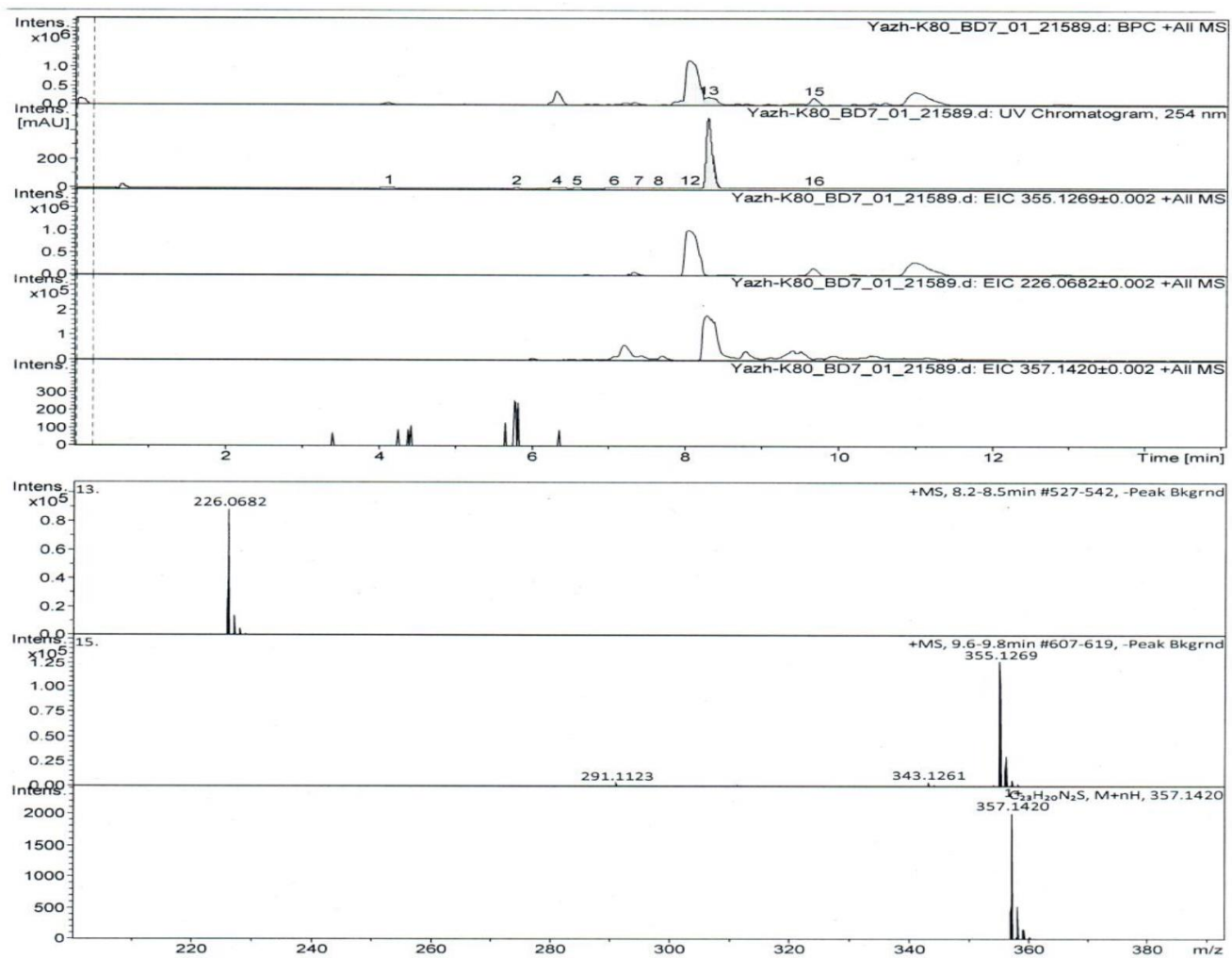
Figure S32. HRMS spectrum of compound **8l**

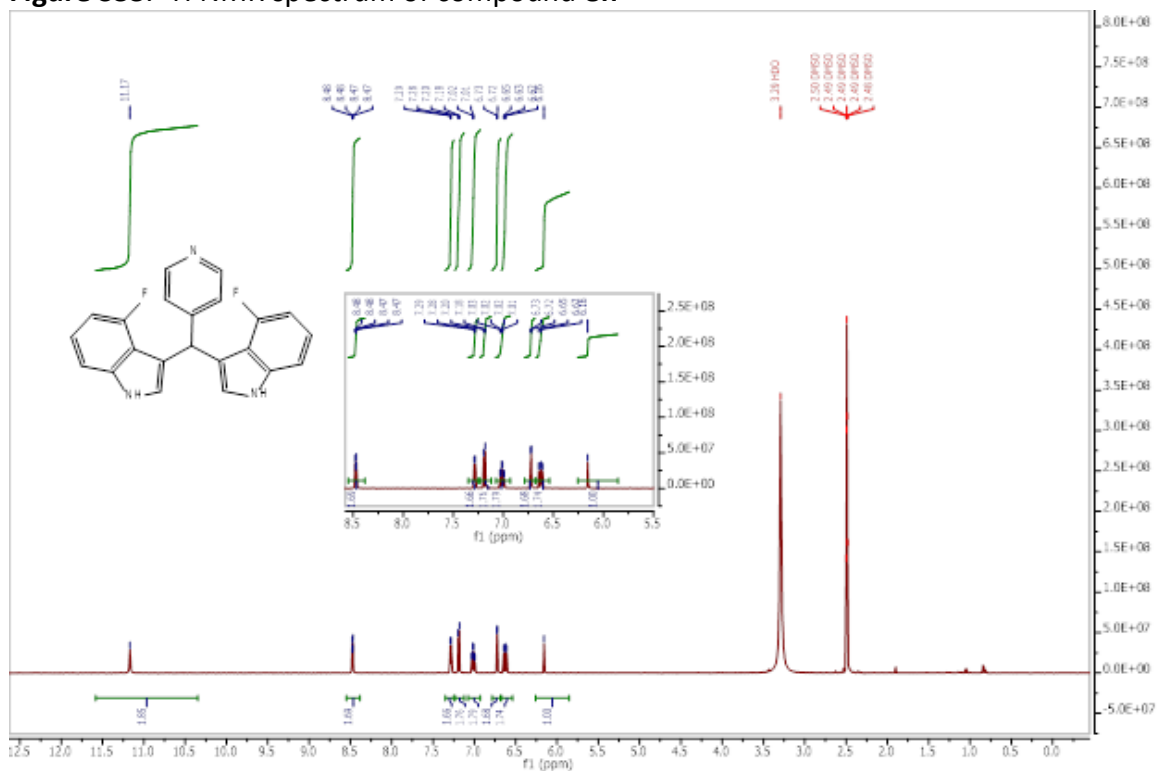
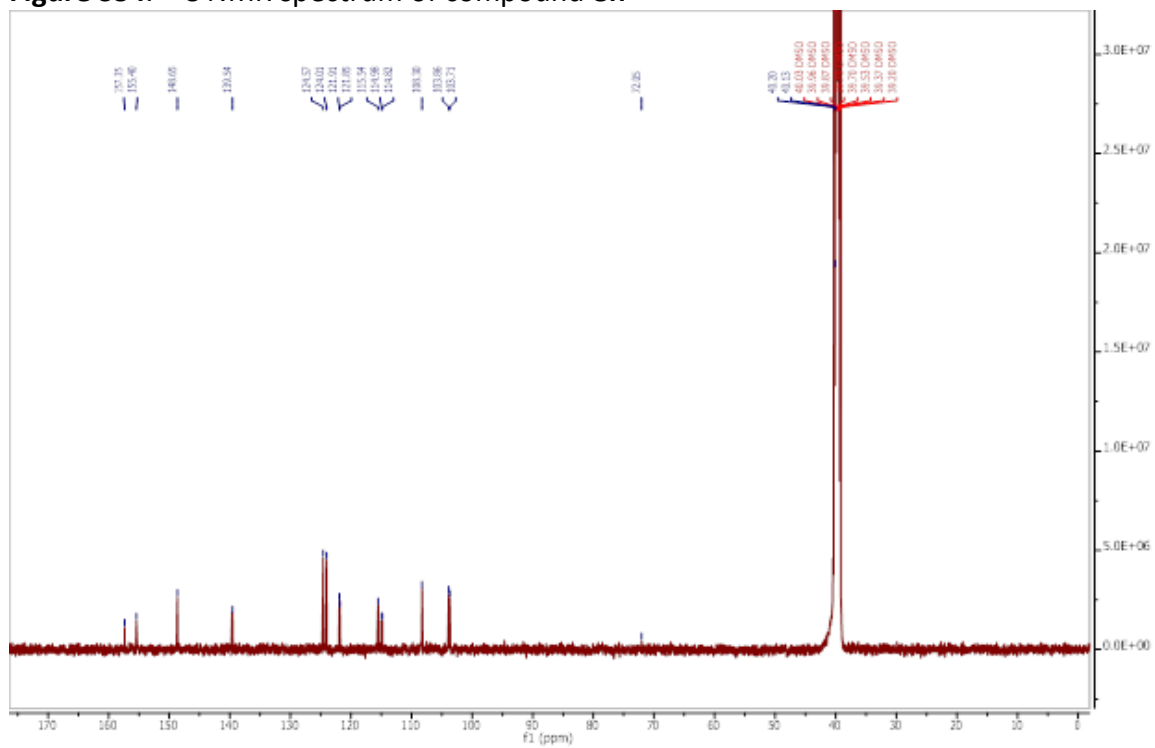
Figure S33. ^1H NMR spectrum of compound **8n****Figure S34.** ^{13}C NMR spectrum of compound **8n**

Figure S35. IR spectrum of compound 8n

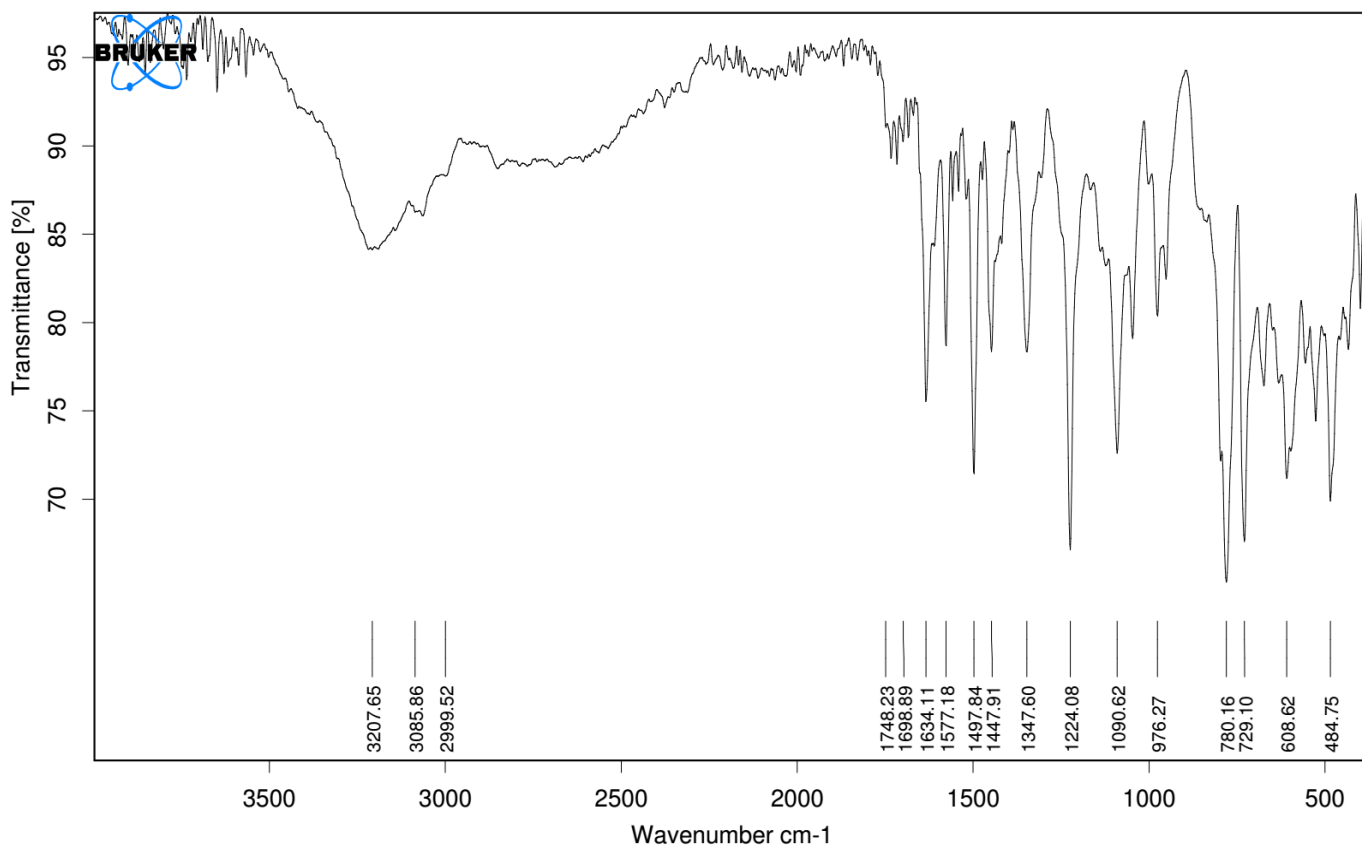


Figure S36. HRMS spectrum of compound 8n

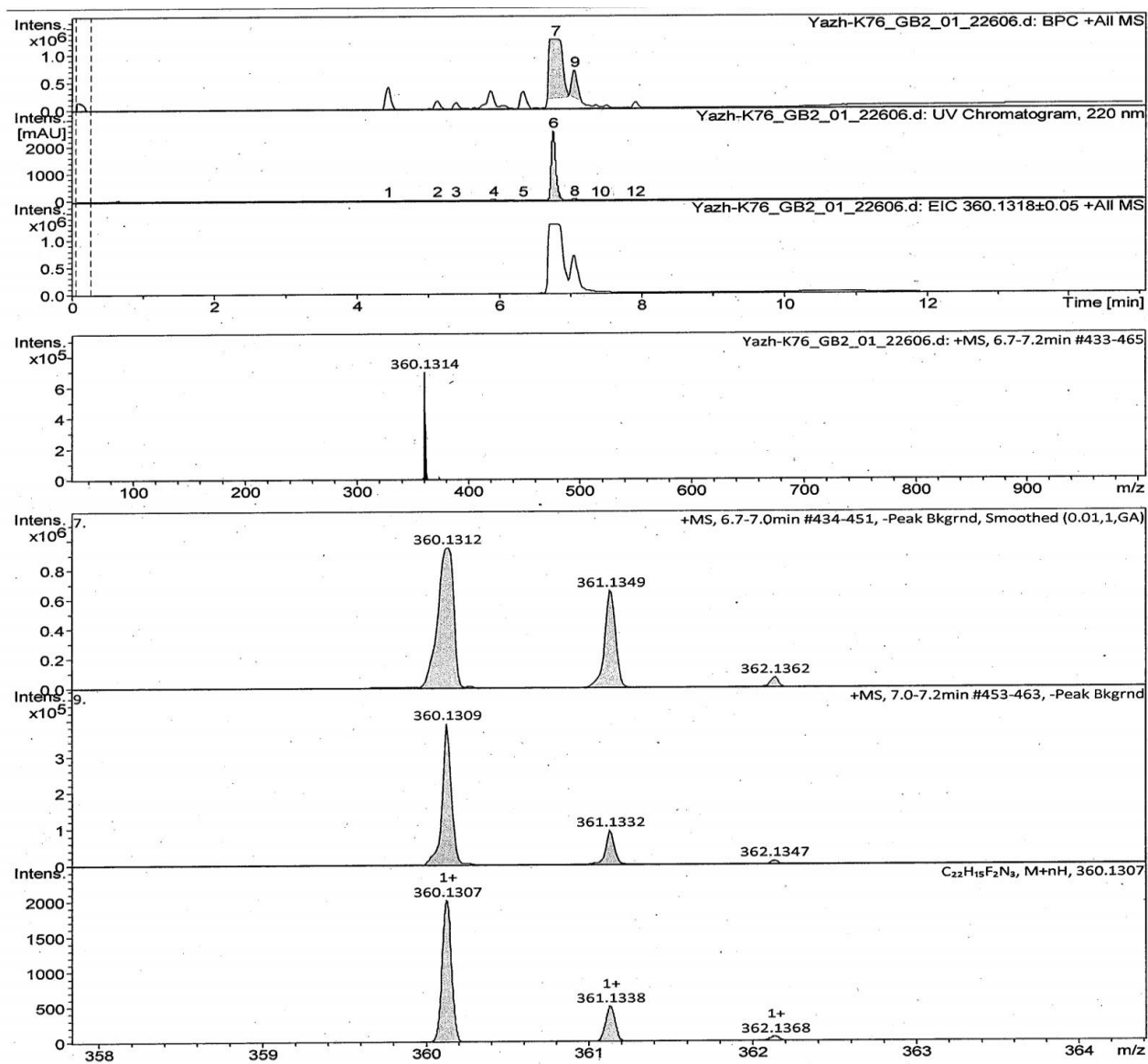


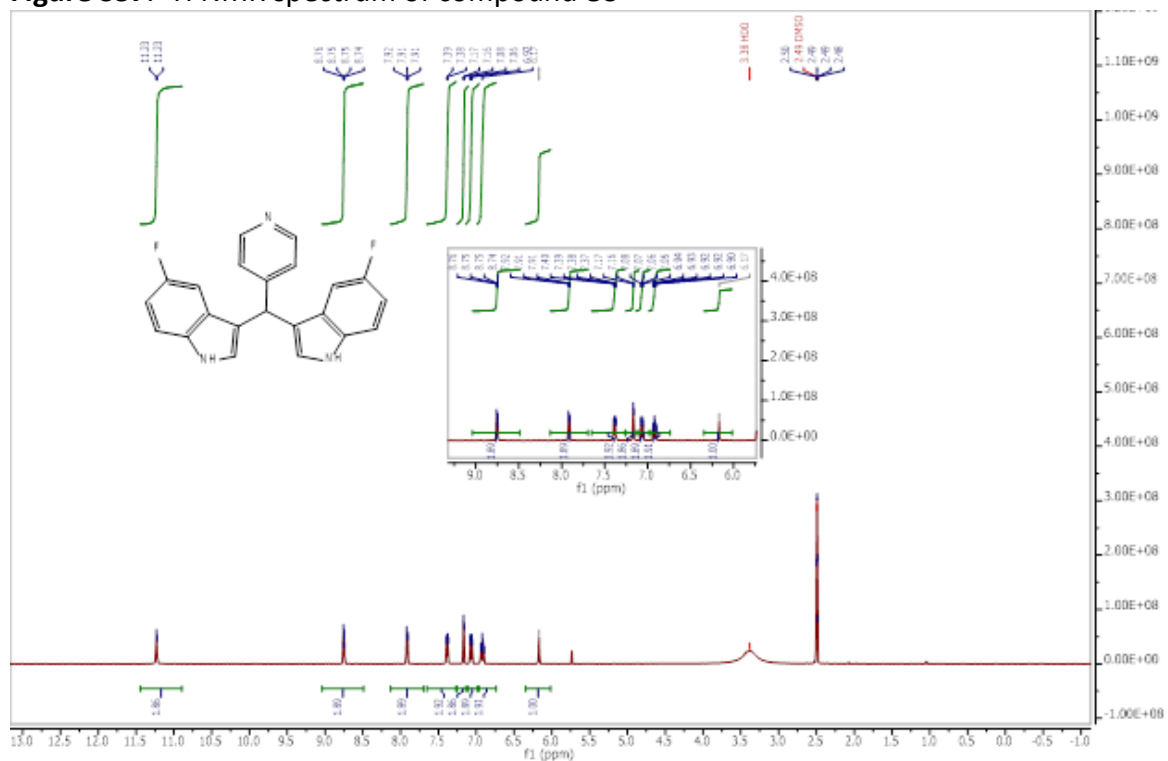
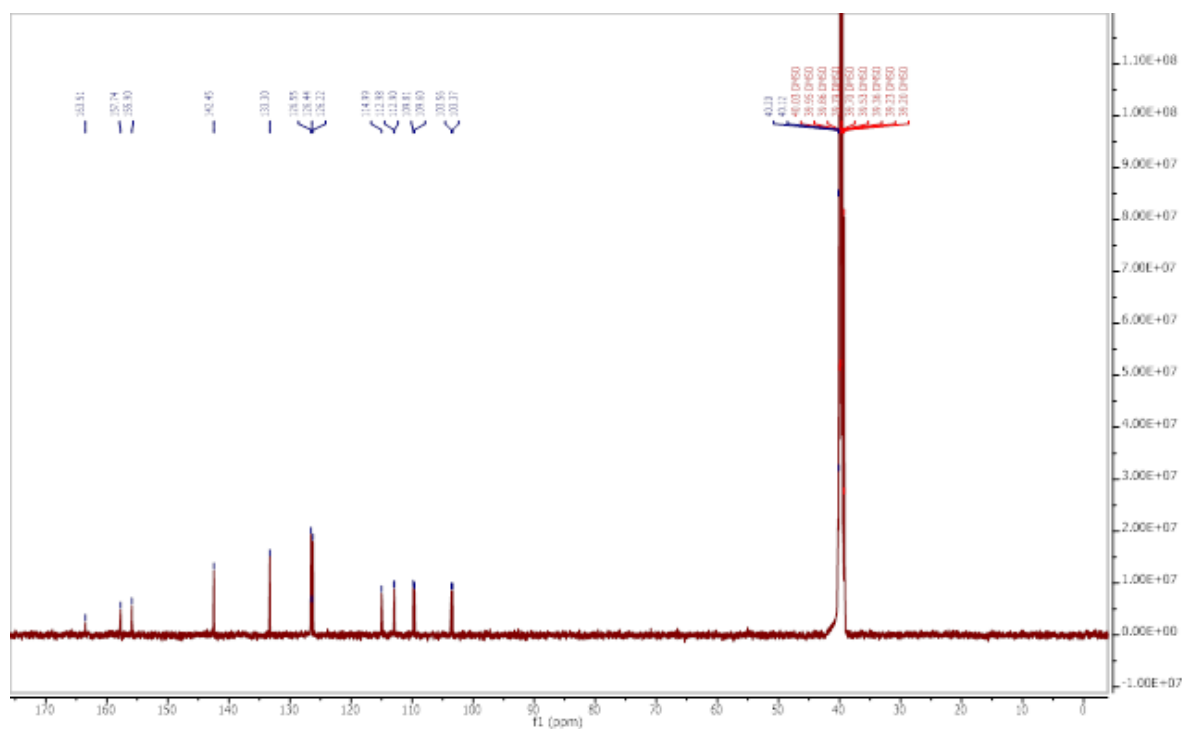
Figure S37. ¹H NMR spectrum of compound **8o**Figure S38. ¹³C NMR spectrum of compound **8o**

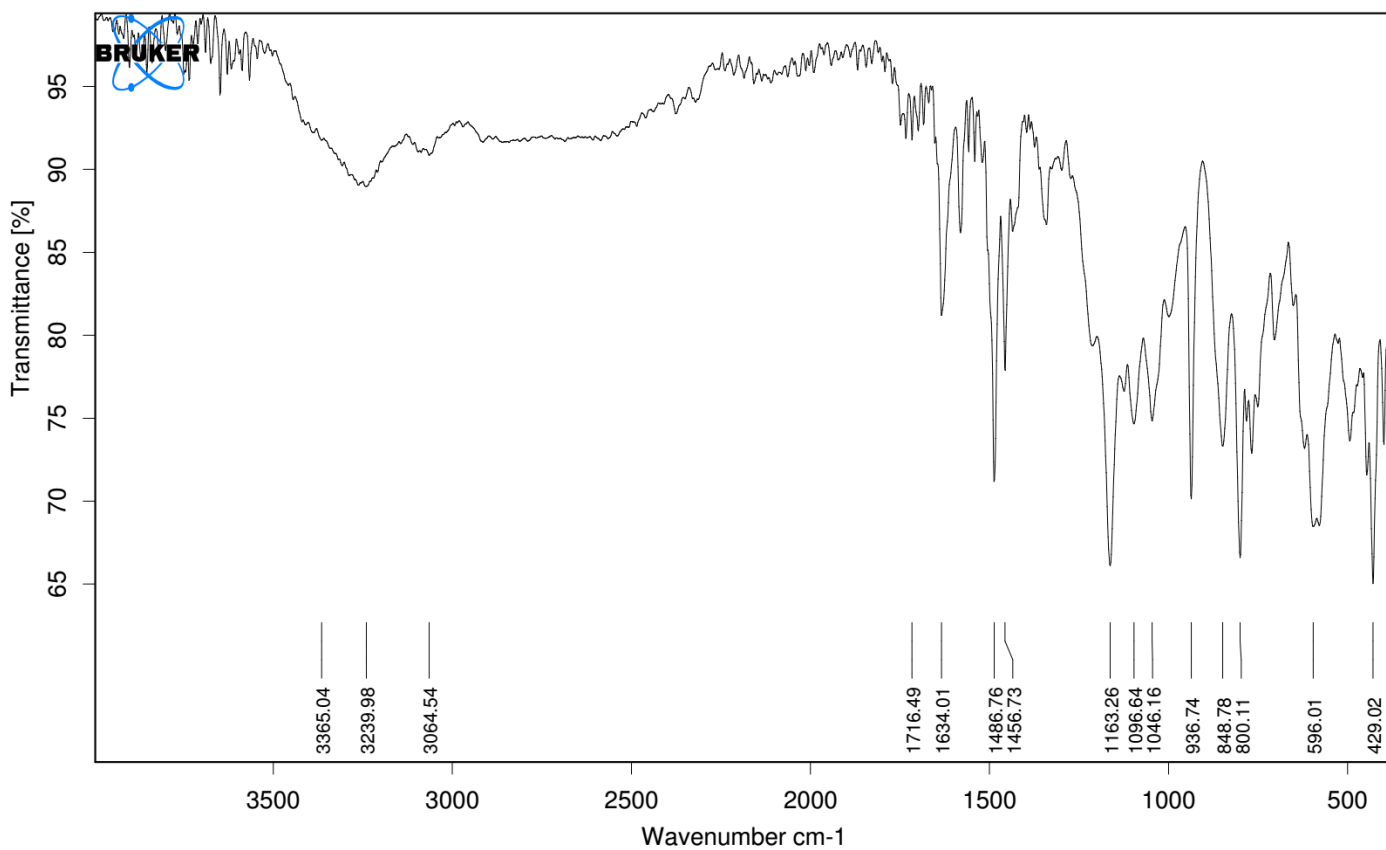
Figure S39. IR spectrum of compound **8o**

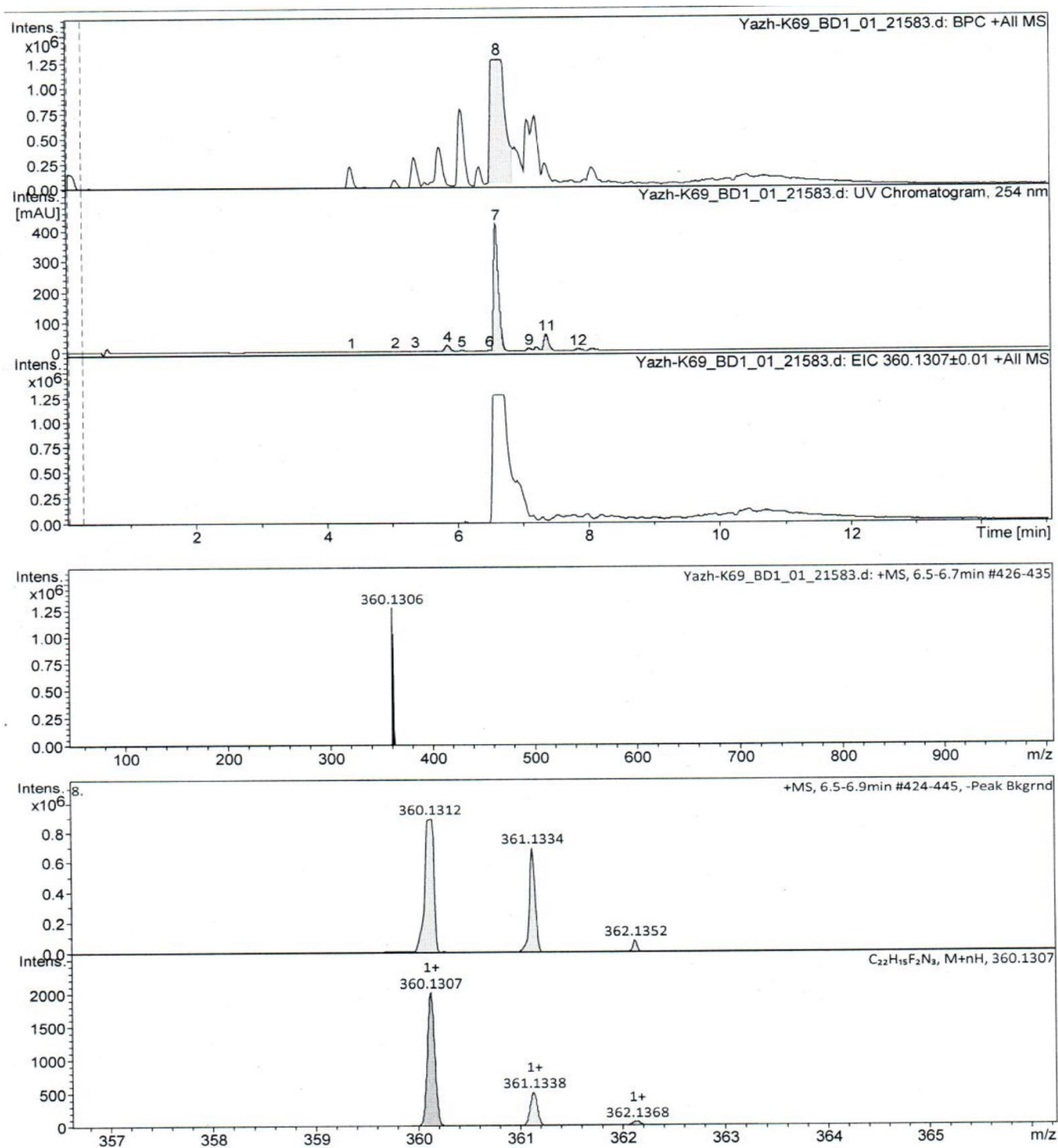
Figure S40. HRMS spectrum of compound **80**

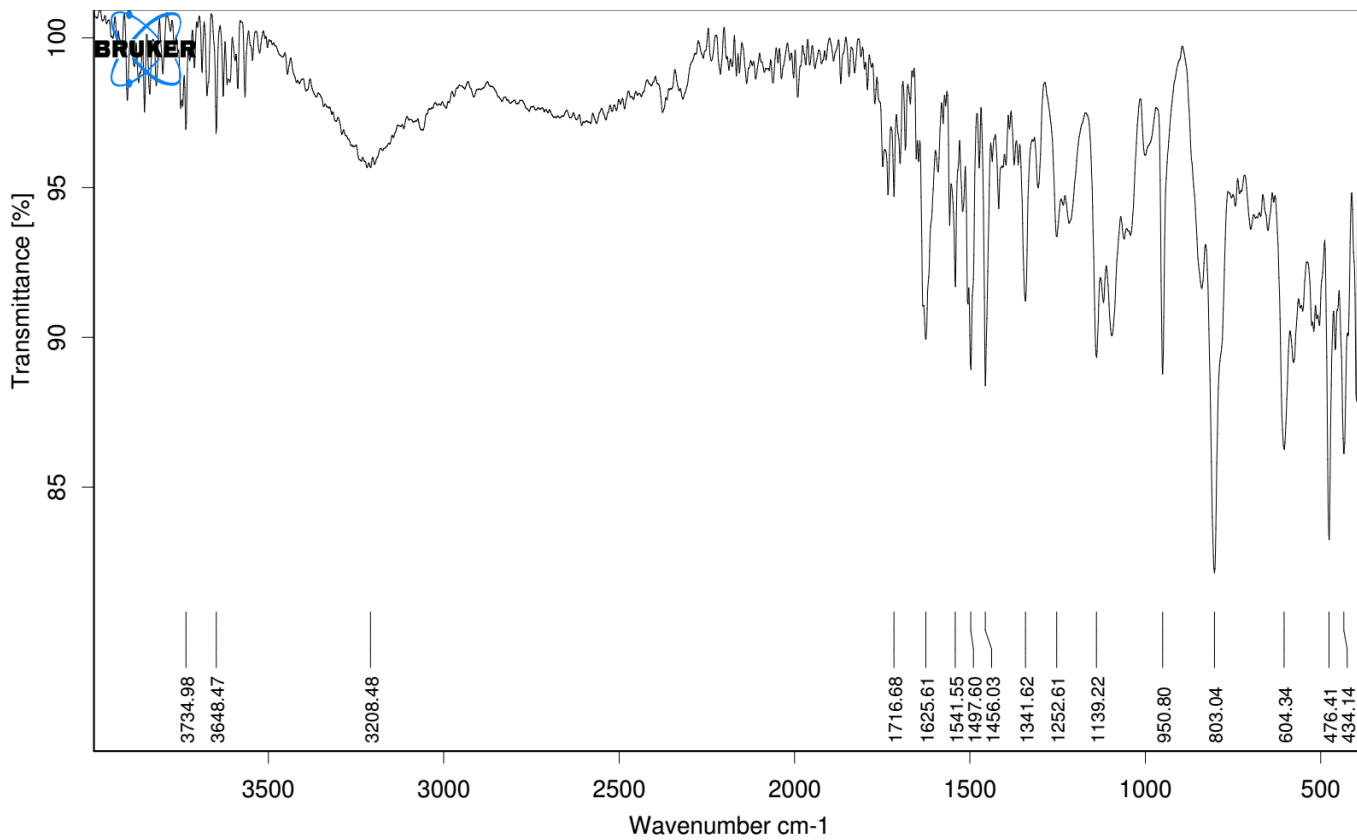
Figure S43. IR spectrum of compound **8p**

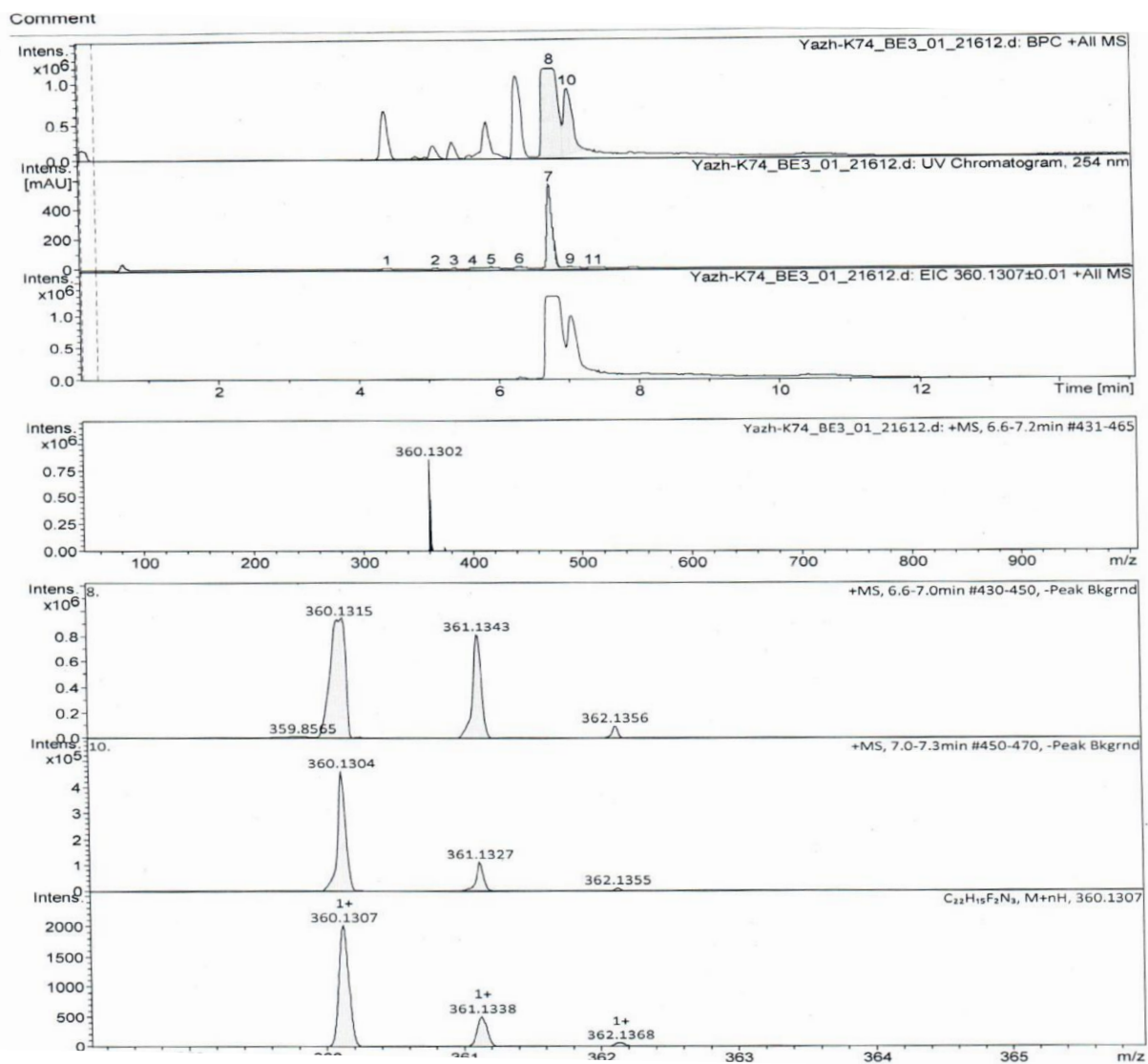
Figure S44. HRMS spectrum of compound **8p**

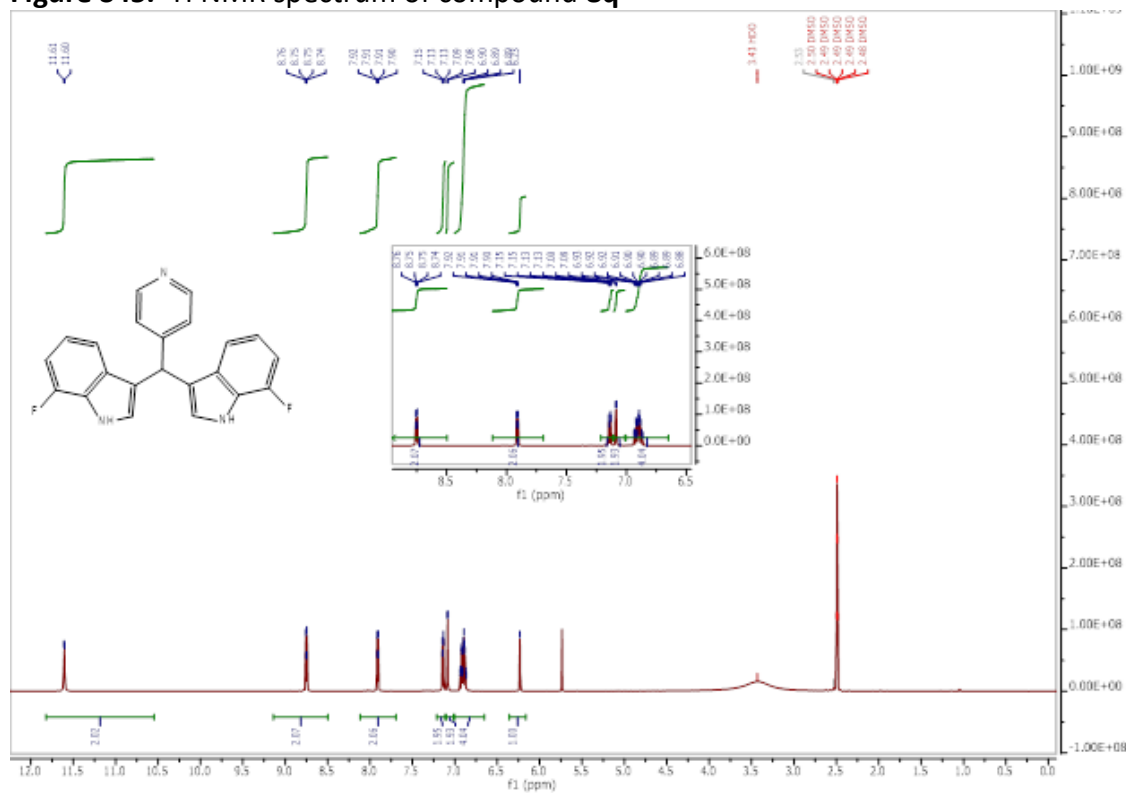
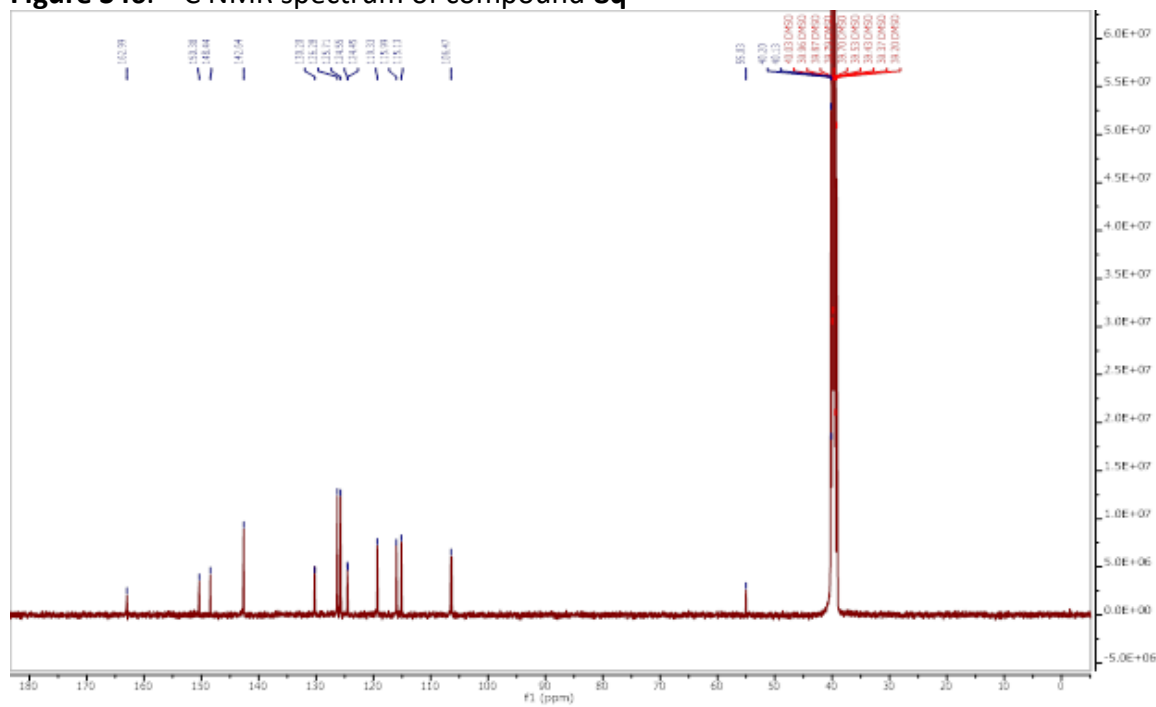
Figure S45. ^1H NMR spectrum of compound **8q**Figure S46. ^{13}C NMR spectrum of compound **8q**

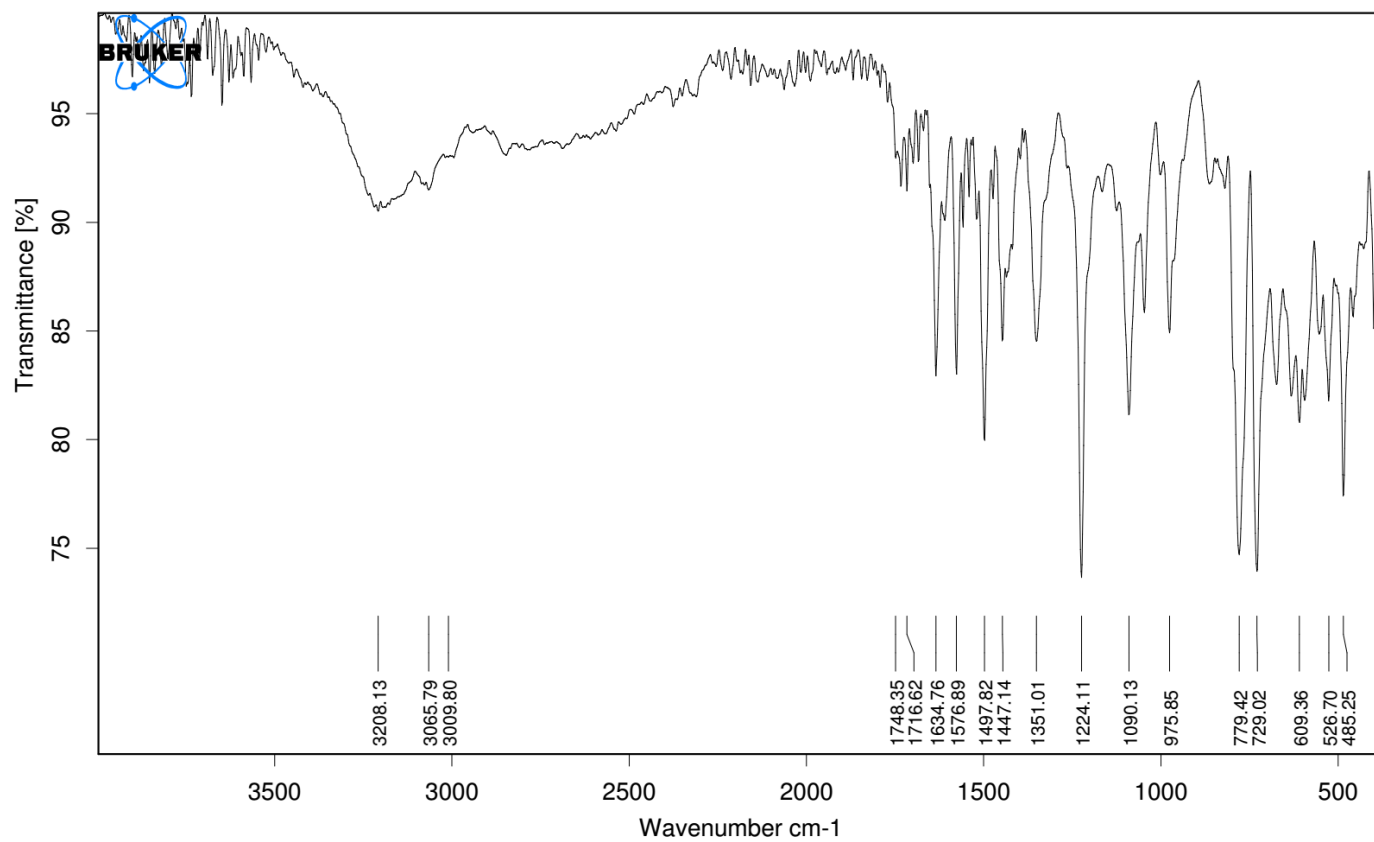
Figure S47. IR spectrum of compound **8q**

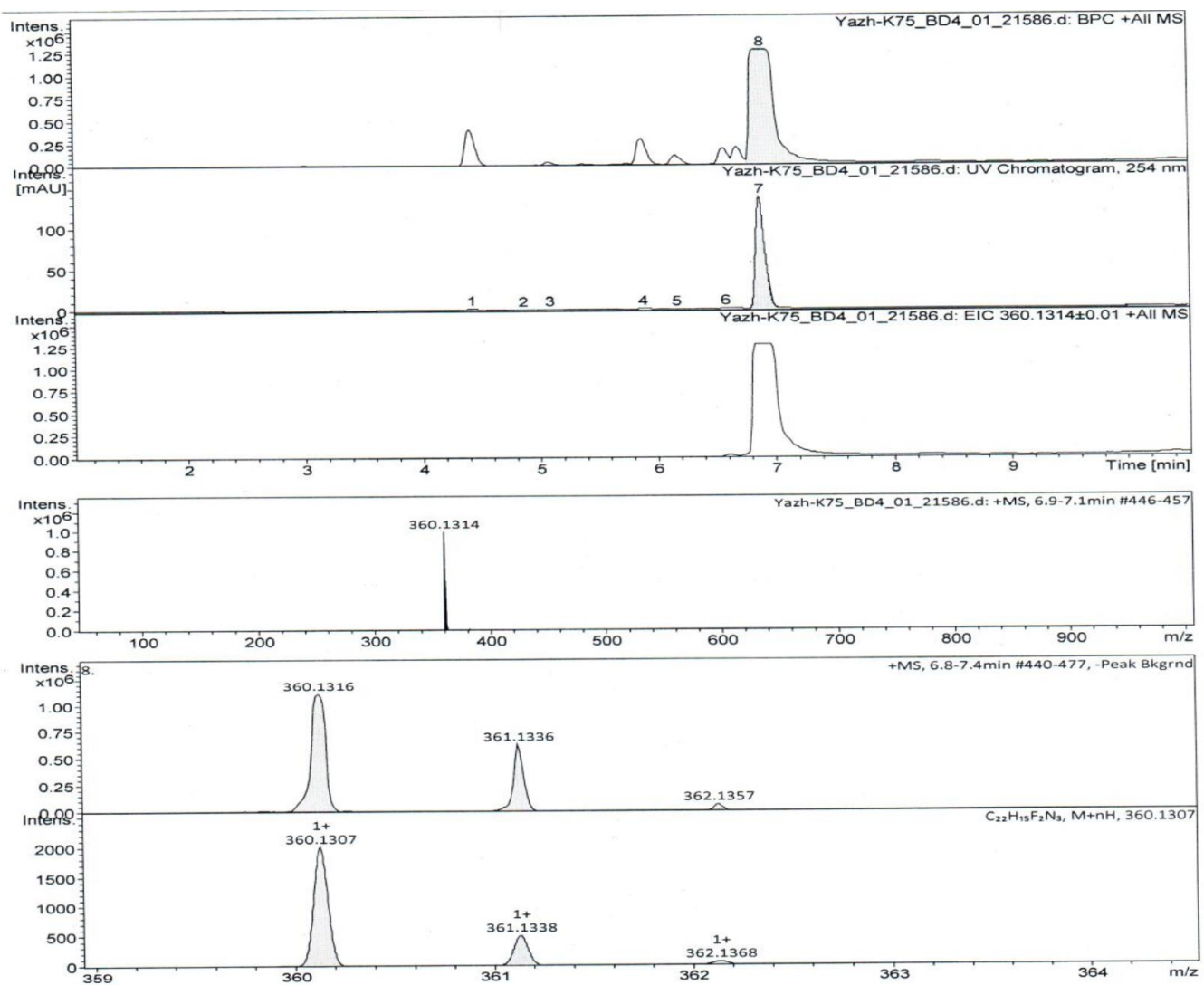
Figure S48. HRMS spectrum of compound **8q**

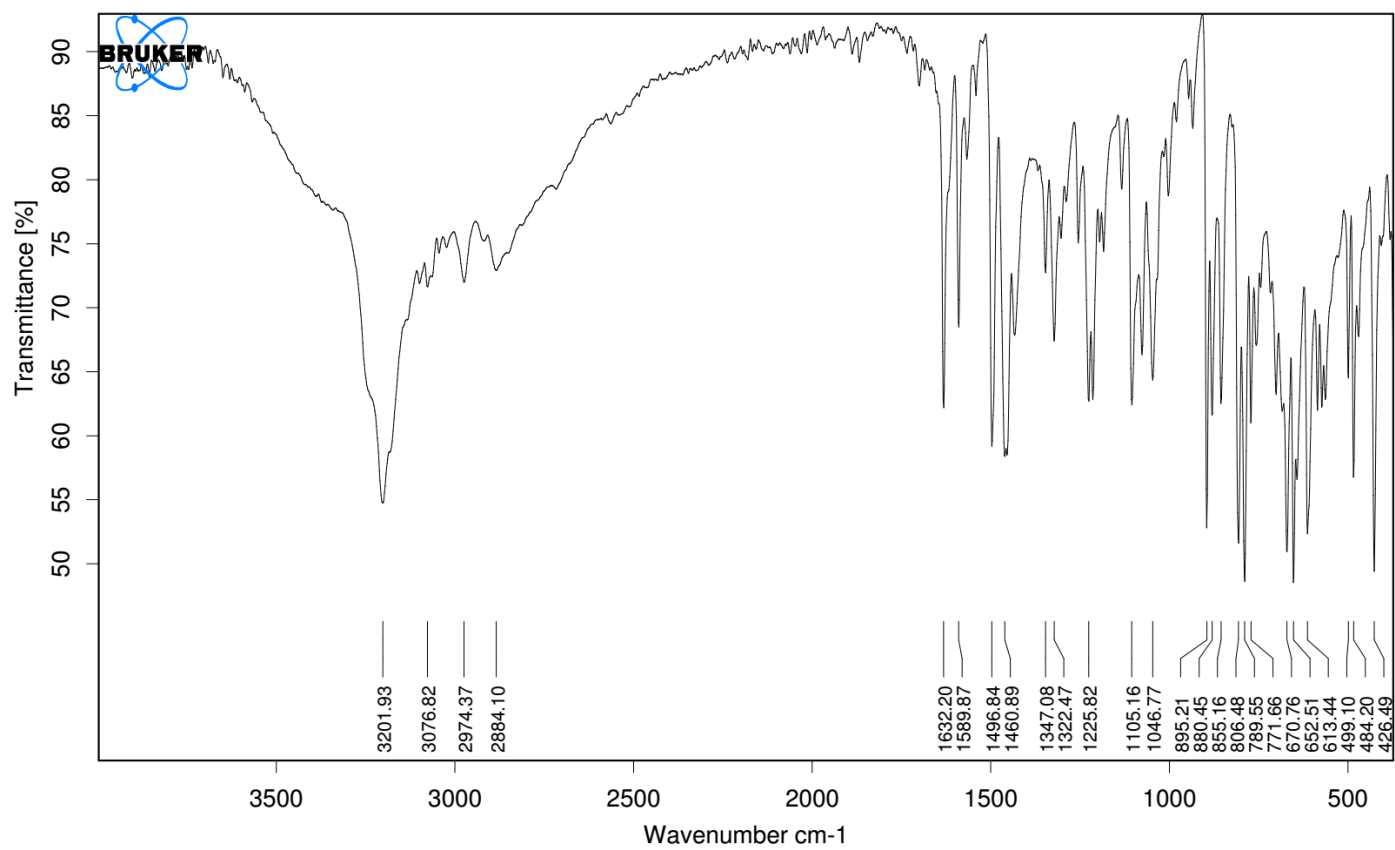
Figure S51. IR spectrum of compound **8r**

Figure S52. HRMS spectrum of compound **8r**

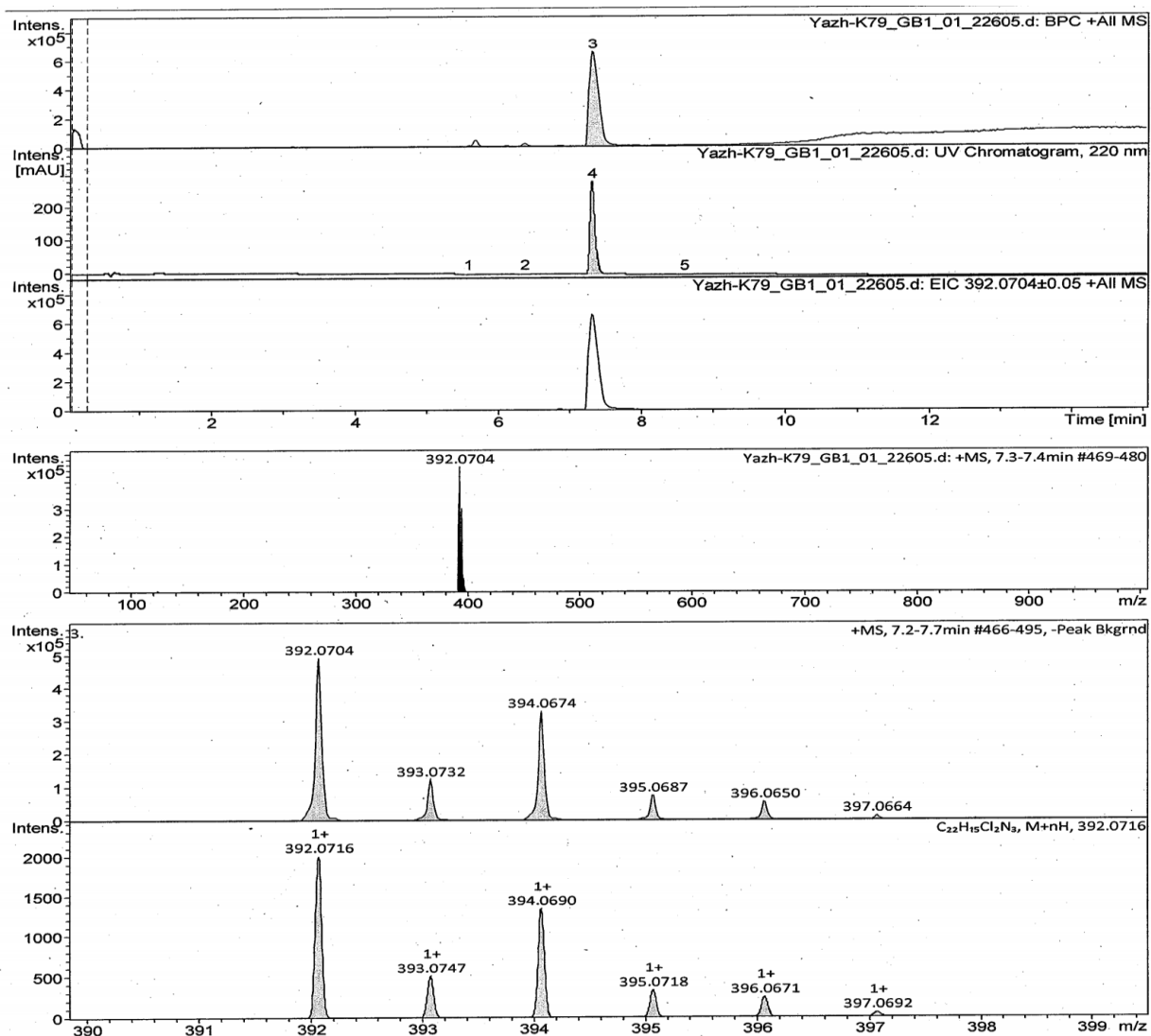


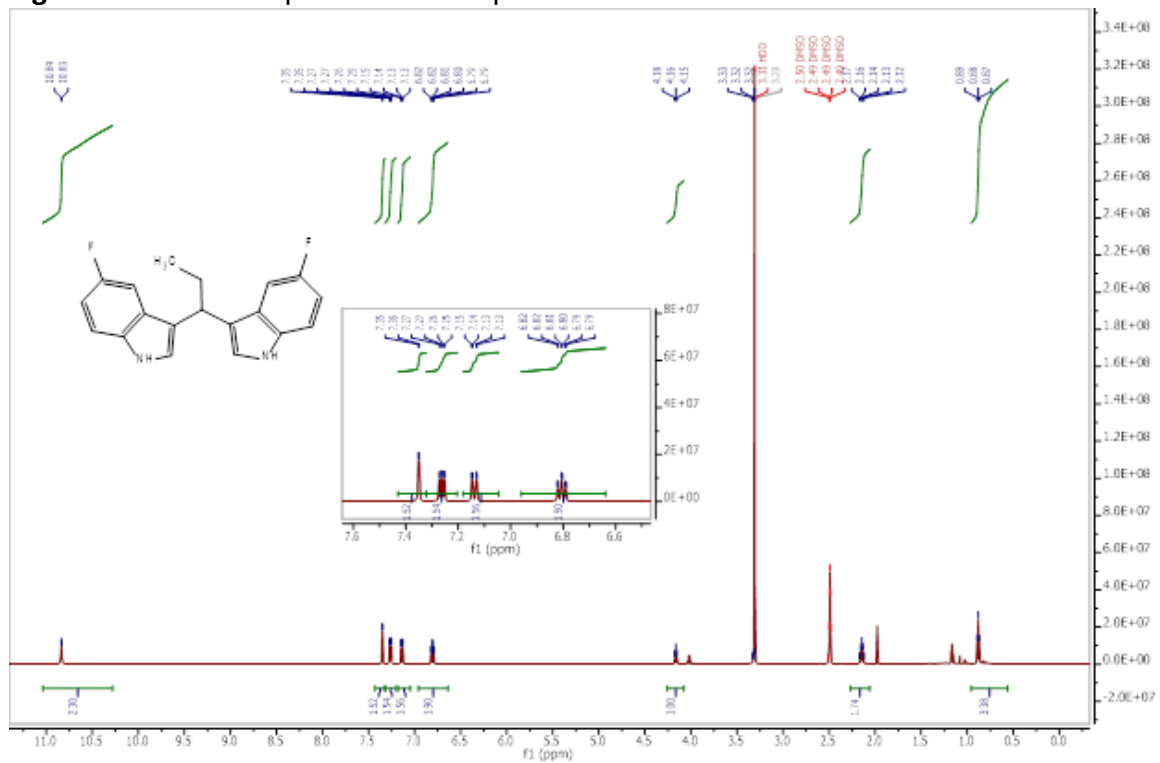
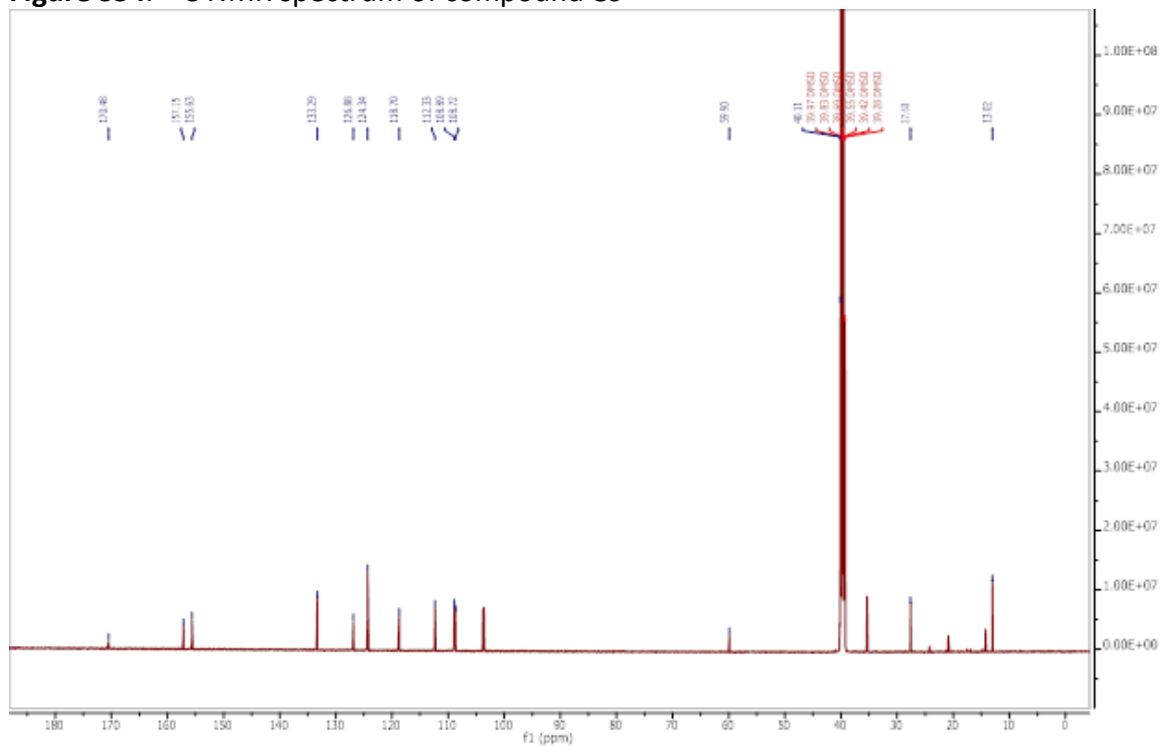
Figure S53. ^1H NMR spectrum of compound **8s**Figure S54. ^{13}C NMR spectrum of compound **8s**

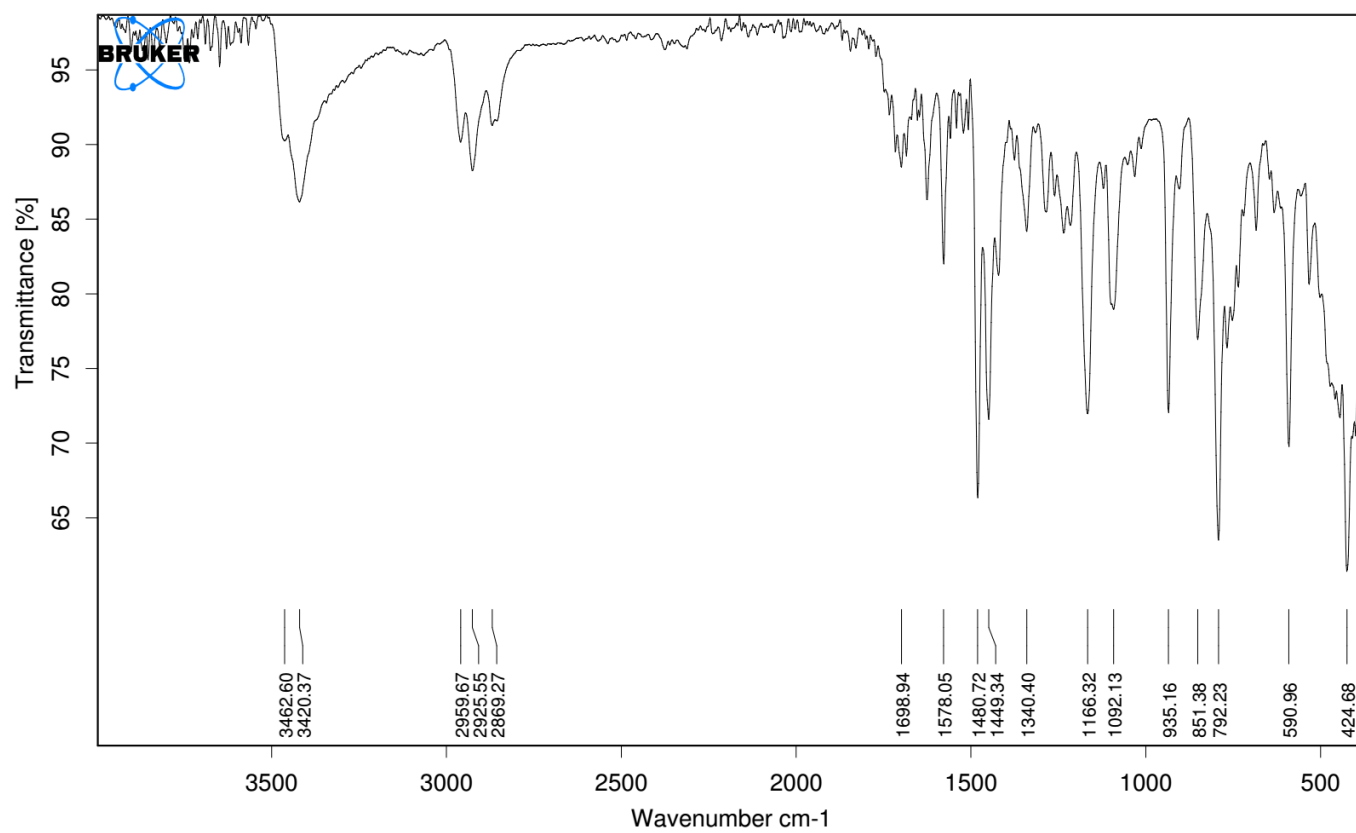
Figure S55. IR spectrum of compound **8s**

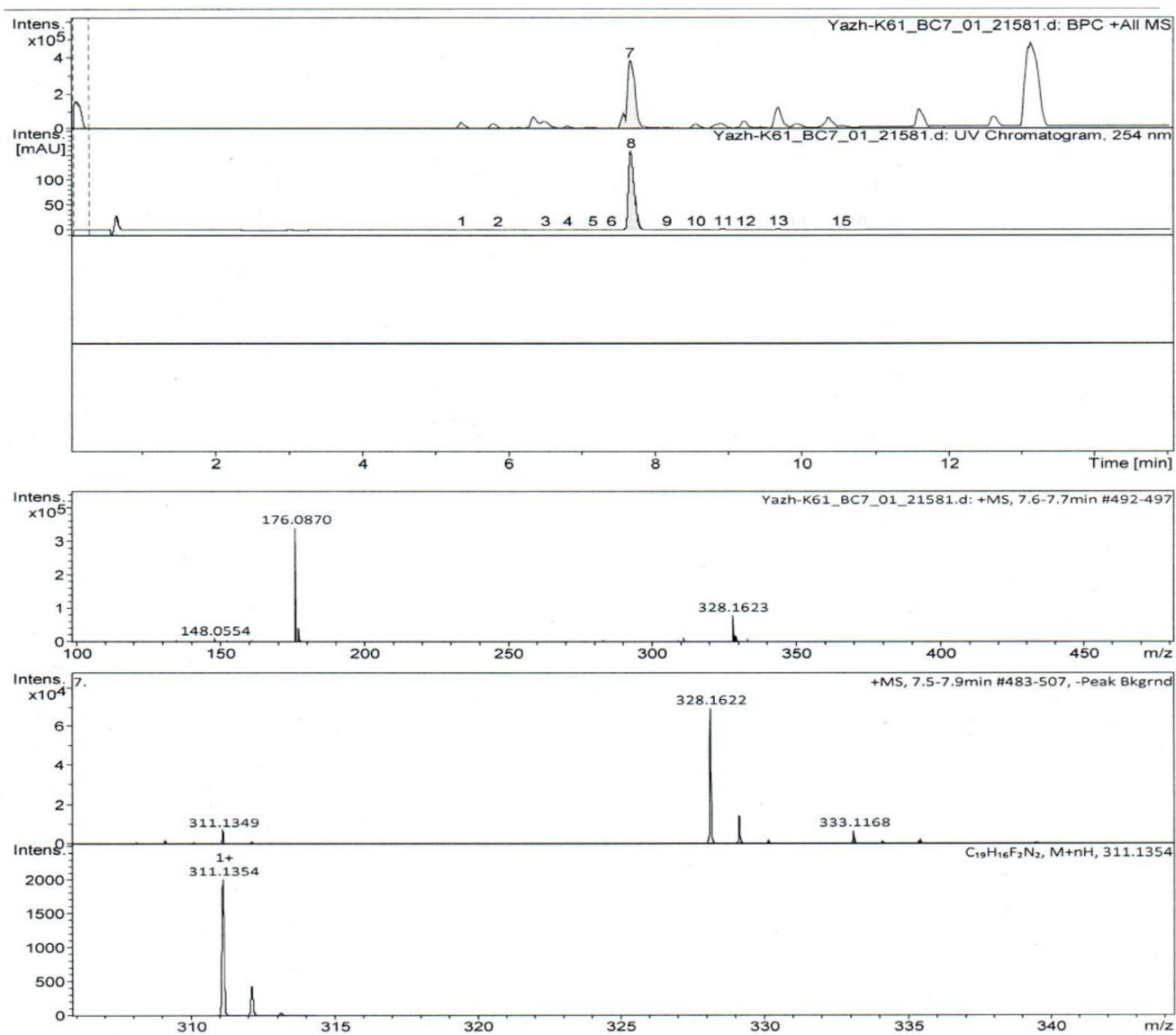
Figure S56. HRMS spectrum of compound **8s**

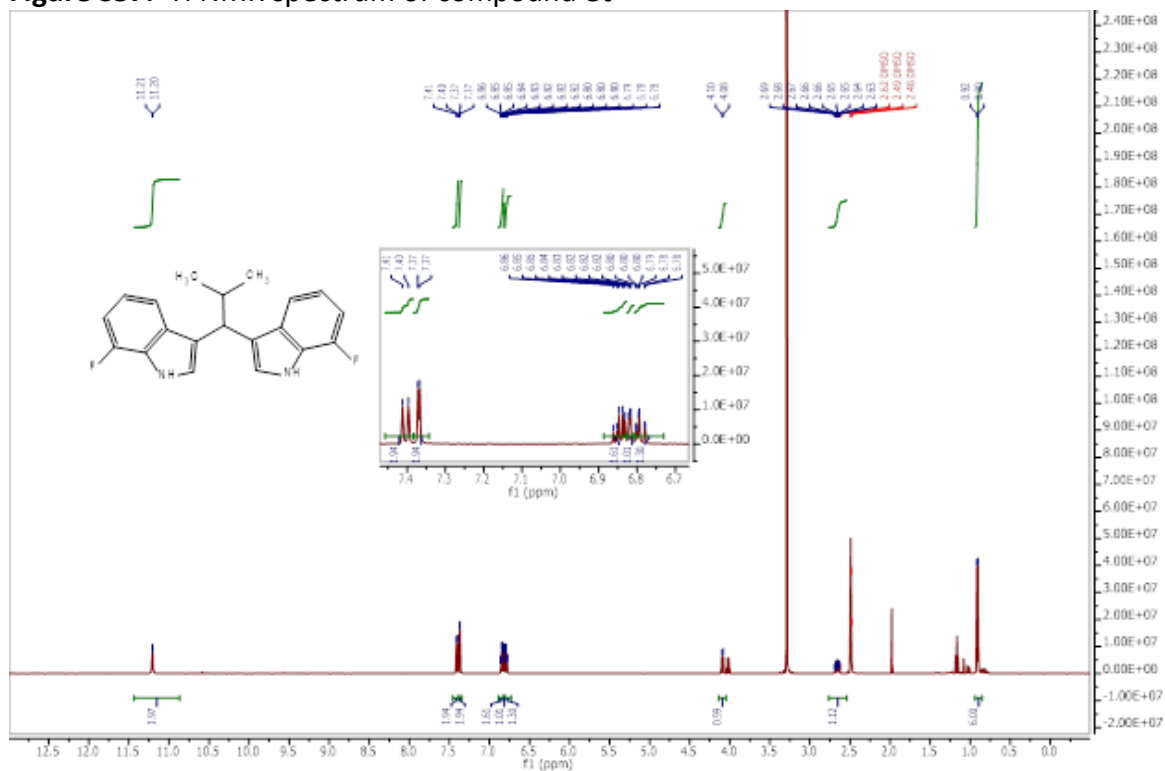
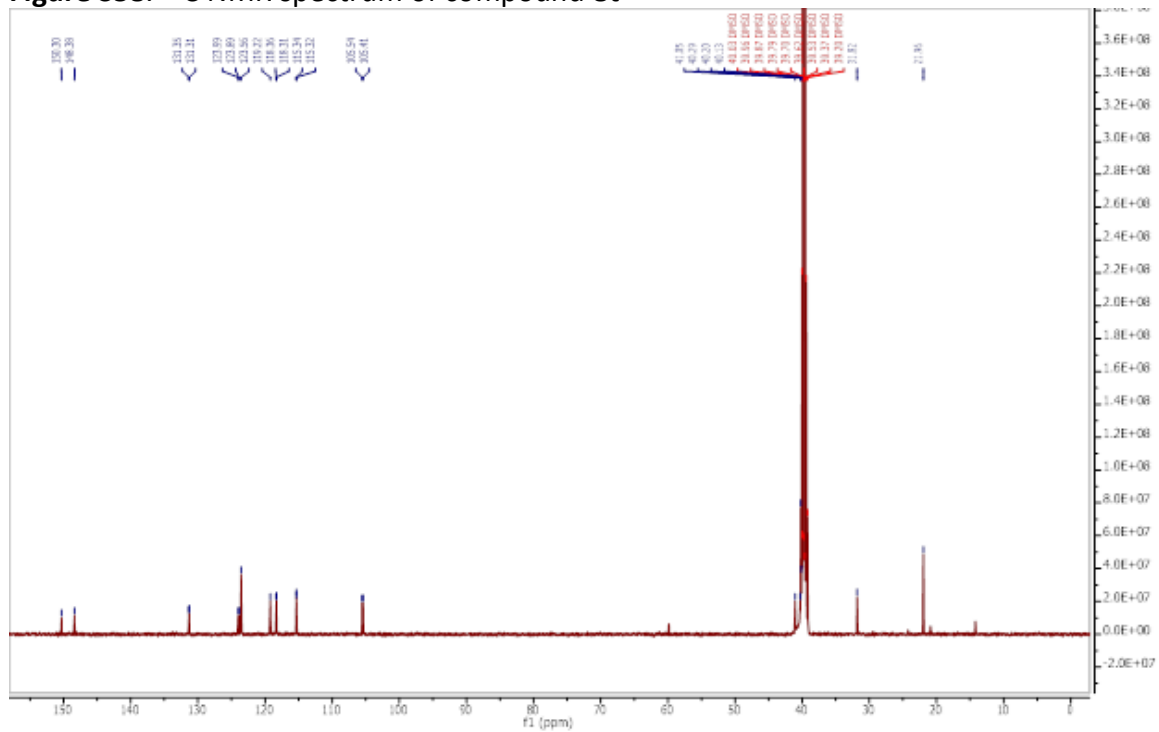
Figure S57. ¹H NMR spectrum of compound **8t**Figure S58. ¹³C NMR spectrum of compound **8t**

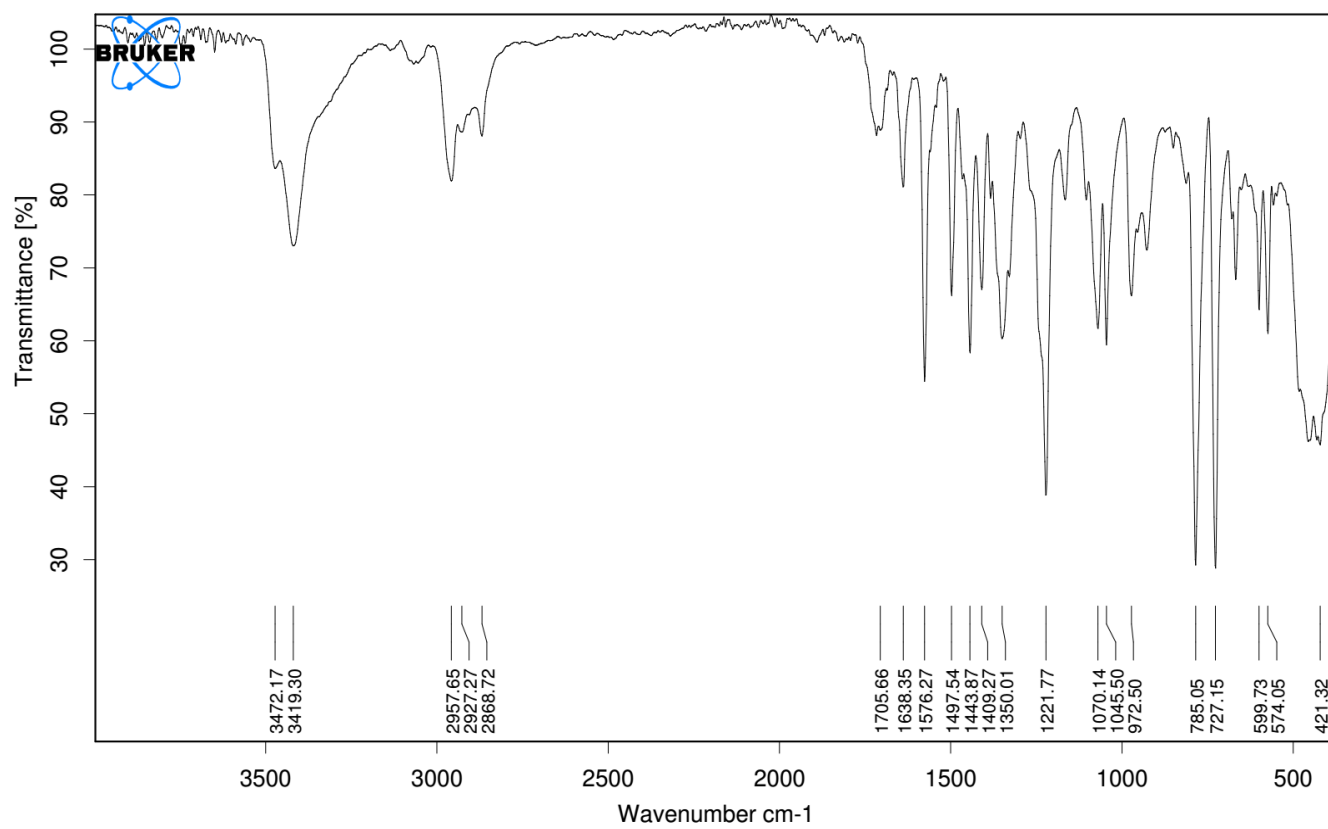
Figure S59. IR spectrum of compound **8t**

Figure S60. HRMS spectrum of compound 8t

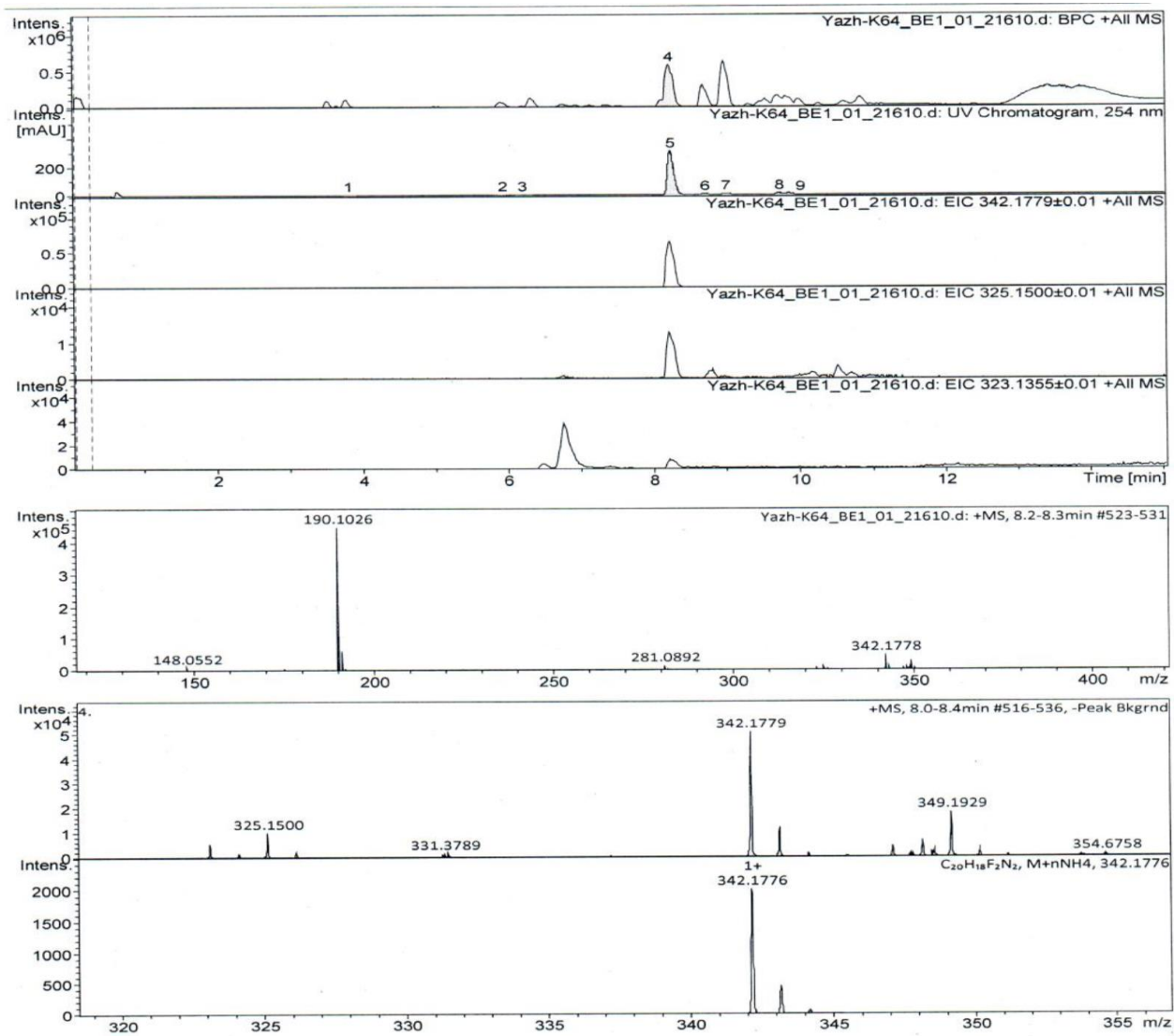


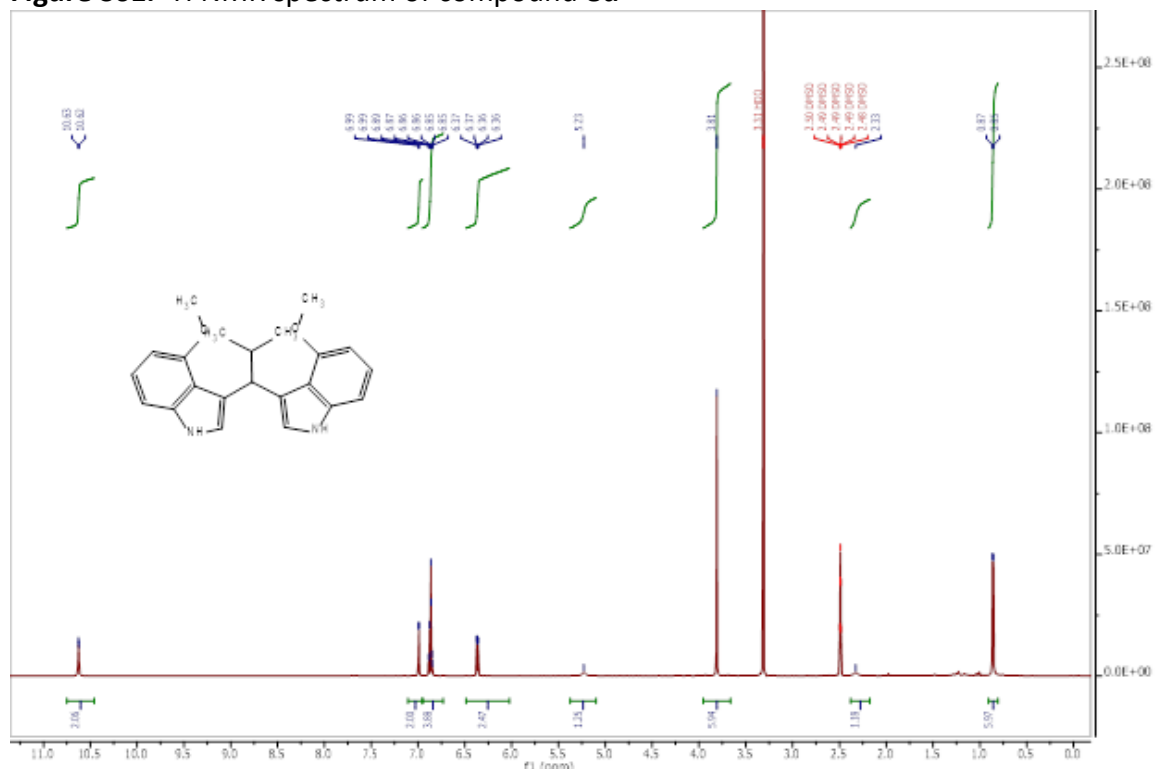
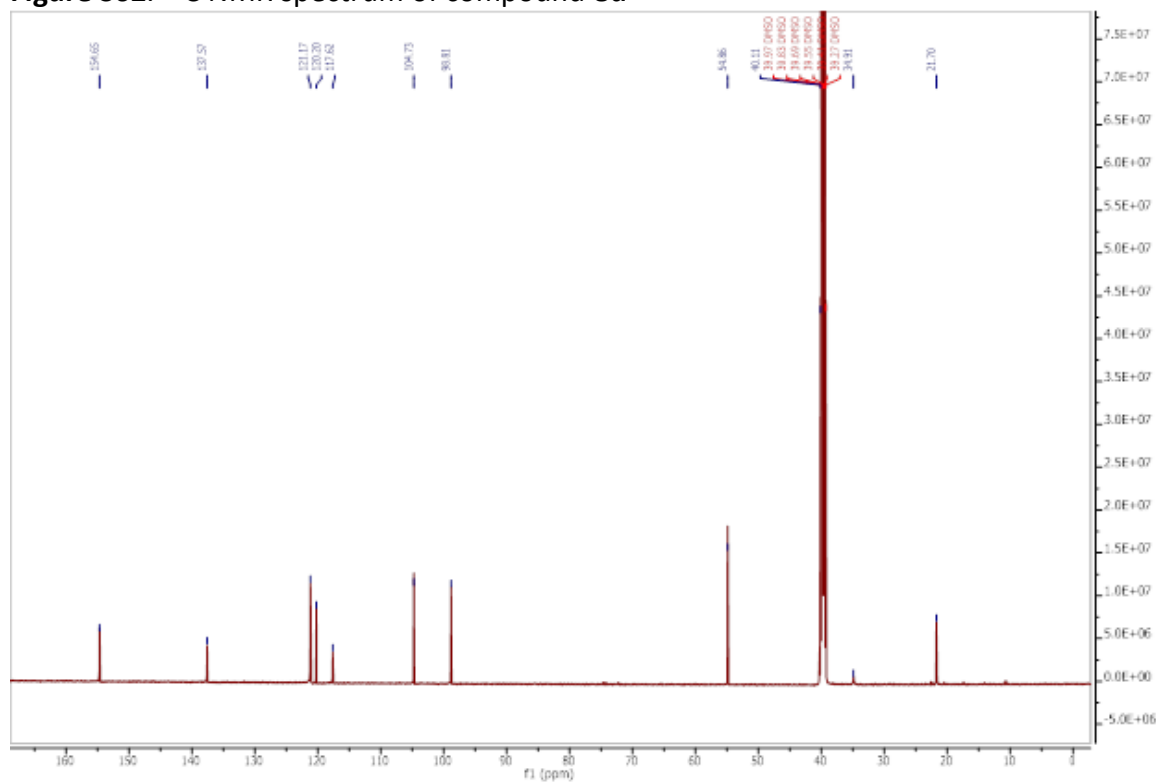
Figure S61. ^1H NMR spectrum of compound **8u**Figure S62. ^{13}C NMR spectrum of compound **8u**

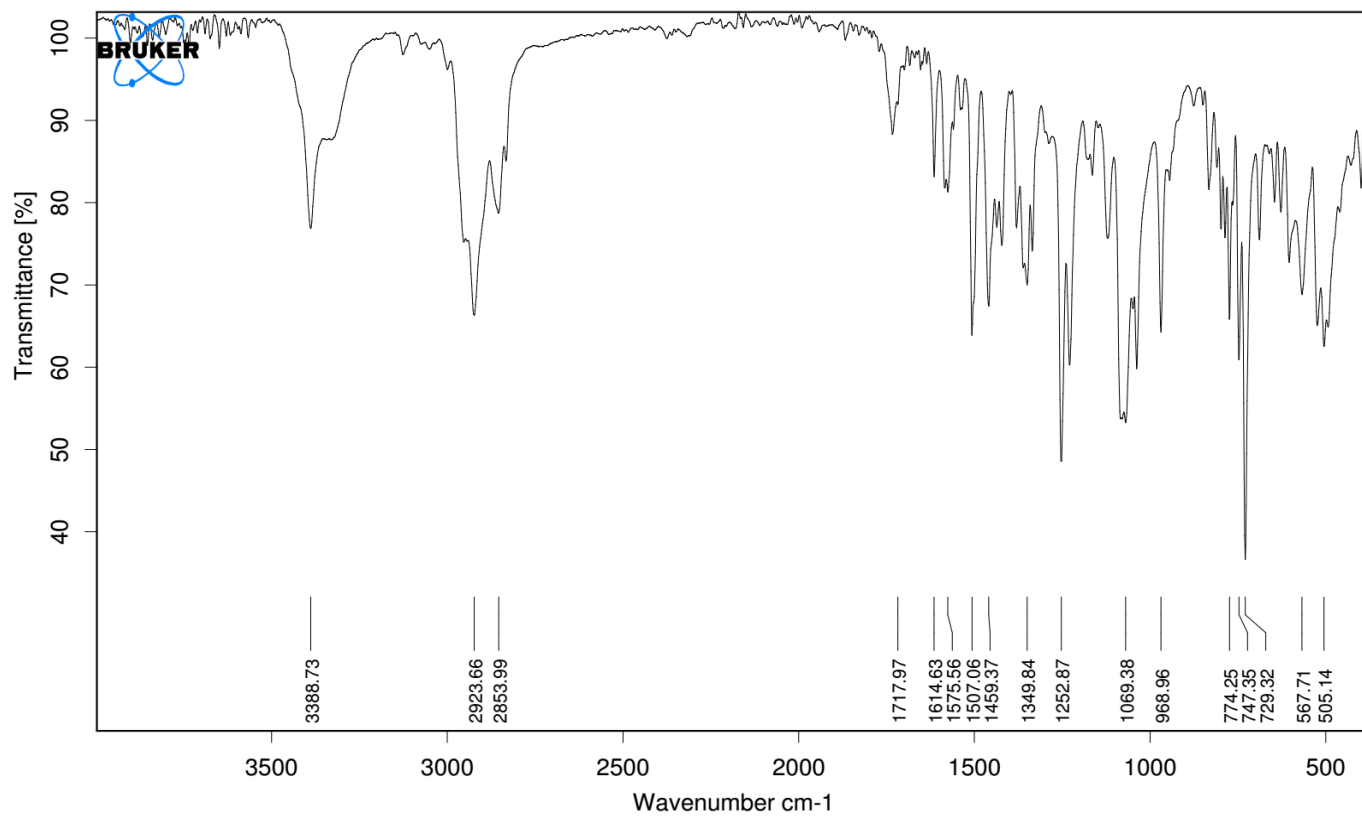
Figure S63. IR spectrum of compound **8u**

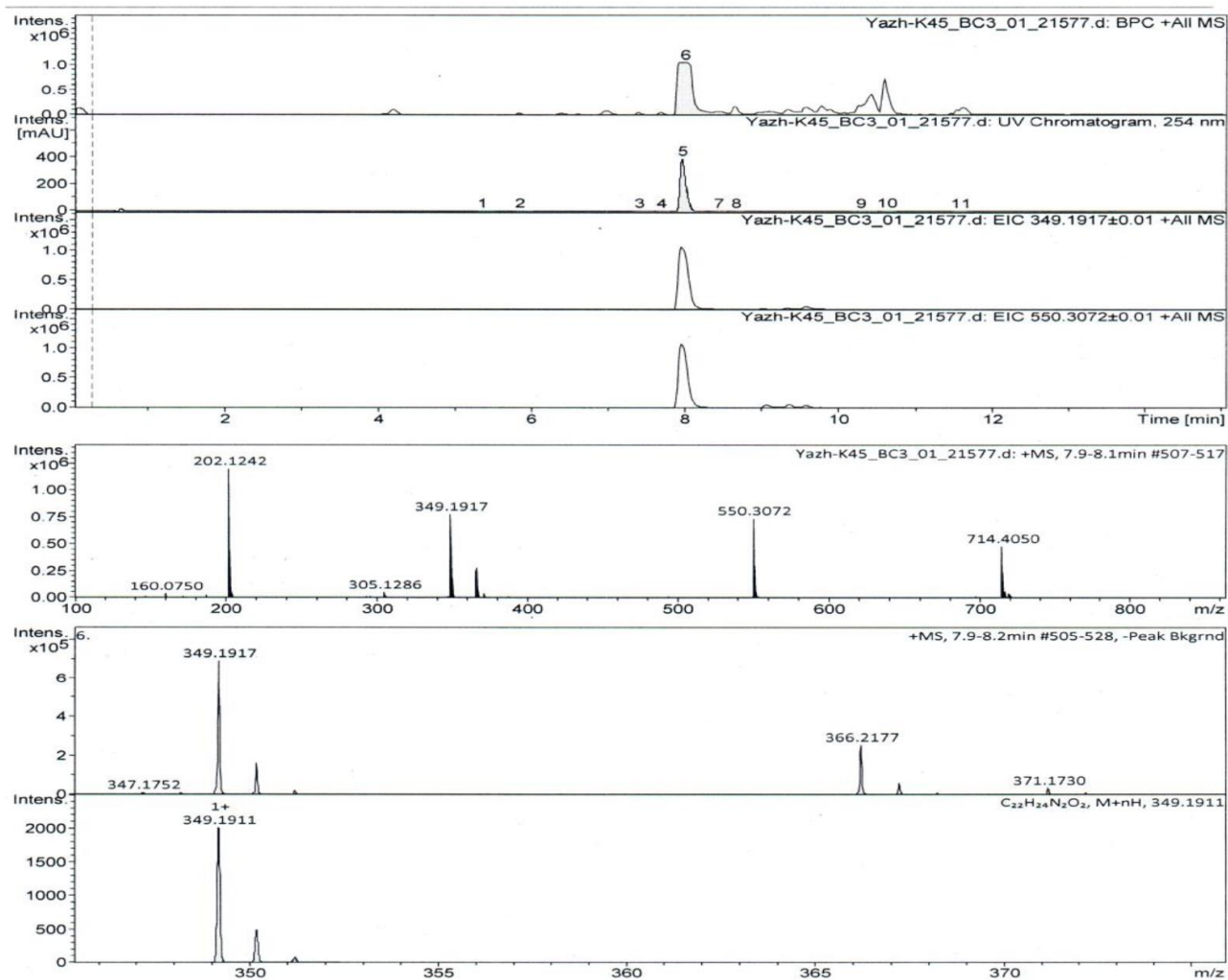
Figure S64. HRMS spectrum of compound **8u**

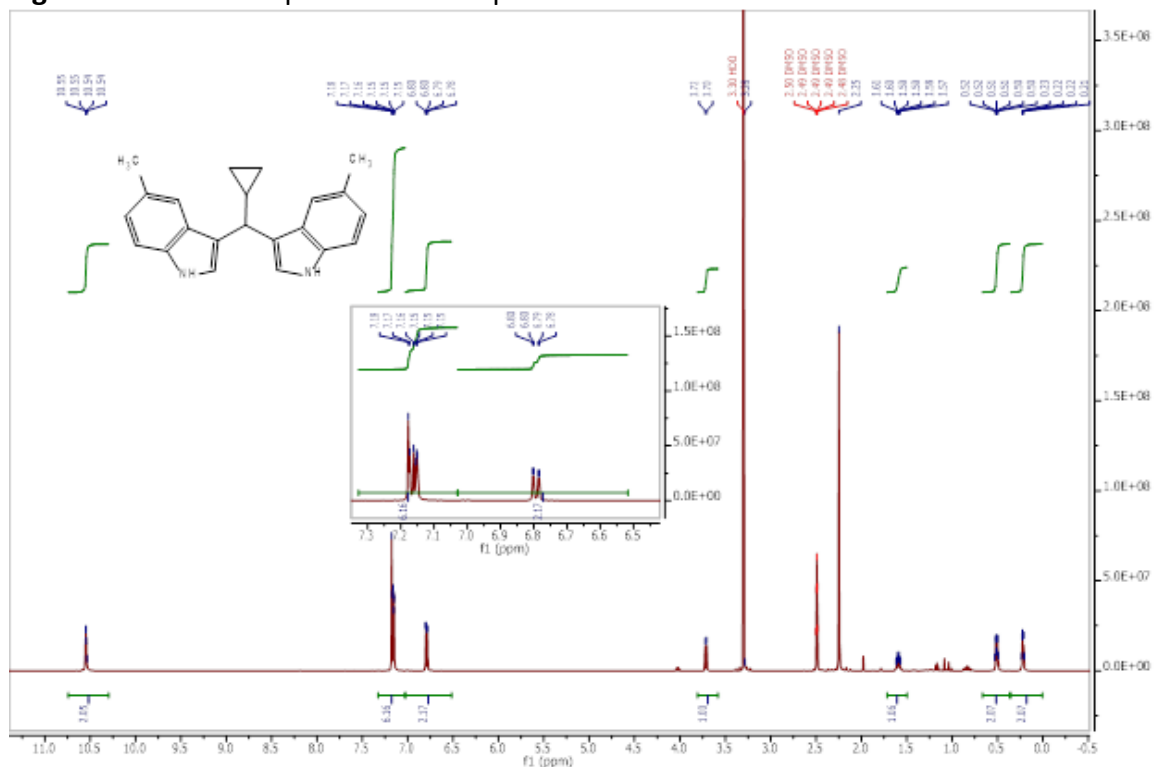
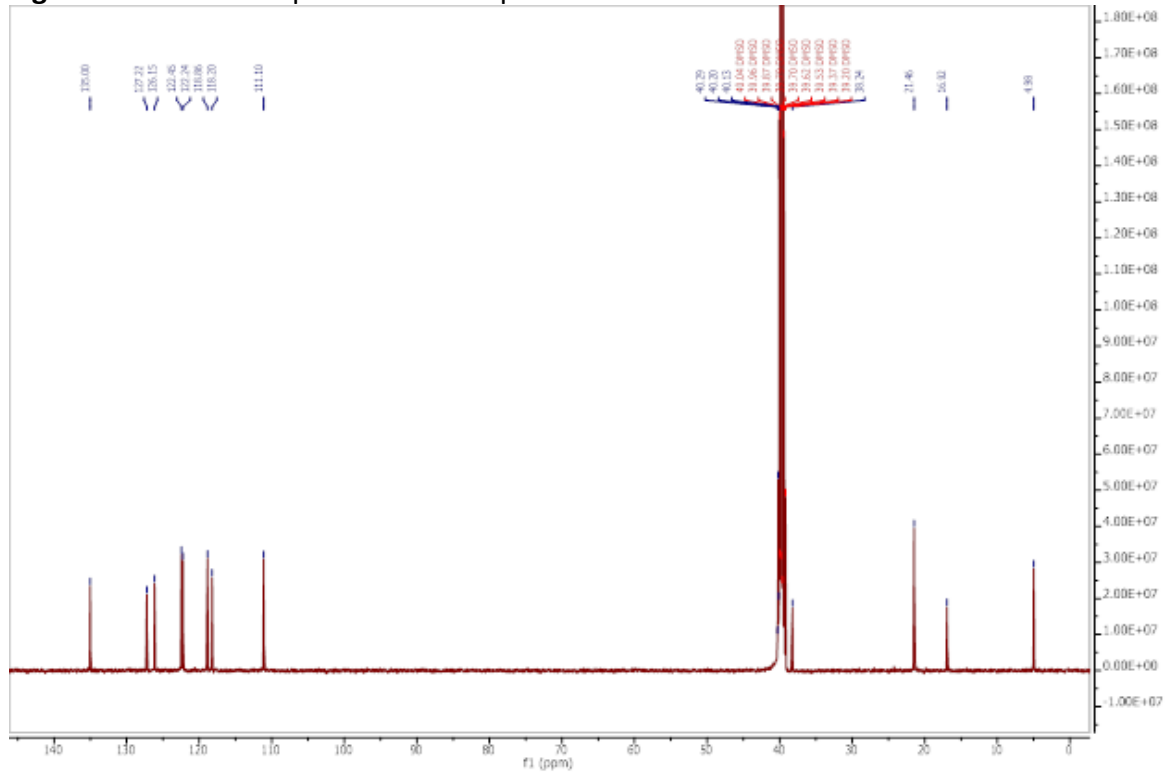
Figure S67. ^1H NMR spectrum of compound **8v**Figure S68. ^{13}C NMR spectrum of compound **8v**

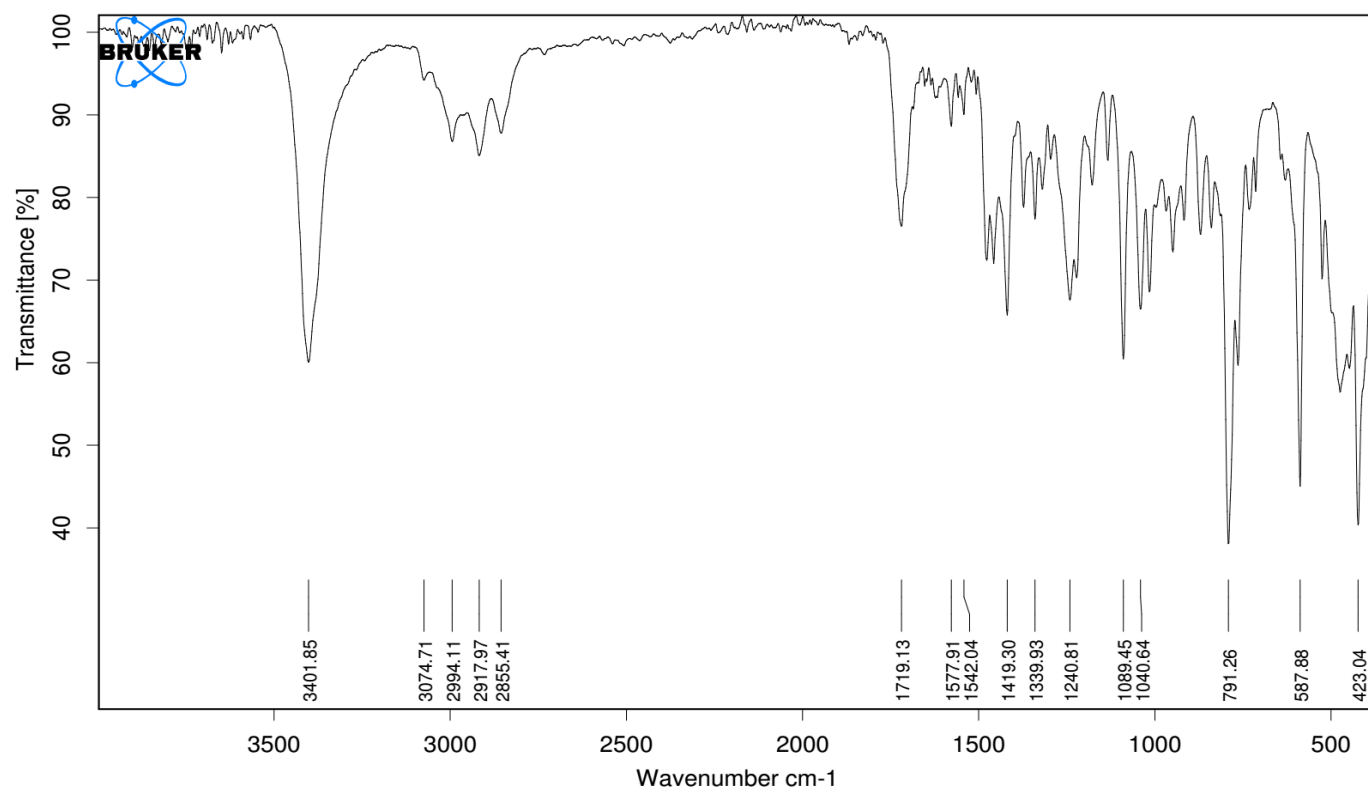
Figure S69. IR spectrum of compound **8v**

Figure S70. HRMS spectrum of compound 8v

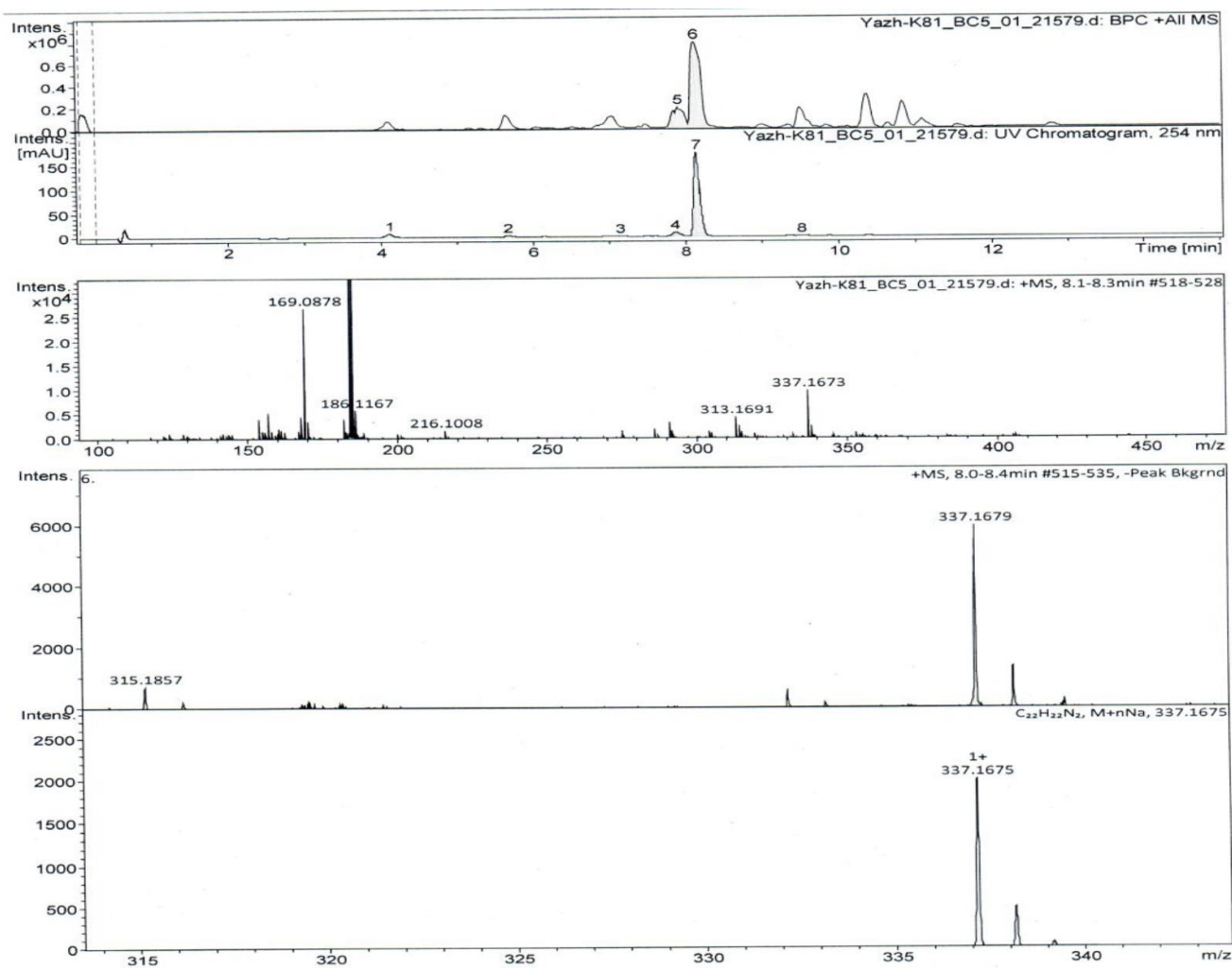


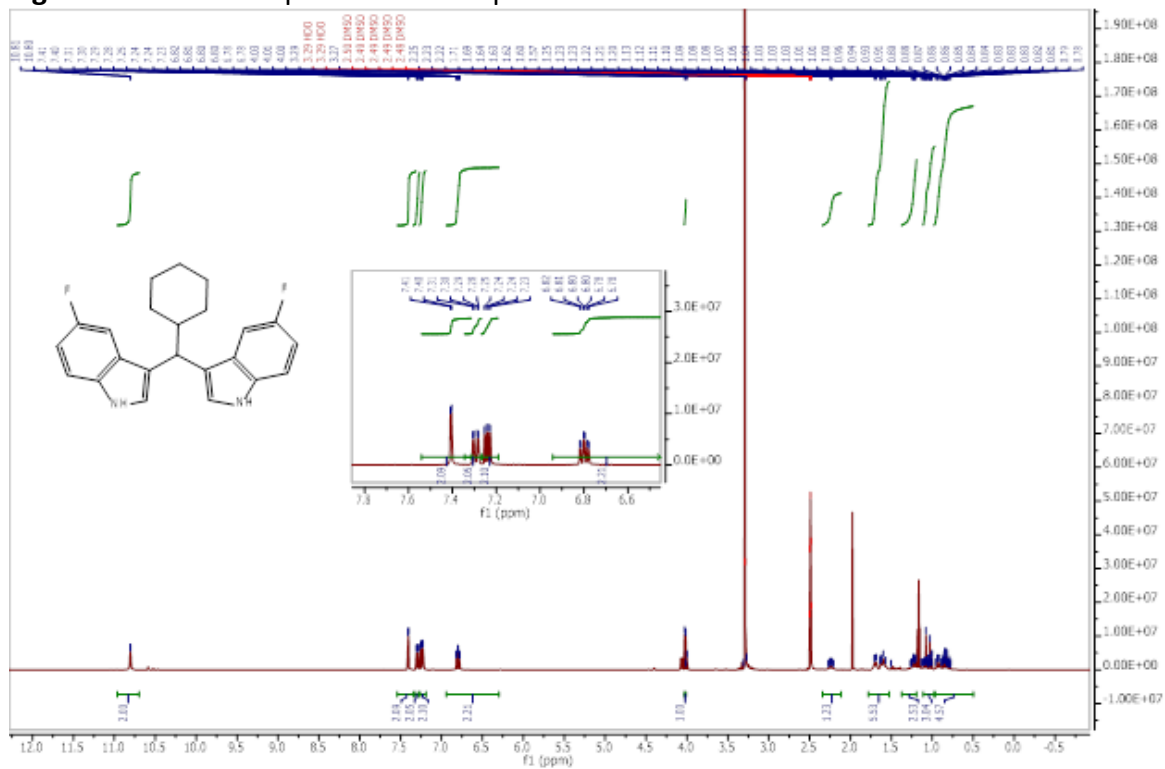
Figure S71. ^1H NMR spectrum of compound **8w**Figure S72. ^{13}C NMR spectrum of compound **8w**

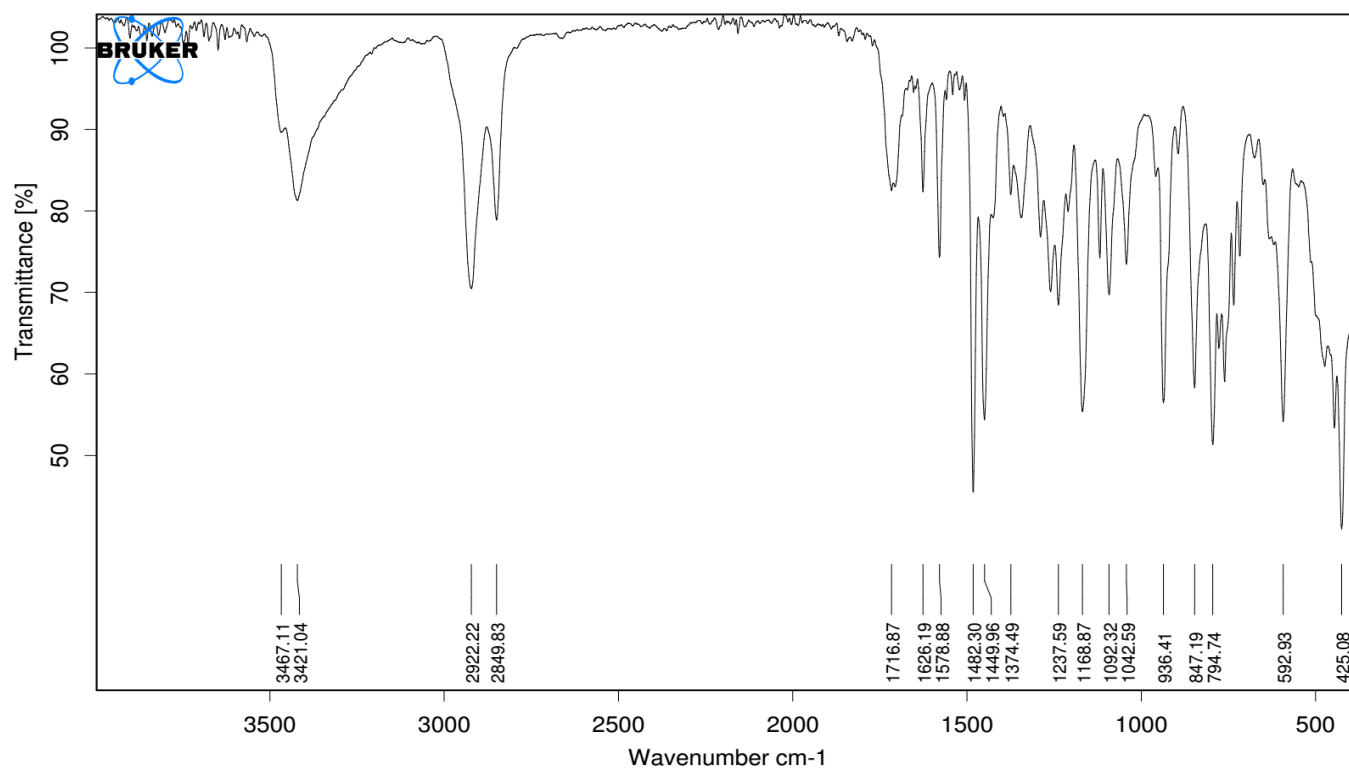
Figure S73. IR spectrum of compound **8w**

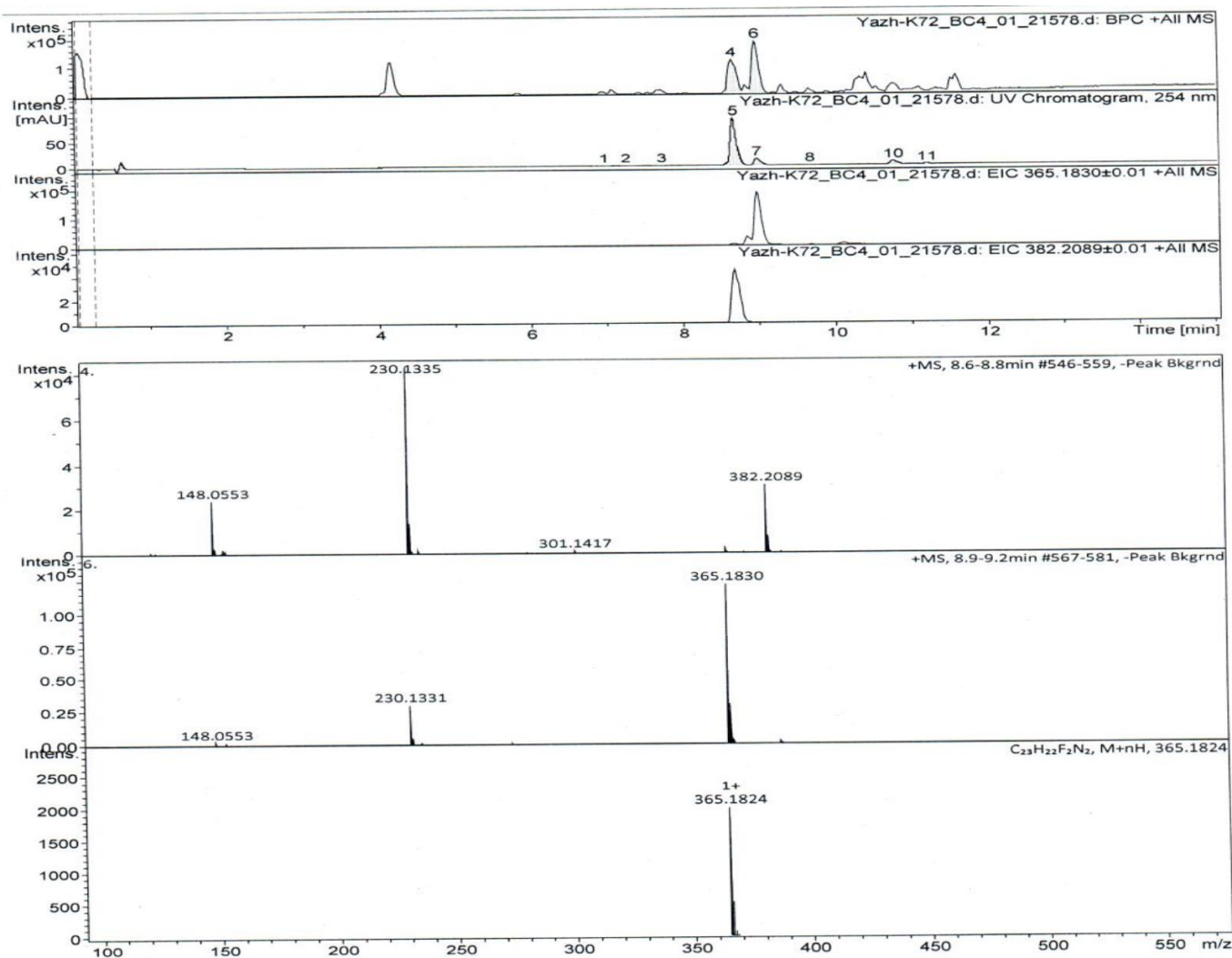
Figure S74. HRMS spectrum of compound **8w**

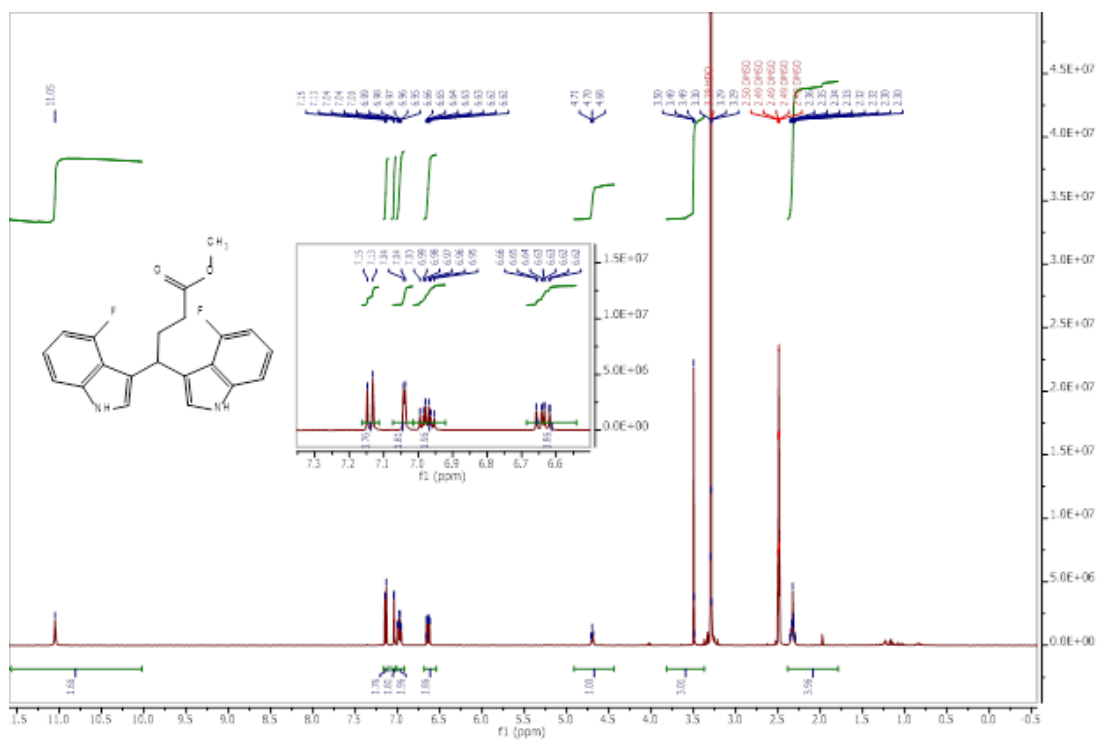
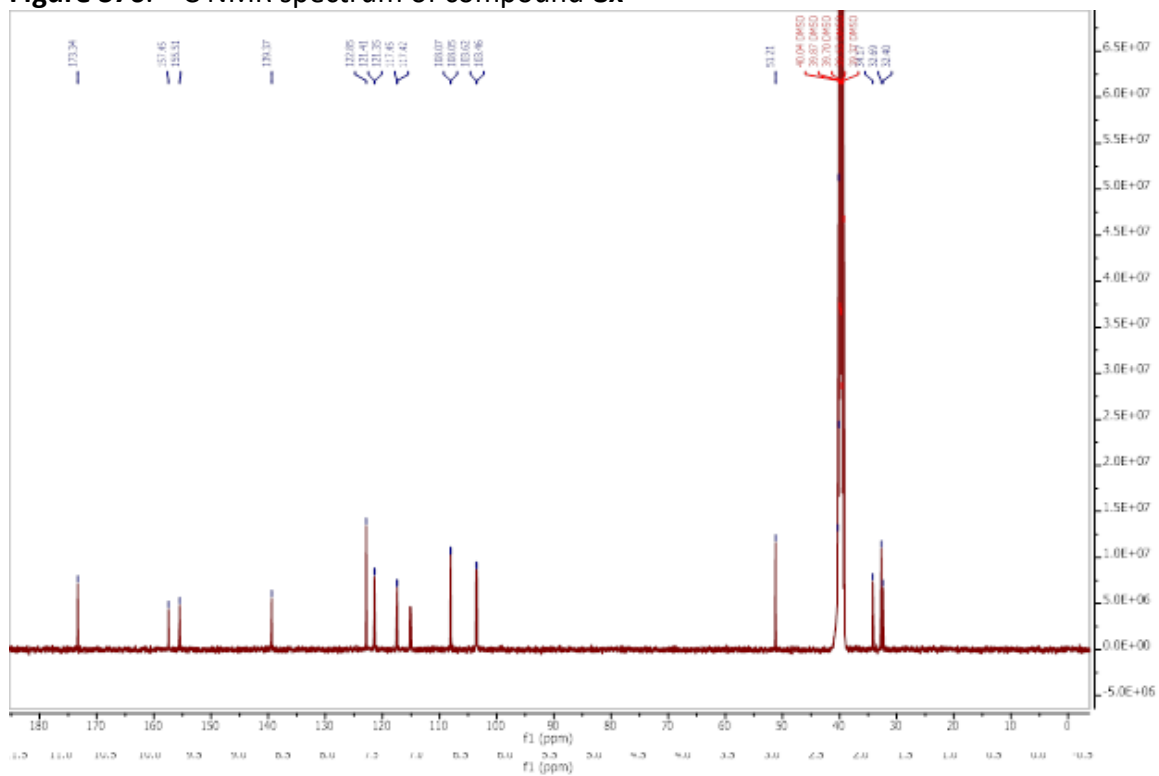
Figure S75. ^1H NMR spectrum of compound **8x**Figure S76. ^{13}C NMR spectrum of compound **8x**

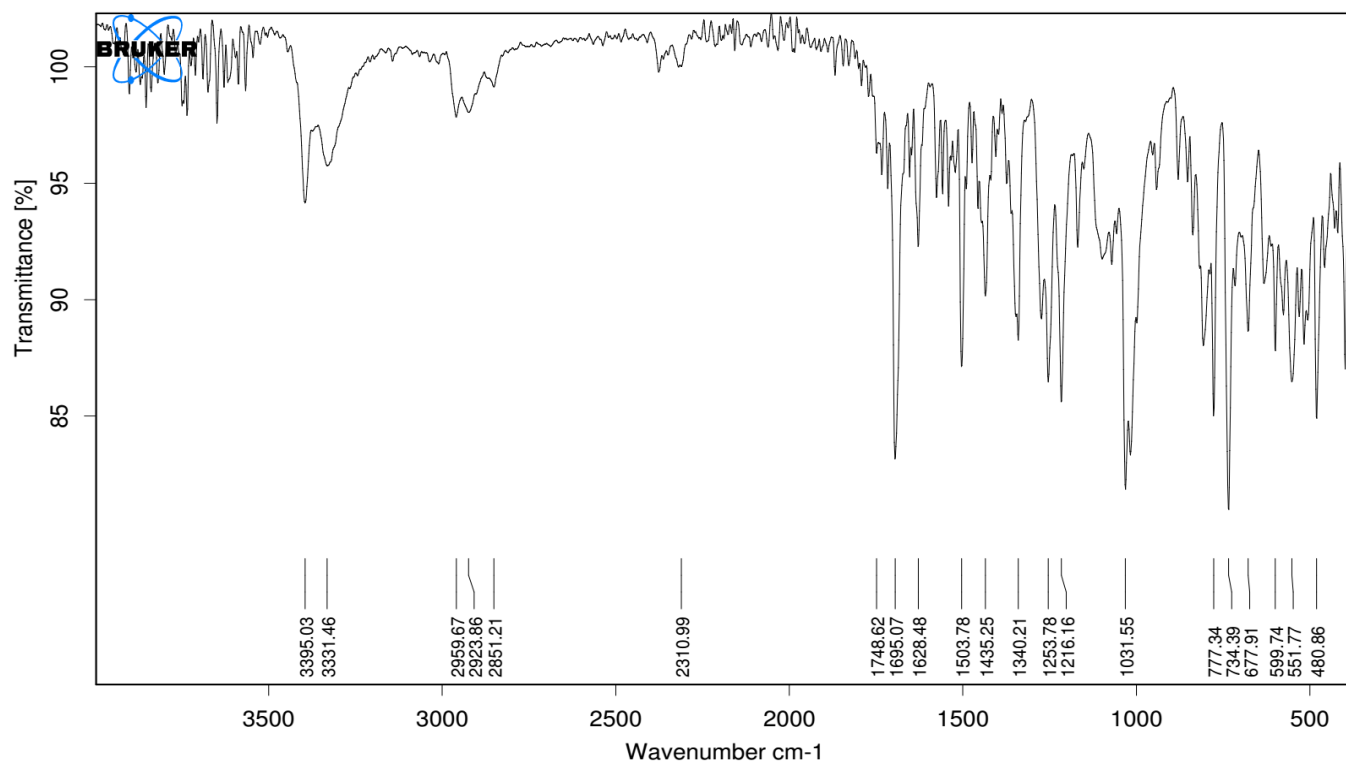
Figure S77. IR spectrum of compound **8x**

Figure S78. HRMS spectrum of compound **8x**

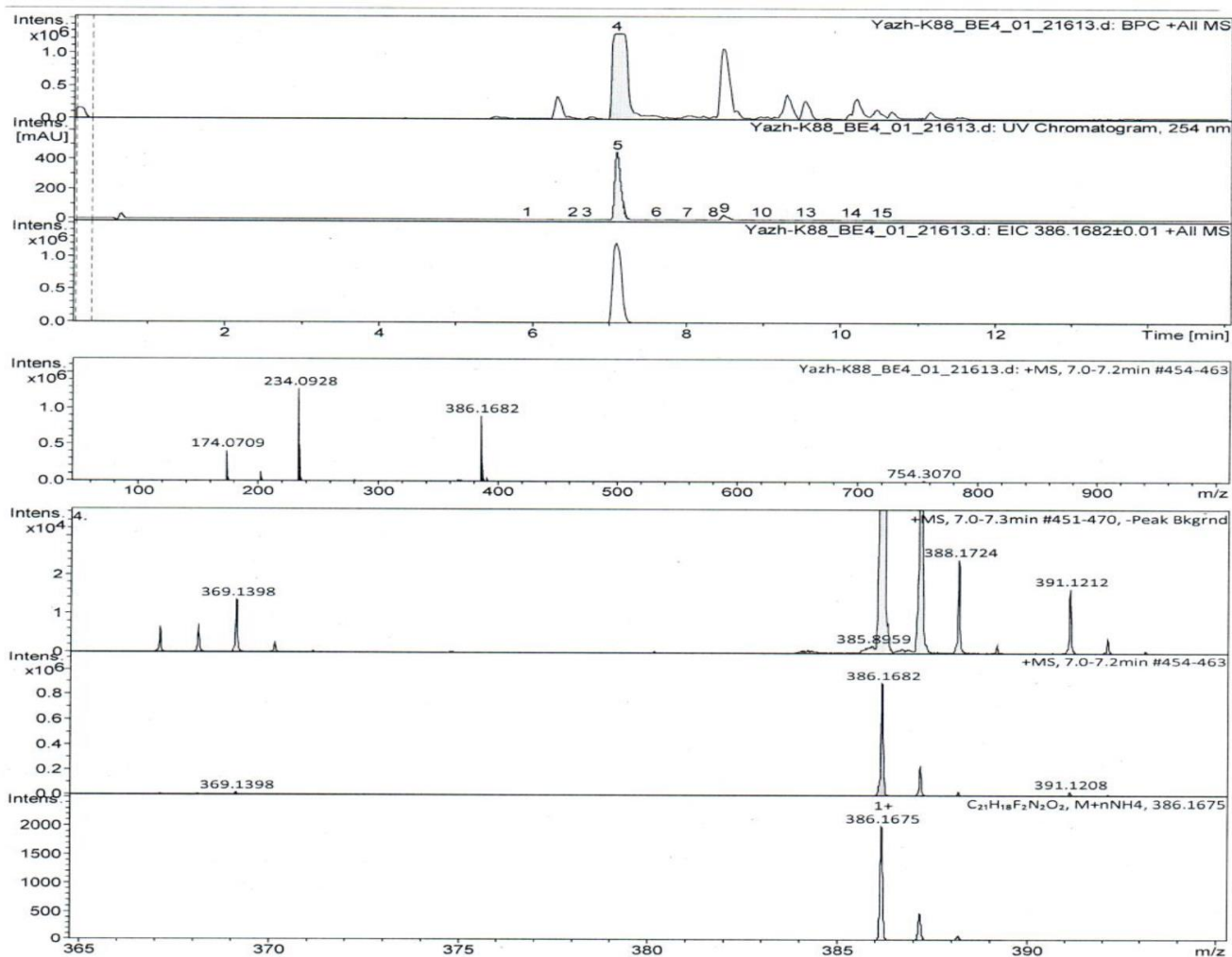


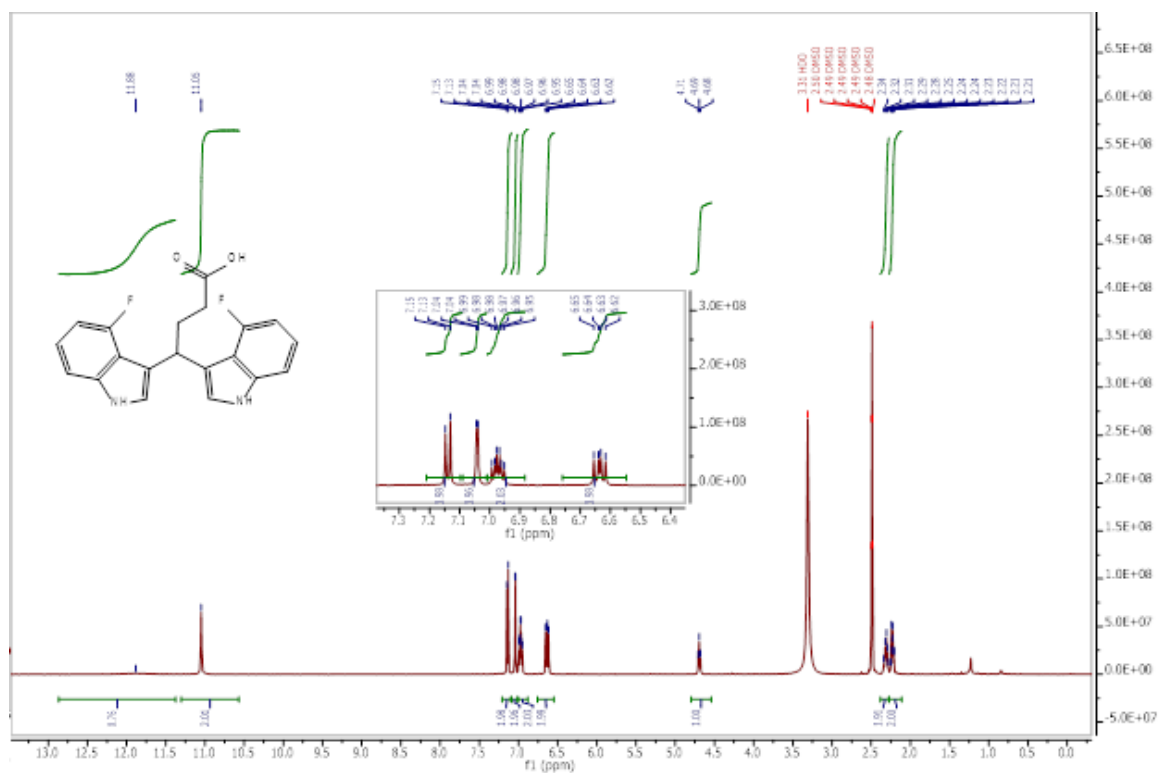
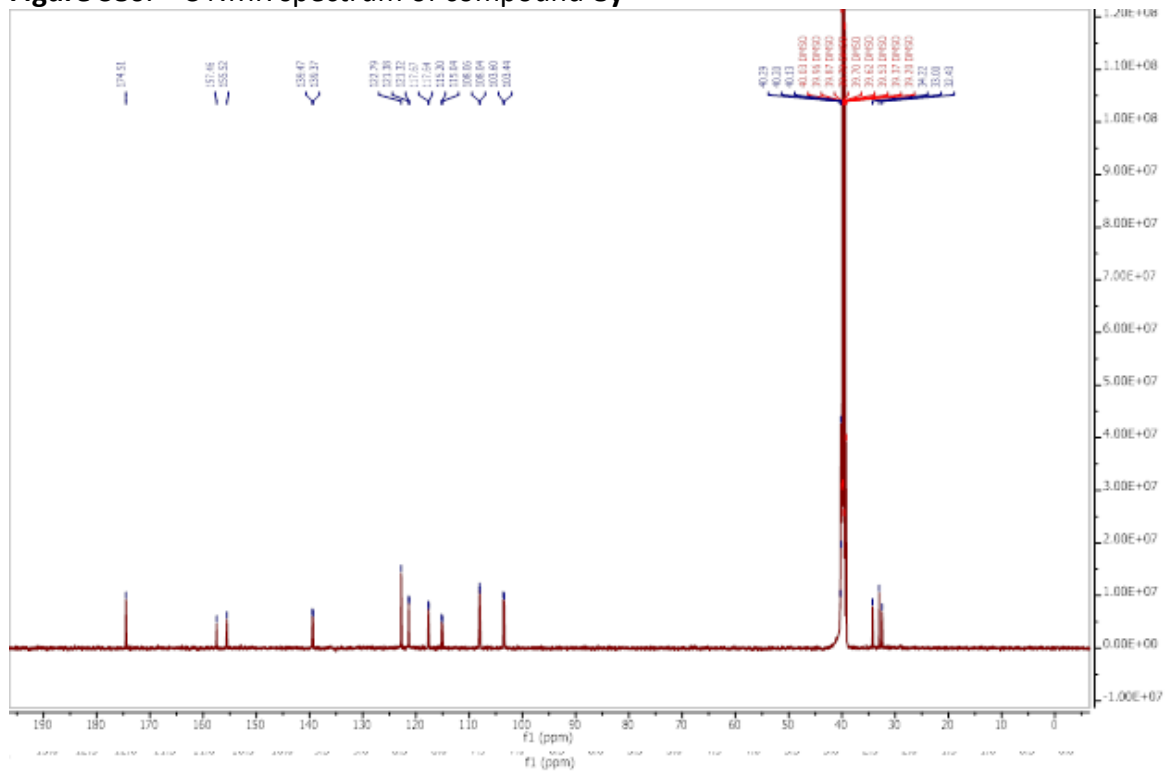
Figure S79. ^1H NMR spectrum of compound **8y**Figure S80. ^{13}C NMR spectrum of compound **8y**

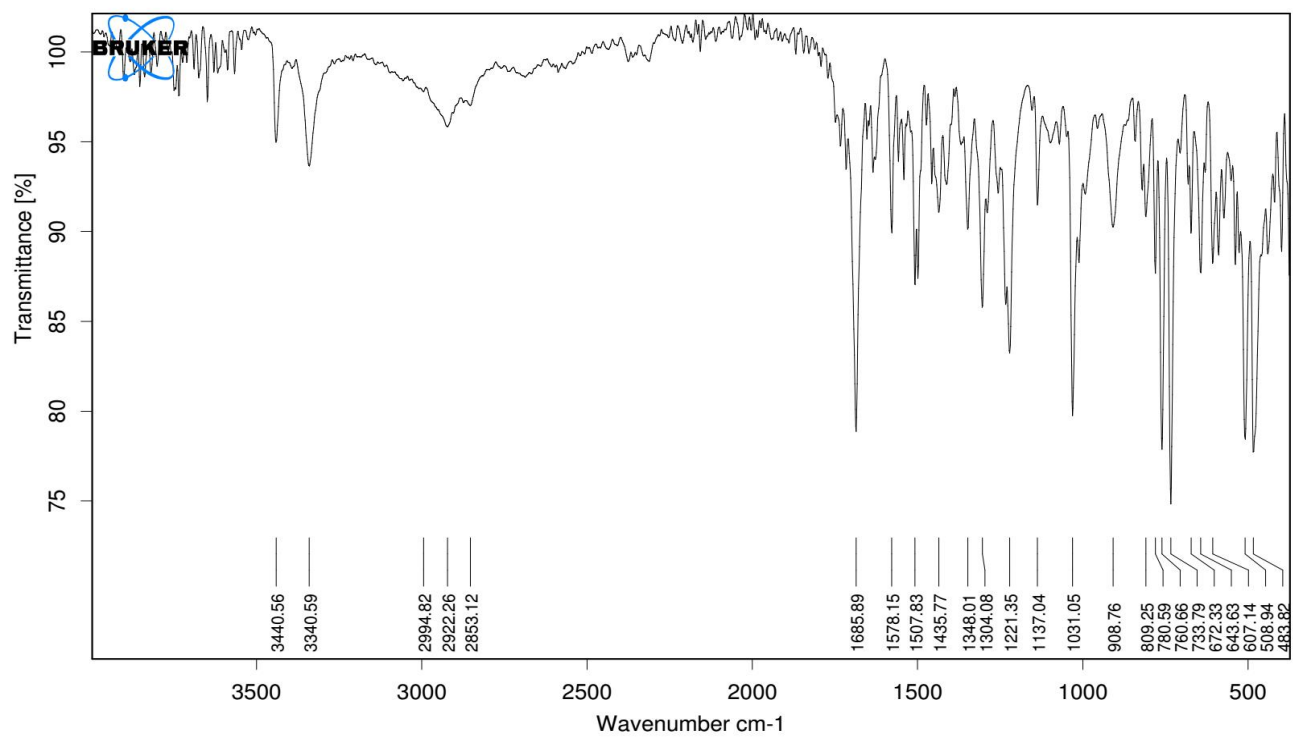
Figure S81. IR spectrum of compound **8y**

Figure S82. HRMS spectrum of compound **8y**