

1. The molecular docking results

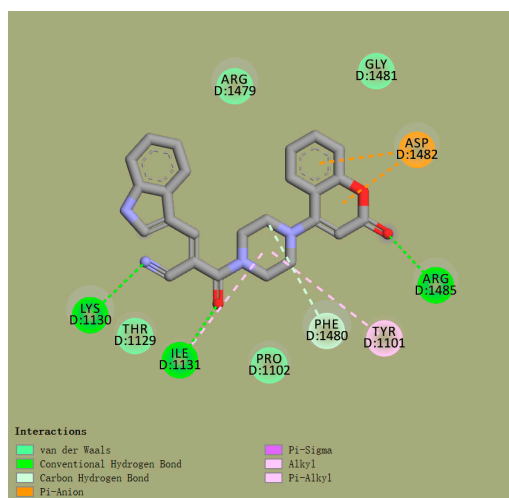


Figure S1. 2D image of DNA gyrase docked with **5a**

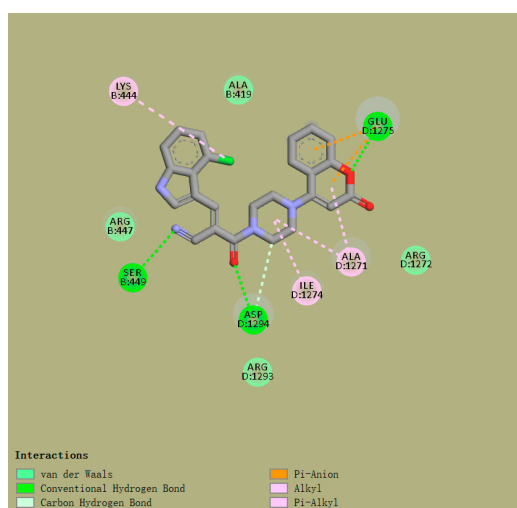


Figure S2. 2D image of DNA gyrase docked with **5b**

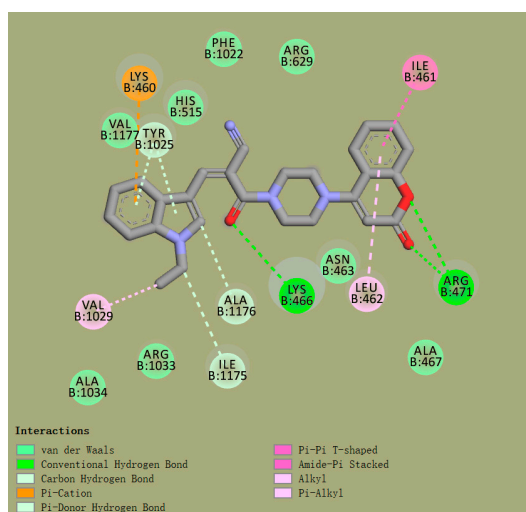


Figure S3. 2D image of DNA gyrase docked with **7a**

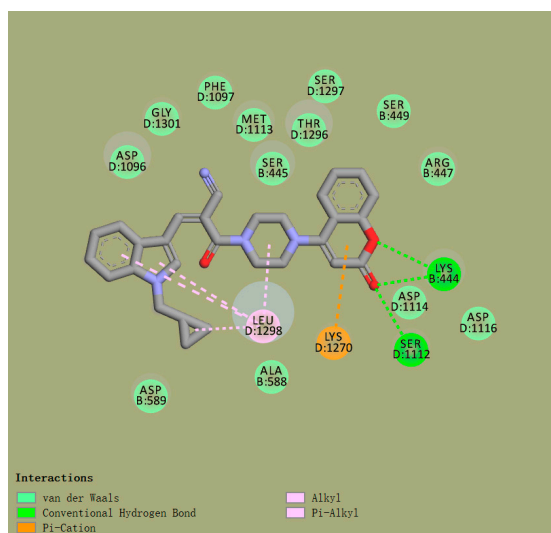


Figure S4. 2D image of DNA gyrase docked with **9a**

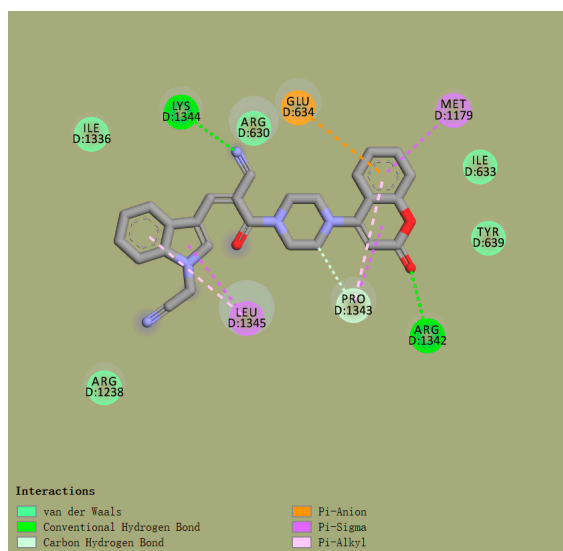
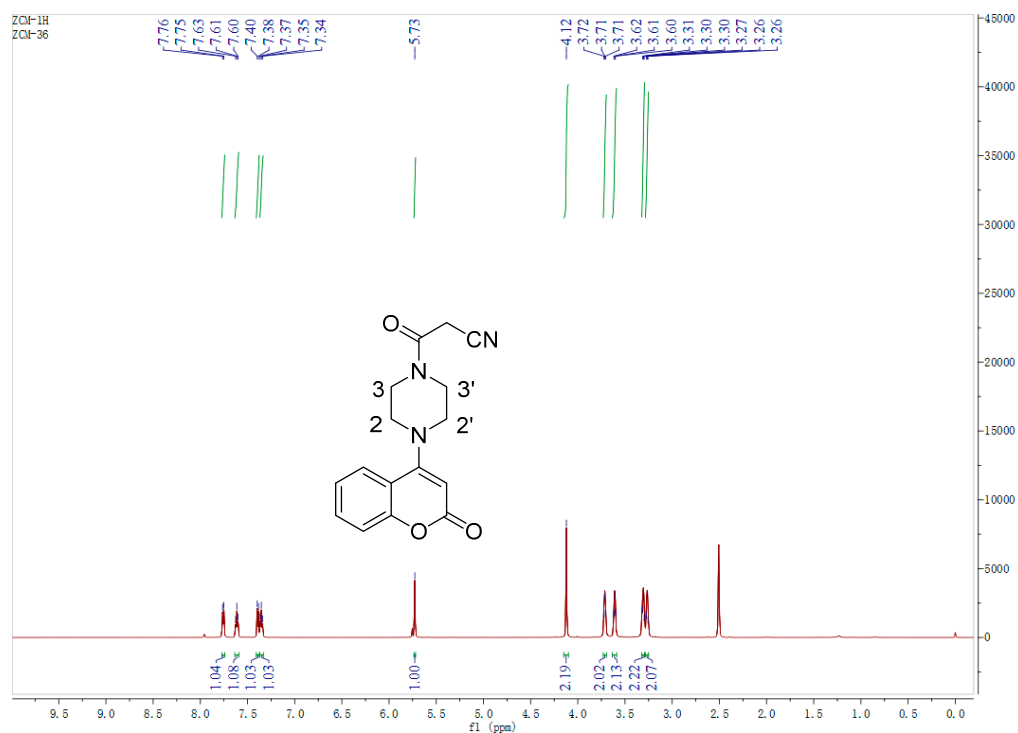


Figure S5. 2D image of DNA gyrase docked with **13a**

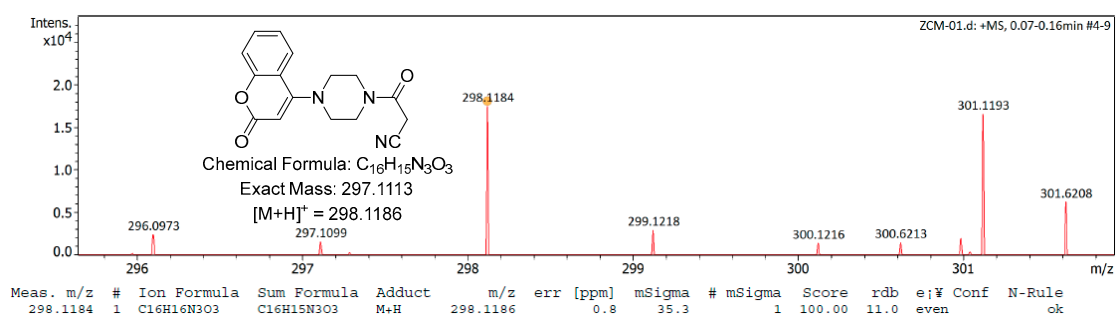
2. Characterizations of some representative compounds

2.1. Spectra of compound **3**

^1H NMR spectrum (600 MHz, 25 °C, DMSO- d_6)

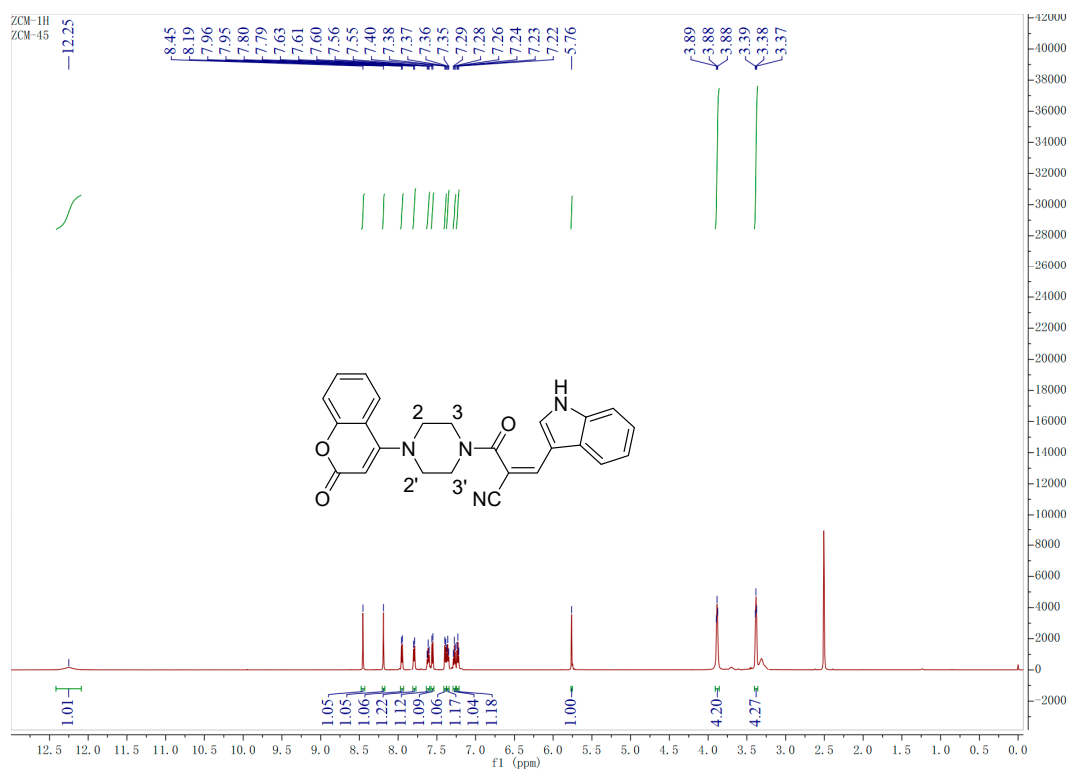


HRMS spectrum

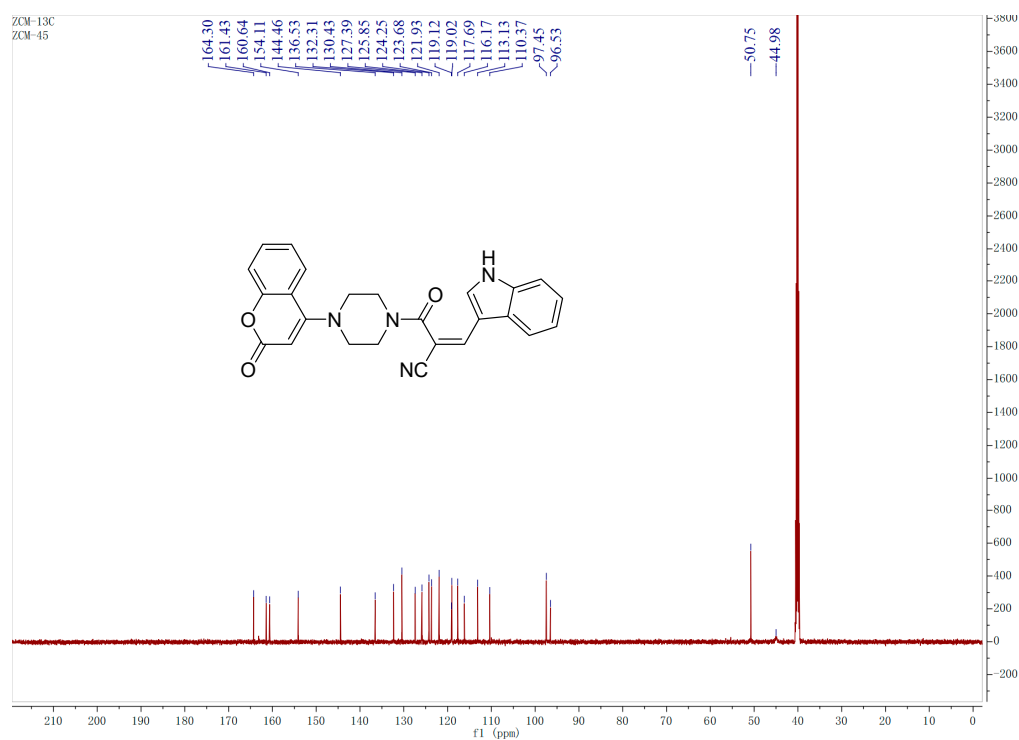


2.2. Spectra of compound **5a**

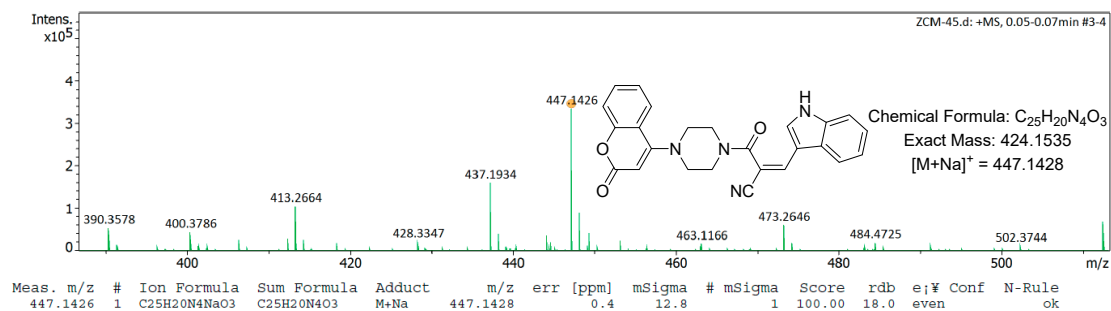
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

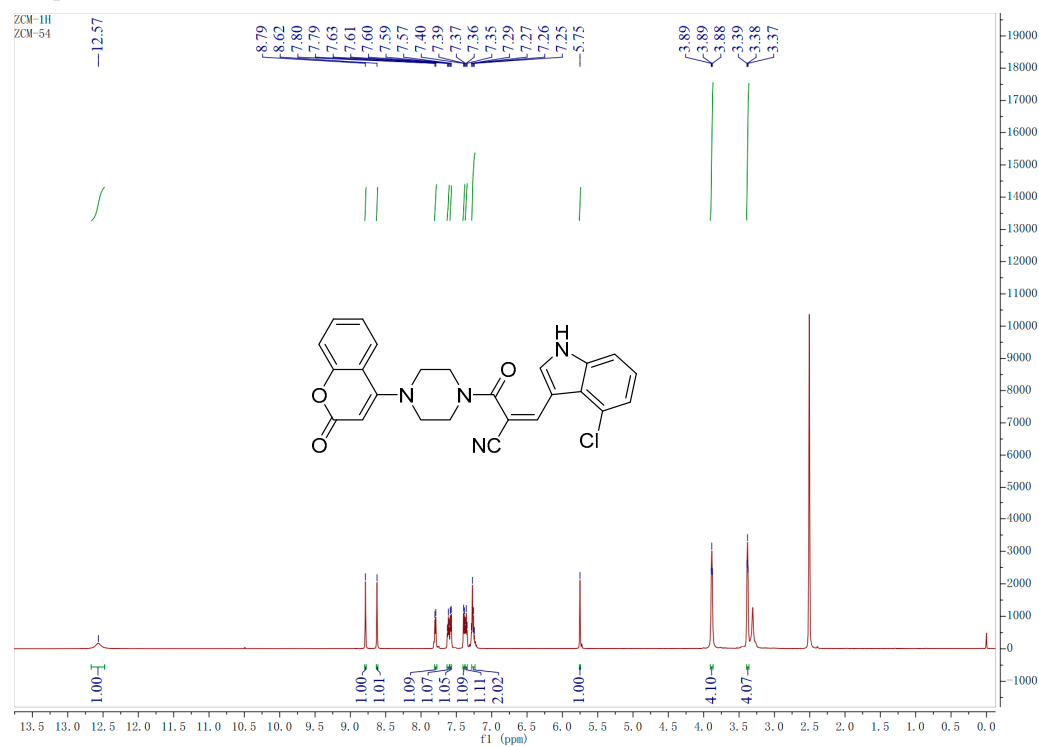


HRMS spectrum

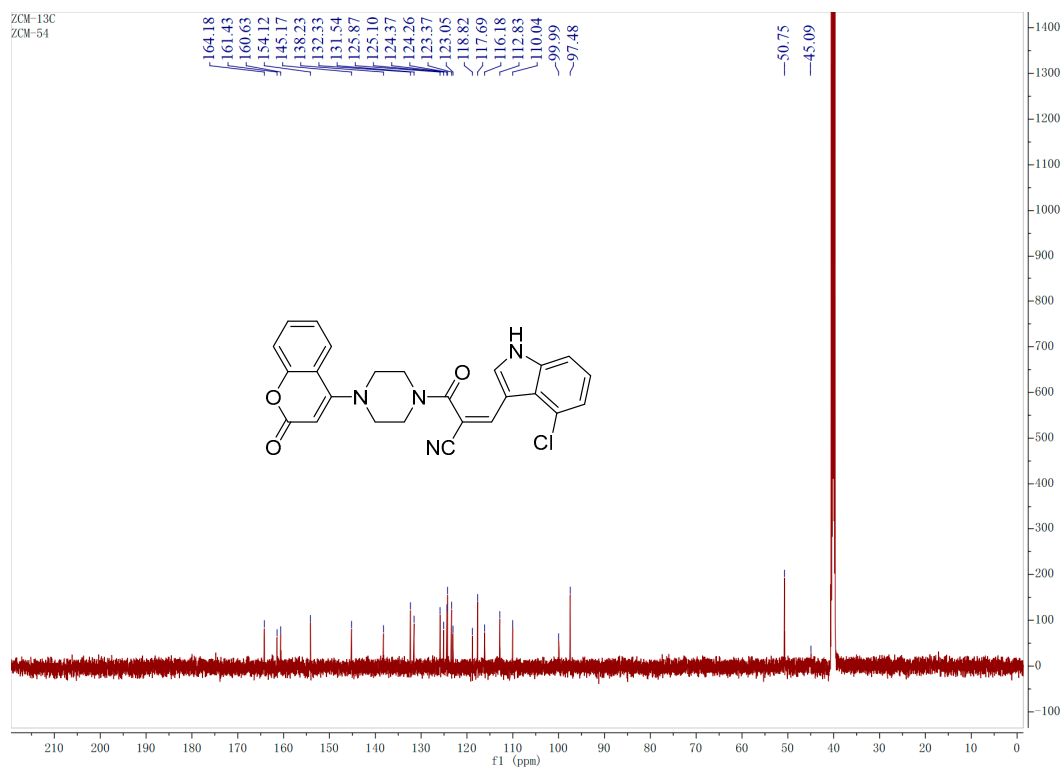


2.3. Spectra of compound **5b**

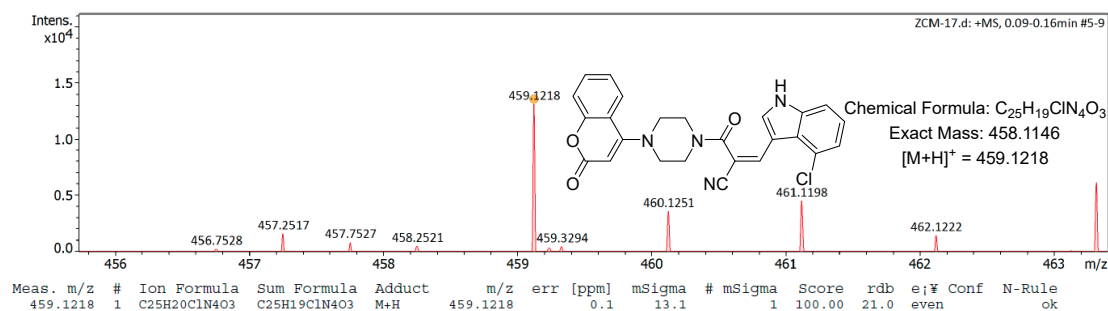
1H NMR spectrum (600 MHz, 25 °C, $DMSO-d_6$)



^{13}C NMR spectrum (151 MHz, 25 °C, $DMSO-d_6$)

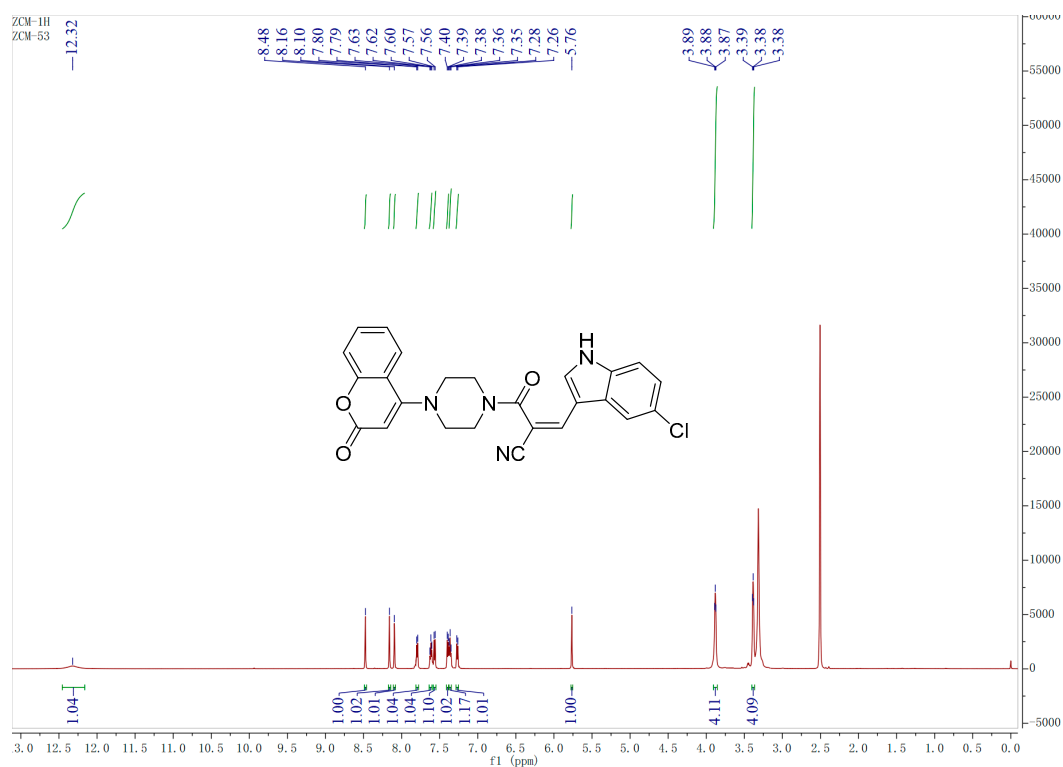


HRMS spectrum

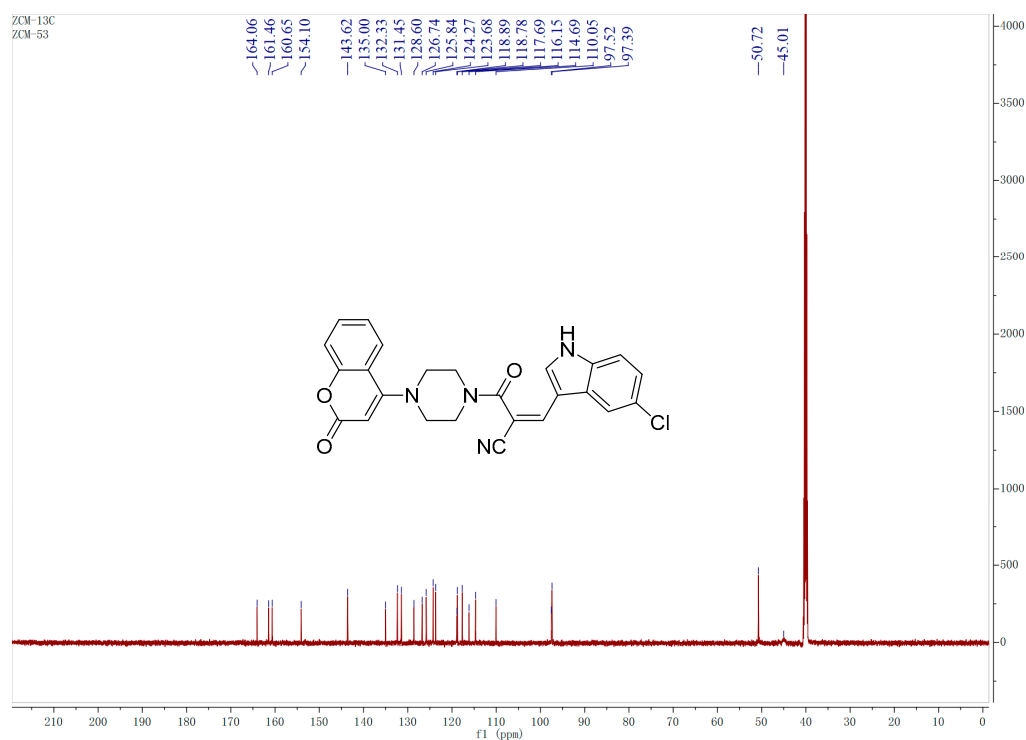


2.4. Spectra of compound 5c

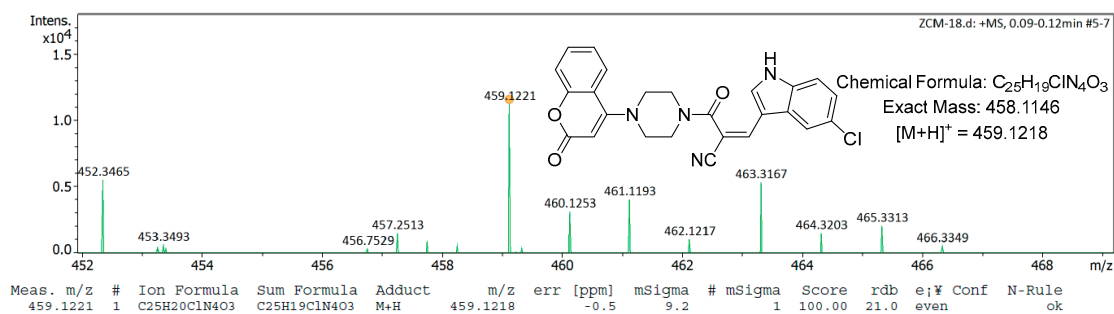
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

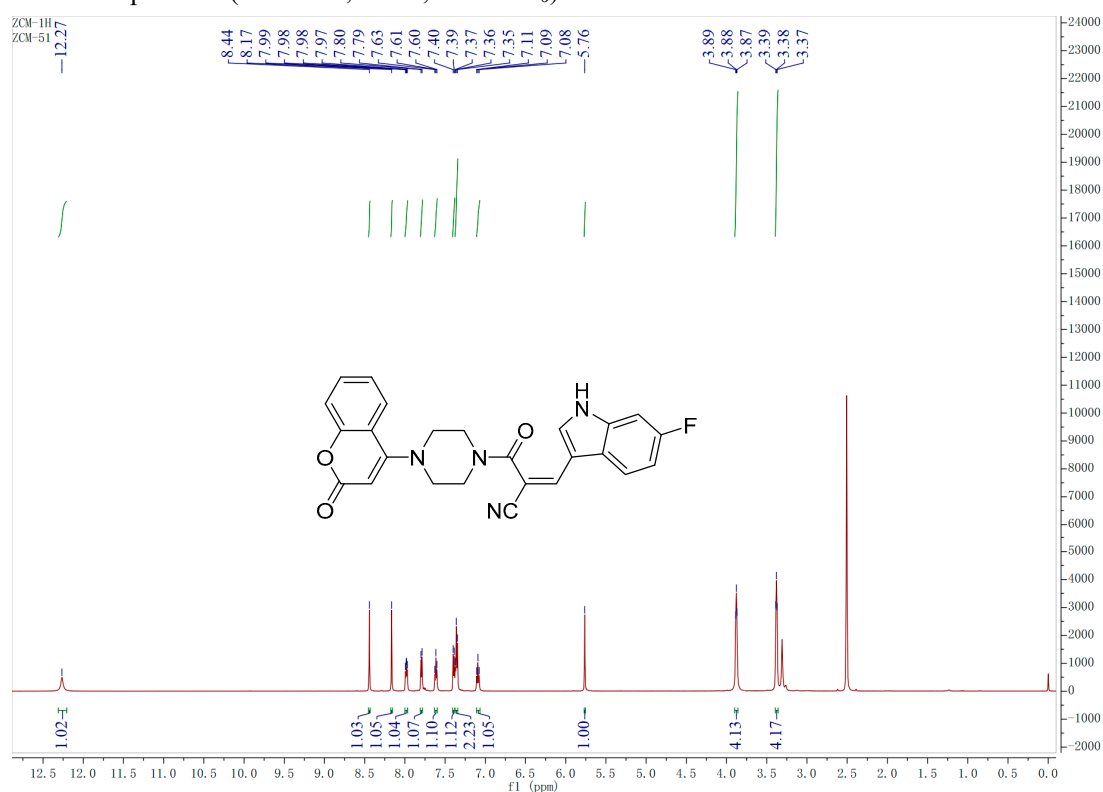


HRMS spectrum

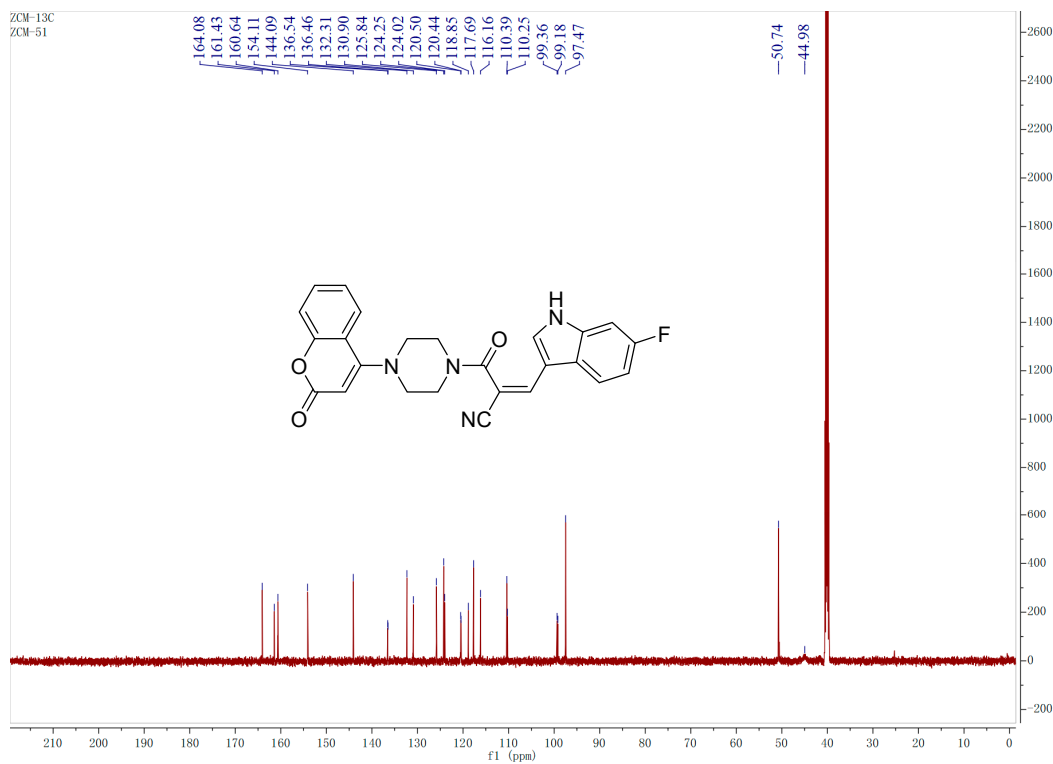


2.5. Spectra of compound 5d

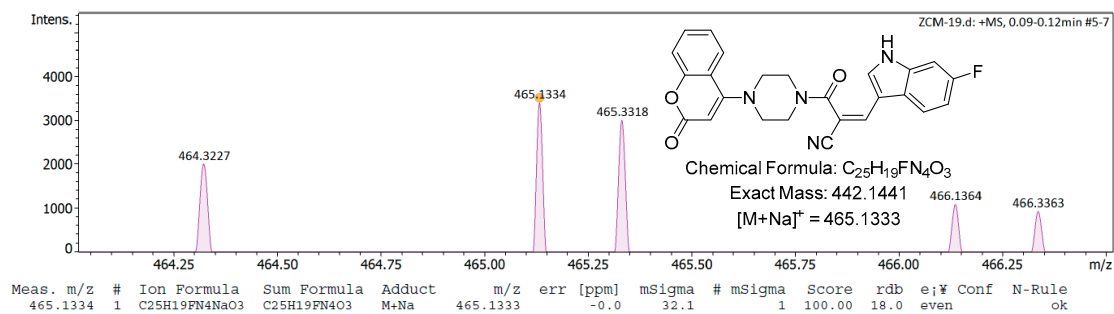
1H NMR spectrum (600 MHz, 25 °C, DMSO- d_6)



^{13}C NMR spectrum (151 MHz, 25 °C, DMSO- d_6)

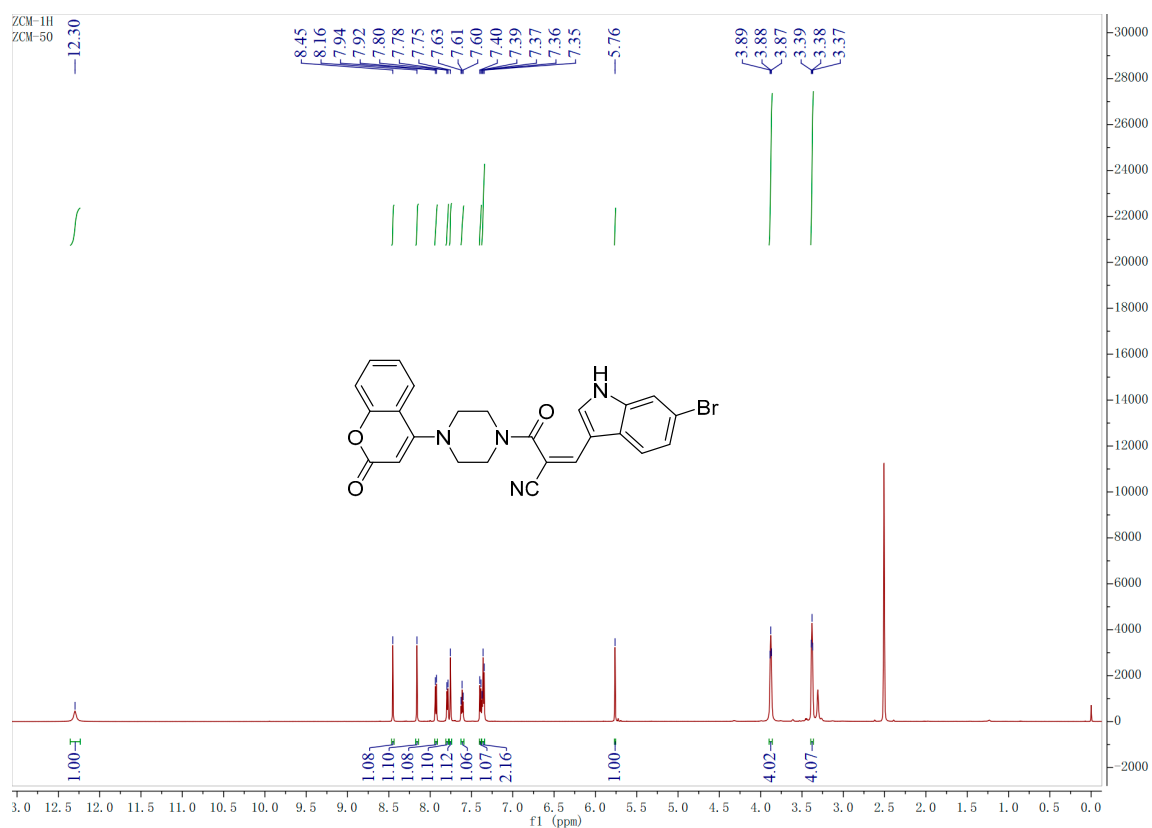


HRMS spectrum

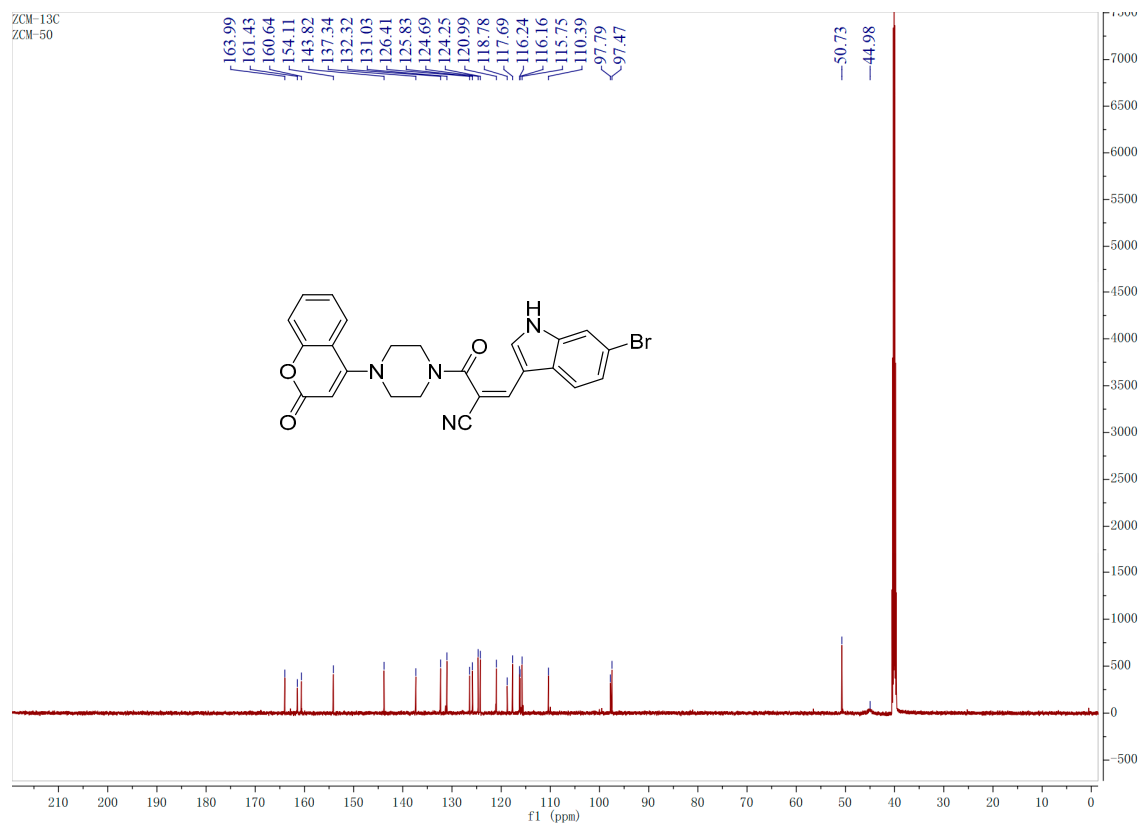


2.6. Spectra of compound **5e**

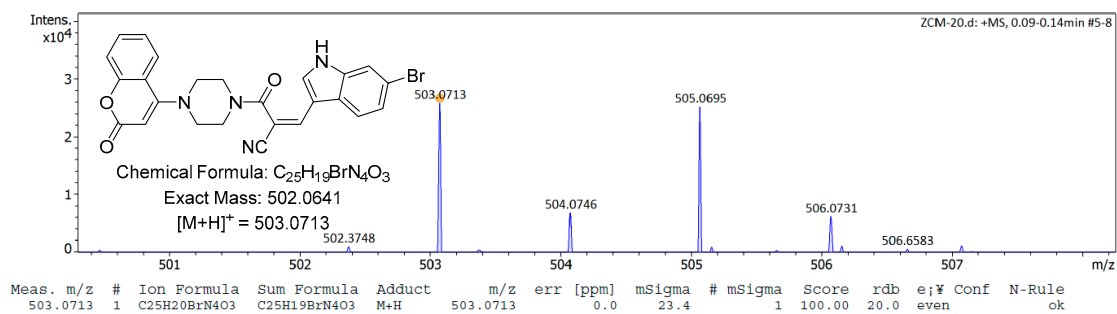
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



^{13}C NMR spectrum (151 MHz, 25 °C, DMSO- d_6)

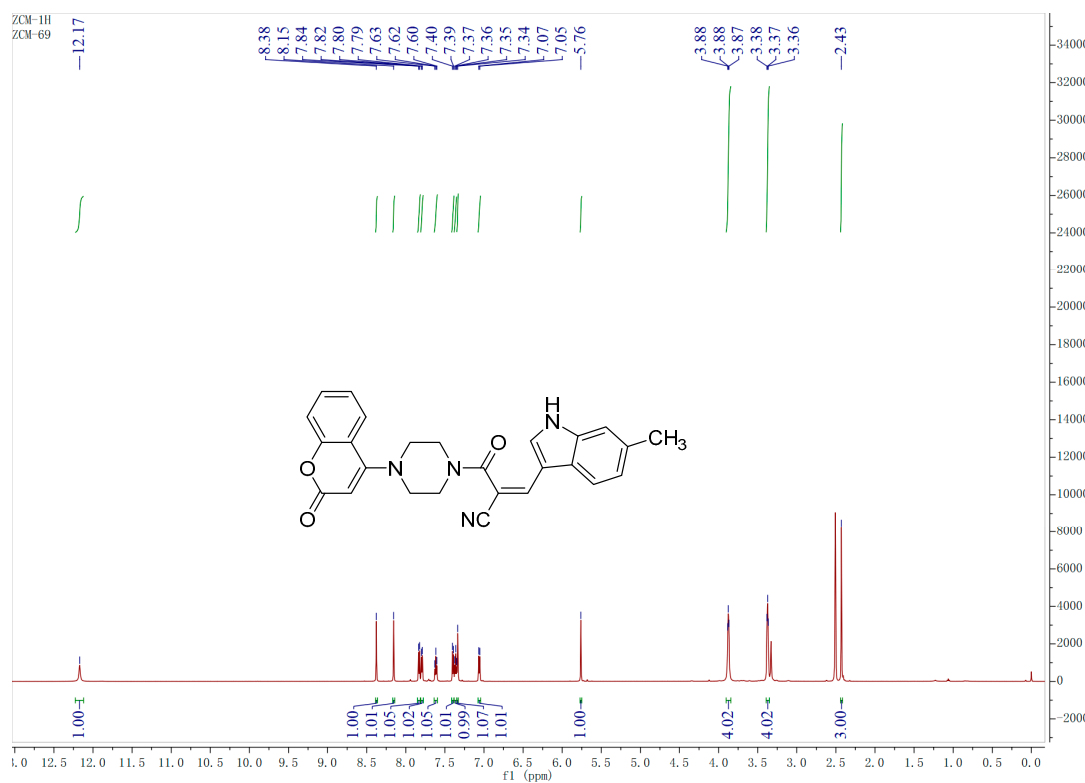


HRMS spectrum

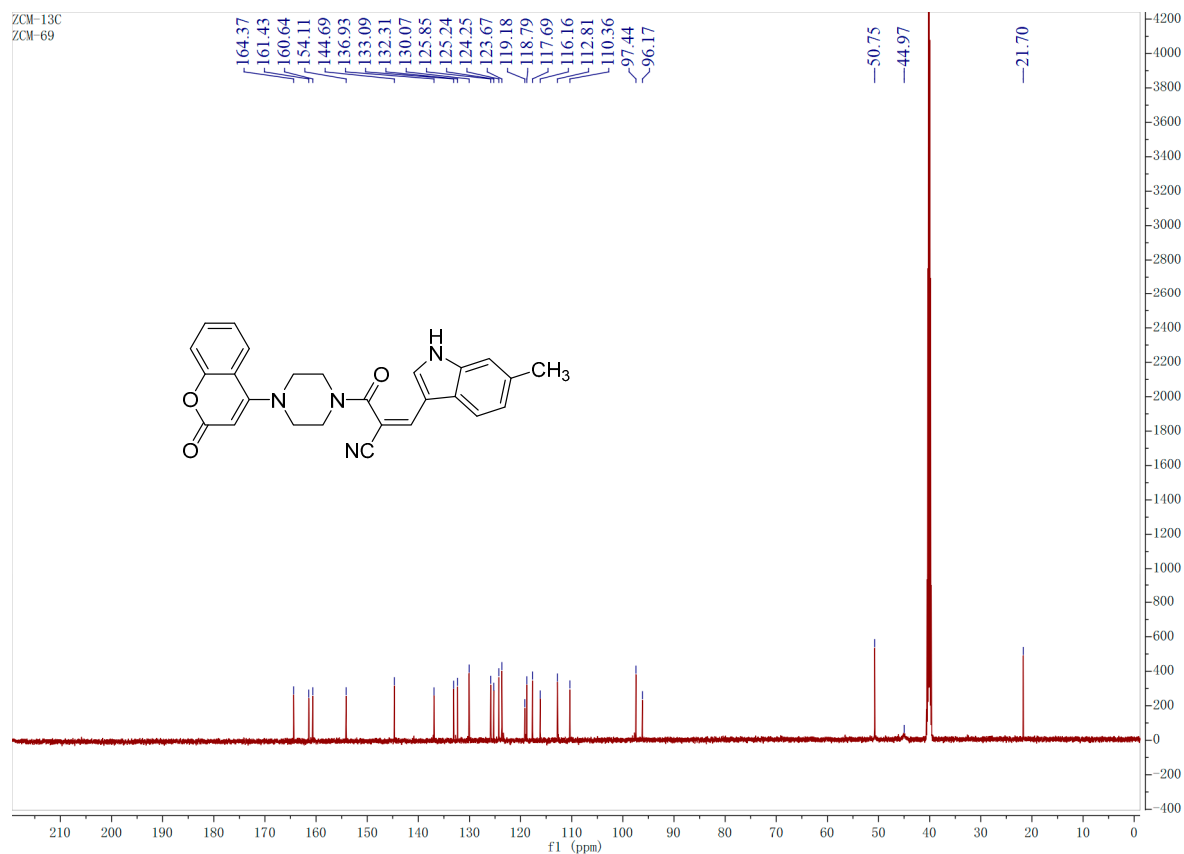


2.7. Spectra of compound **5f**

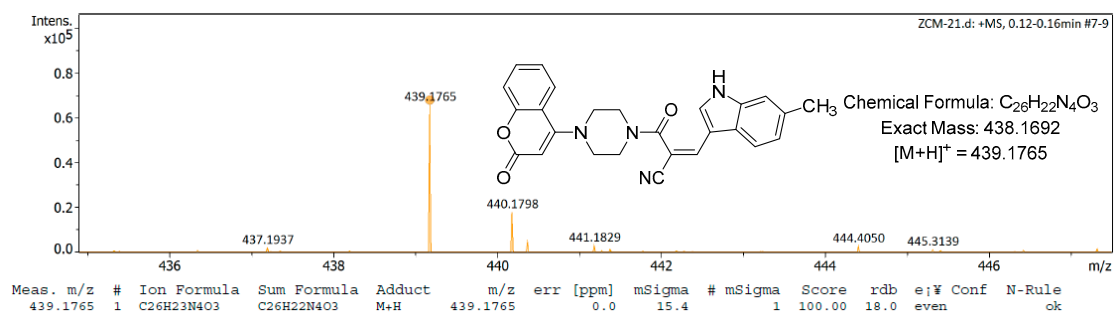
1H NMR spectrum (600 MHz, 25 °C, DMSO- d_6)



^{13}C NMR spectrum (151 MHz, 25 °C, DMSO- d_6)

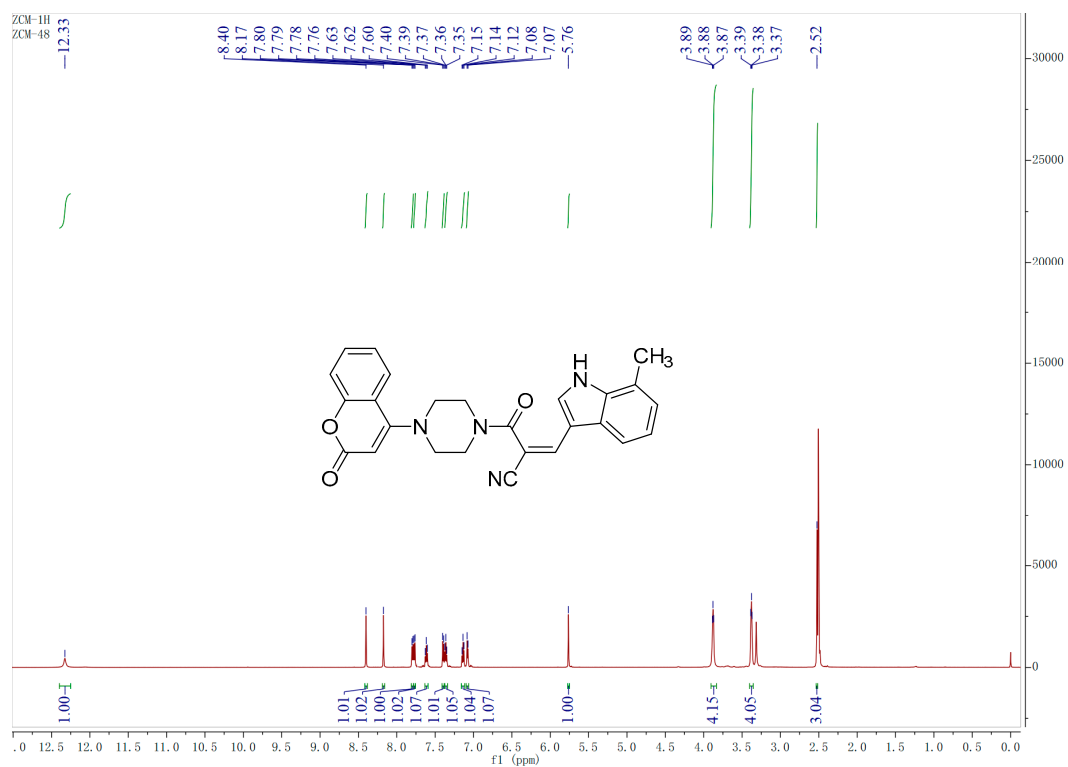


HRMS spectrum

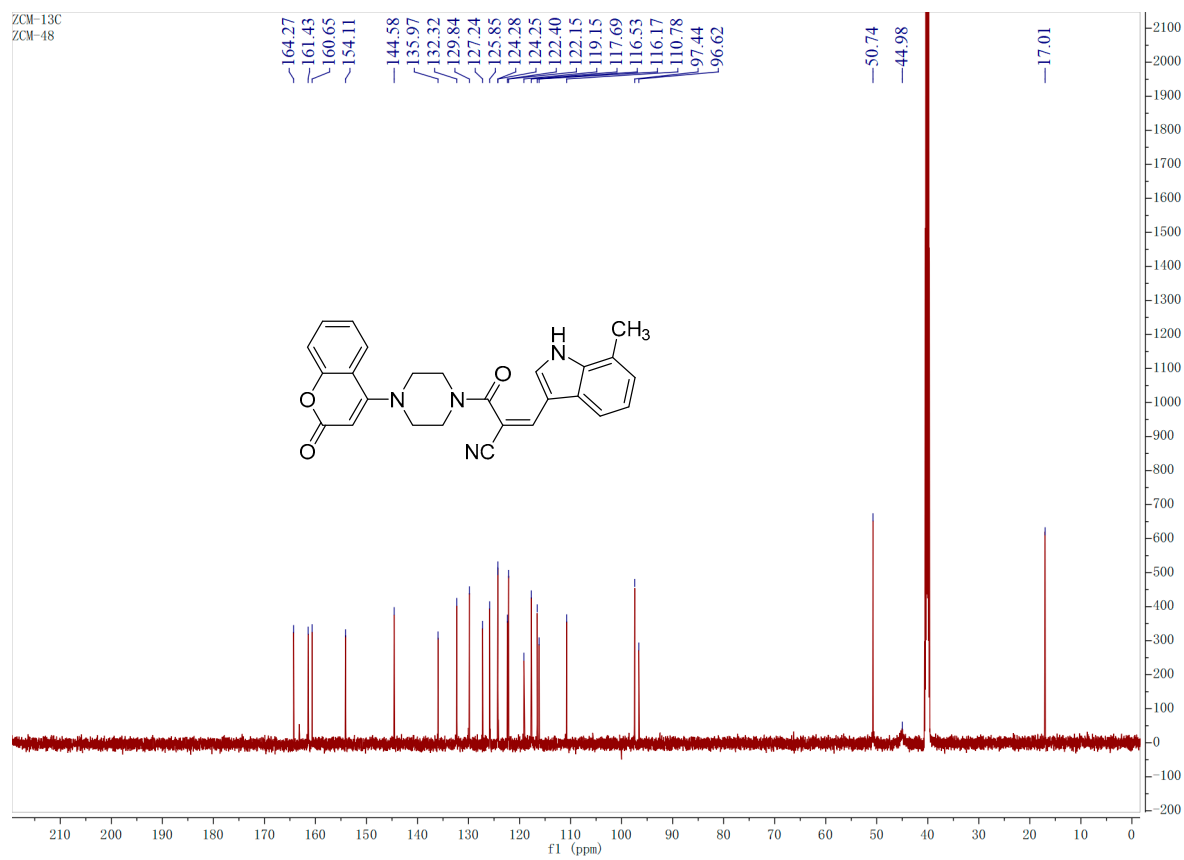


2.8. Spectra of compound **5g**

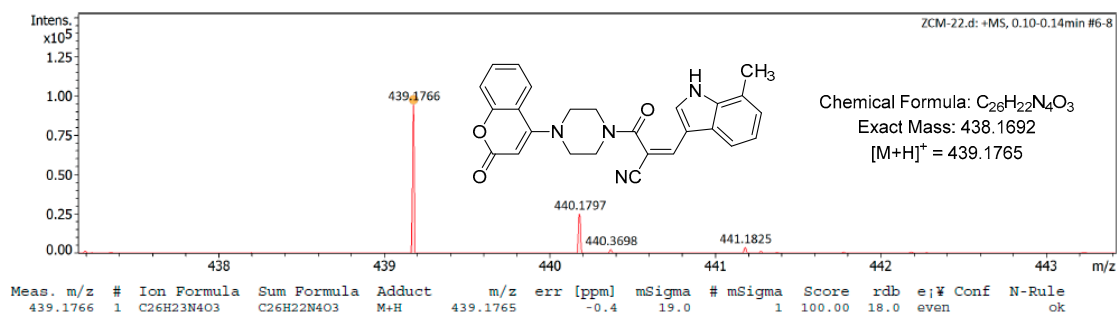
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

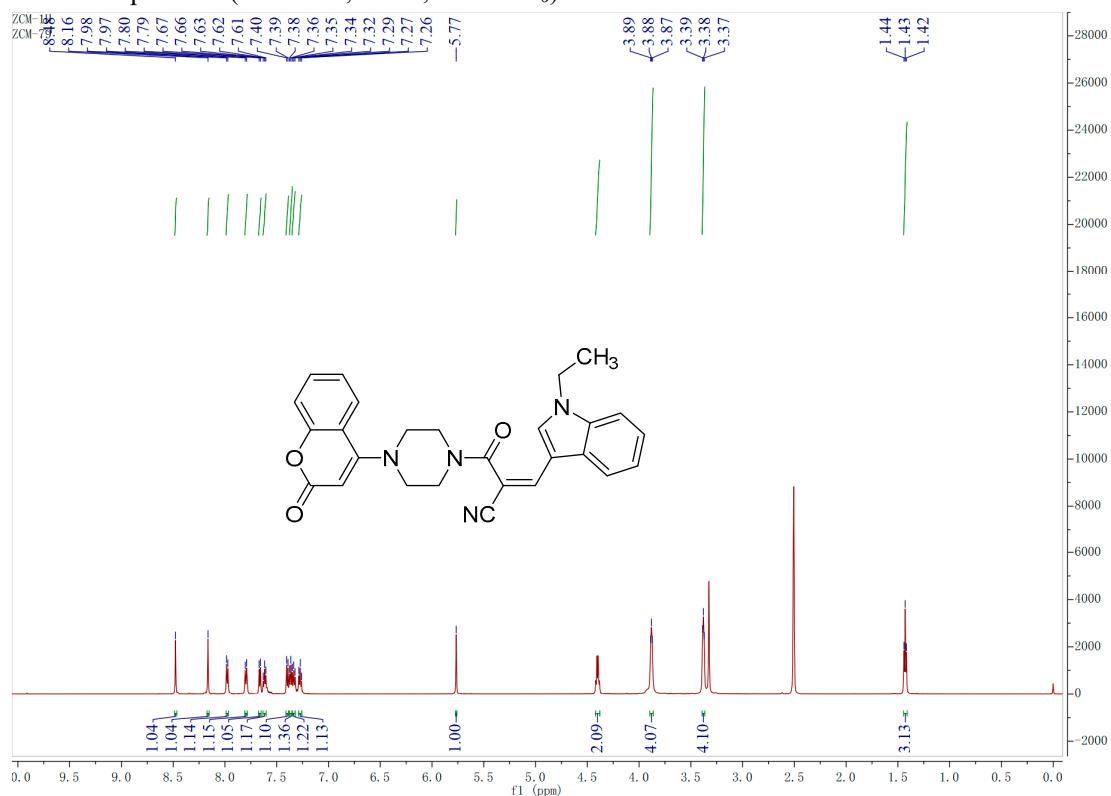


HRMS spectrum

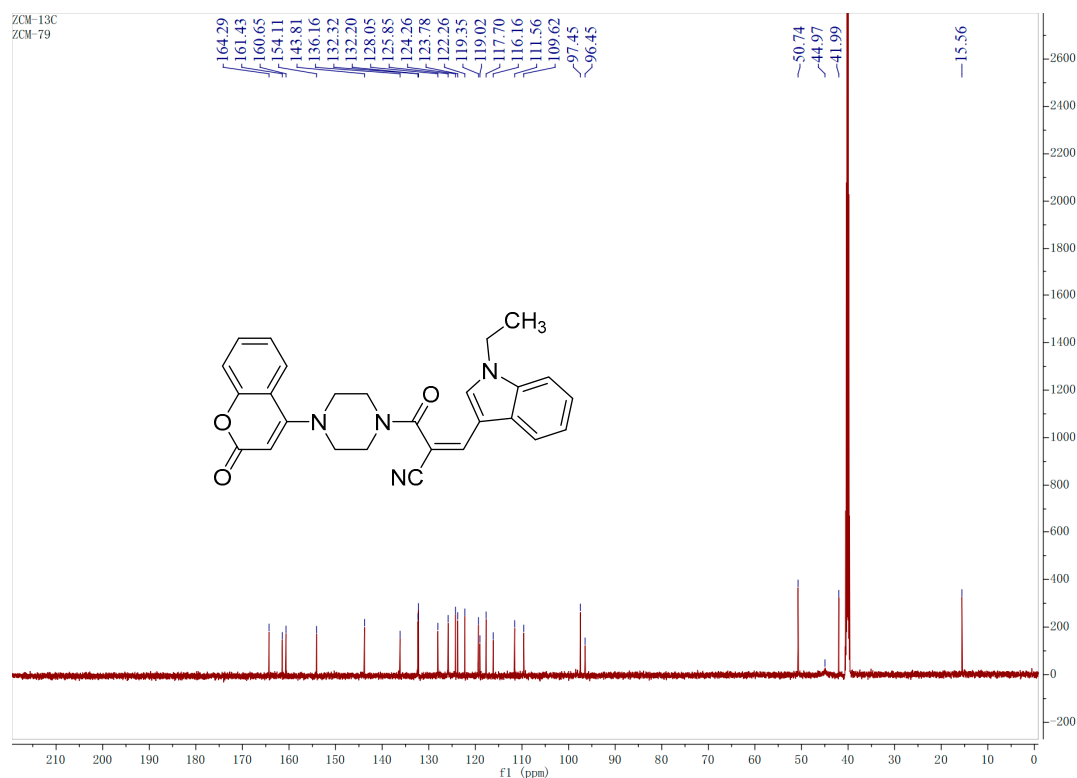


2.9. Spectra of compound **7a**

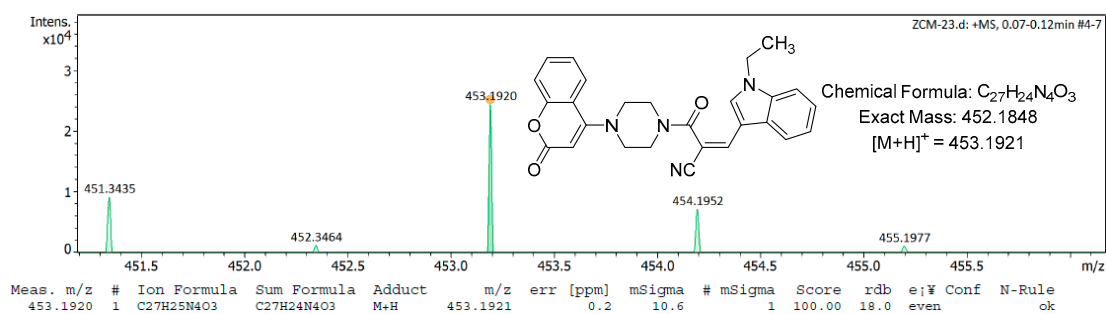
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

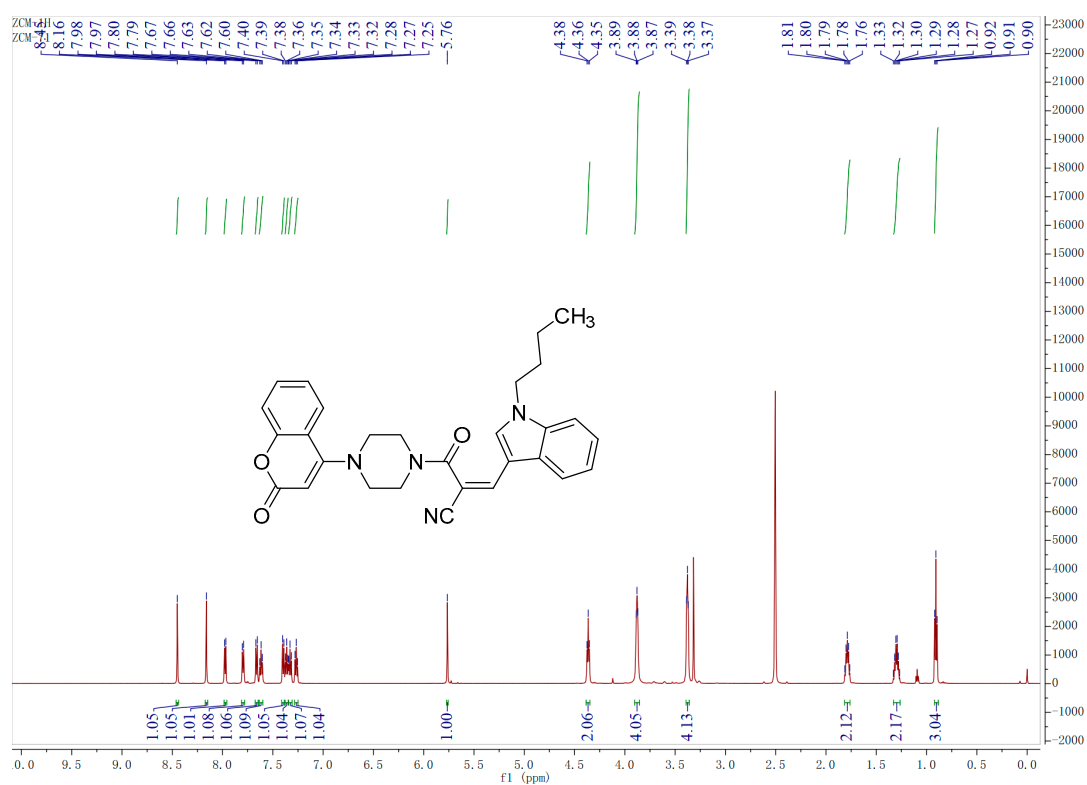


HRMS spectrum

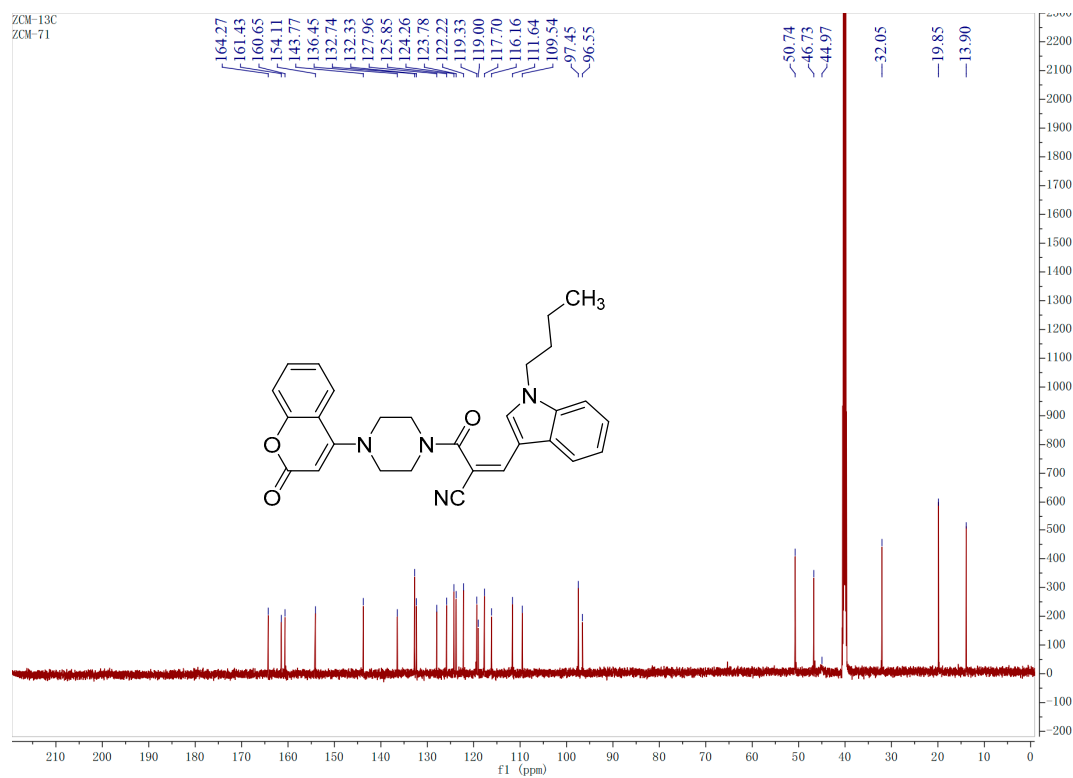


2.10. Spectra of compound 7b

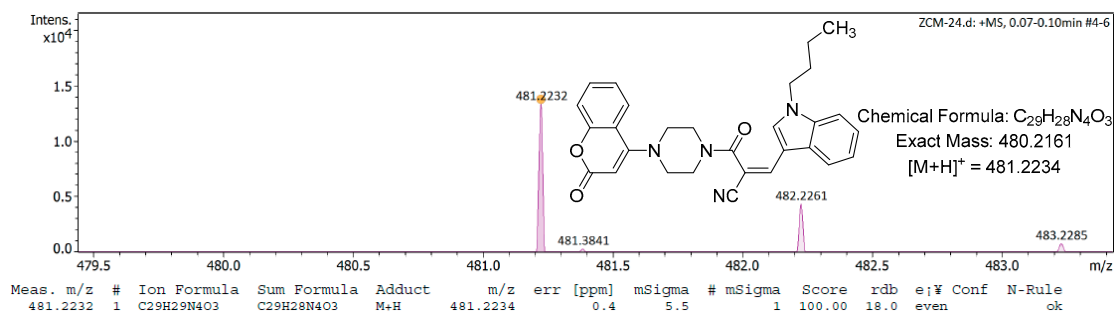
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

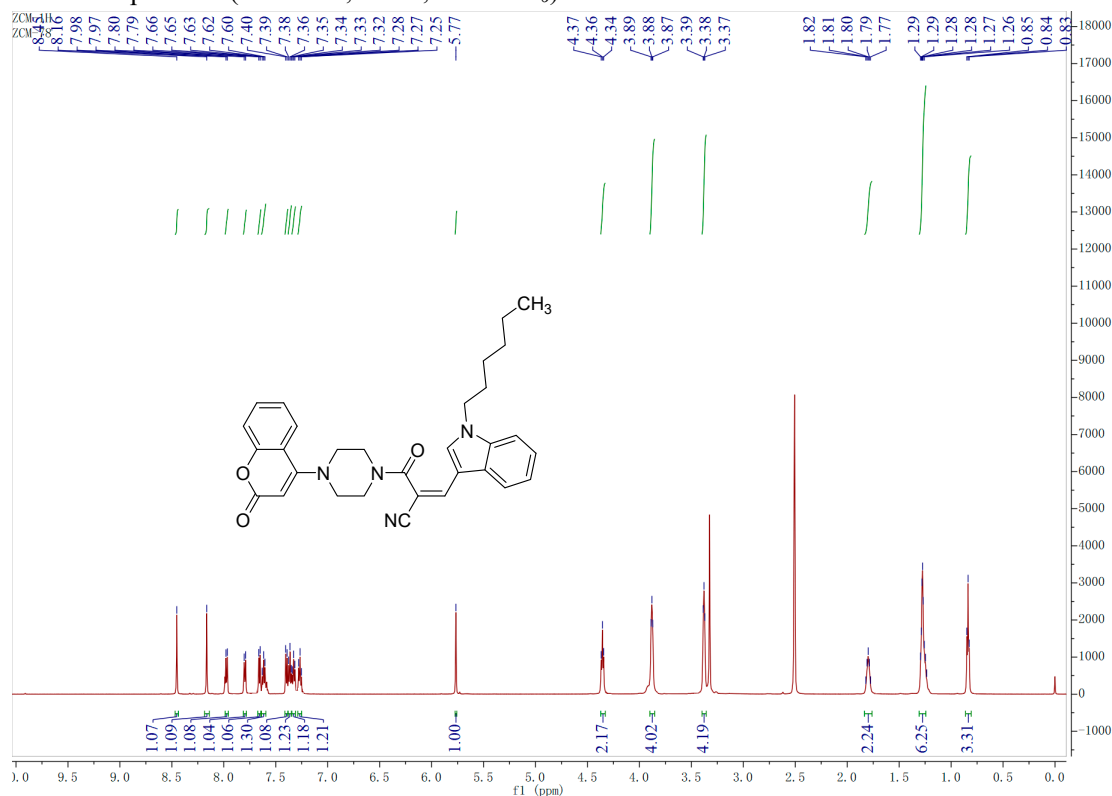


HRMS spectrum

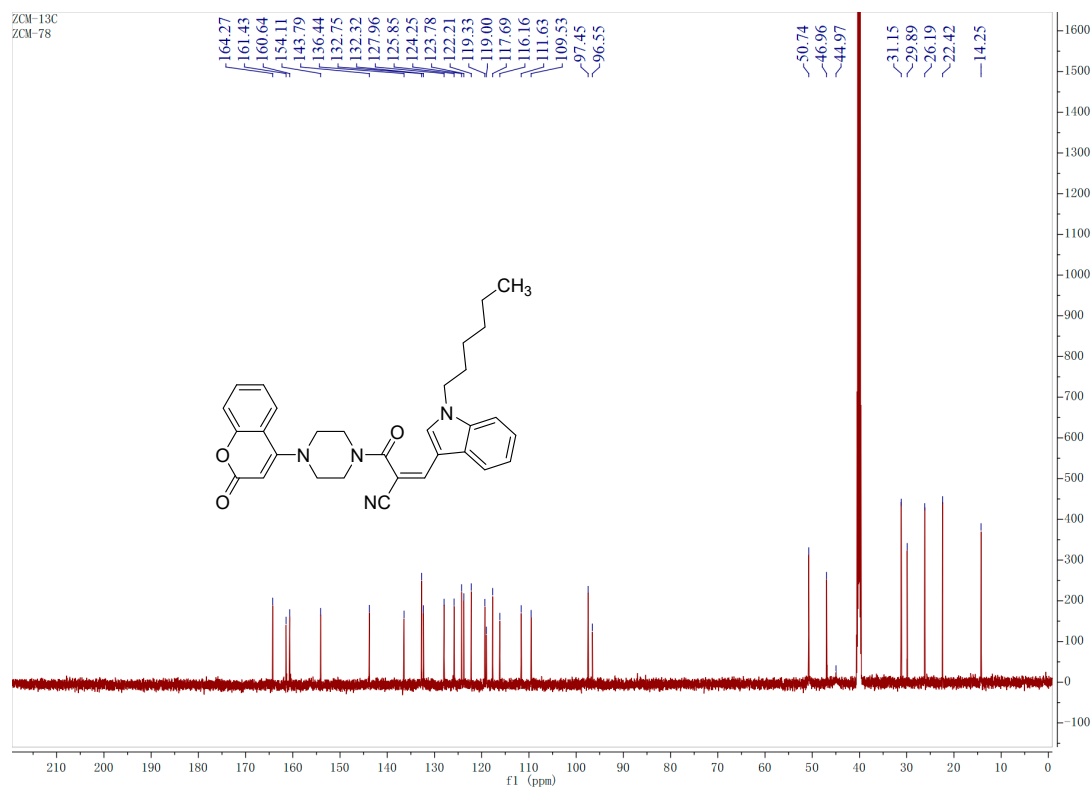


2.11. Spectra of compound 7c

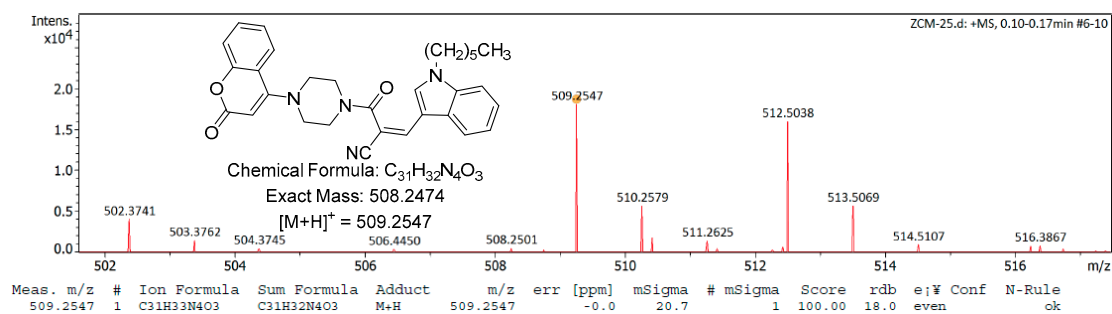
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

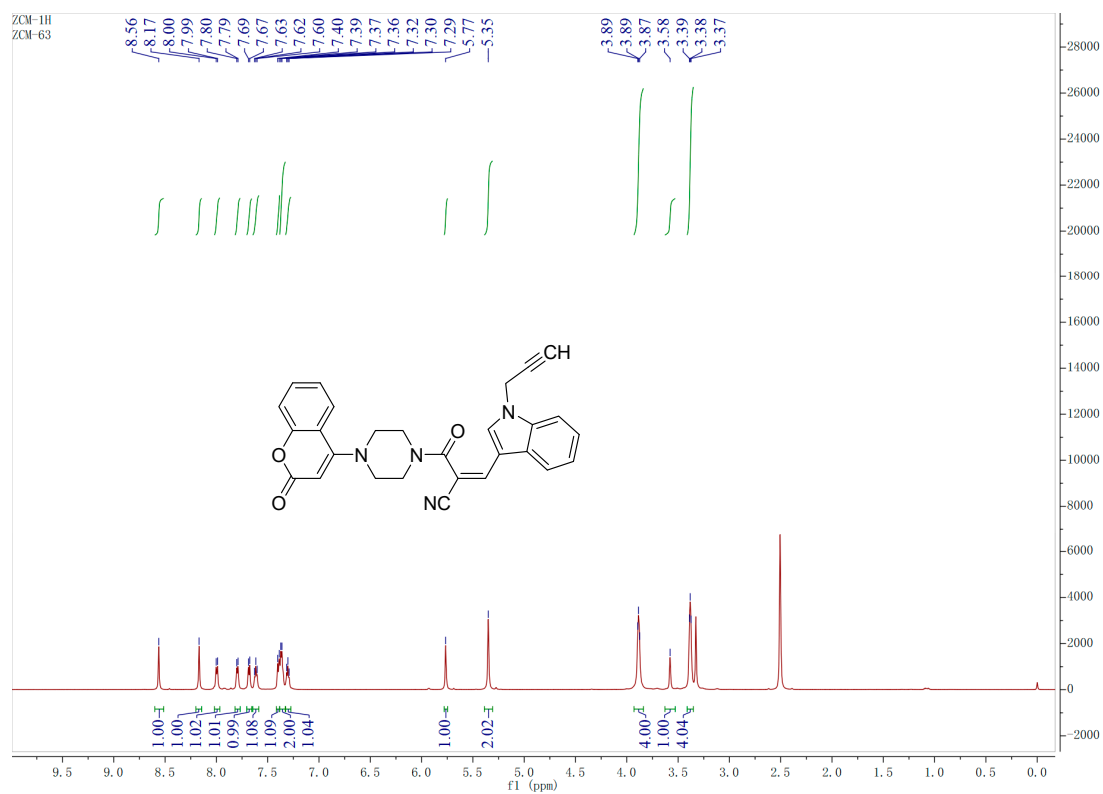


HRMS spectrum

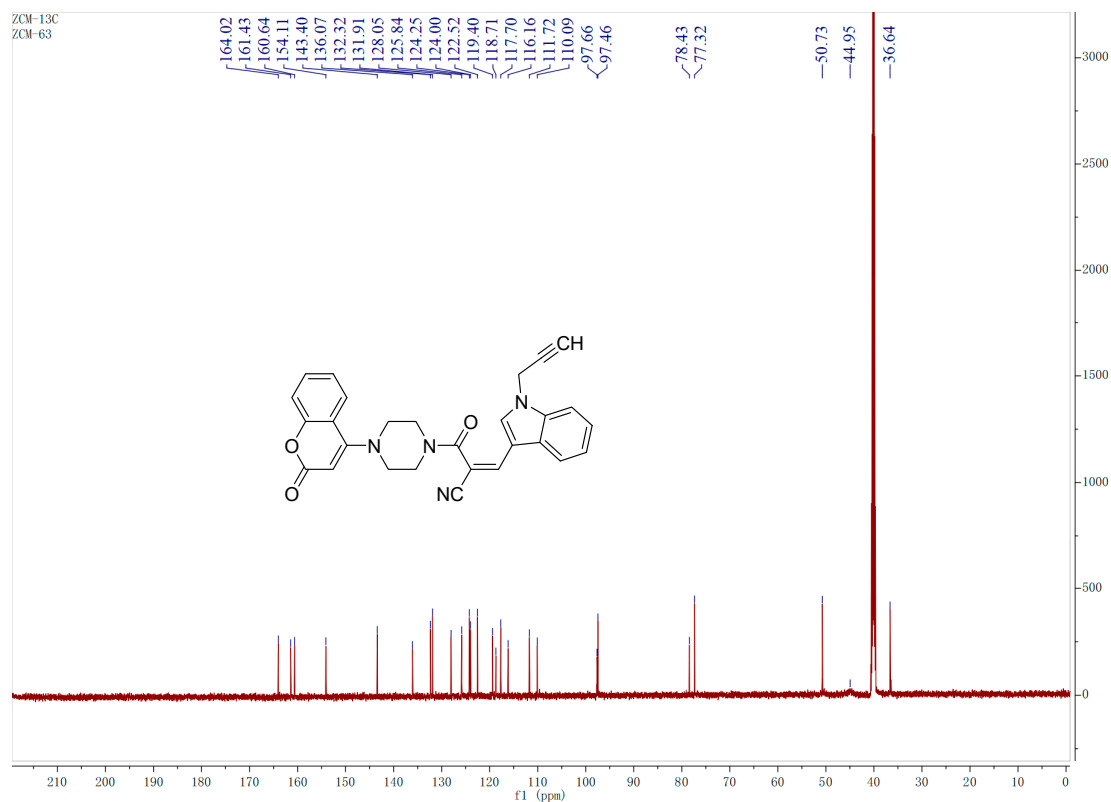


2.12. Spectra of compound 7d

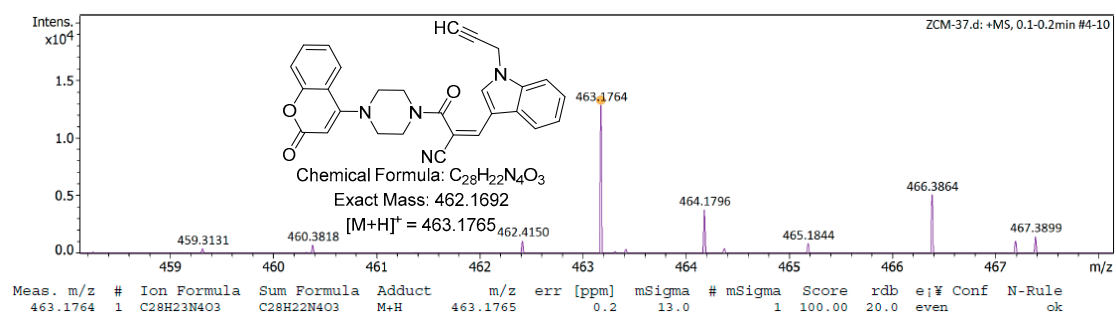
1H NMR spectrum (600 MHz, 25 °C, DMSO- d_6)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

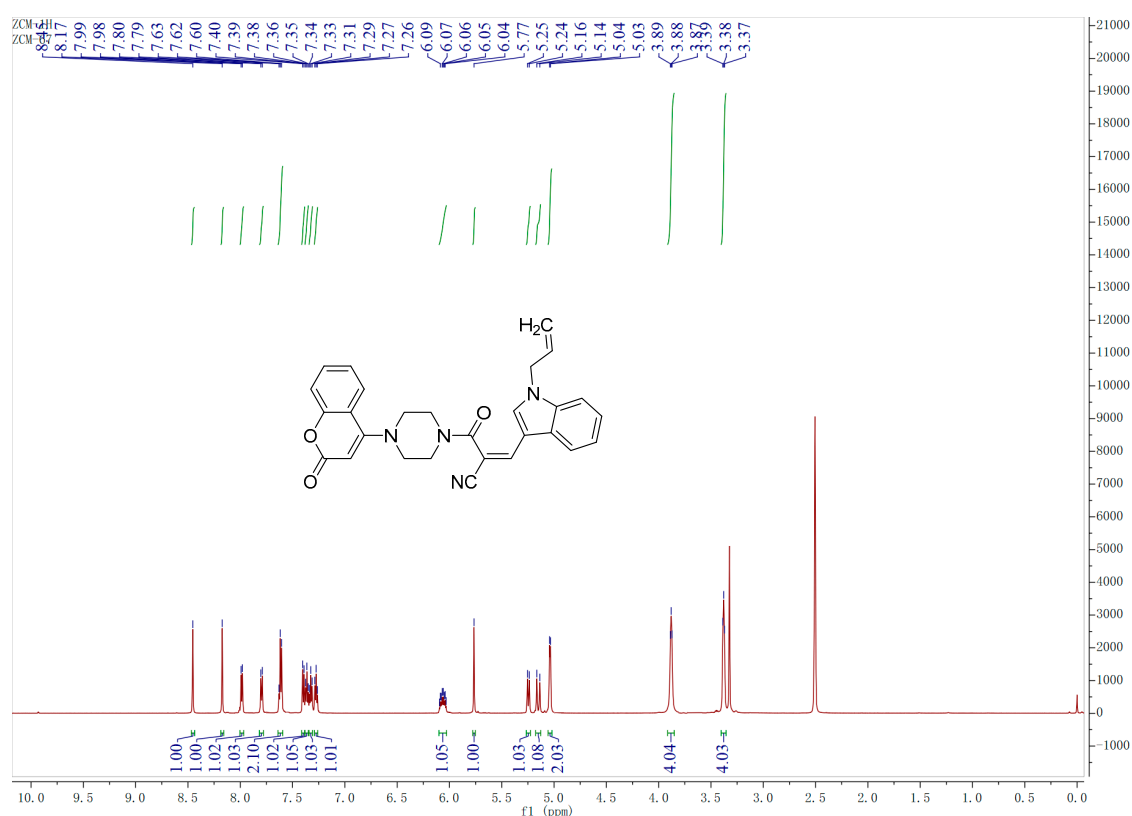


HRMS spectrum

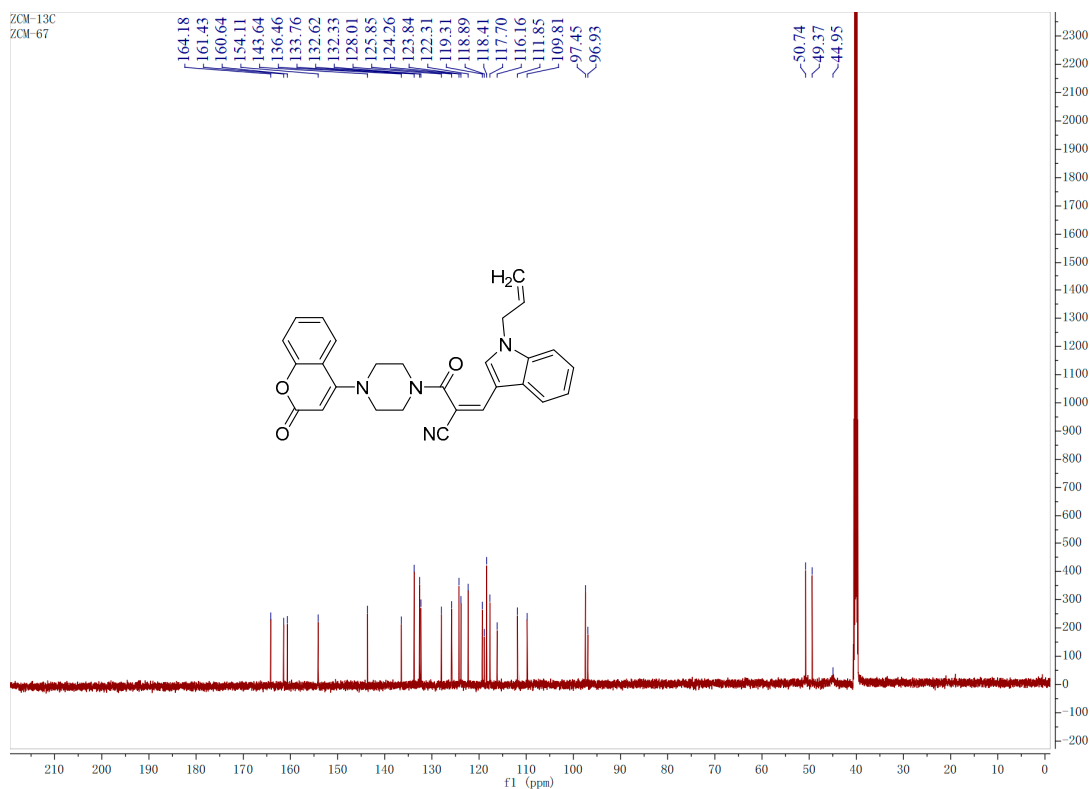


2.13. Spectra of compound 7e

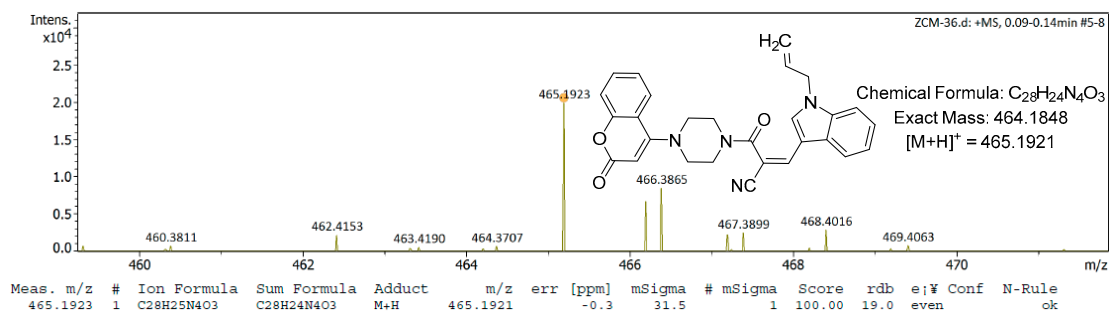
1H NMR spectrum (600 MHz, 25 °C, DMSO- d_6)



^{13}C NMR spectrum (151 MHz, 25 °C, DMSO- d_6)

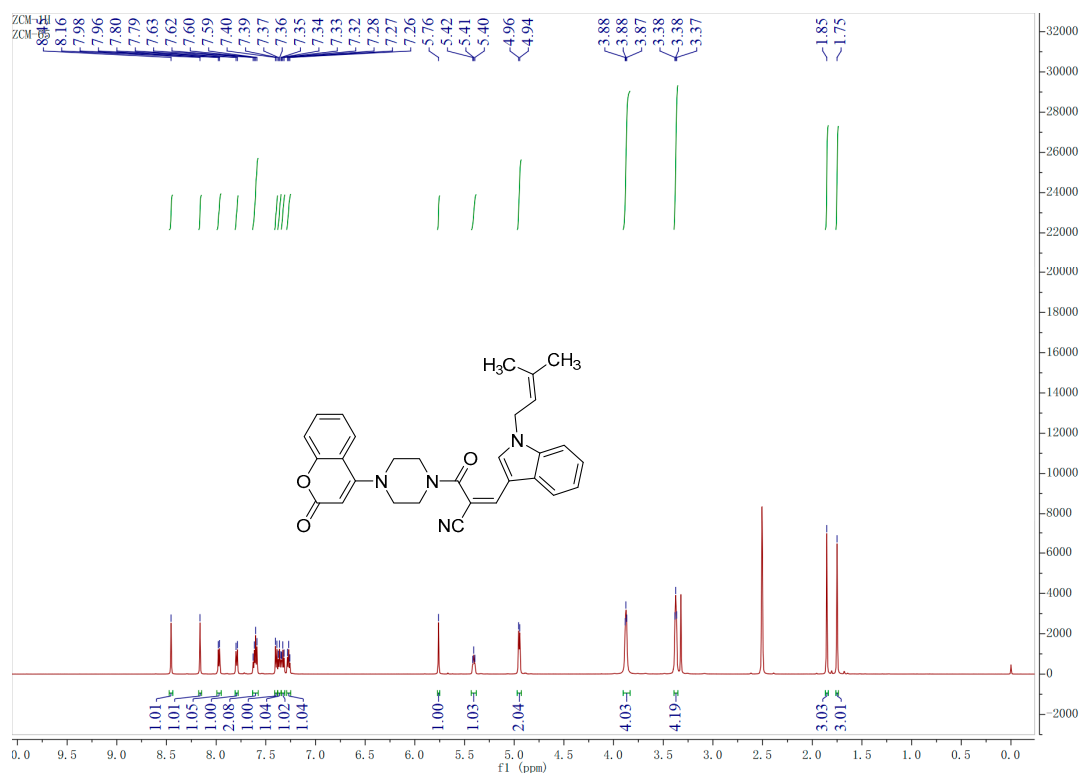


HRMS spectrum

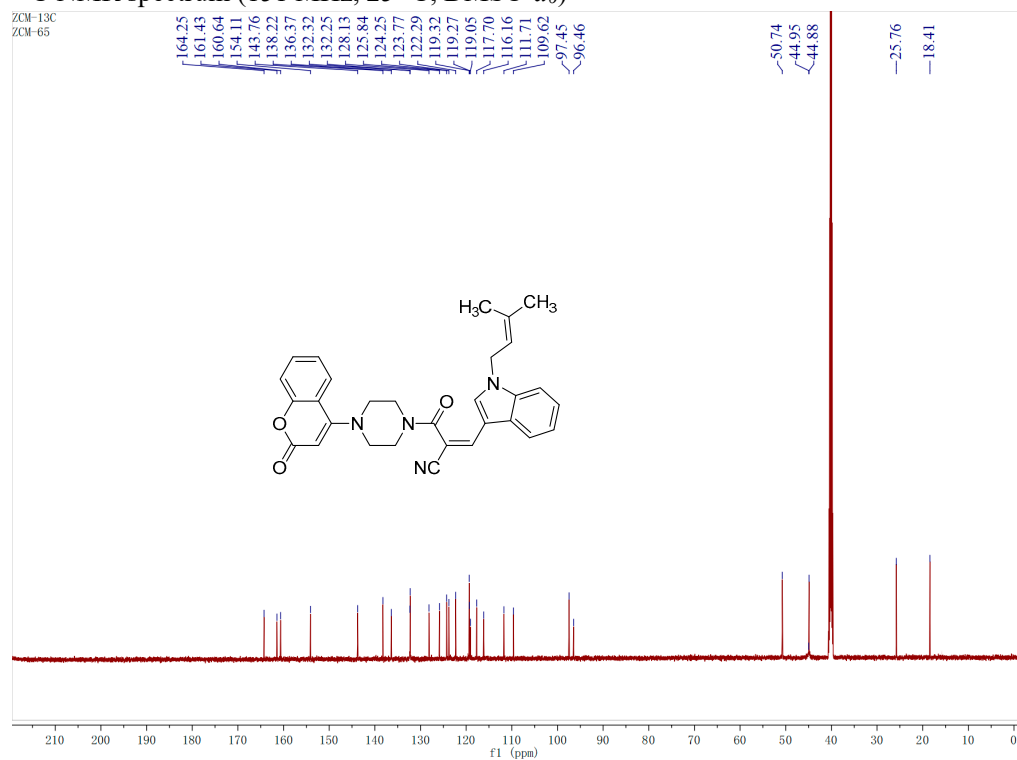


2.14. Spectra of compound 7f

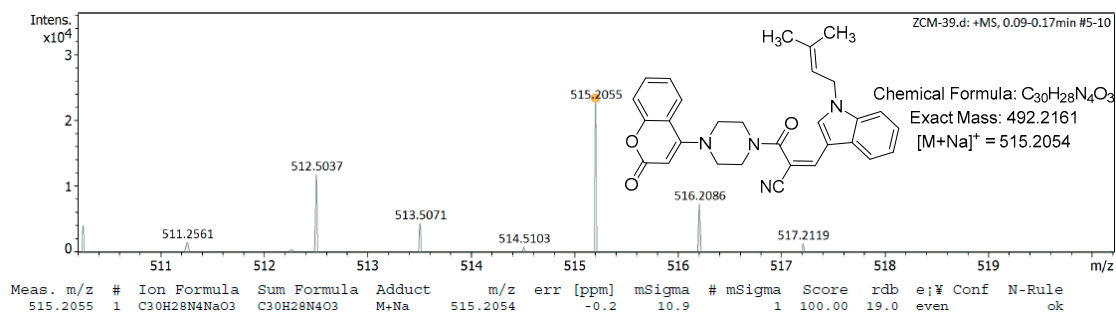
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

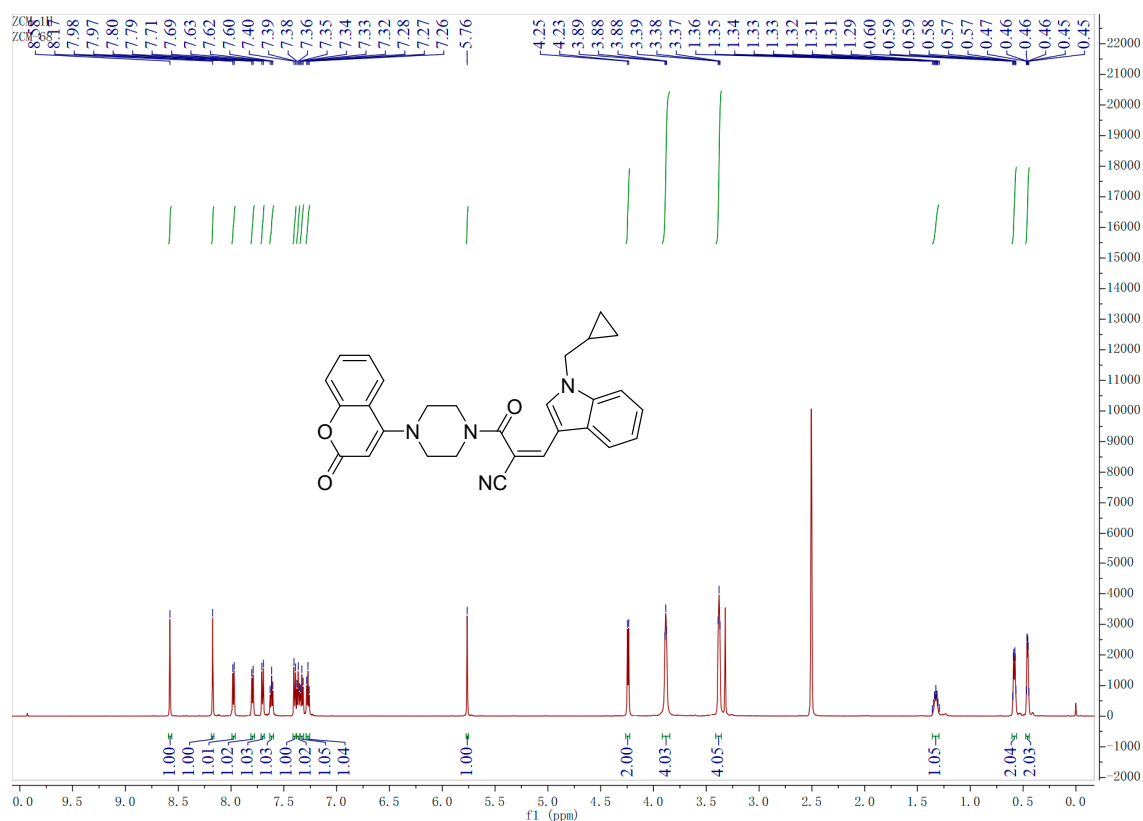


HRMS spectrum

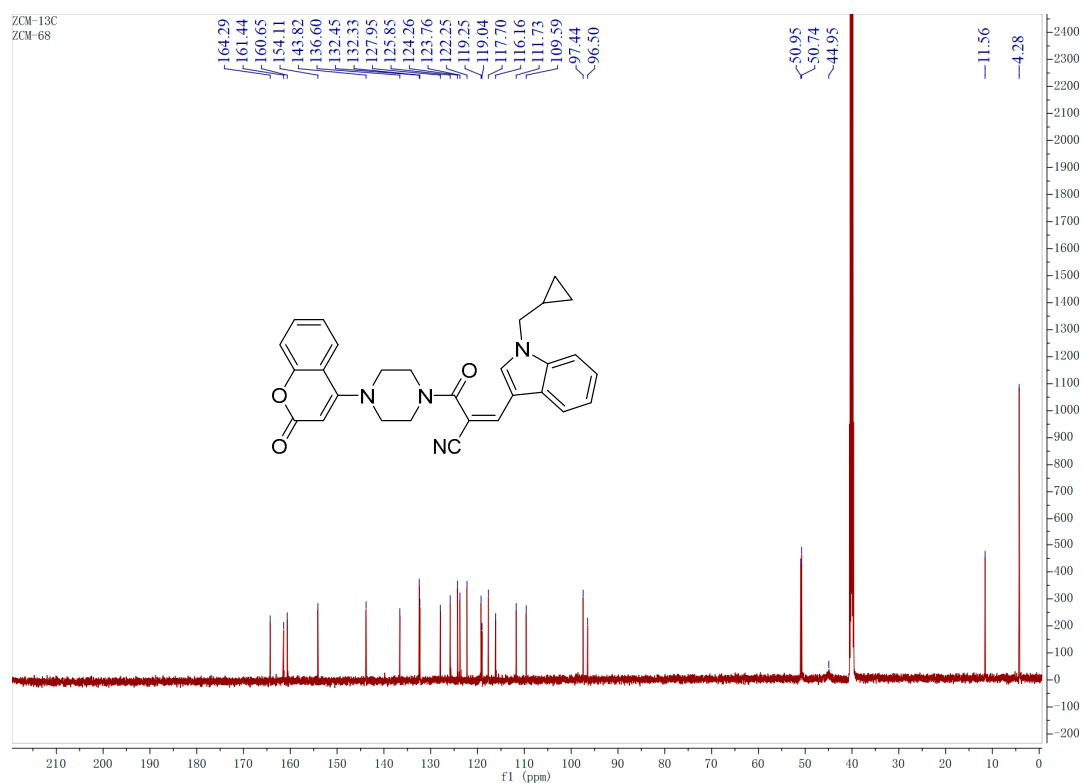


2.15. Spectra of compound 9a

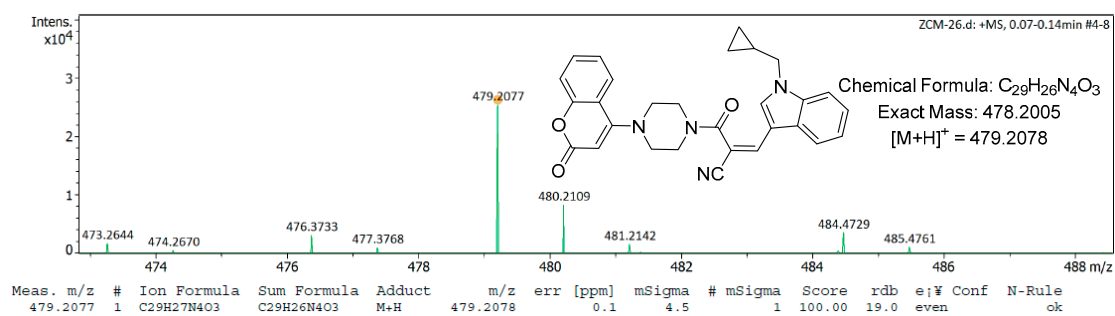
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)



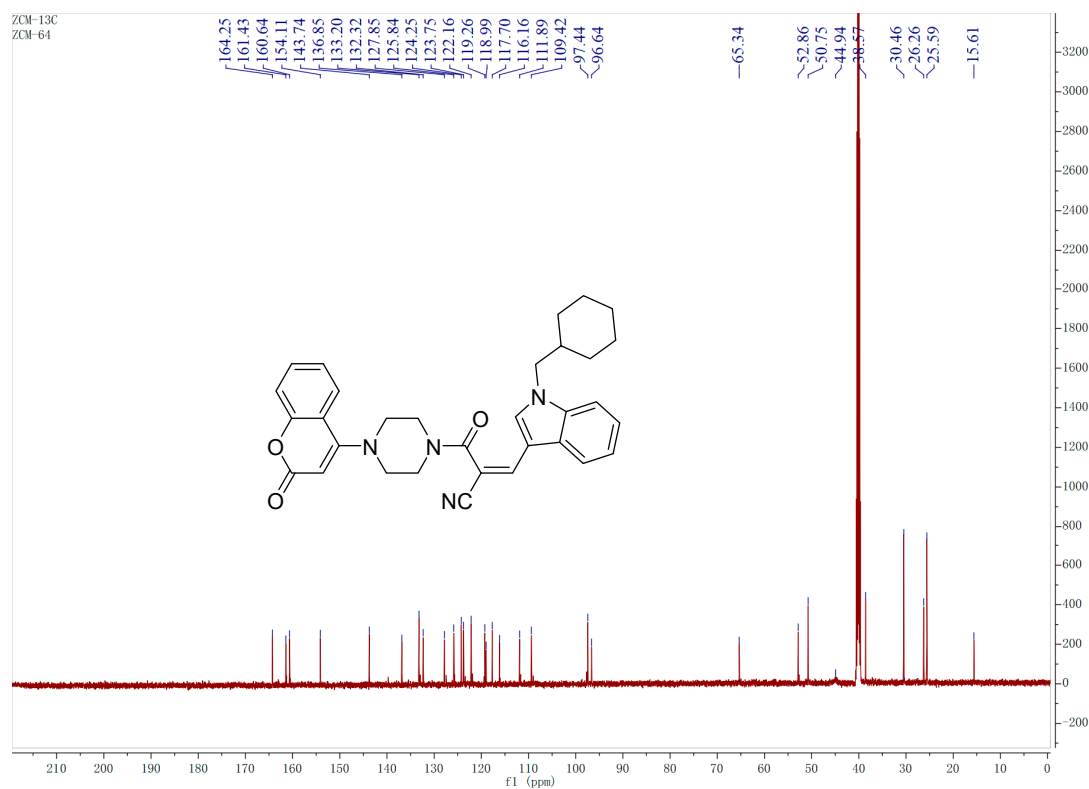
HRMS spectrum



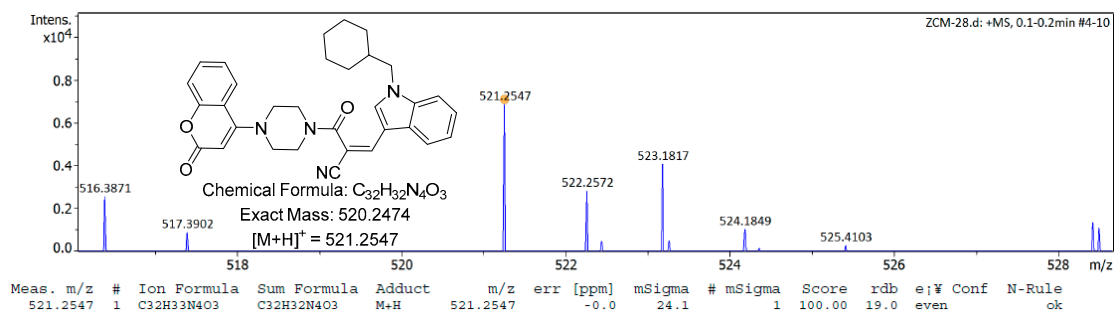
2.16. Spectra of compound 9b

¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)

S27

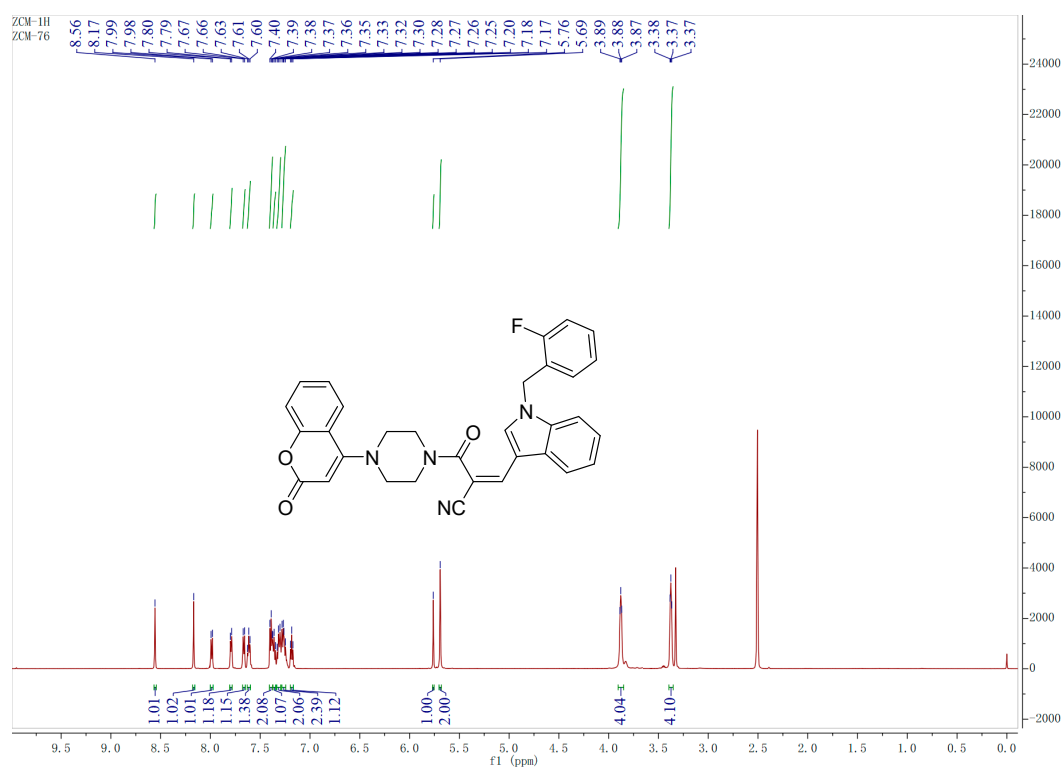


HRMS spectrum

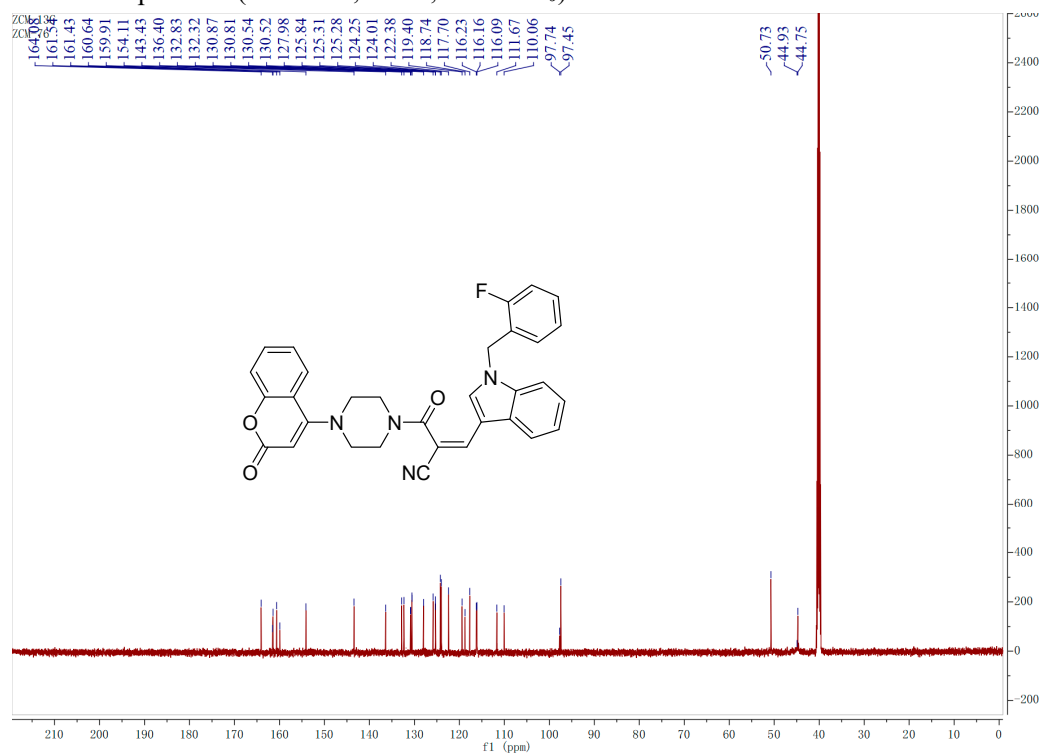


2.18. Spectra of compound 11a

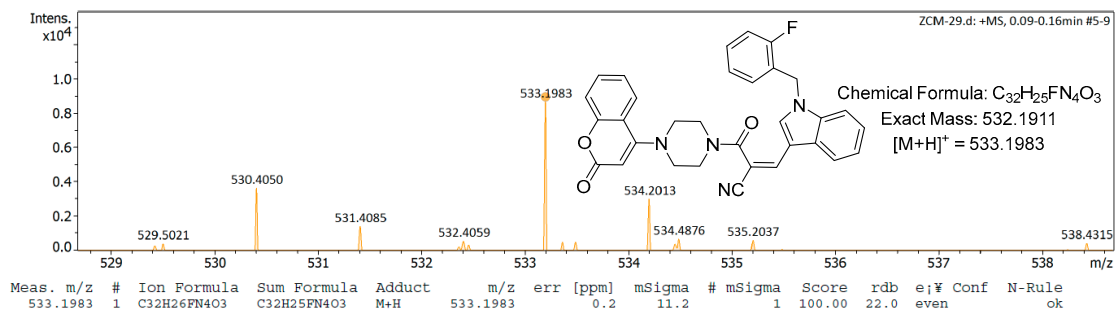
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

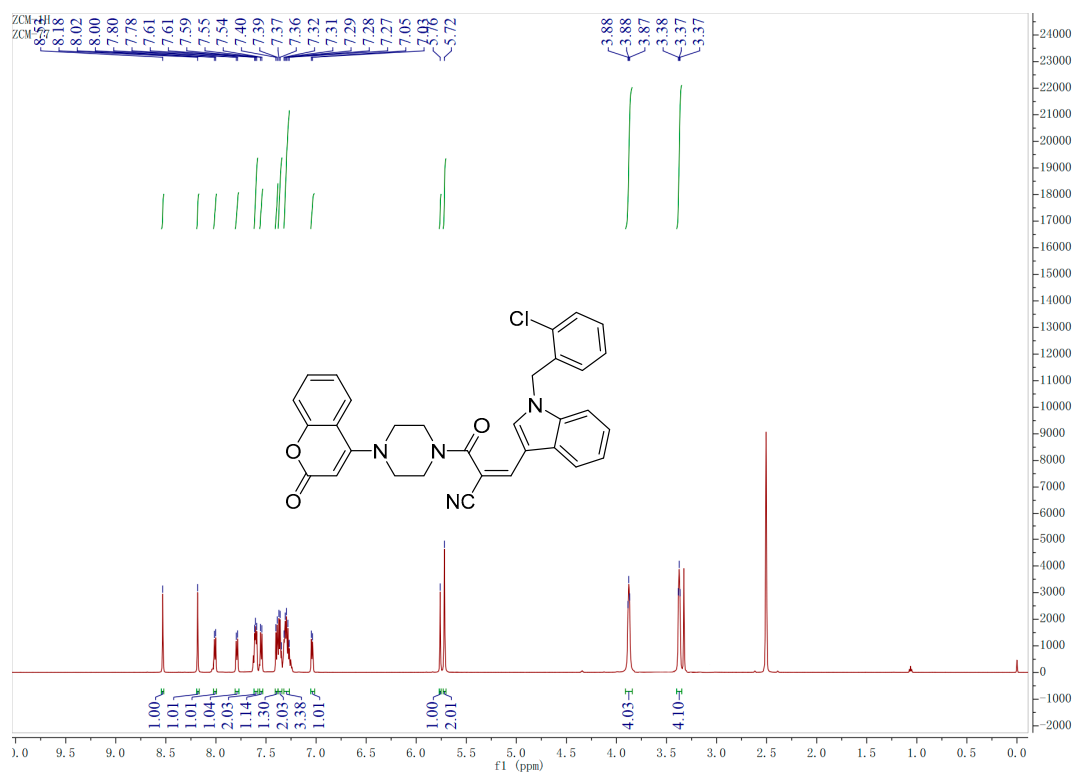


HRMS spectrum

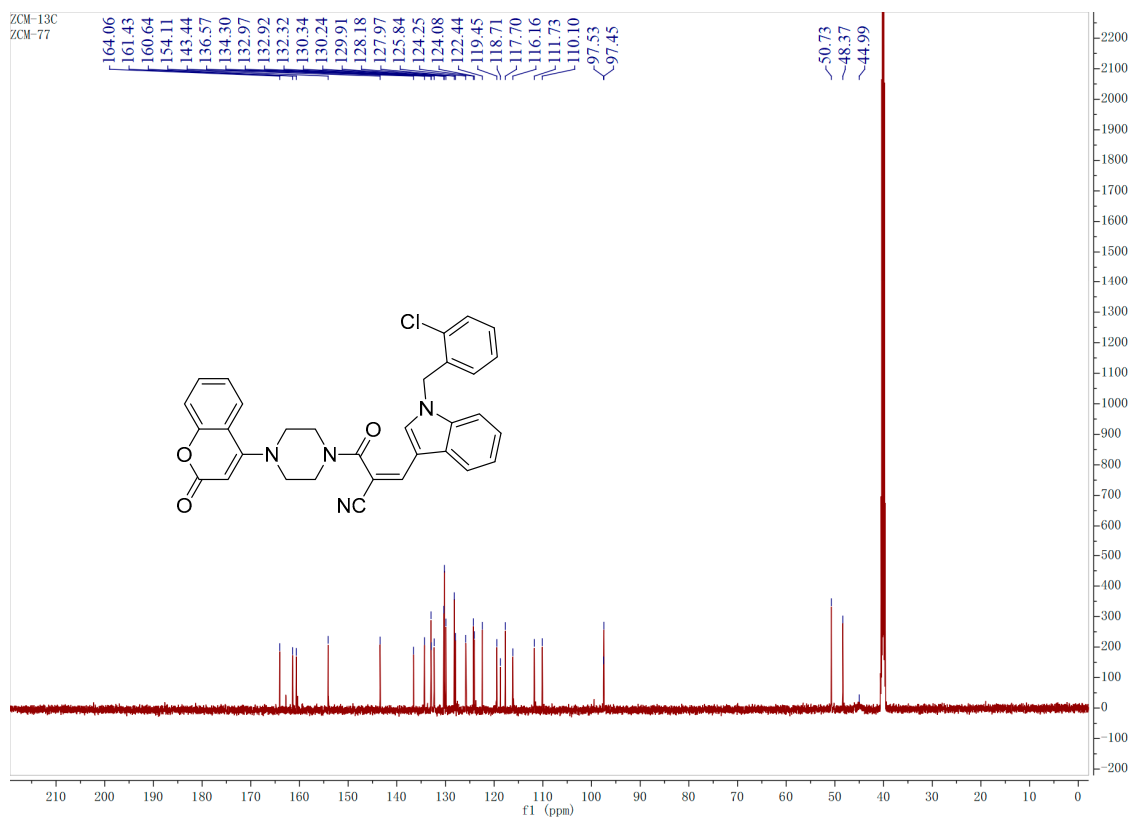


2.19. Spectra of compound 11b

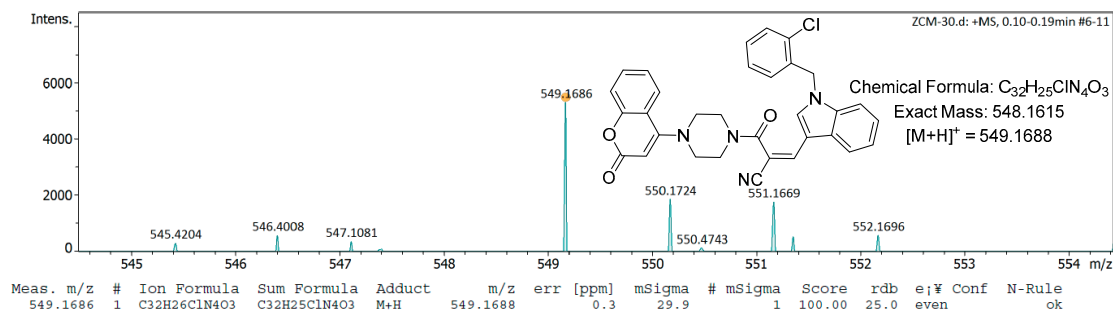
¹H NMR spectrum (600 MHz, 25 °C, DMSO-d₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-d₆)

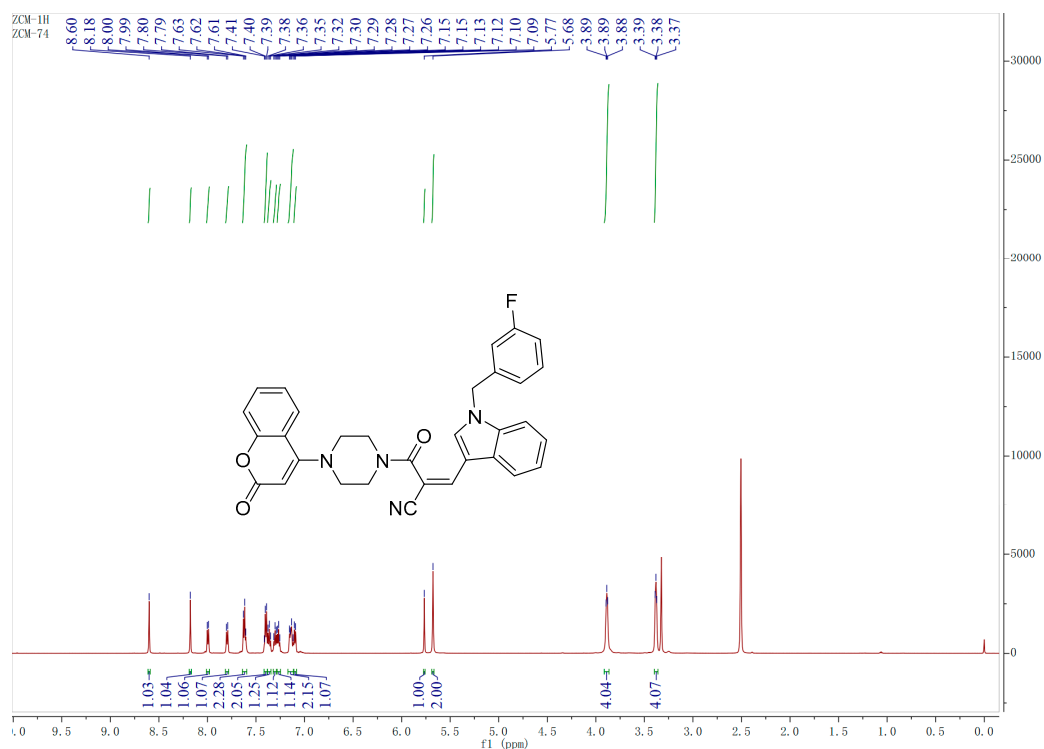


HRMS spectrum

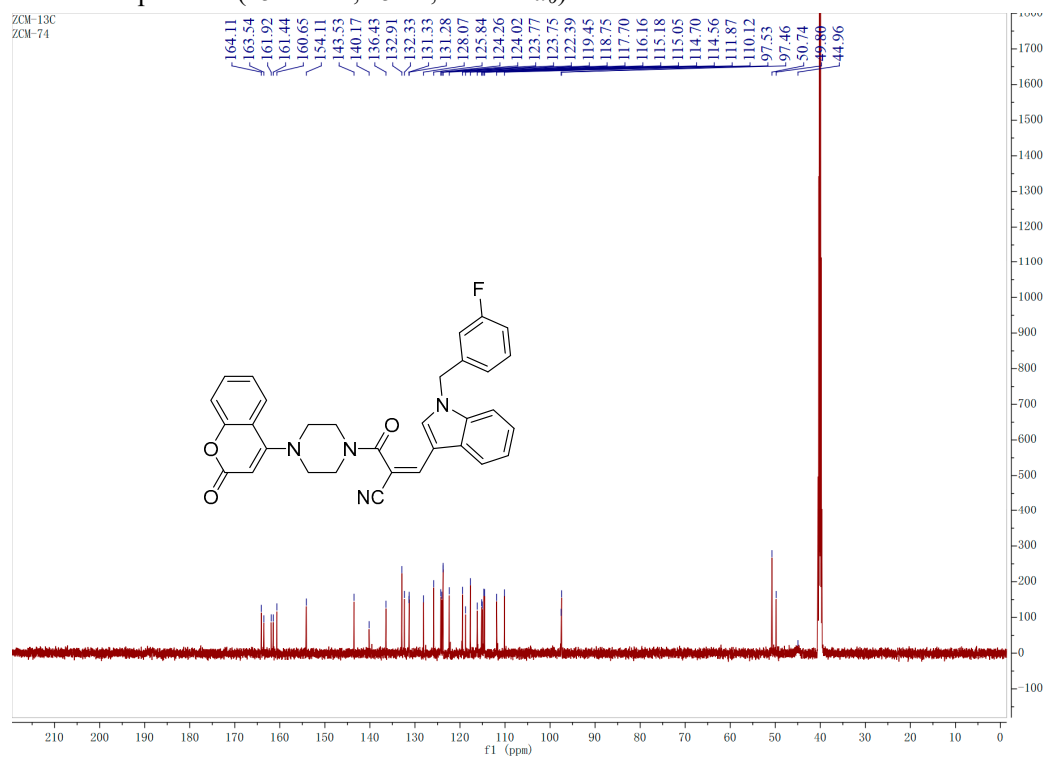


2.20. Spectra of compound 11c

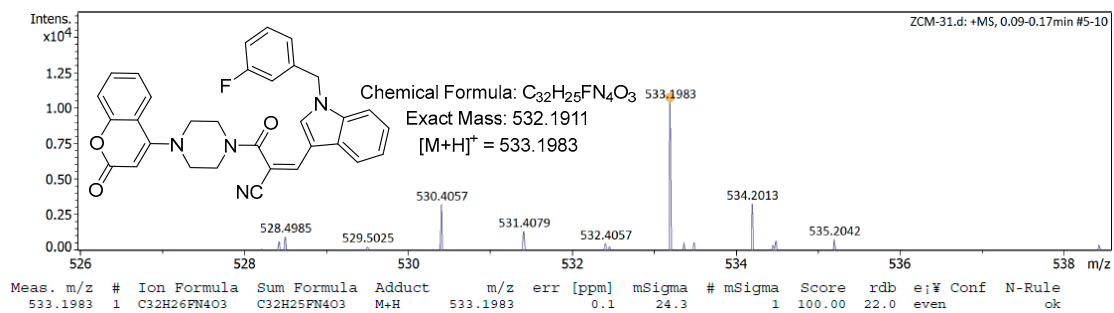
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

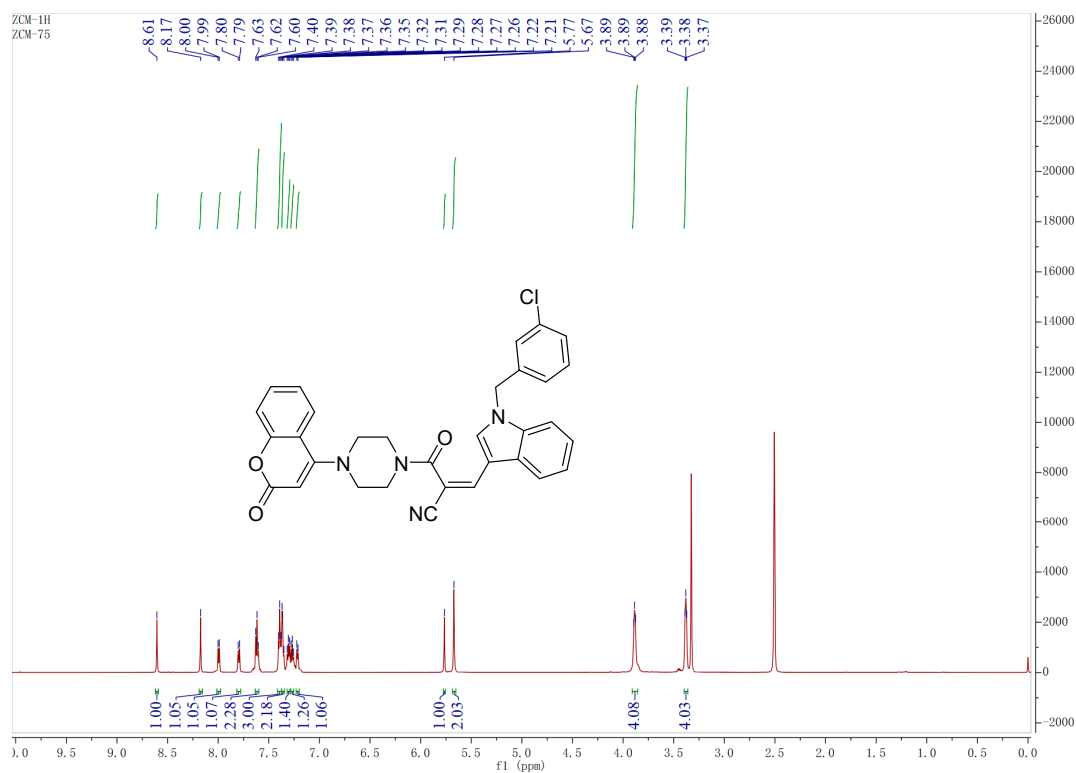


HRMS spectrum

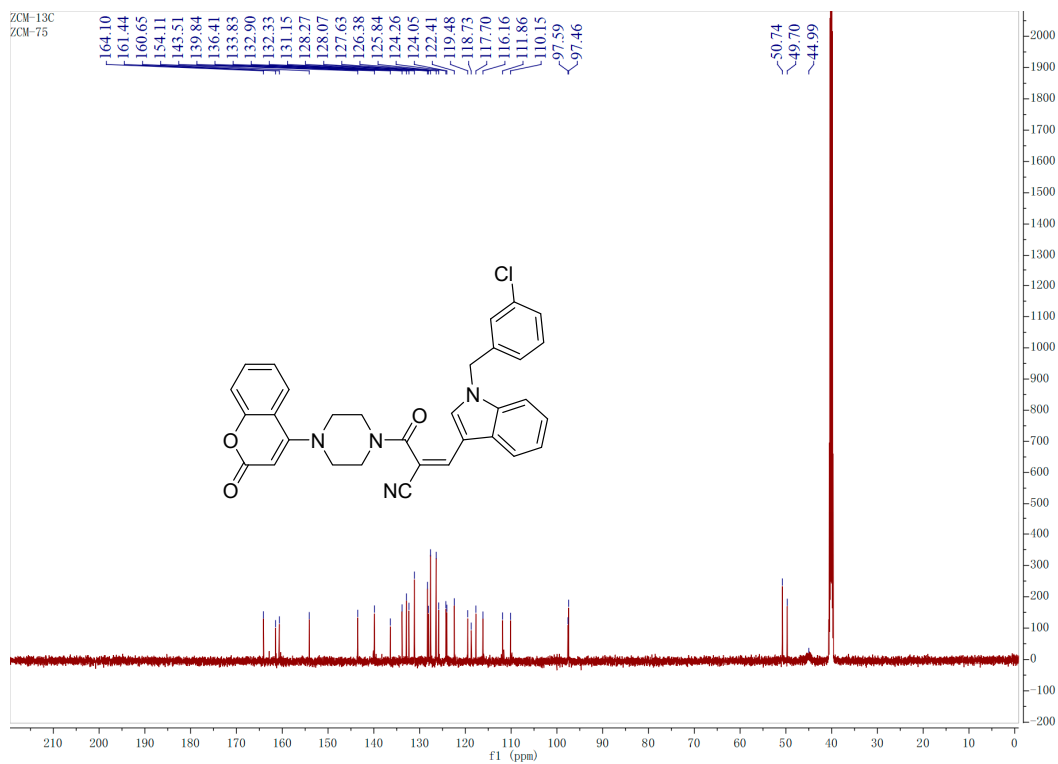


2.21. Spectra of compound **11d**

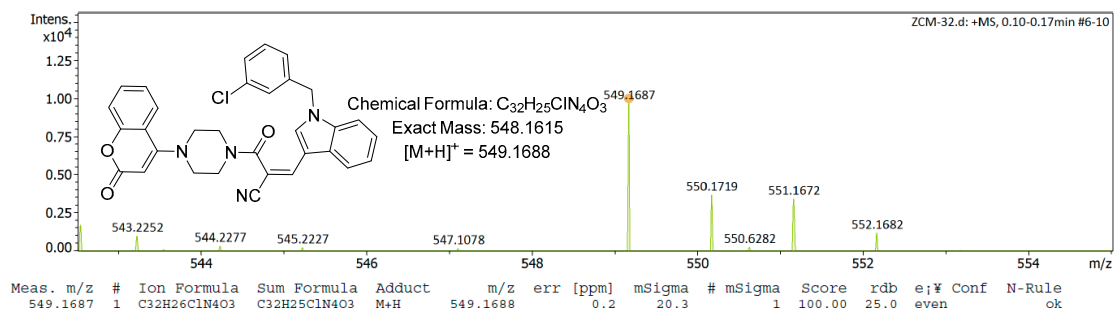
1H NMR spectrum (600 MHz, 25 °C, DMSO- d_6)



^{13}C NMR spectrum (151 MHz, 25 °C, DMSO- d_6)

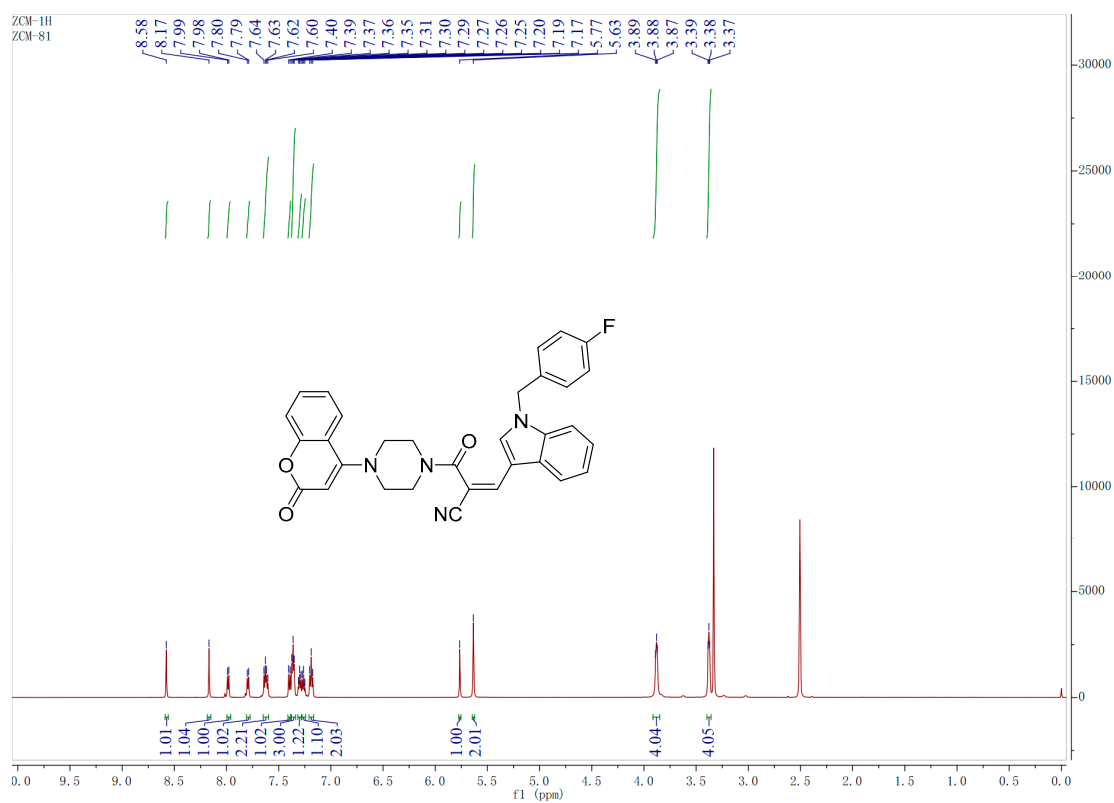


HRMS spectrum

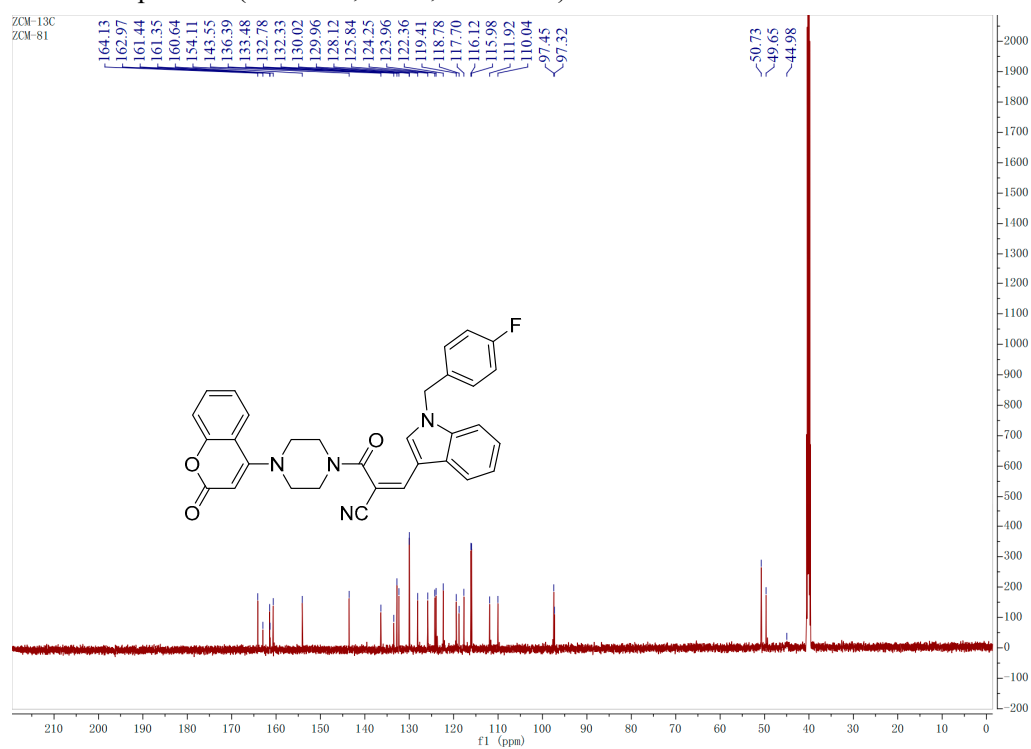


2.22. Spectra of compound 11e

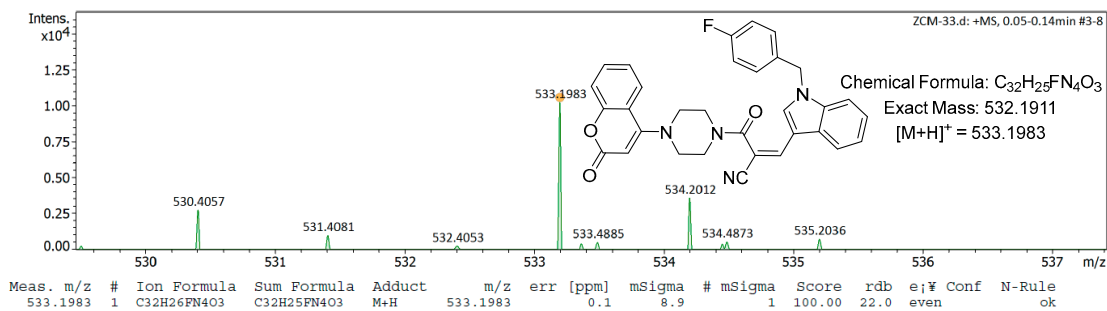
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

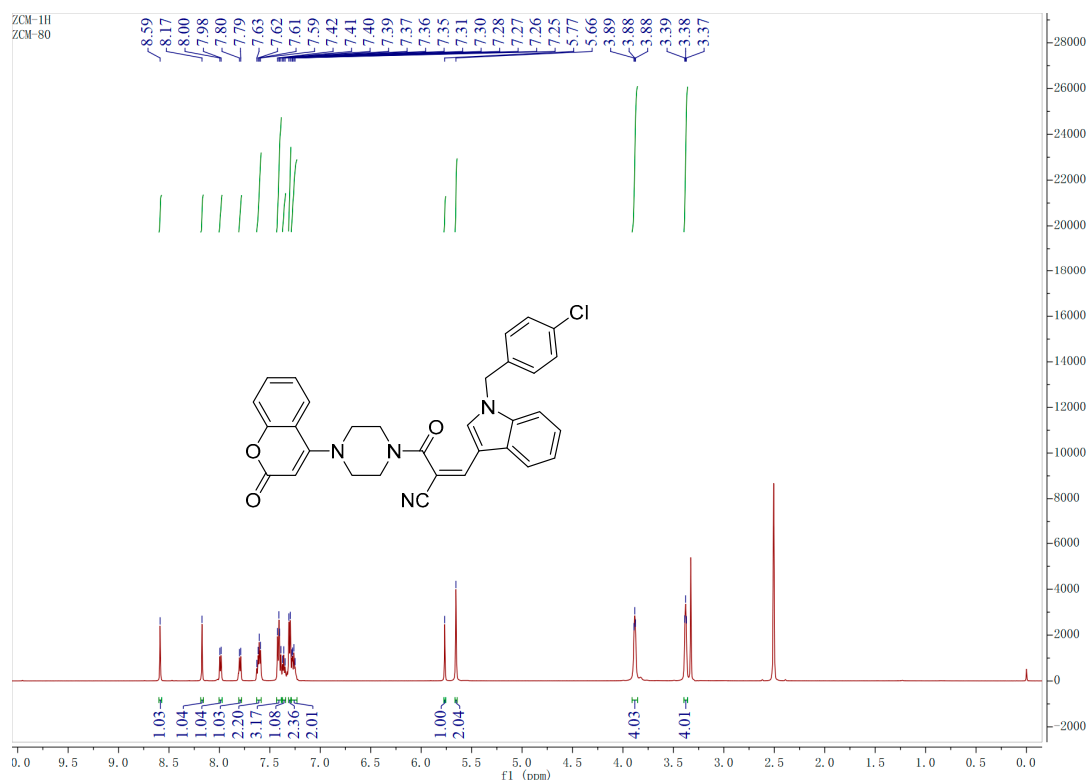


HRMS spectrum

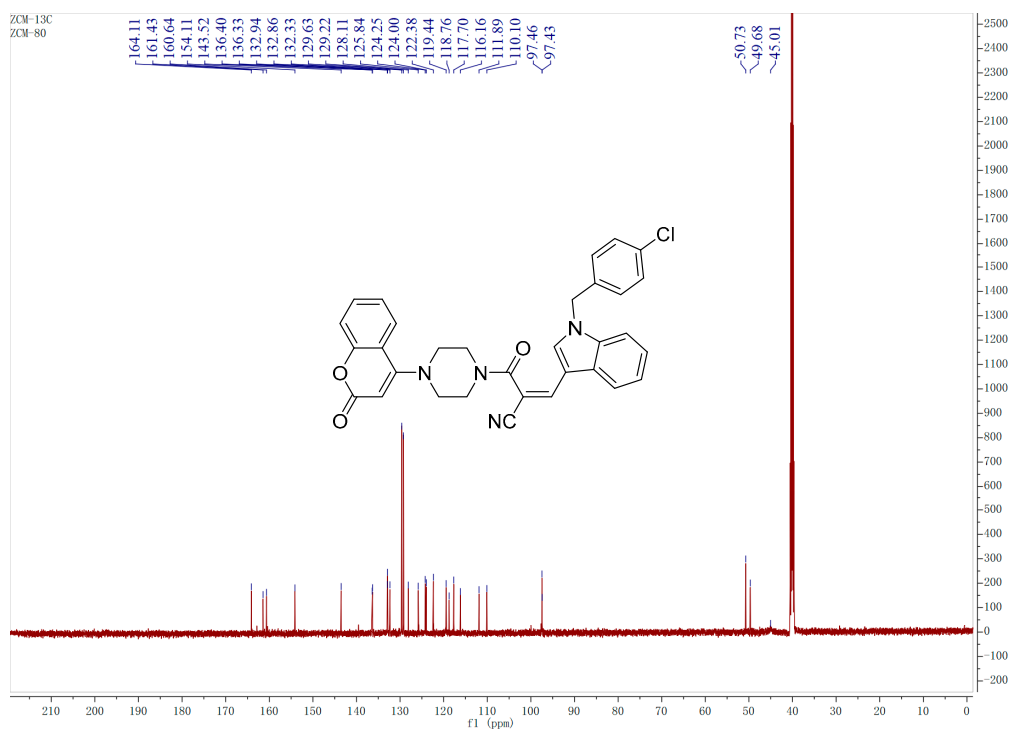


2.23. Spectra of compound **11f**

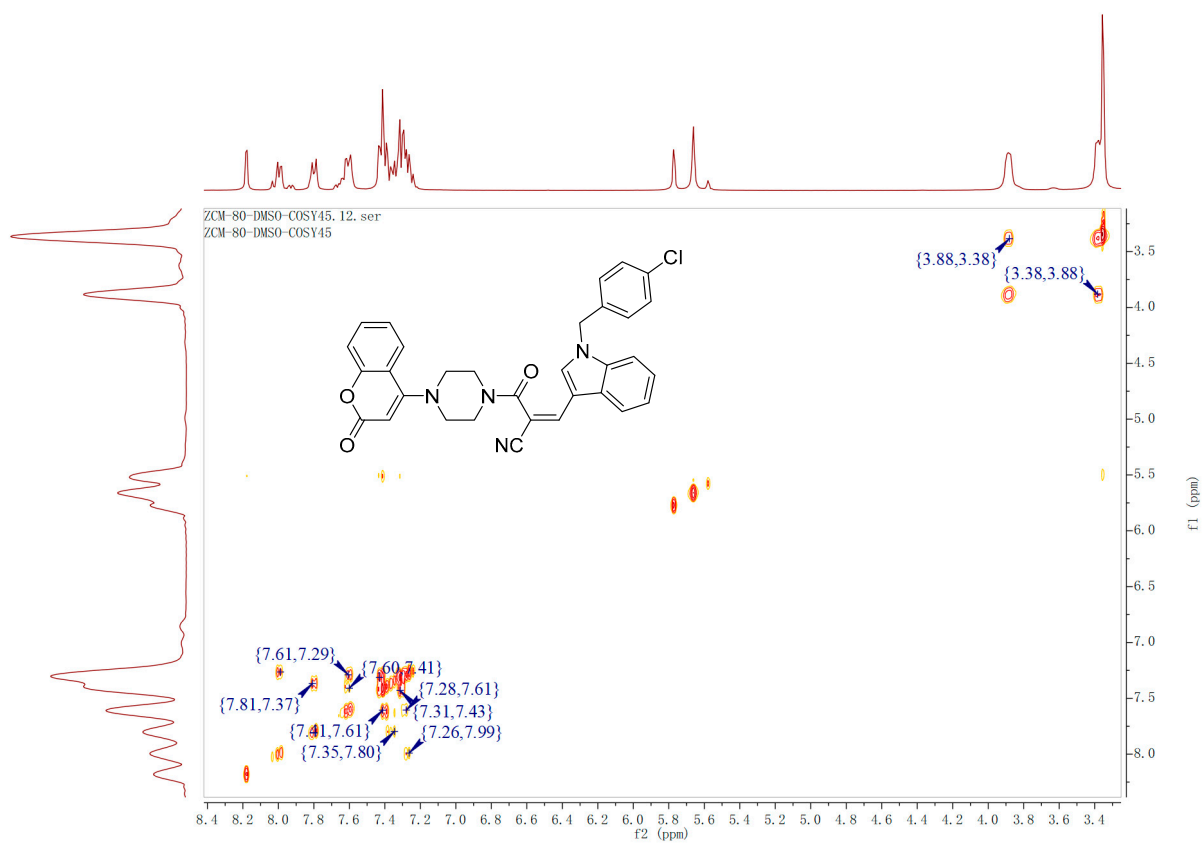
1H NMR spectrum (600 MHz, 25 °C, DMSO- d_6)



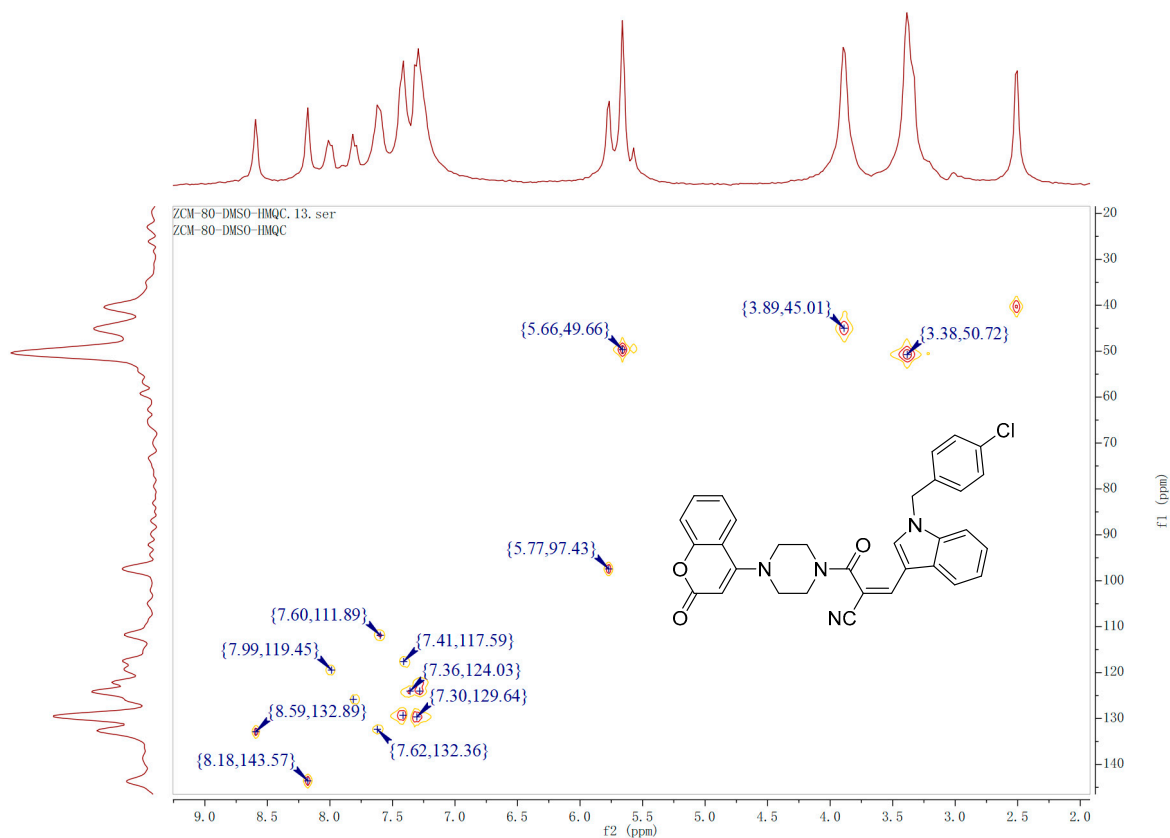
^{13}C NMR spectrum (151 MHz, 25 °C, DMSO- d_6)



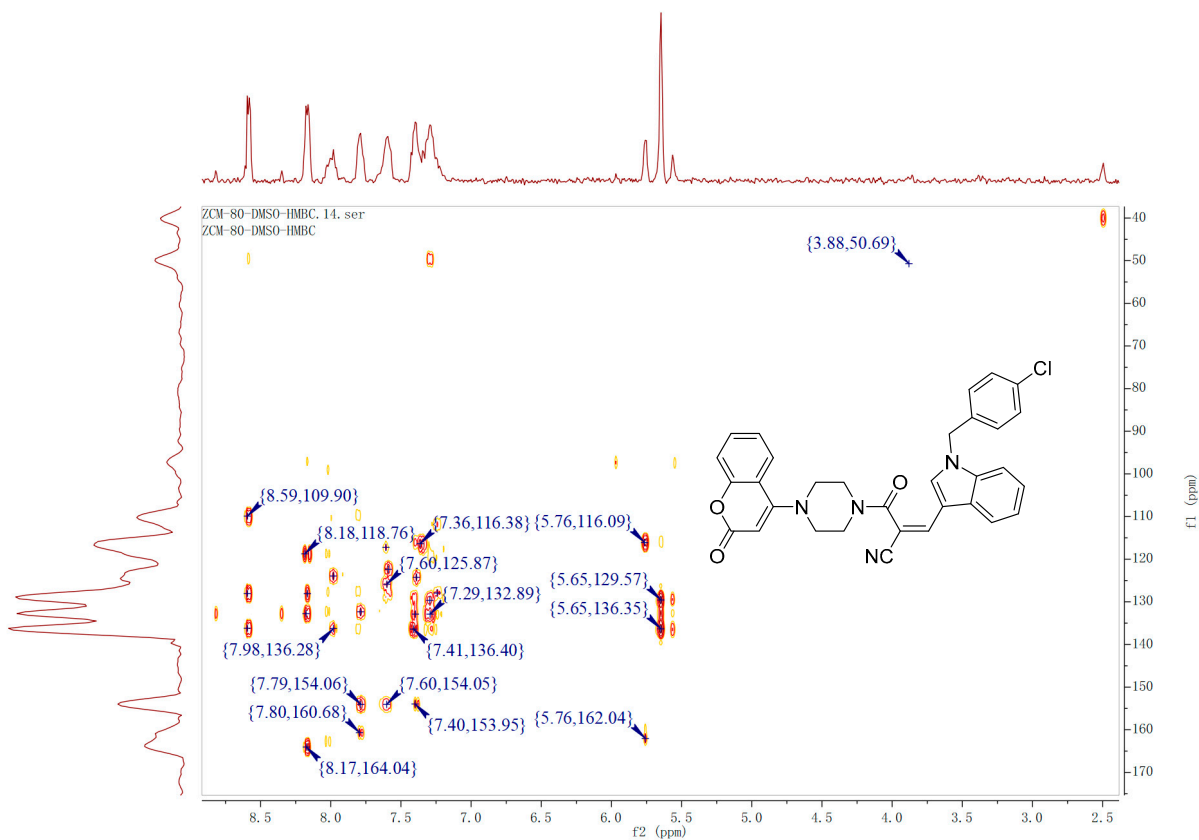
H-H COSY spectrum



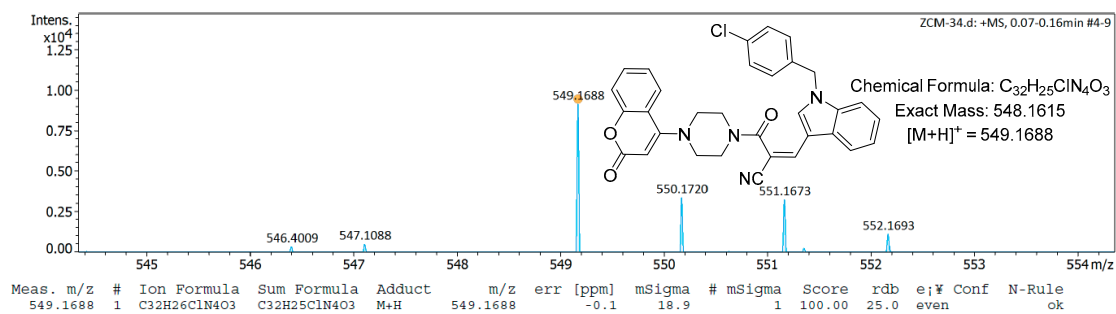
HMQC spectrum



HMBC spectrum

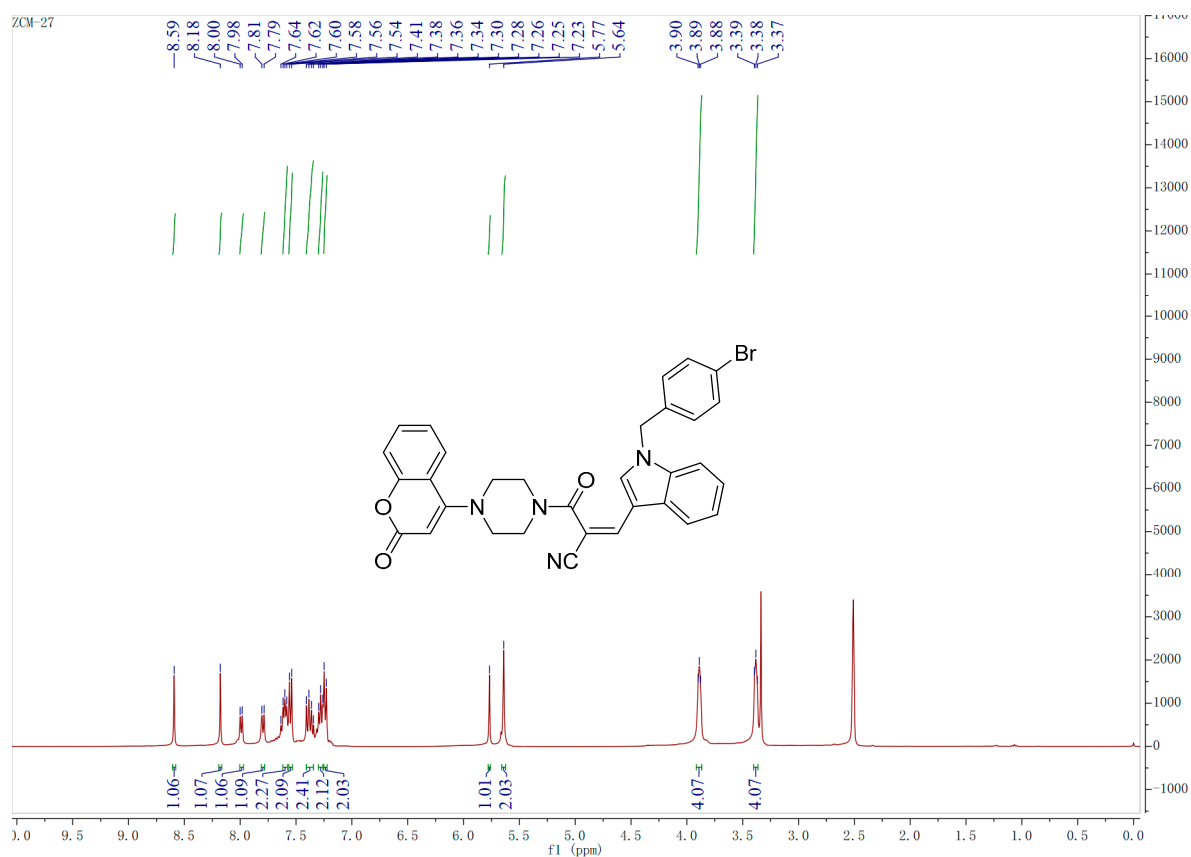


HRMS spectrum

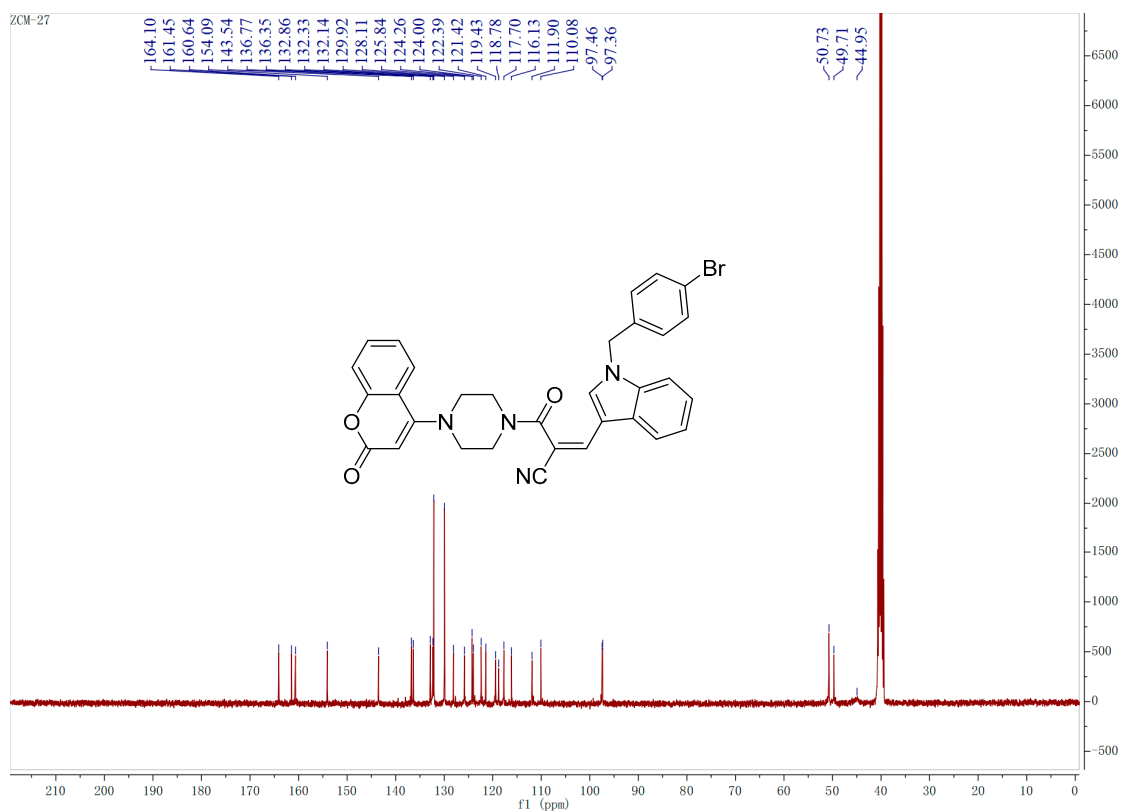


2.24. Spectra of compound **11g**

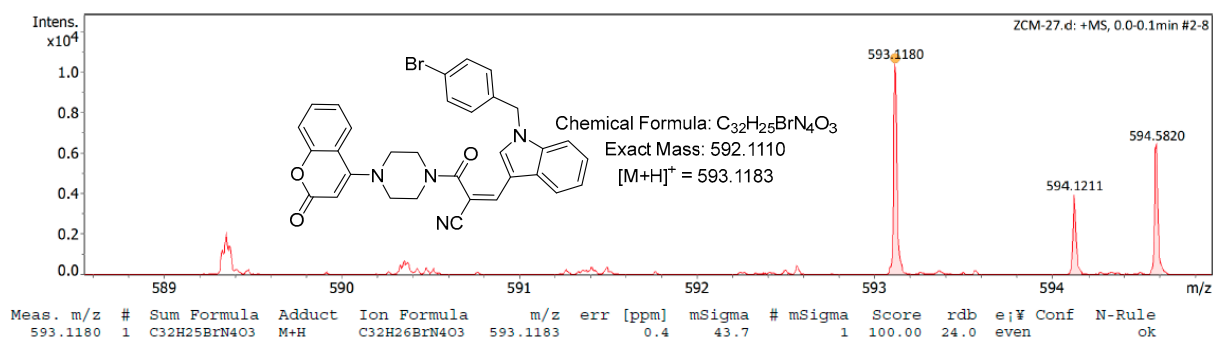
¹H NMR spectrum (400 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (101 MHz, 25 °C, DMSO-*d*₆)

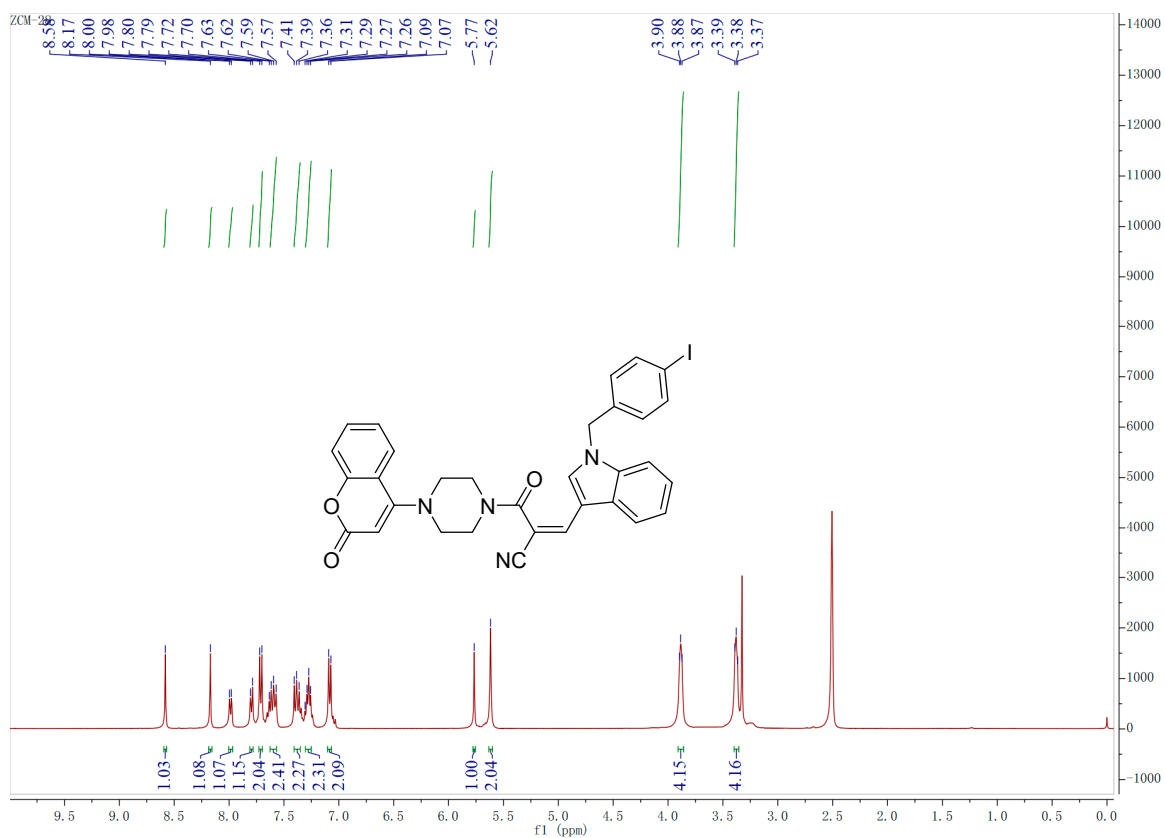


HRMS spectrum

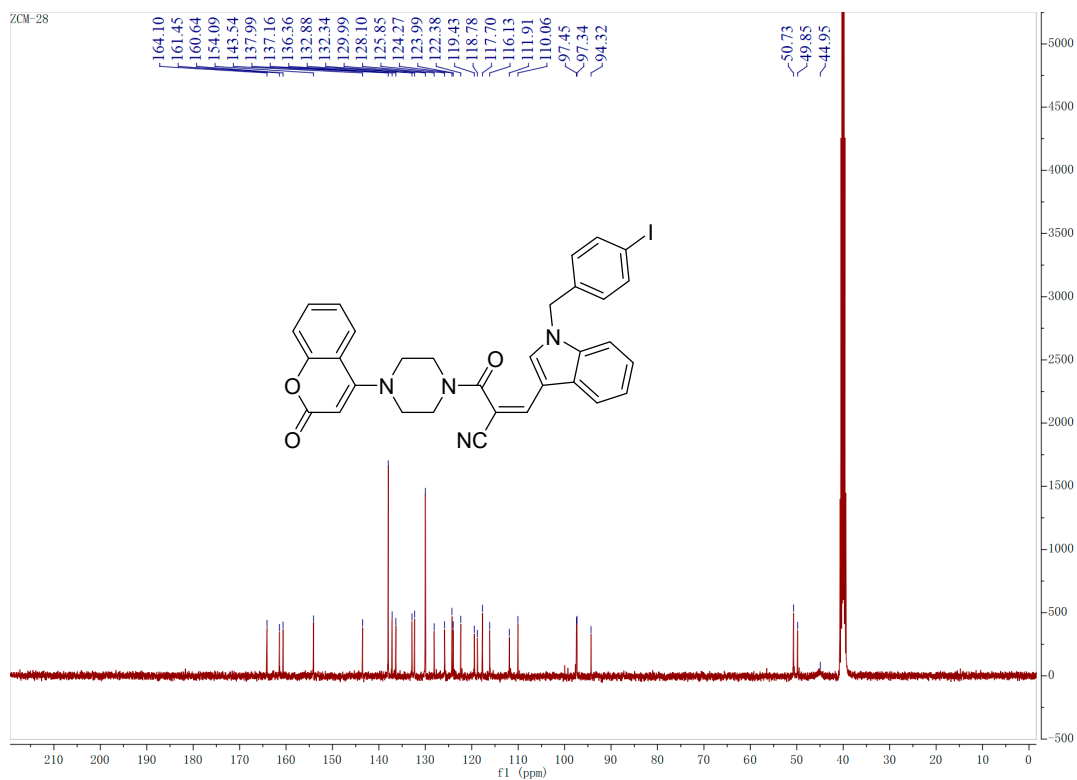


2.25. Spectra of compound 11h

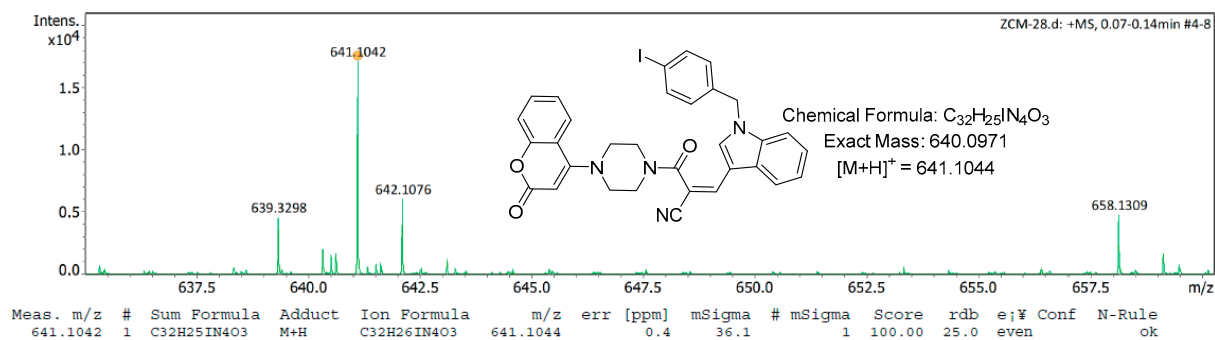
1H NMR spectrum (400 MHz, 25 °C, DMSO- d_6)



¹³C NMR spectrum (101 MHz, 25 °C, DMSO-*d*₆)

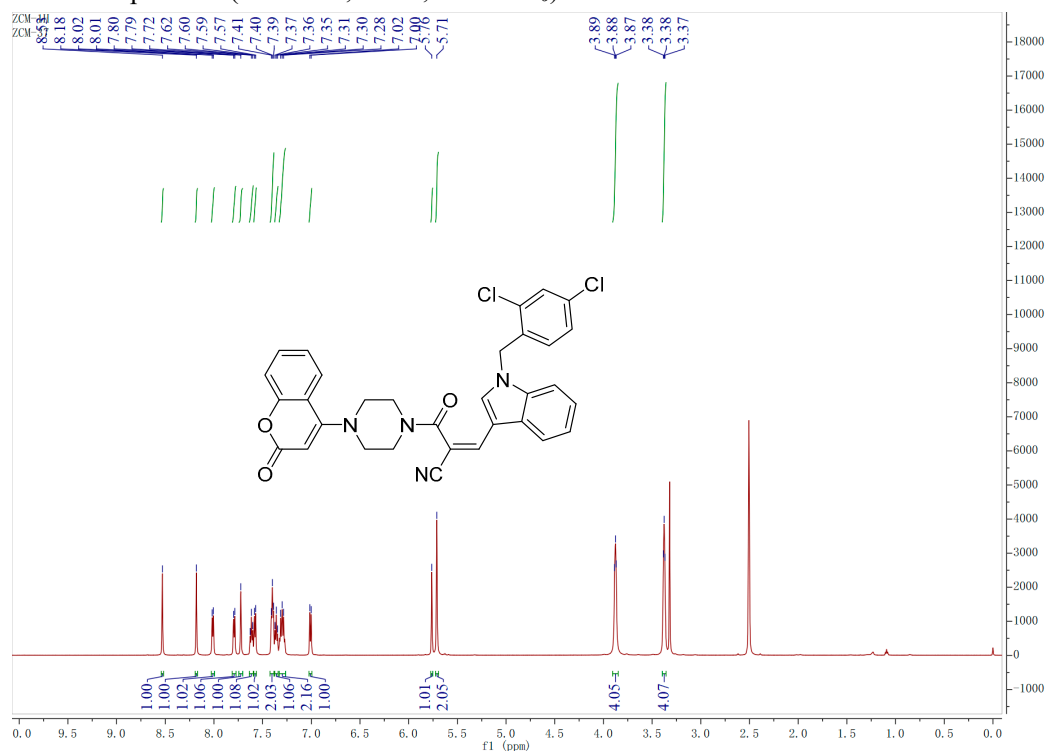


HRMS spectrum

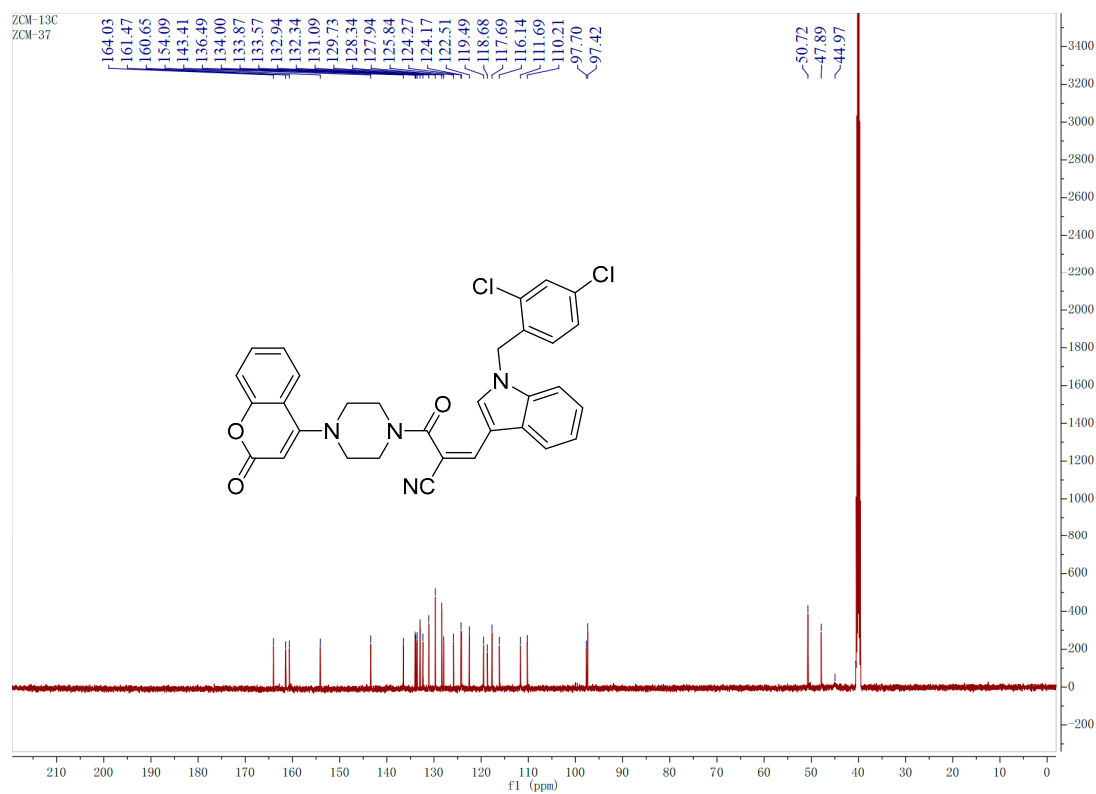


2.26. Spectra of compound 11i

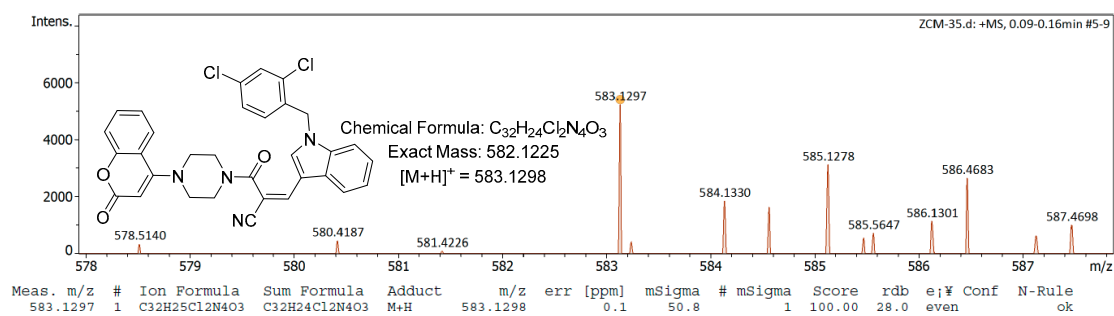
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

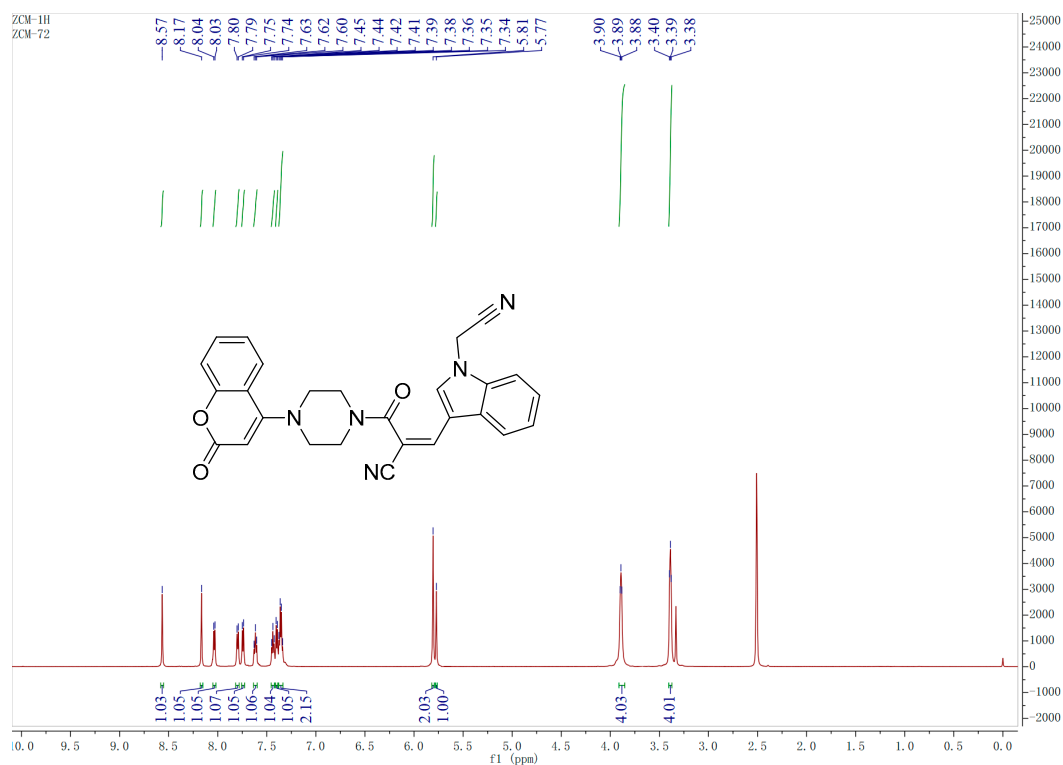


HRMS spectrum

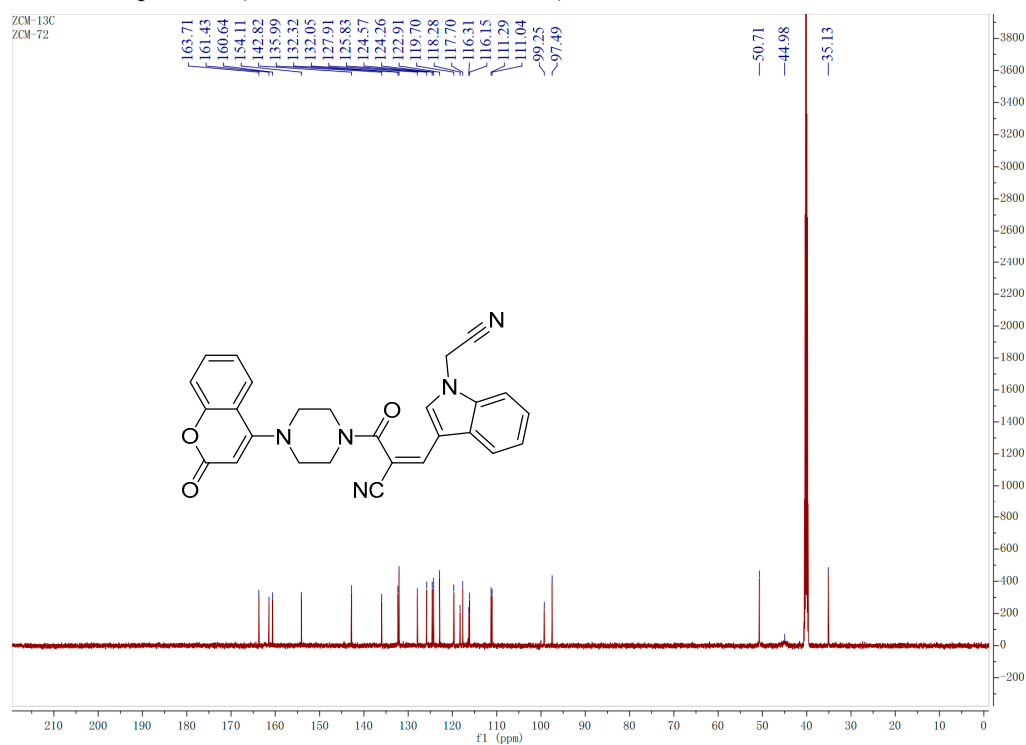


2.27. Spectra of compound 13a

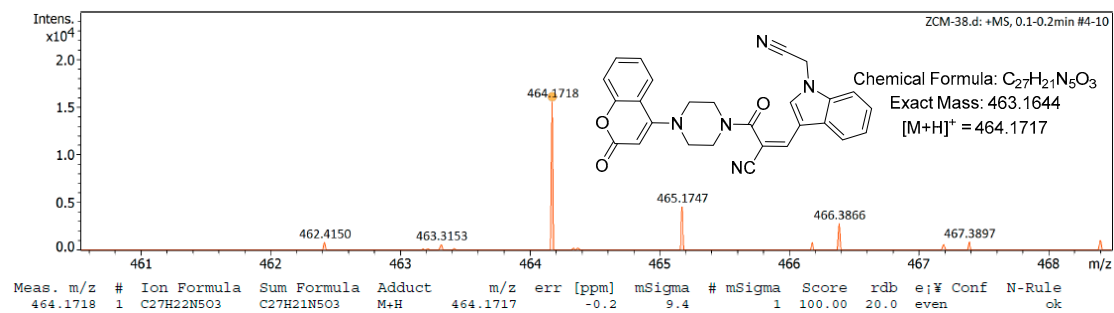
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)

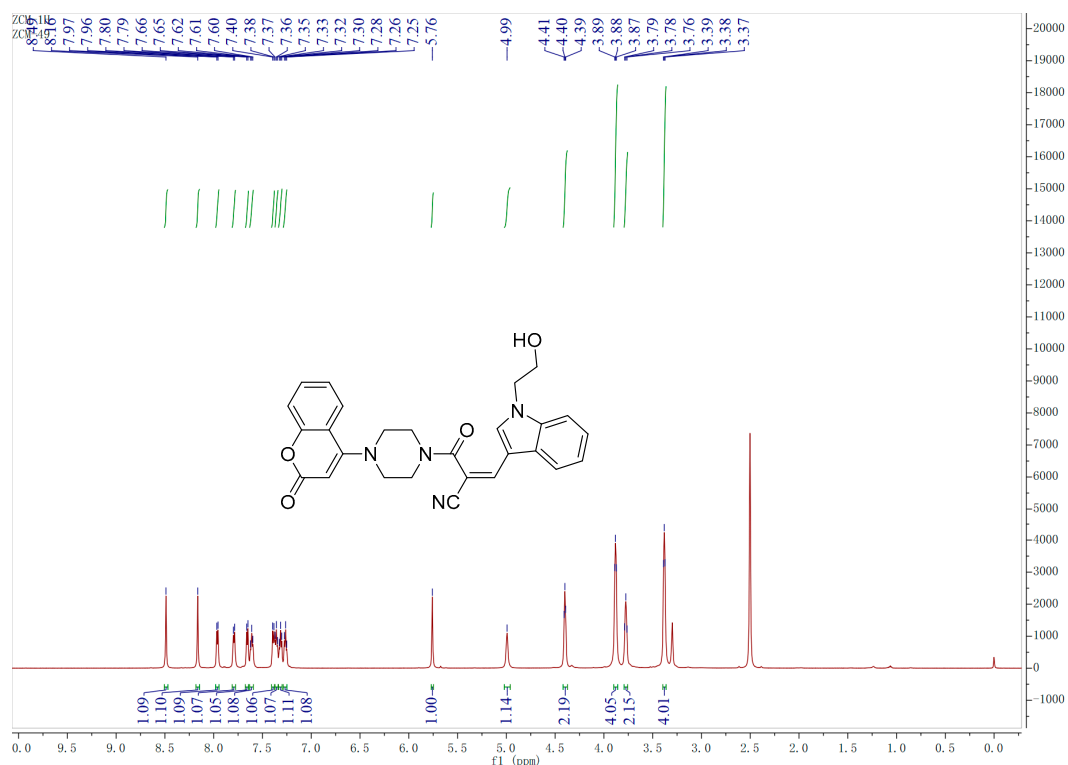


HRMS spectrum

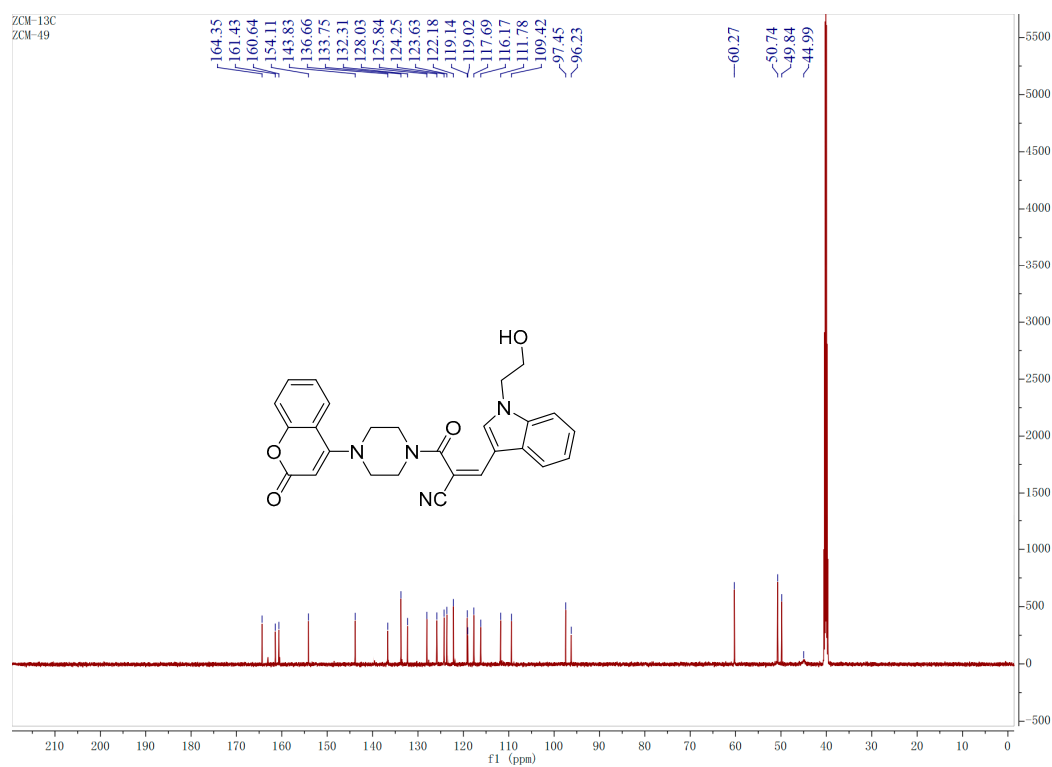


2.28. Spectra of compound 13b

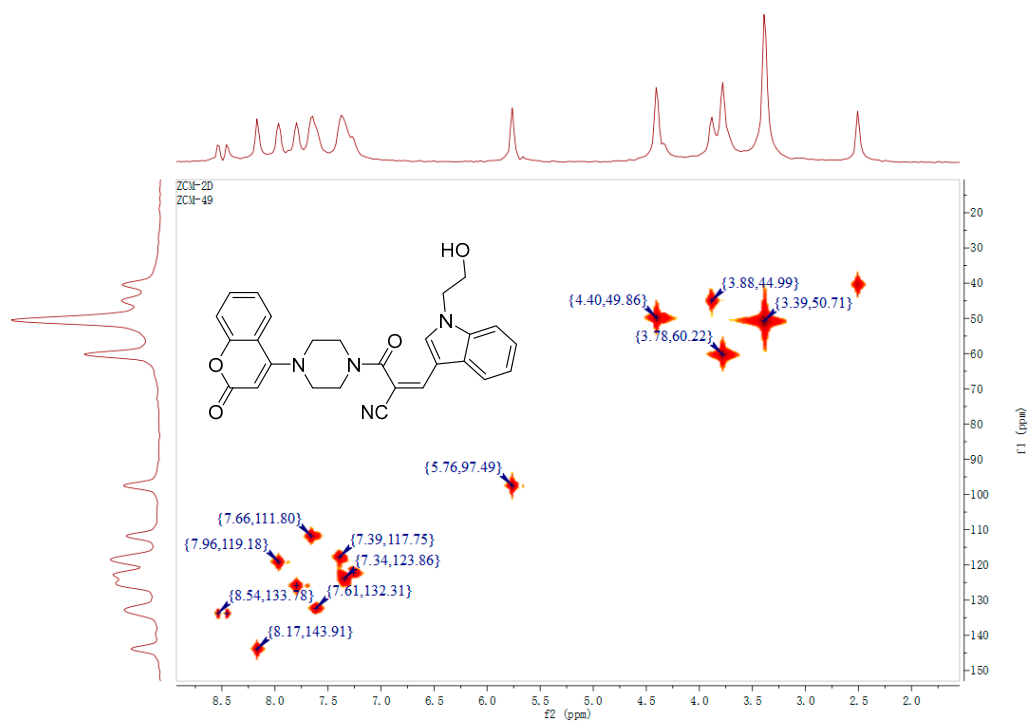
¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



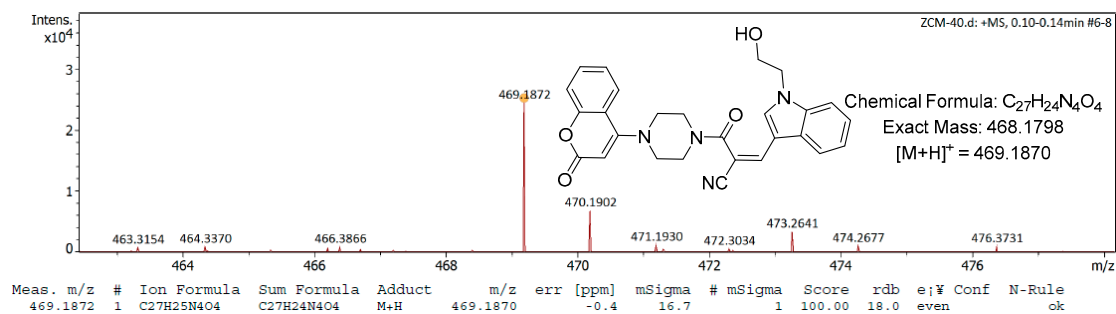
¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)



HMQC spectrum

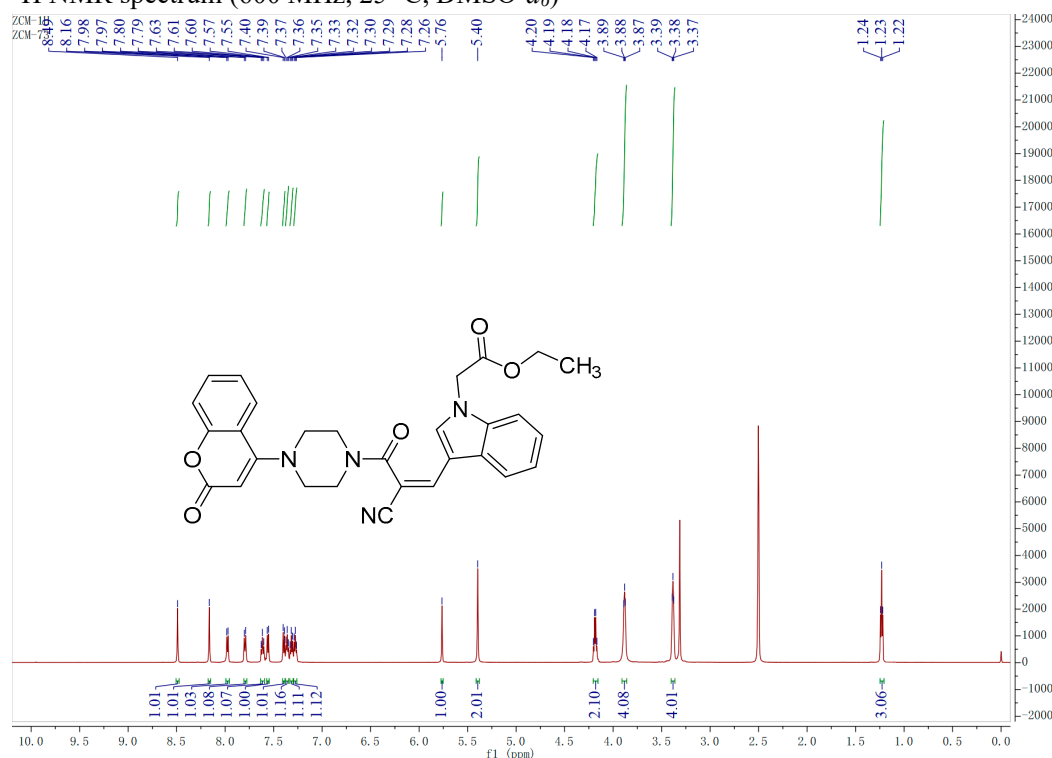


HRMS spectrum

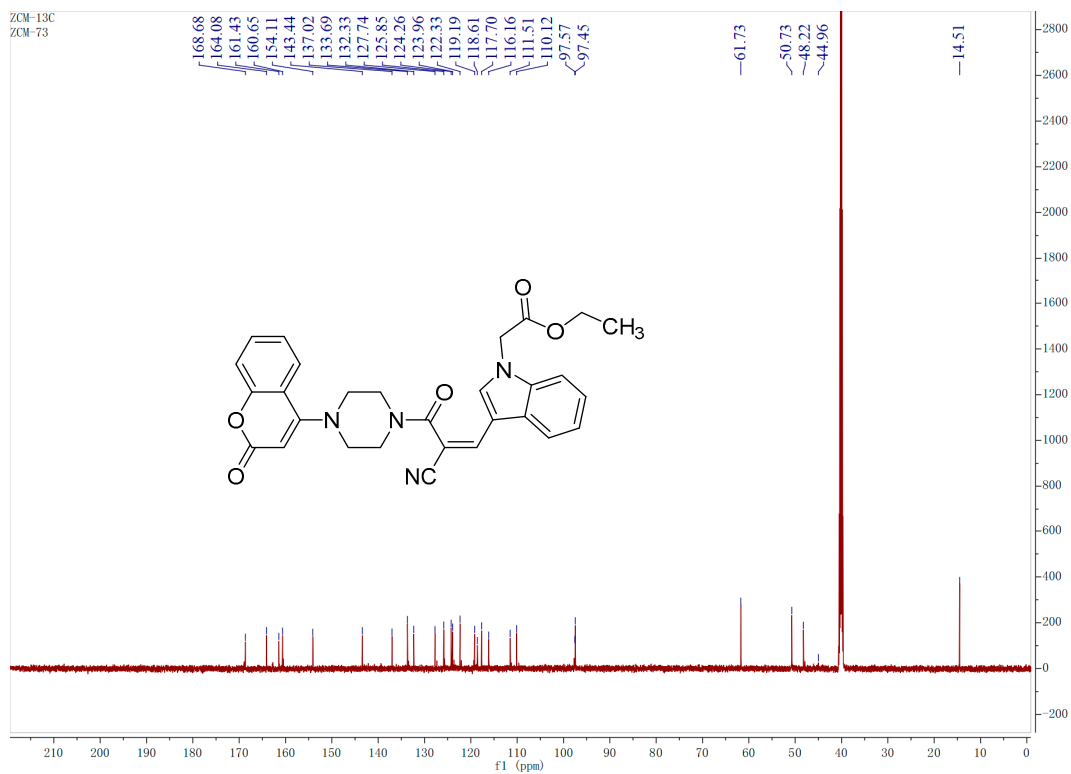


2.29. Spectra of compound 13c

¹H NMR spectrum (600 MHz, 25 °C, DMSO-*d*₆)



¹³C NMR spectrum (151 MHz, 25 °C, DMSO-*d*₆)



HRMS spectrum

