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MDPI

Supplementary Materials

Discovery of Flavone Derivatives Containing Carboxamide Fragments as Novel Antiviral Agents

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† These authors contributed equally to this work.

Contents

Section S1. Phytotoxic Activity

The growing 5–6 leaf stage tobaccos (*Nicotiana tabacum var Xanthi nc*) were selected. The compound solution (500 μg/mL) was smeared on the leaves and calculated the number of lesions after 0, 3, 7 and 10 days respectively. [7,51] There are three replicates for each compound.

Section S3. Copies of NMR spectra (Figures S1–S60)

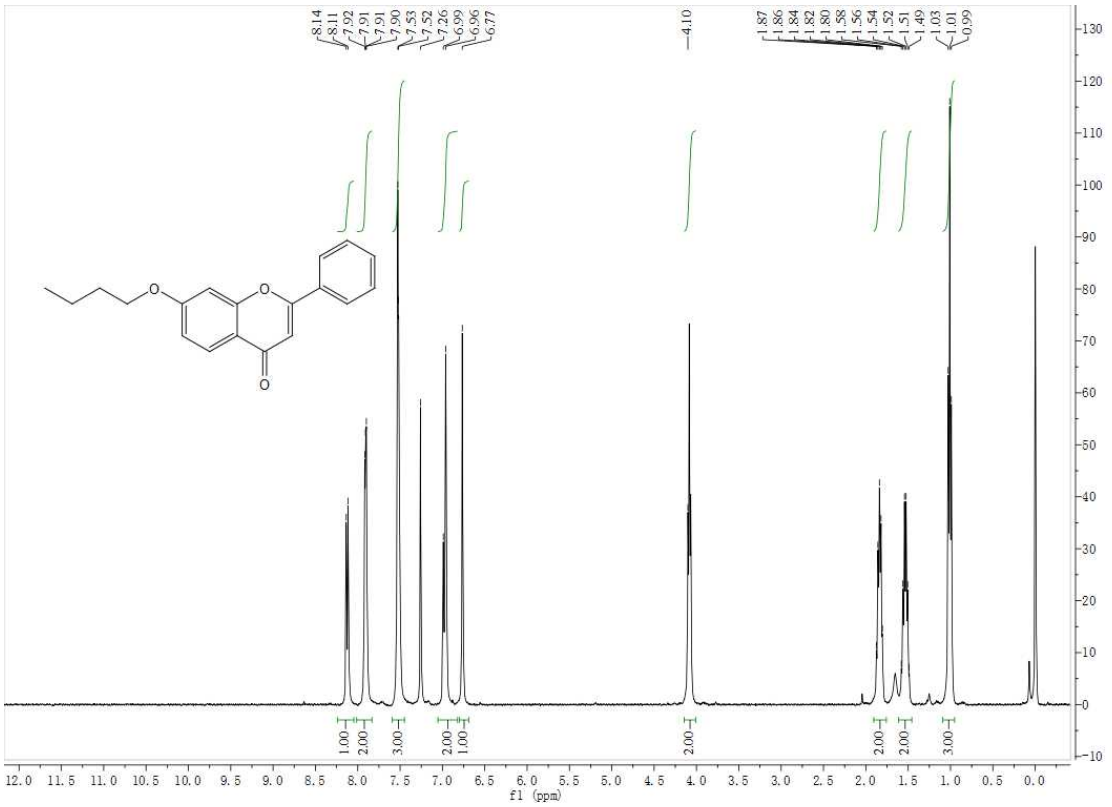

Figure S1. ^{1}H NMR spectrum of **2a**

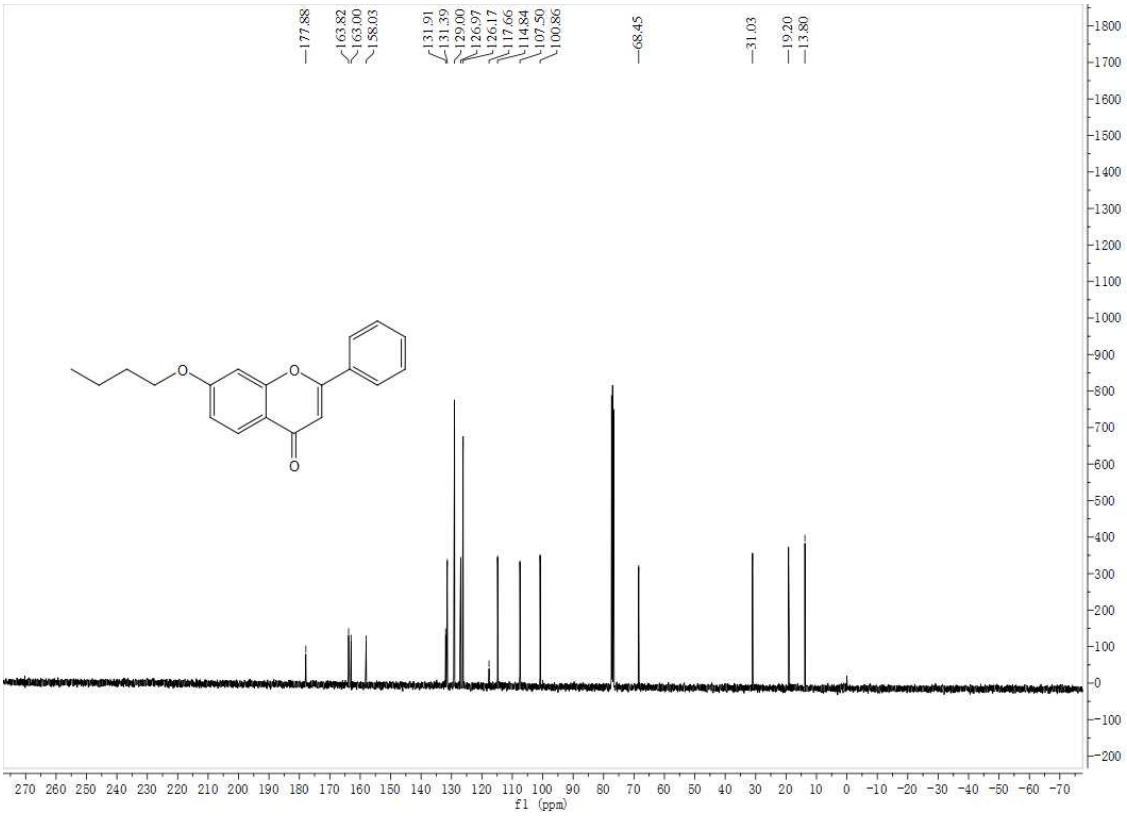

Figure S2. ^{13}C NMR spectrum of **2a**

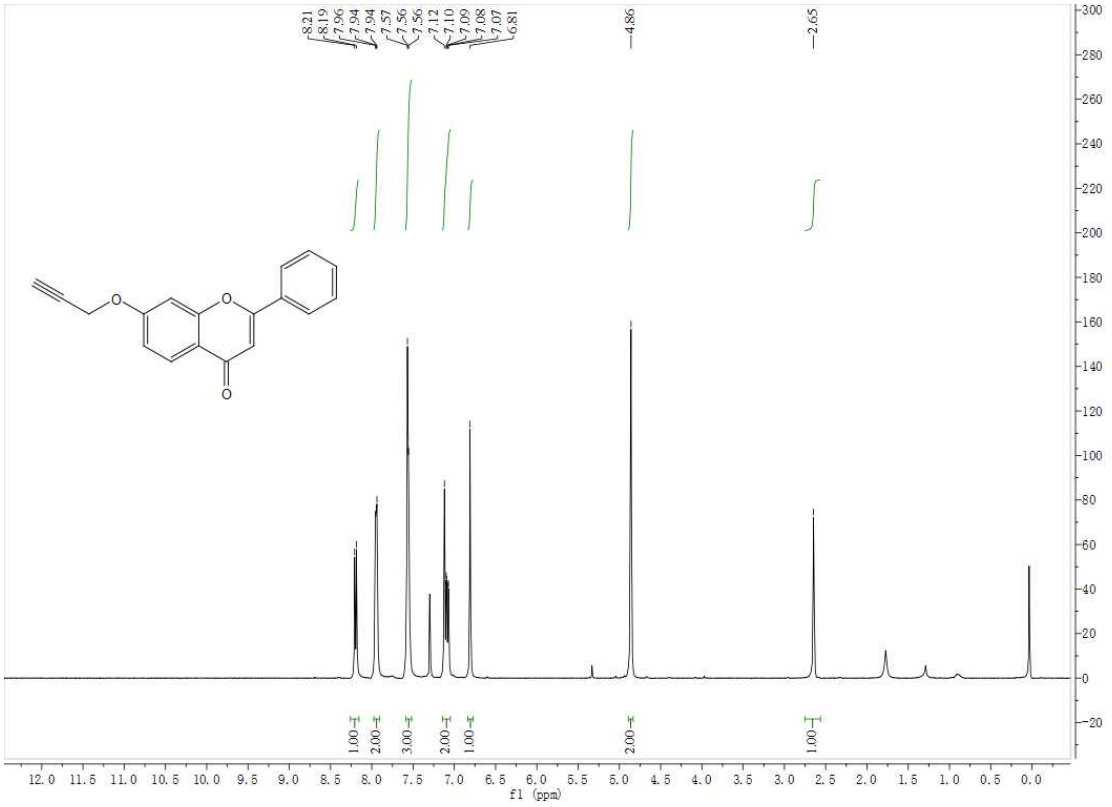

Figure S3. [1]H NMR spectrum of **2b**

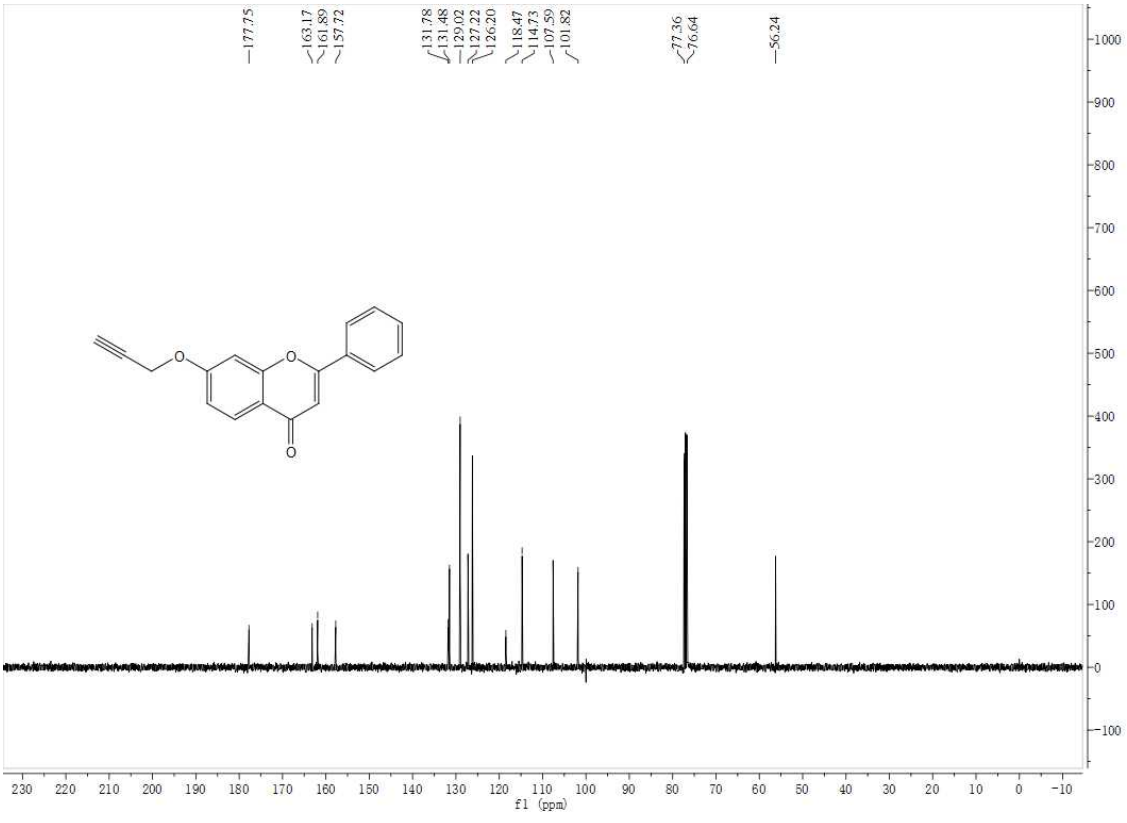

Figure S4. [13]C NMR spectrum of **2b**

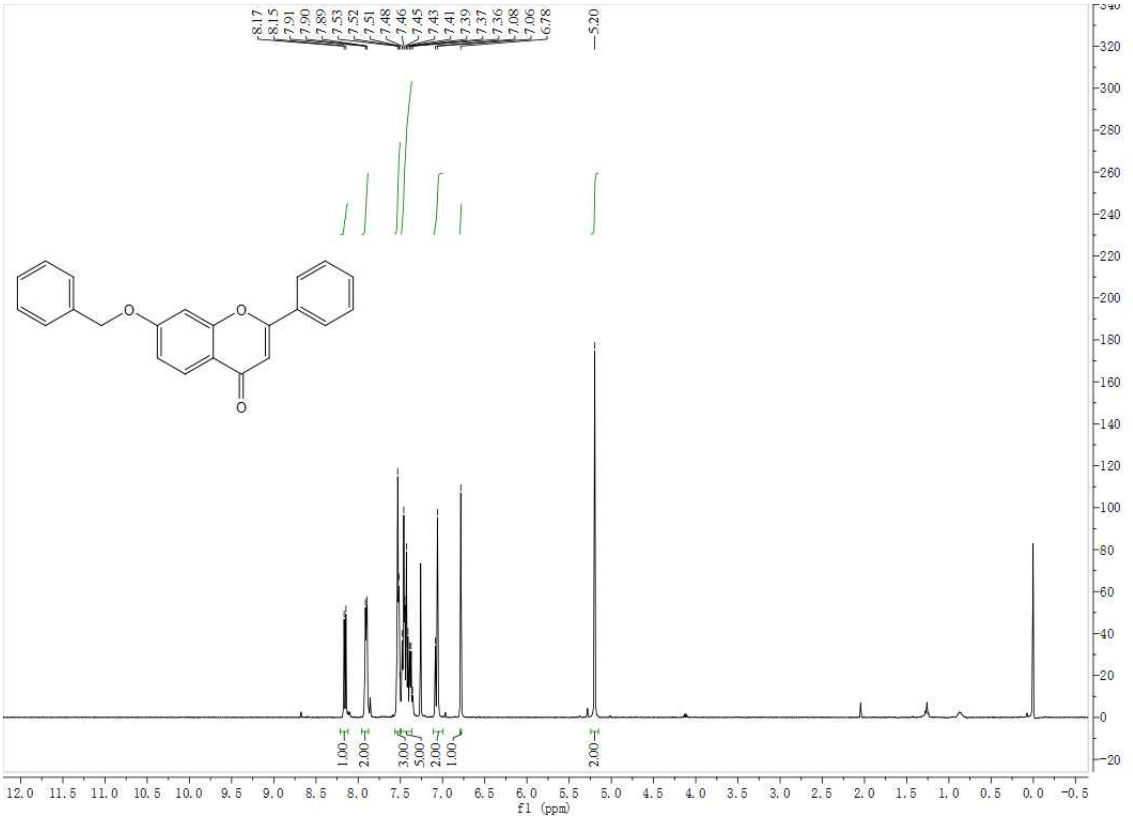

Figure S5. [1]H NMR spectrum of **2c**

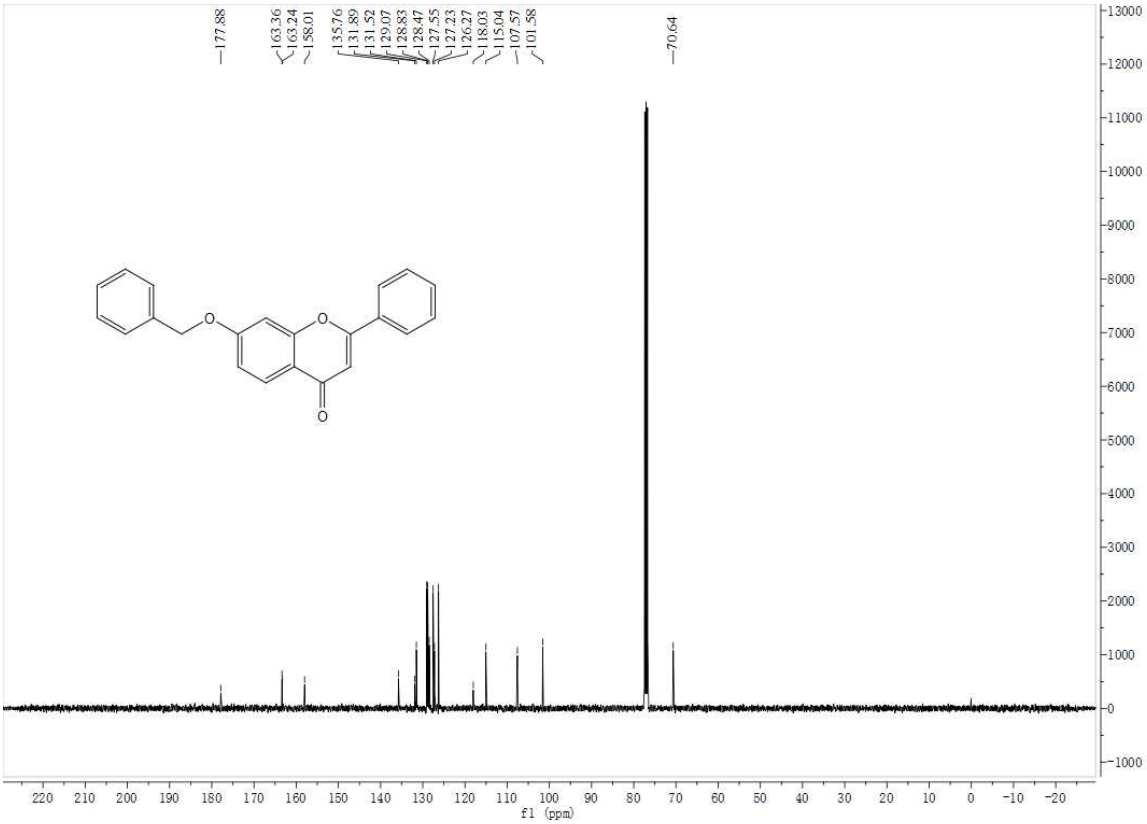

Figure S6. [13]C NMR spectrum of **2c**

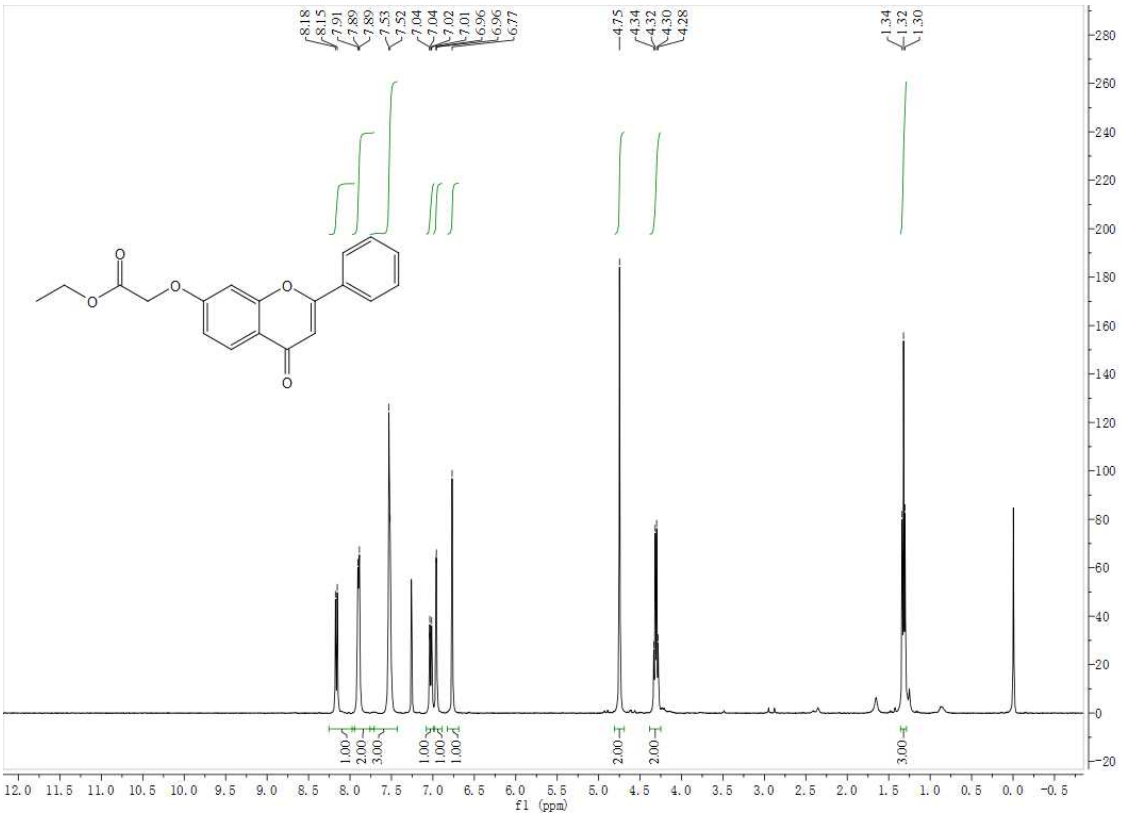

Figure S7. [1]H NMR spectrum of **2d**

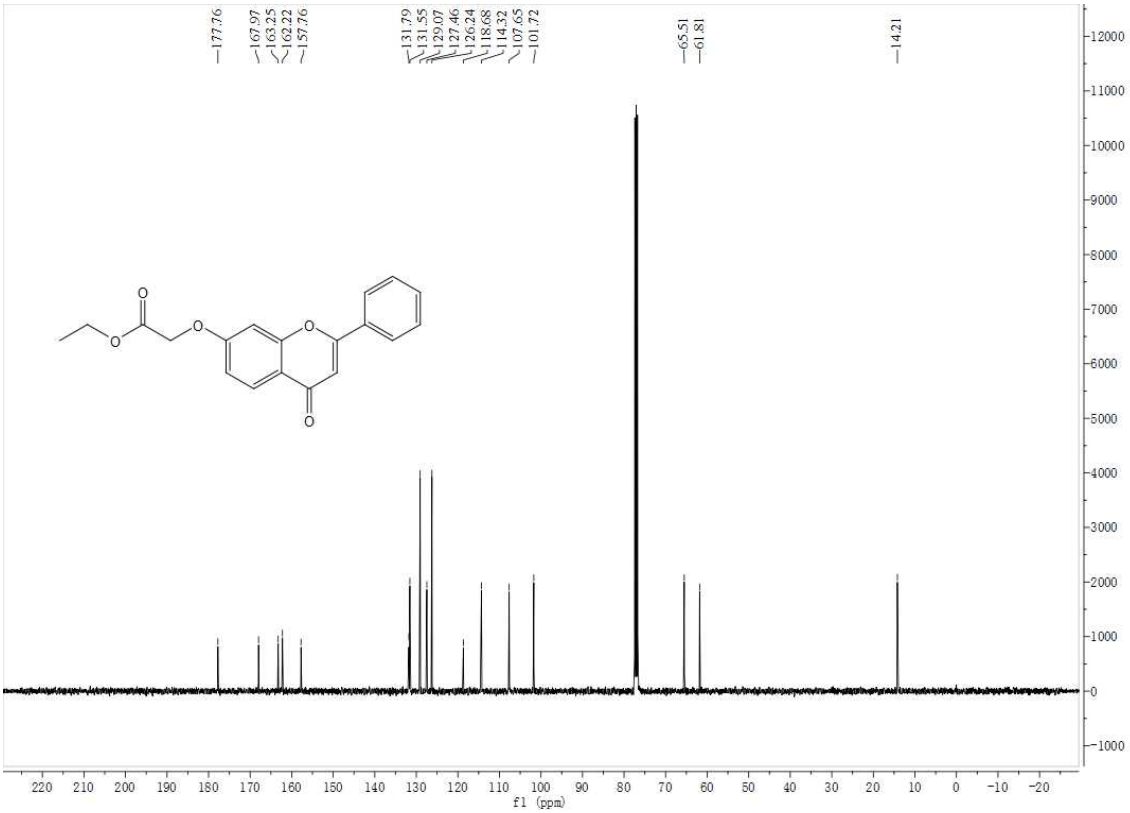

Figure S8. [13]C NMR spectrum of **2d**

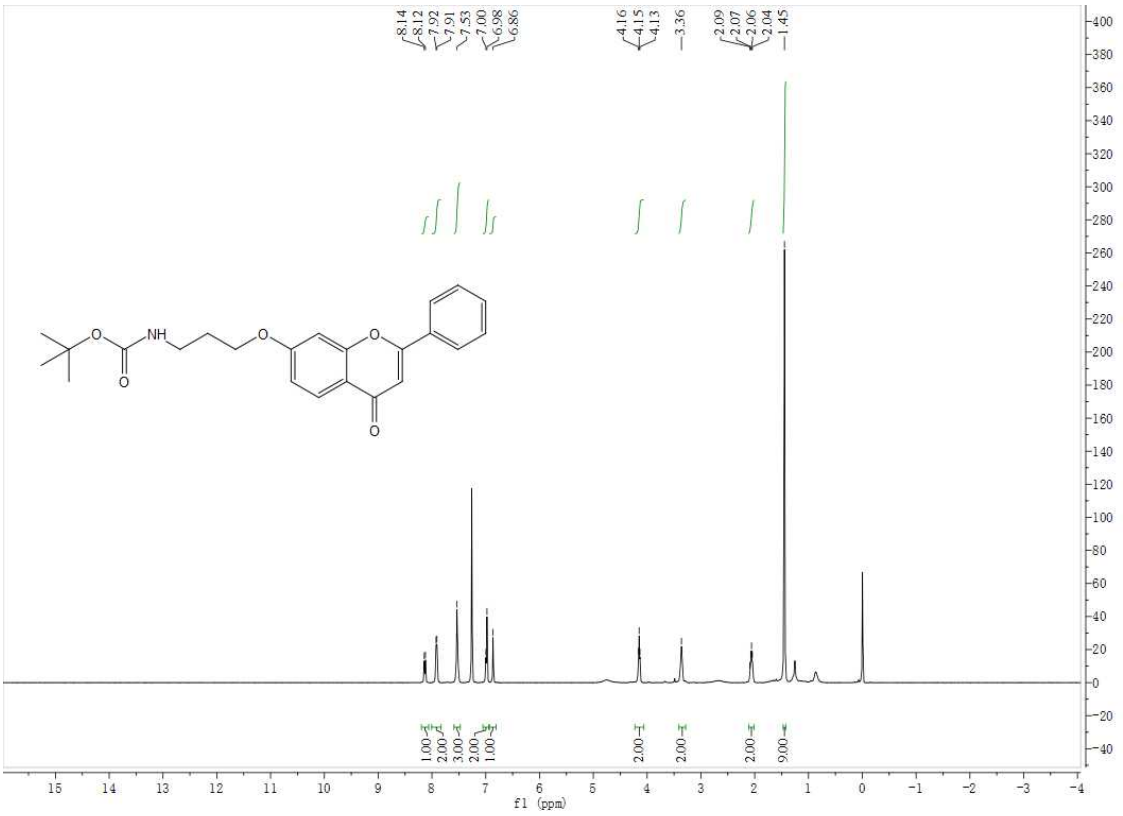

Figure S9. ^{1}H NMR spectrum of **2e**

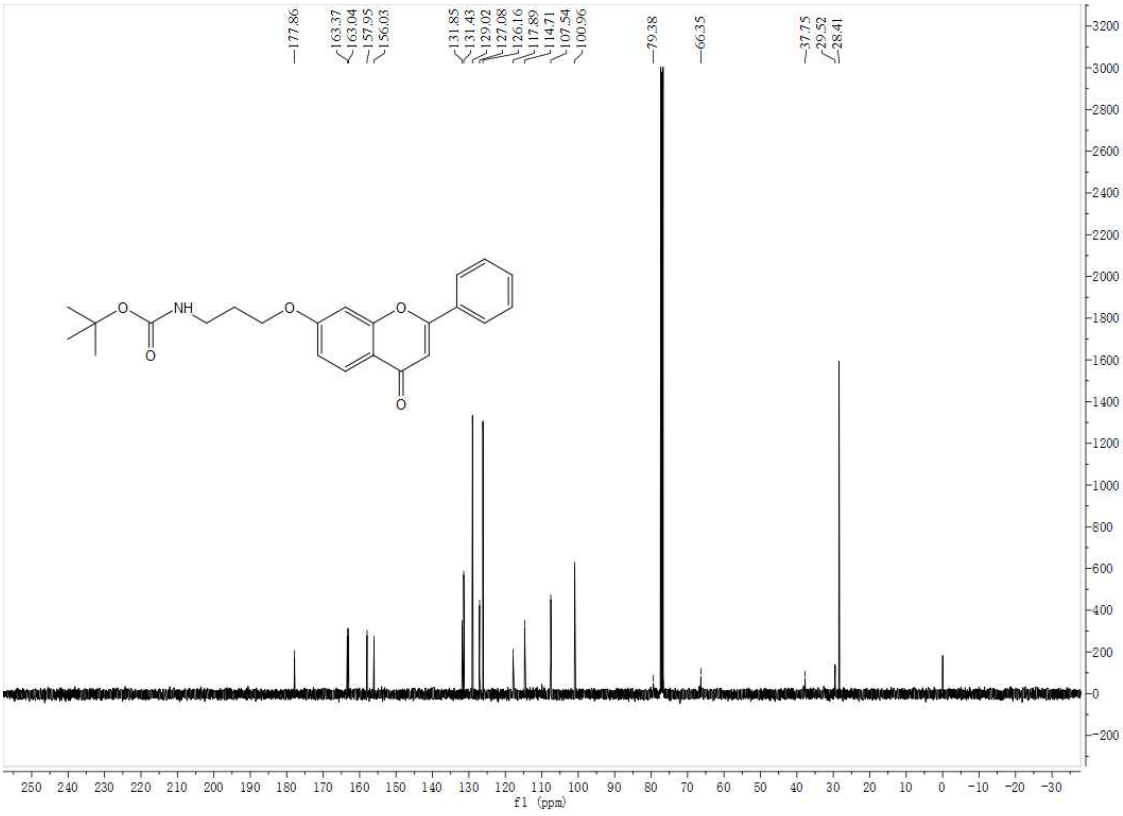

Figure S10. ^{13}C NMR spectrum of **2e**

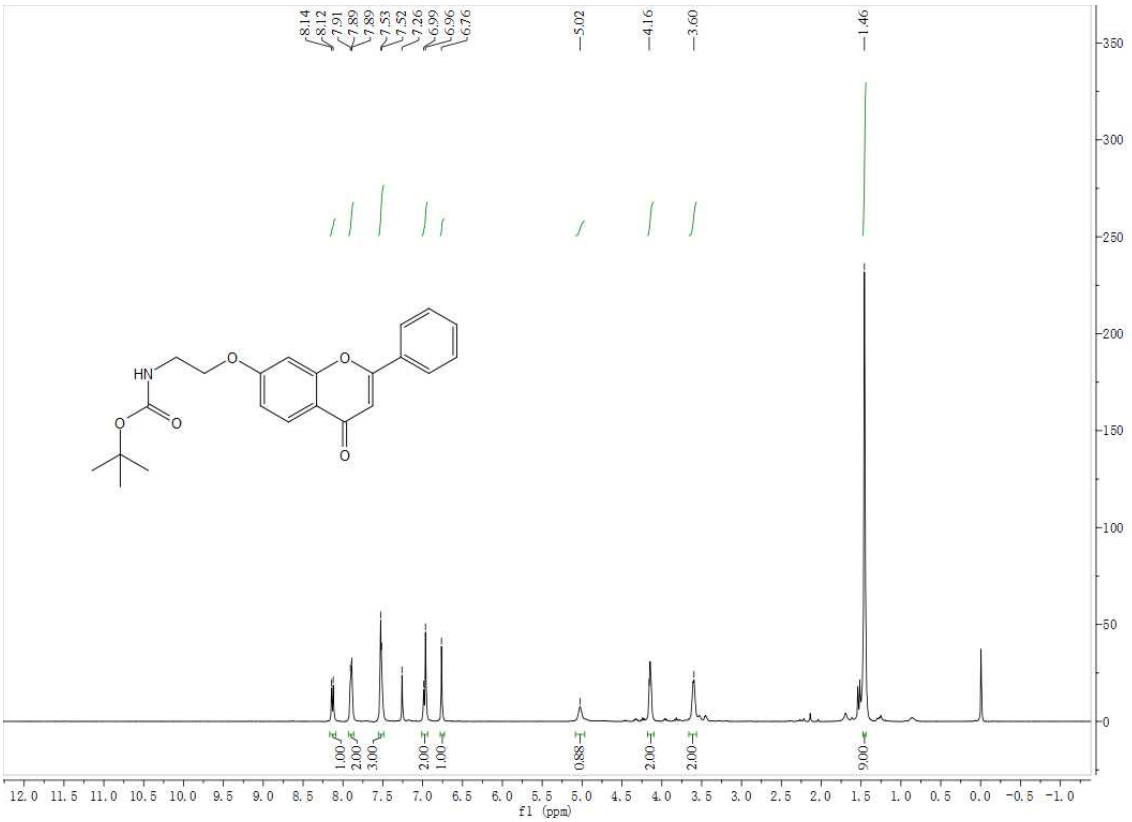

Figure S11. [1]H NMR spectrum of **2f**

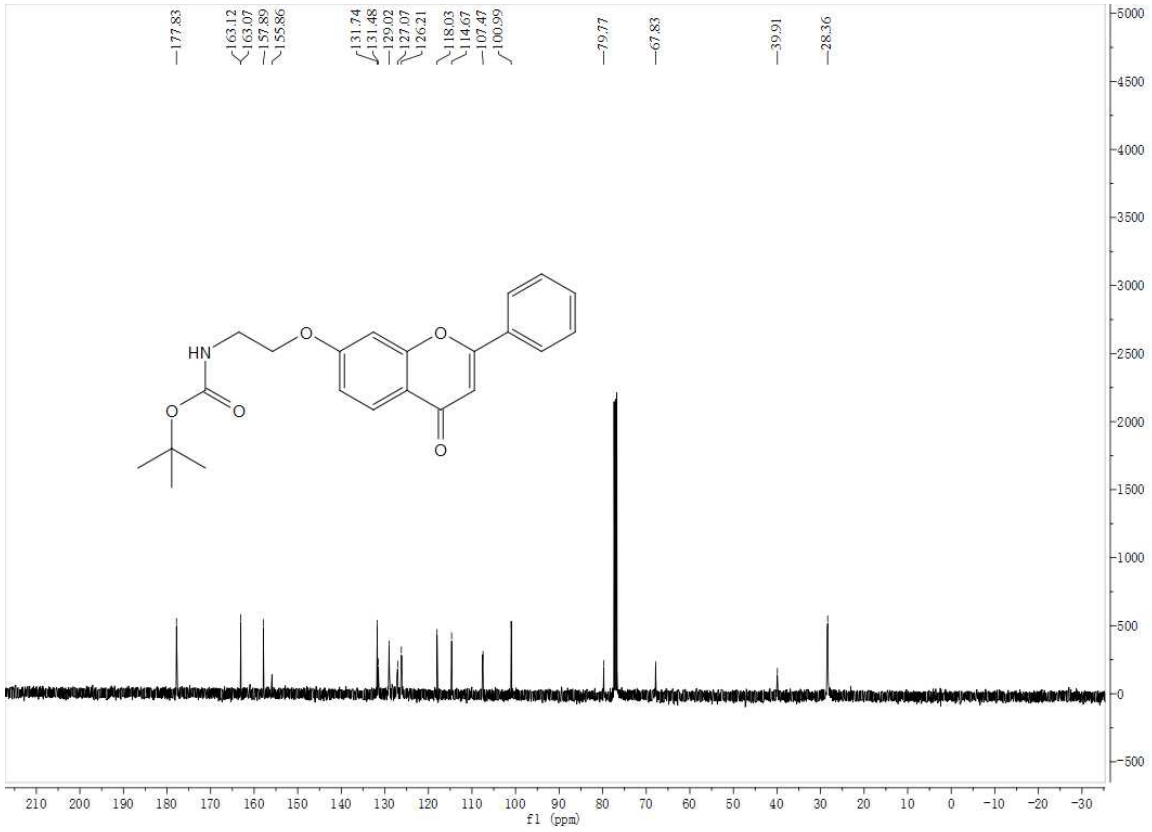

Figure S12. [13]C NMR spectrum of **2f**

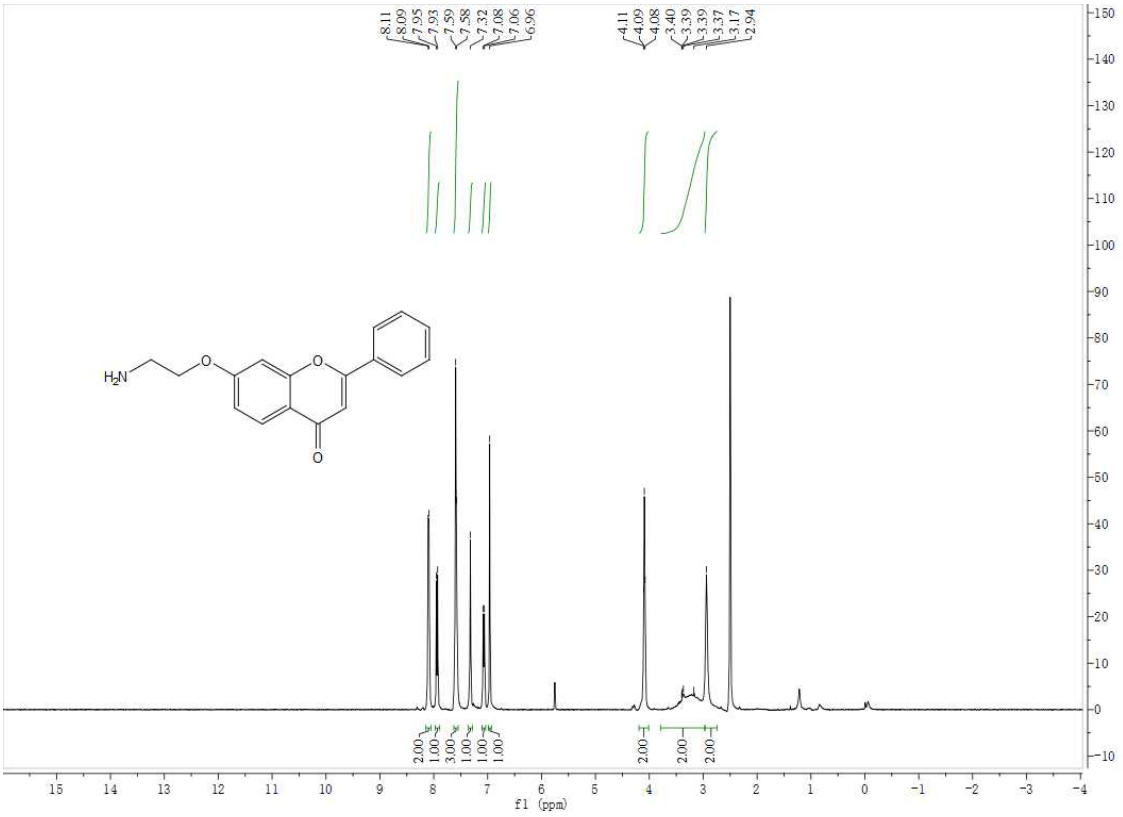

Figure S13. [1]H NMR spectrum of **3**

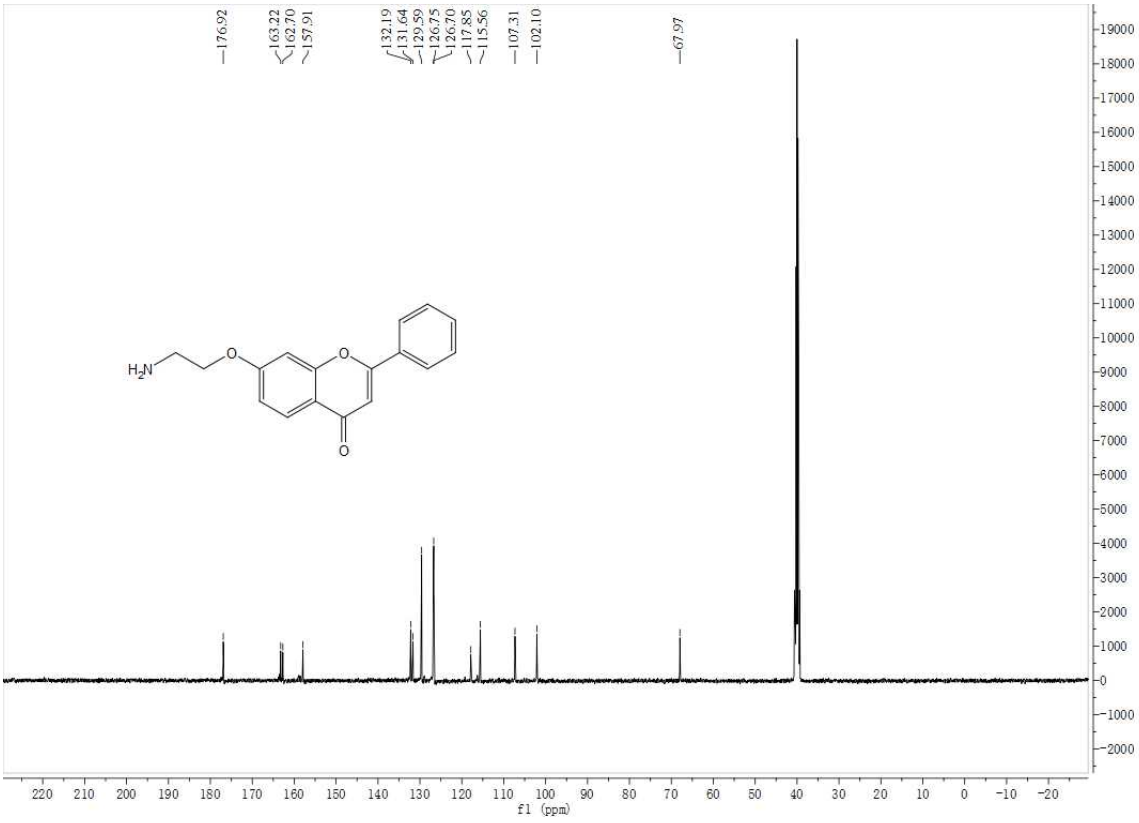

Figure S14. [13]C NMR spectrum of **3**

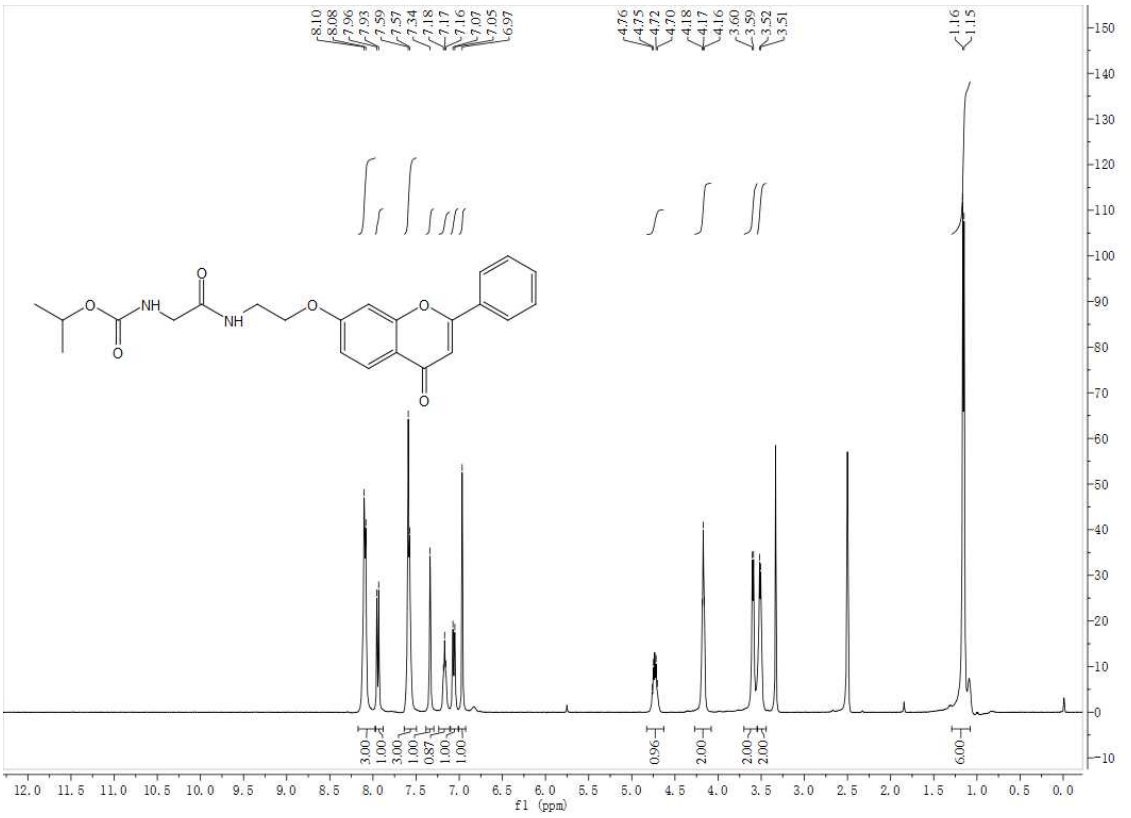

Figure S15. ^{1}H NMR spectrum of **4a**

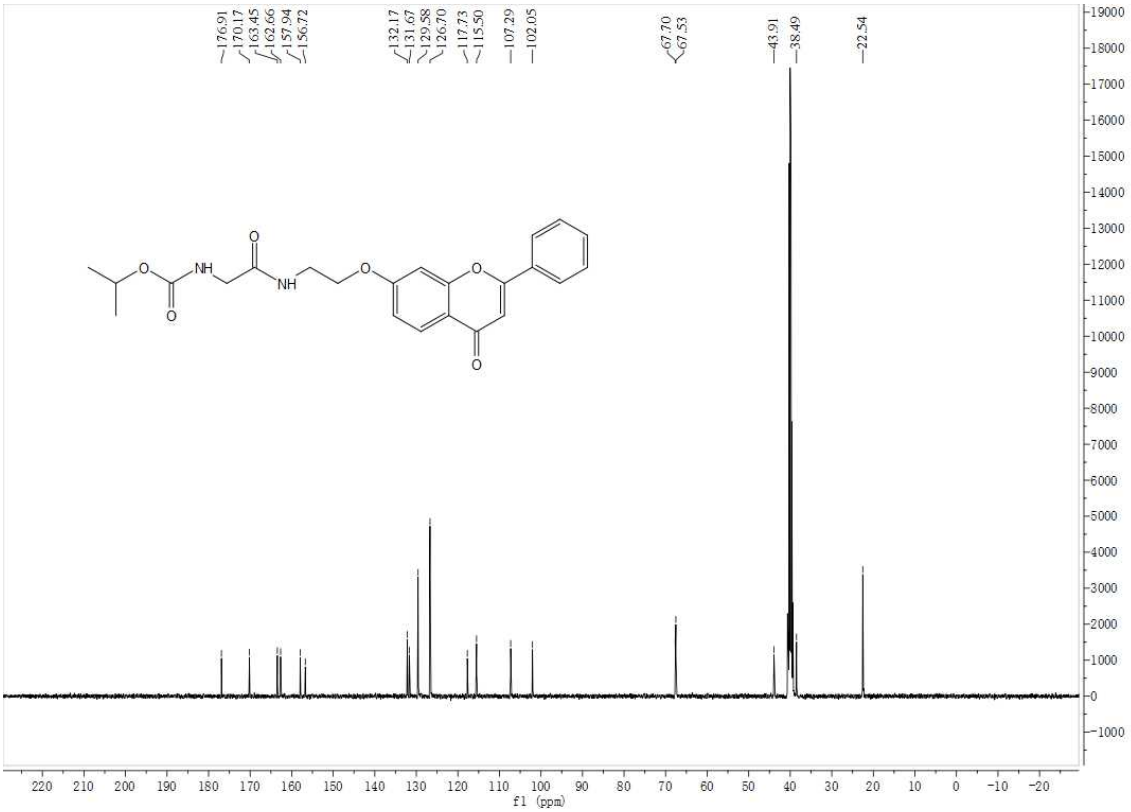

Figure S16. ^{13}C NMR spectrum of **4a**

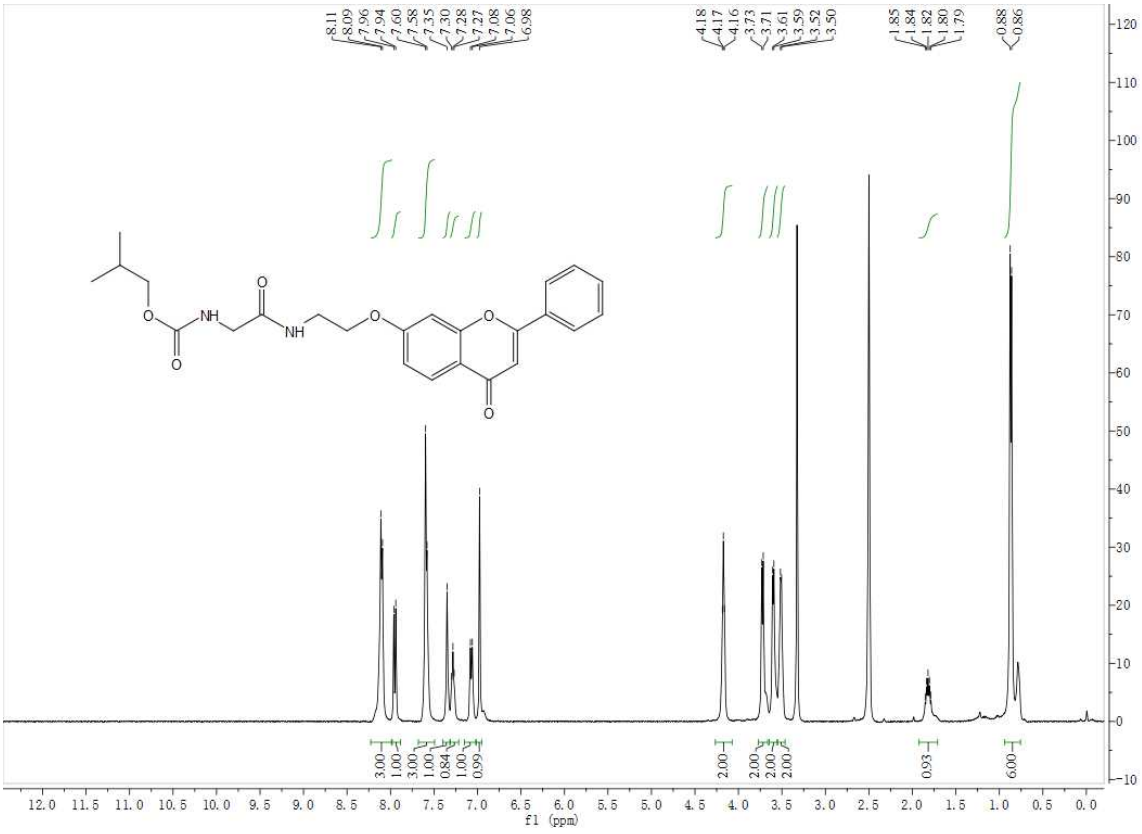

Figure S17. ^{1}H NMR spectrum of **4b**

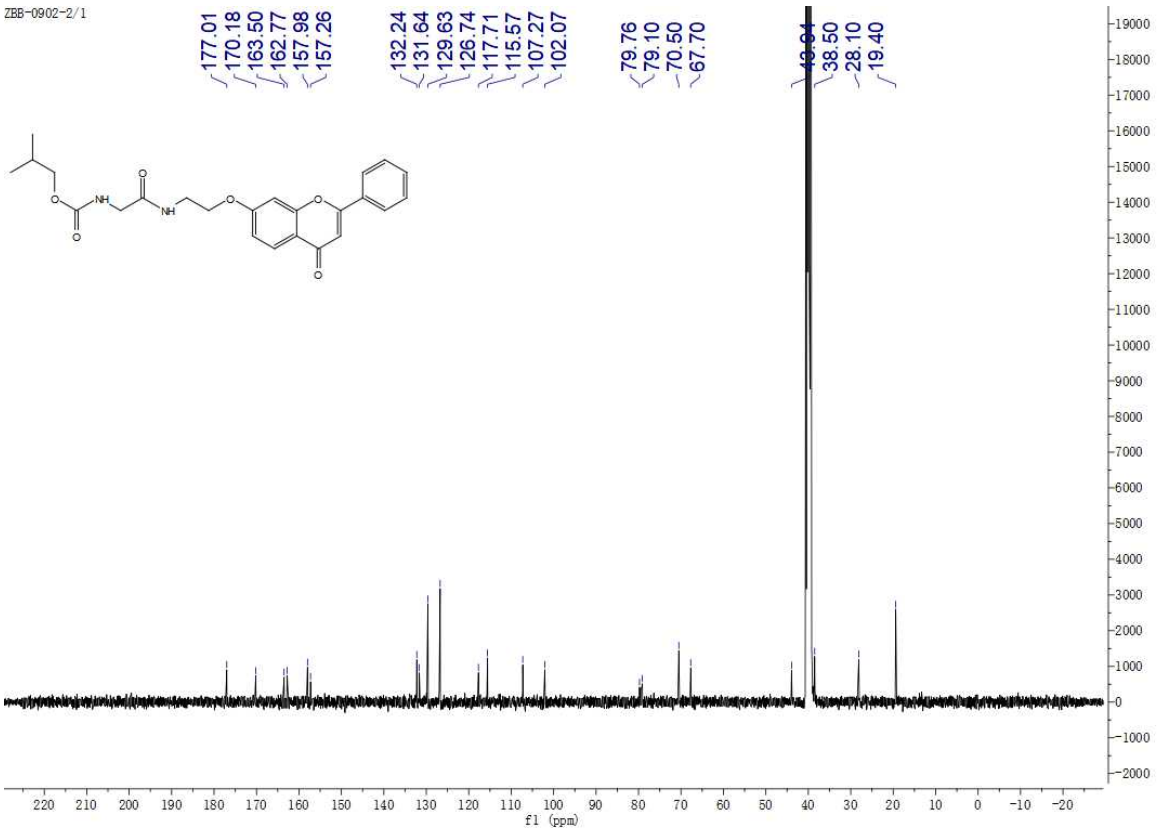

Figure S18. ^{13}C NMR spectrum of **4b**

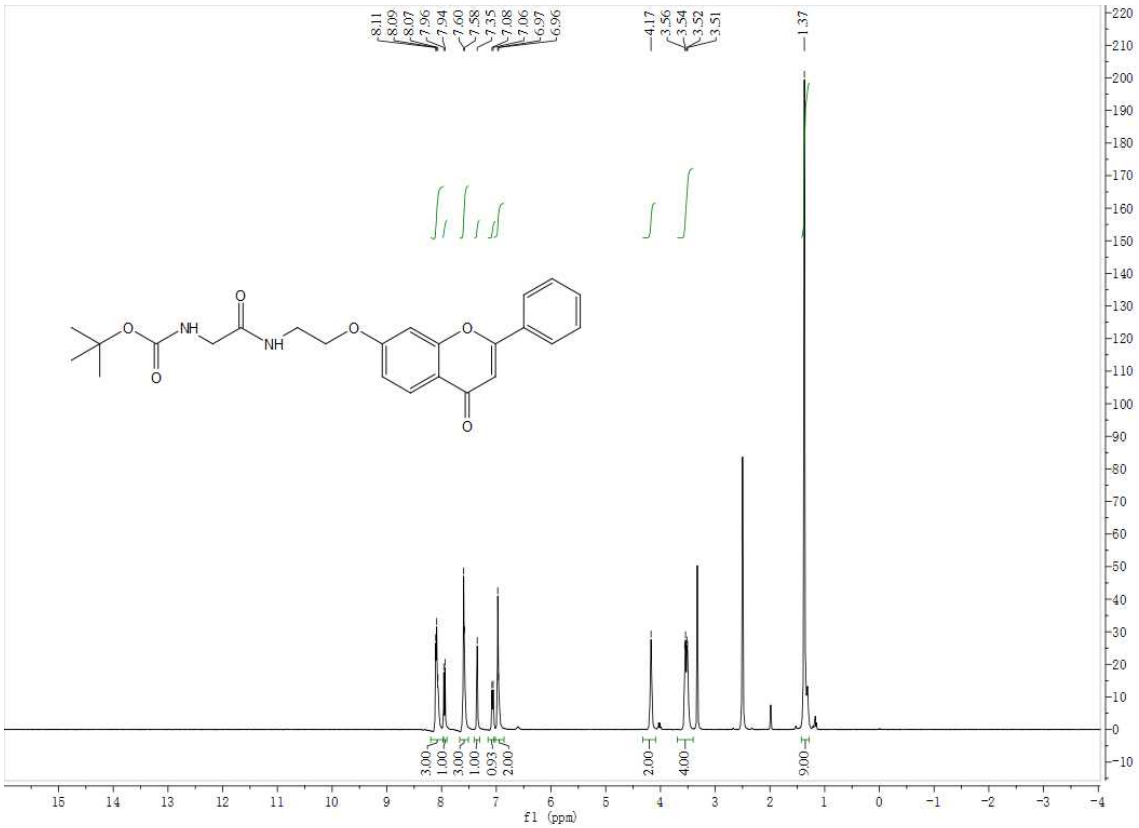

Figure S19. ^{1}H NMR spectrum of **4c**

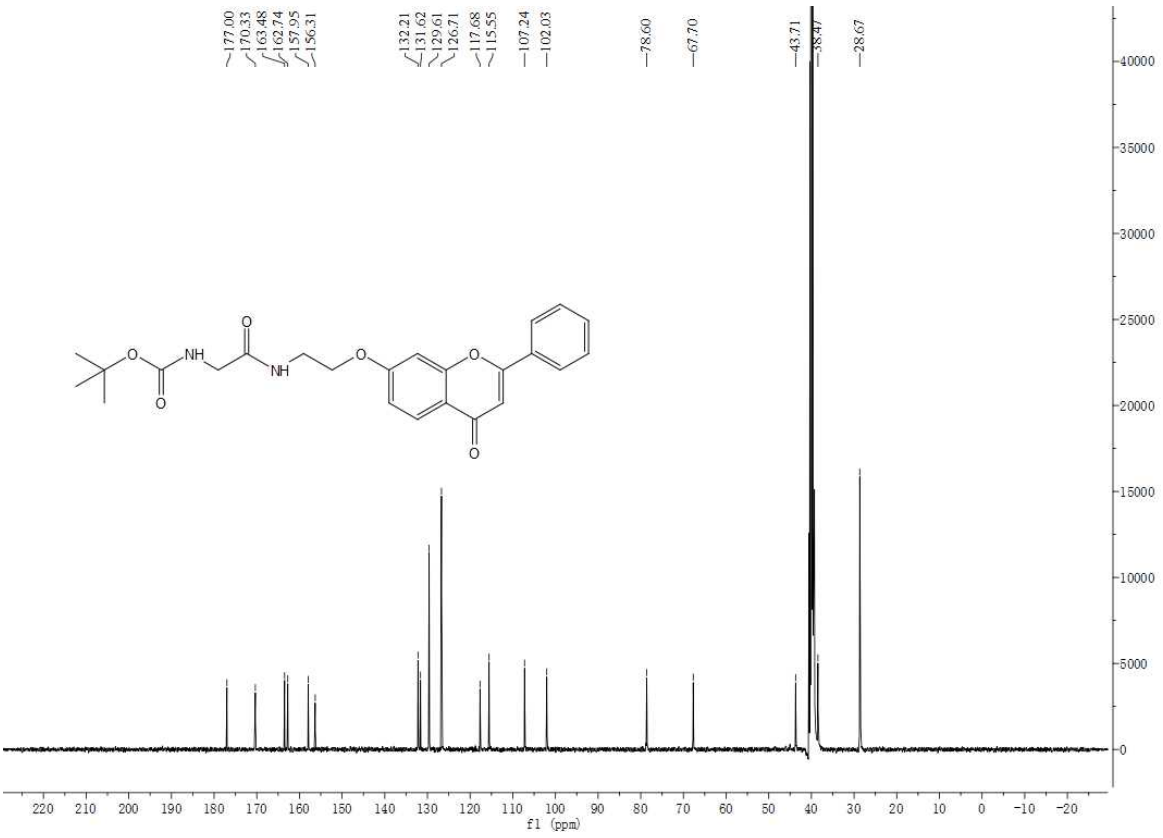

Figure S20. ^{13}C NMR spectrum of **4c**

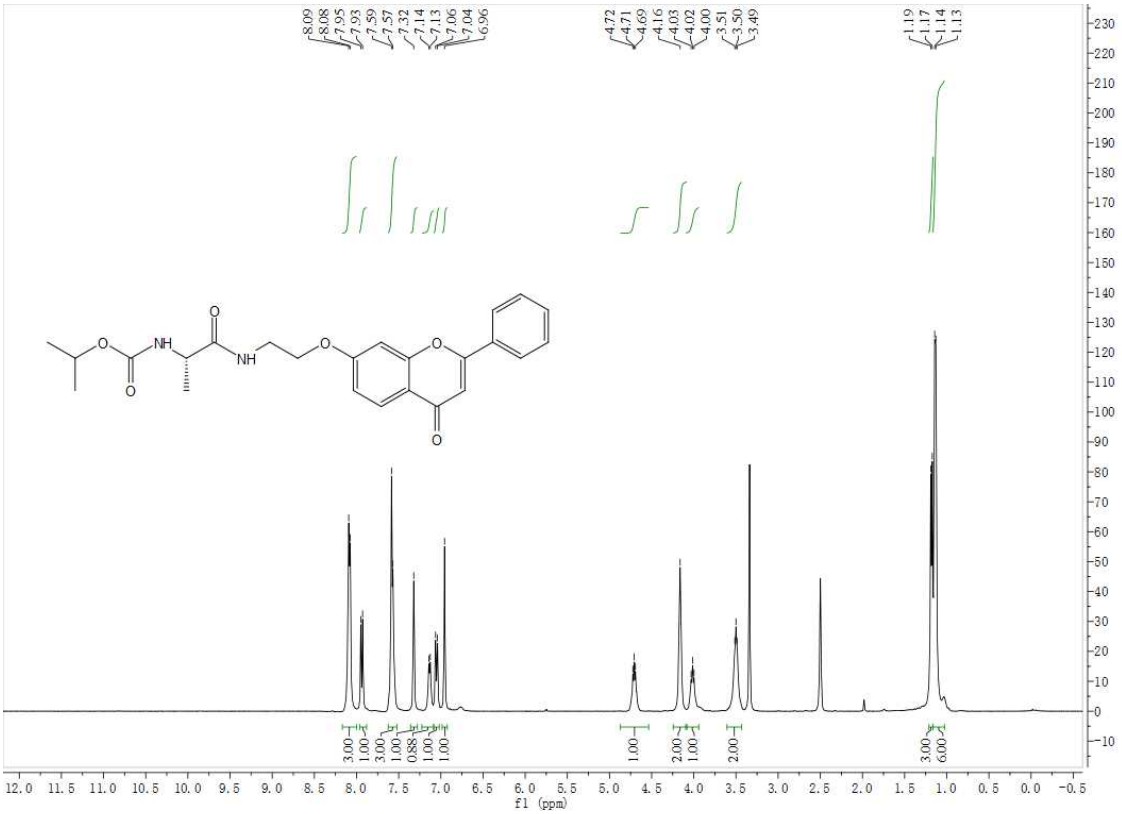

Figure S21. [1]H NMR spectrum of **4d**

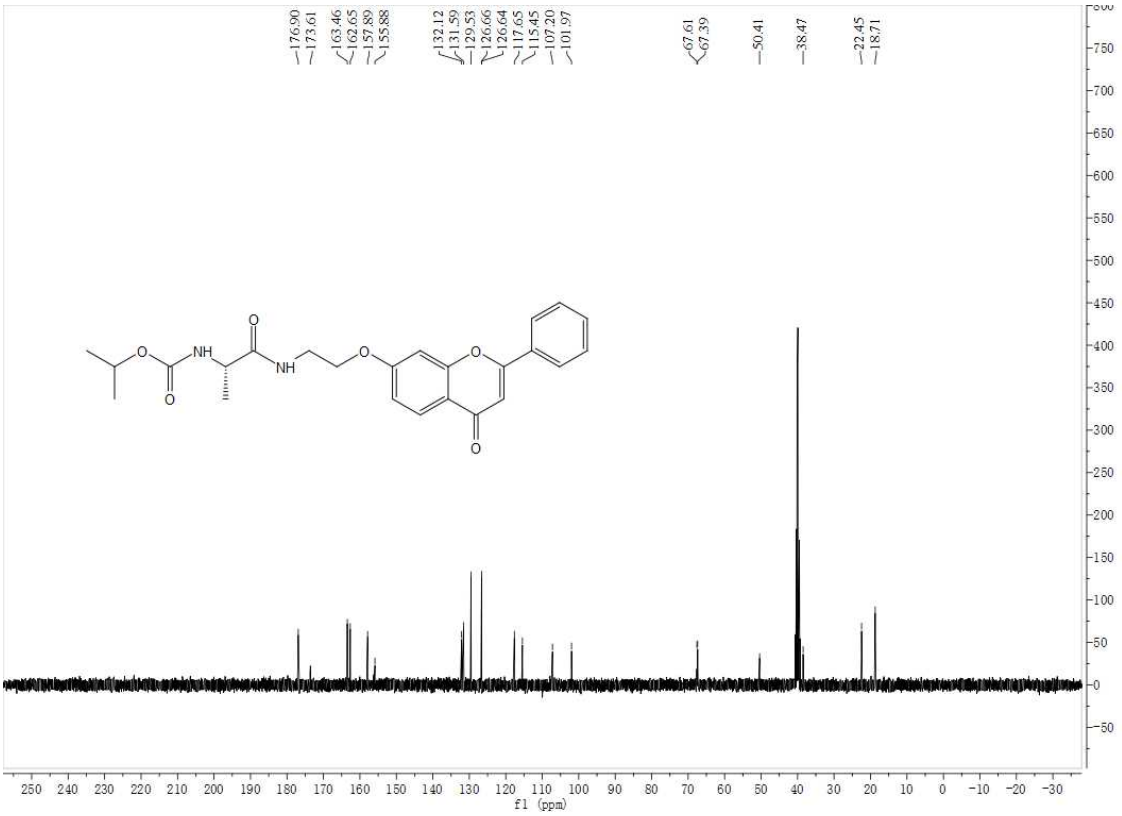

Figure S22. [13]C NMR spectrum of **4d**

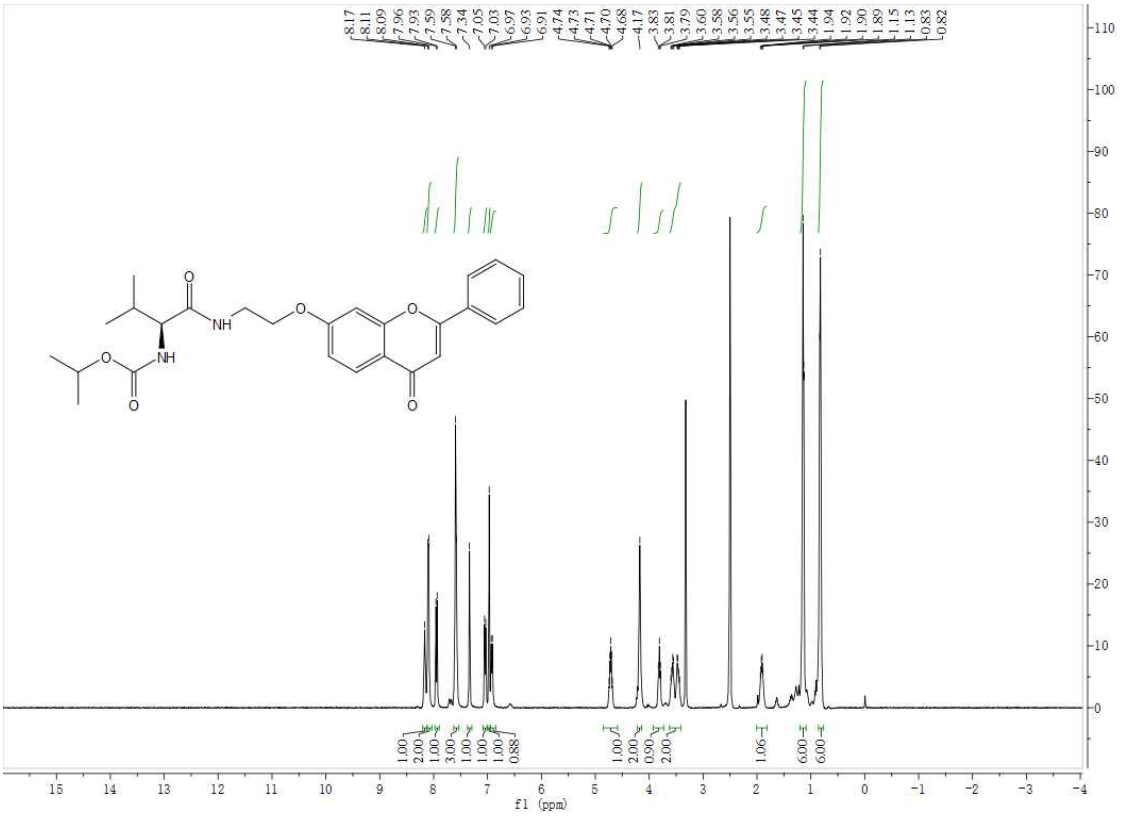

Figure S23. [1]H NMR spectrum of **4e**

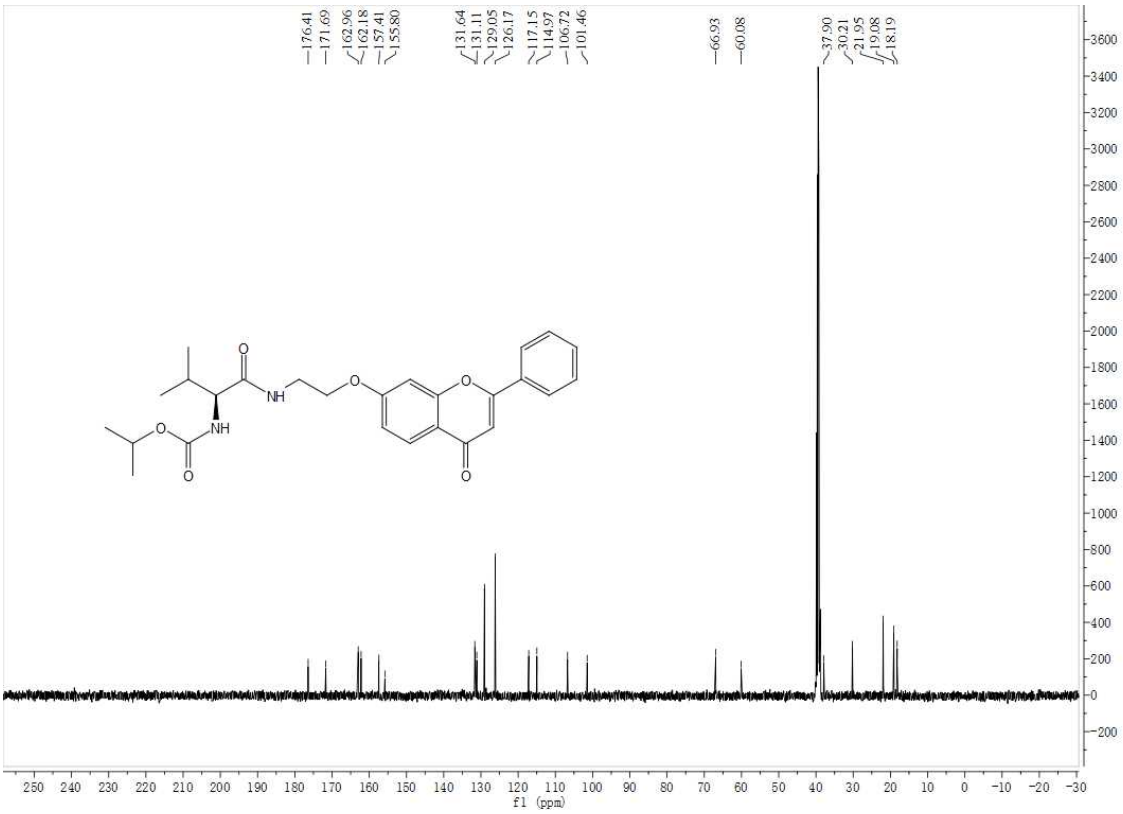

Figure S24. [13]C NMR spectrum of **4e**

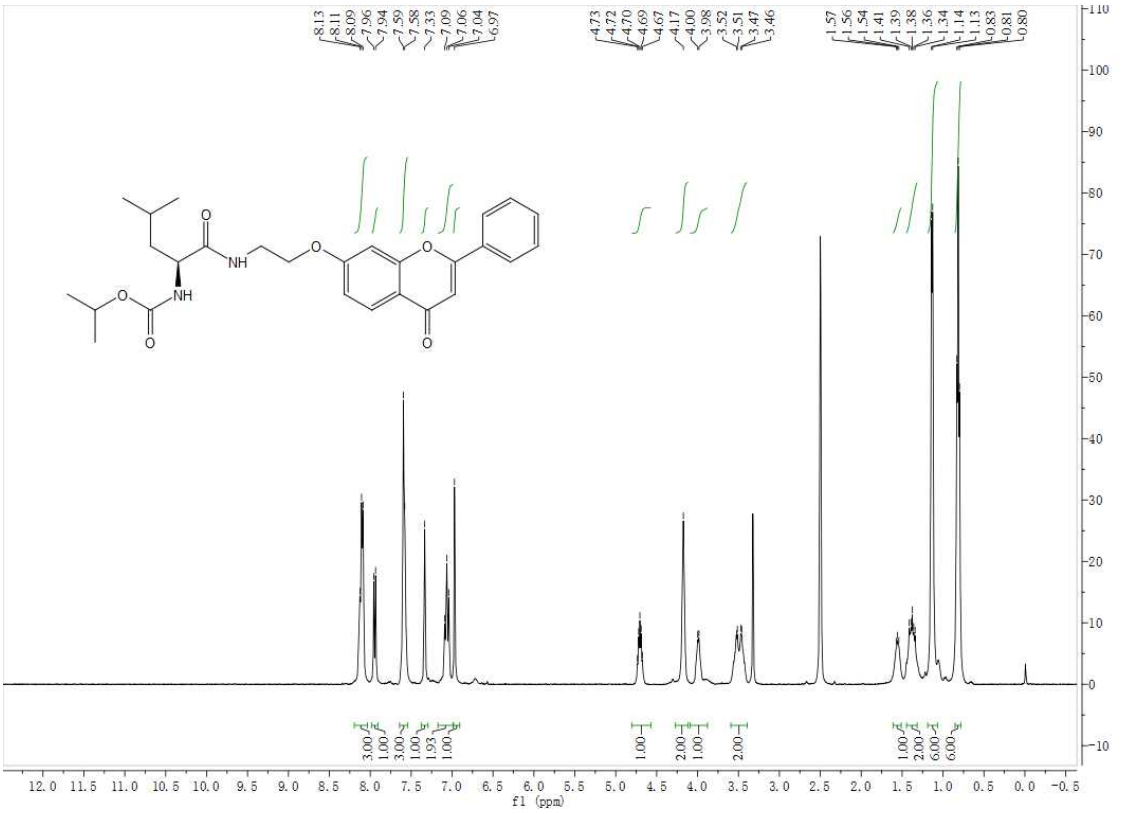

Figure S25. ^{1}H NMR spectrum of **4f**

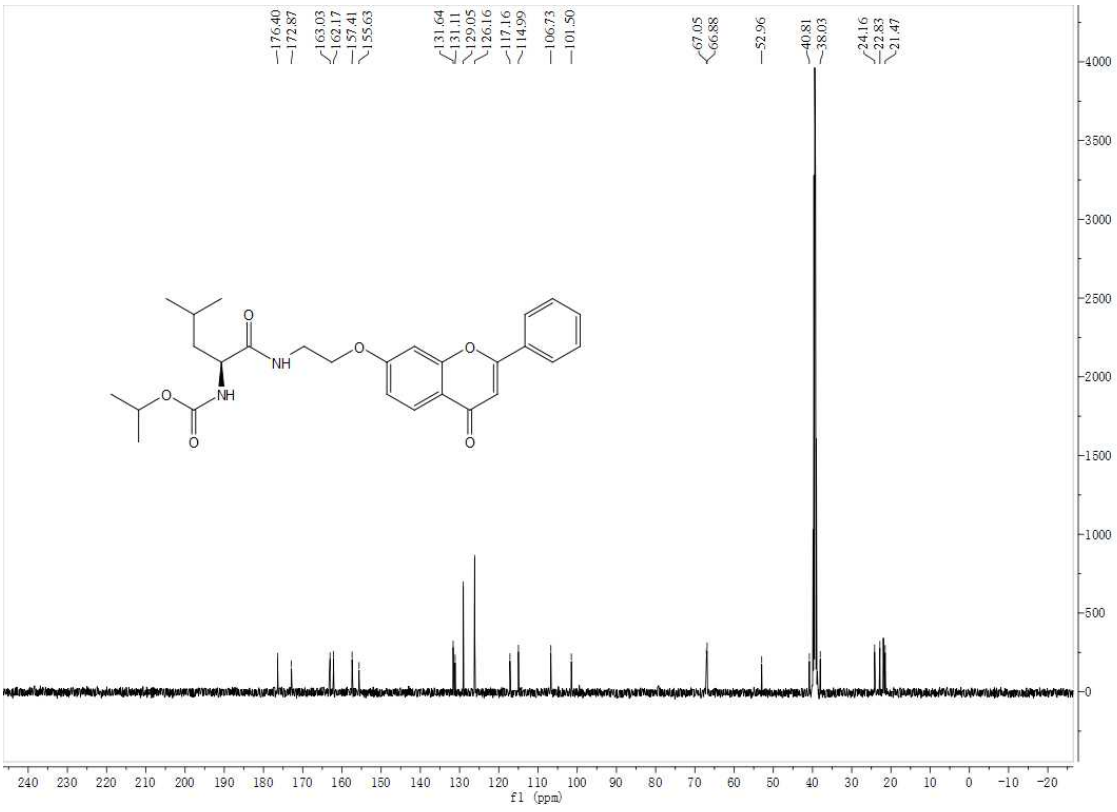

Figure S26. ^{13}C NMR spectrum of **4f**

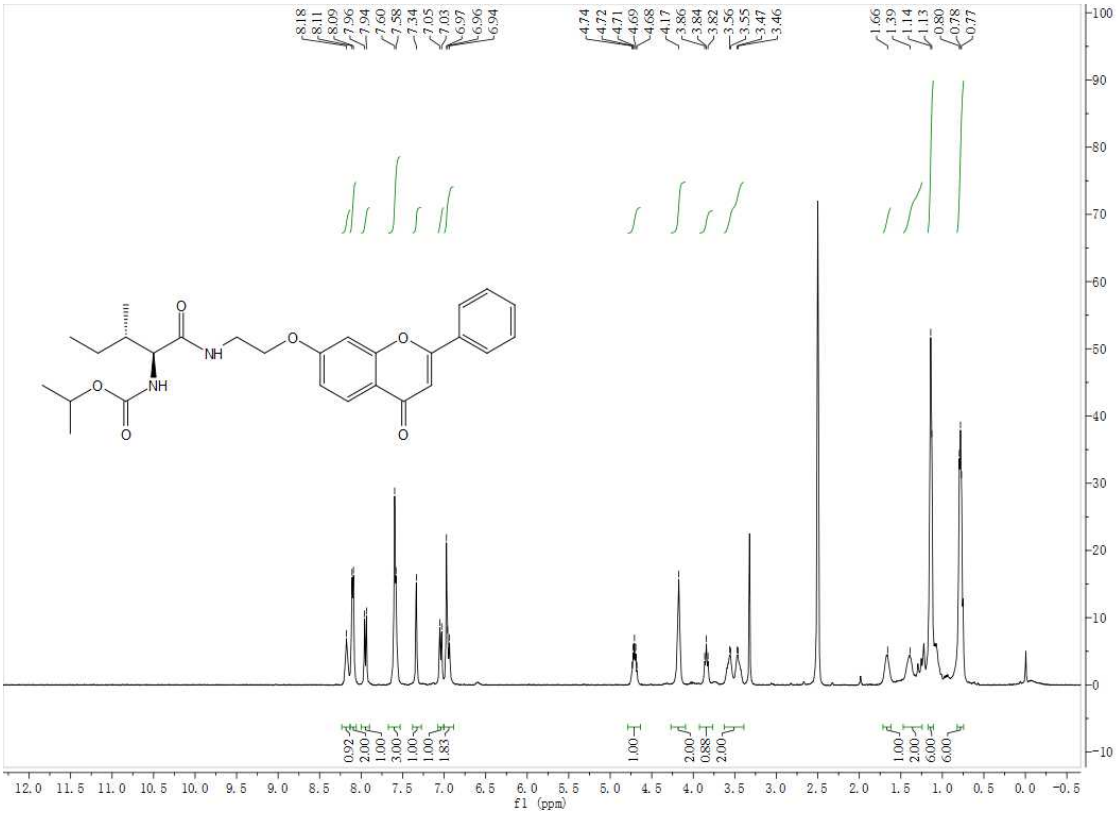

Figure S27. [1]H NMR spectrum of **4g**

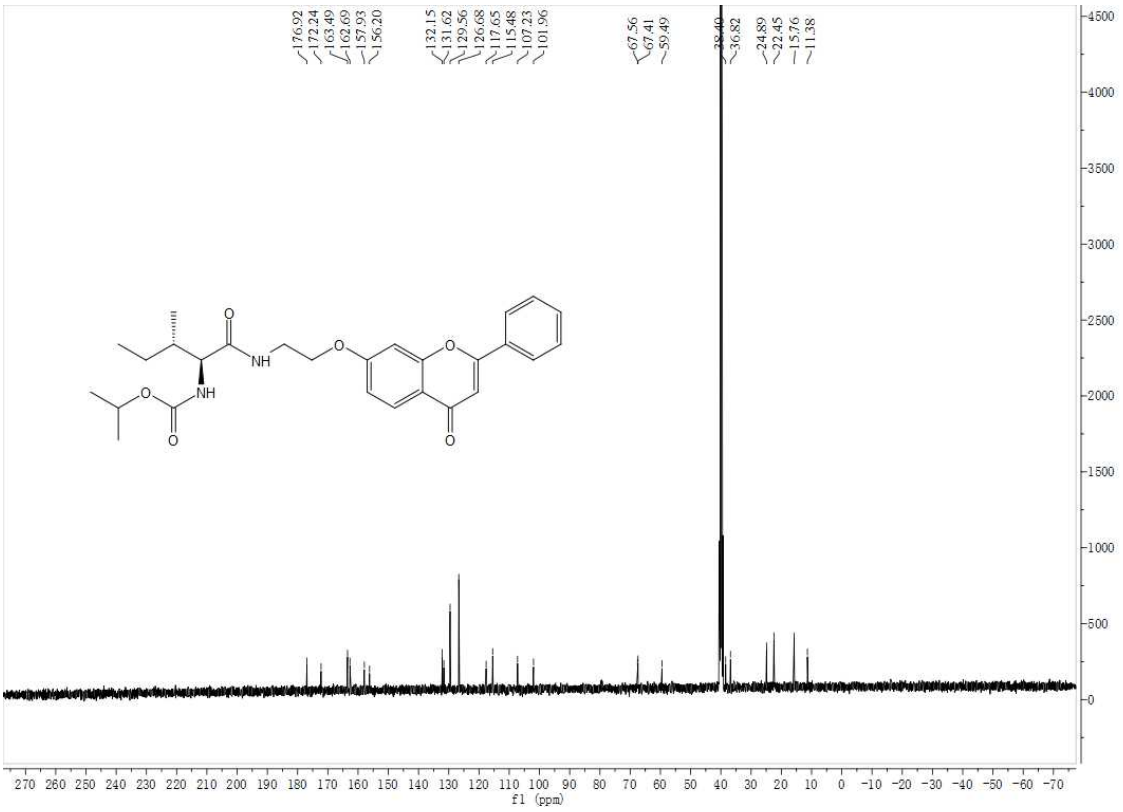

Figure S28. [13]C NMR spectrum of **4g**

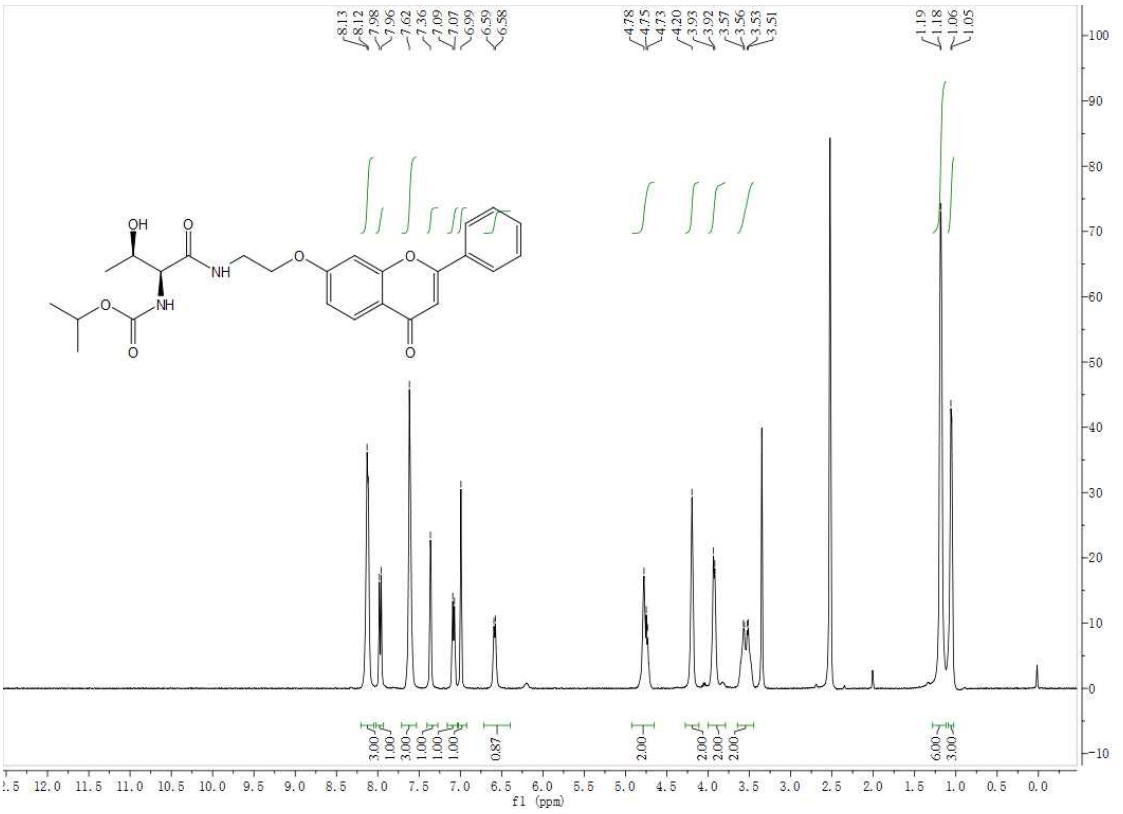

Figure S29. [1]H NMR spectrum of **4h**

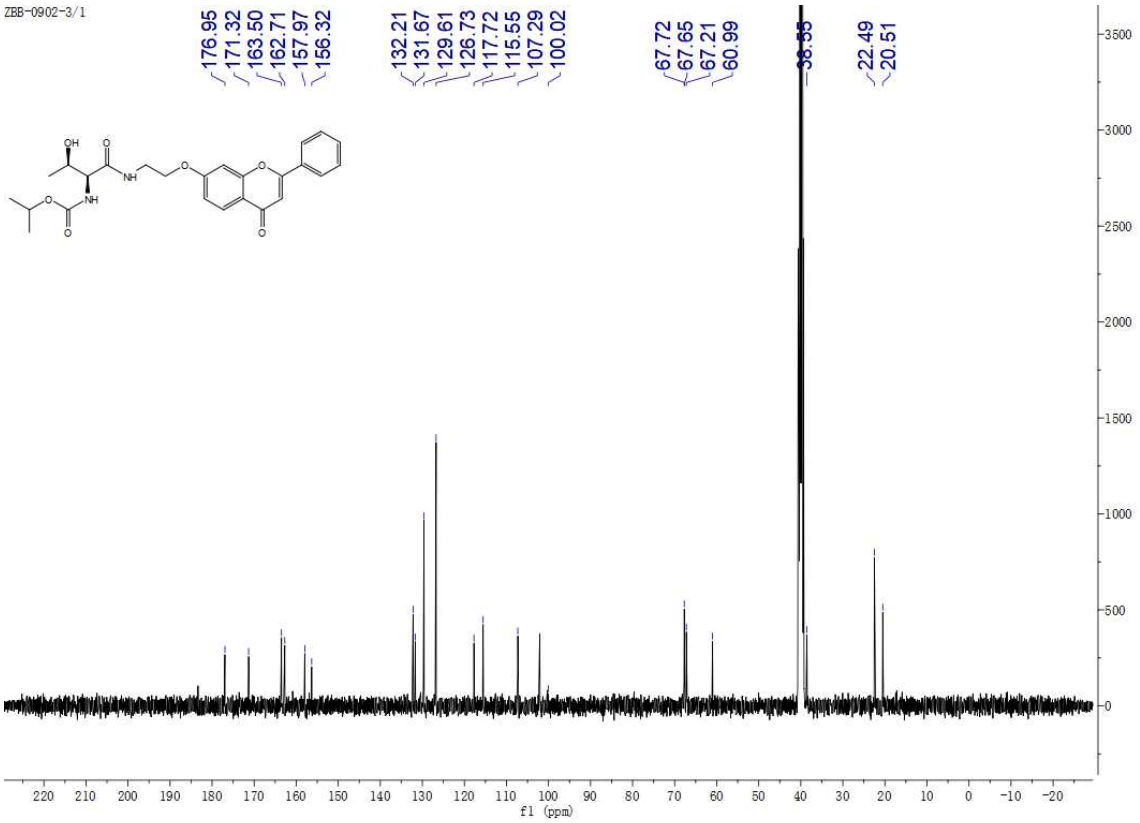

Figure S30. [13]C NMR spectrum of **4h**

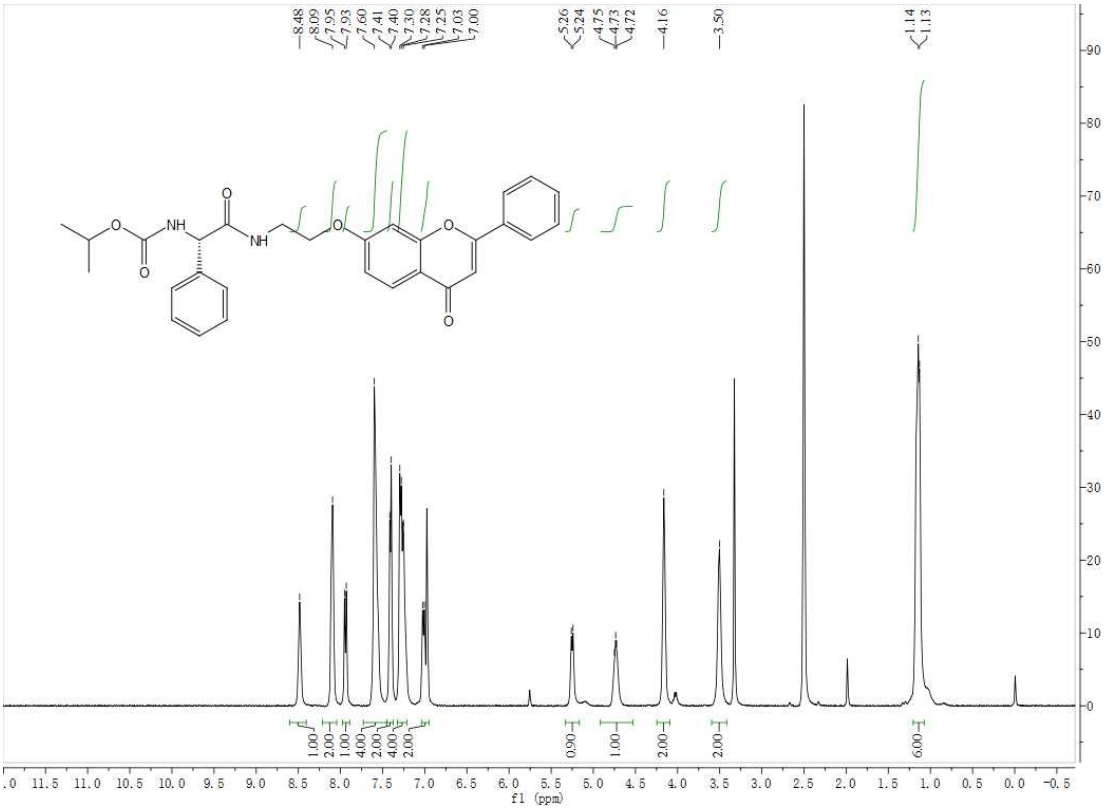

Figure S31. [1]H NMR spectrum of **4i**

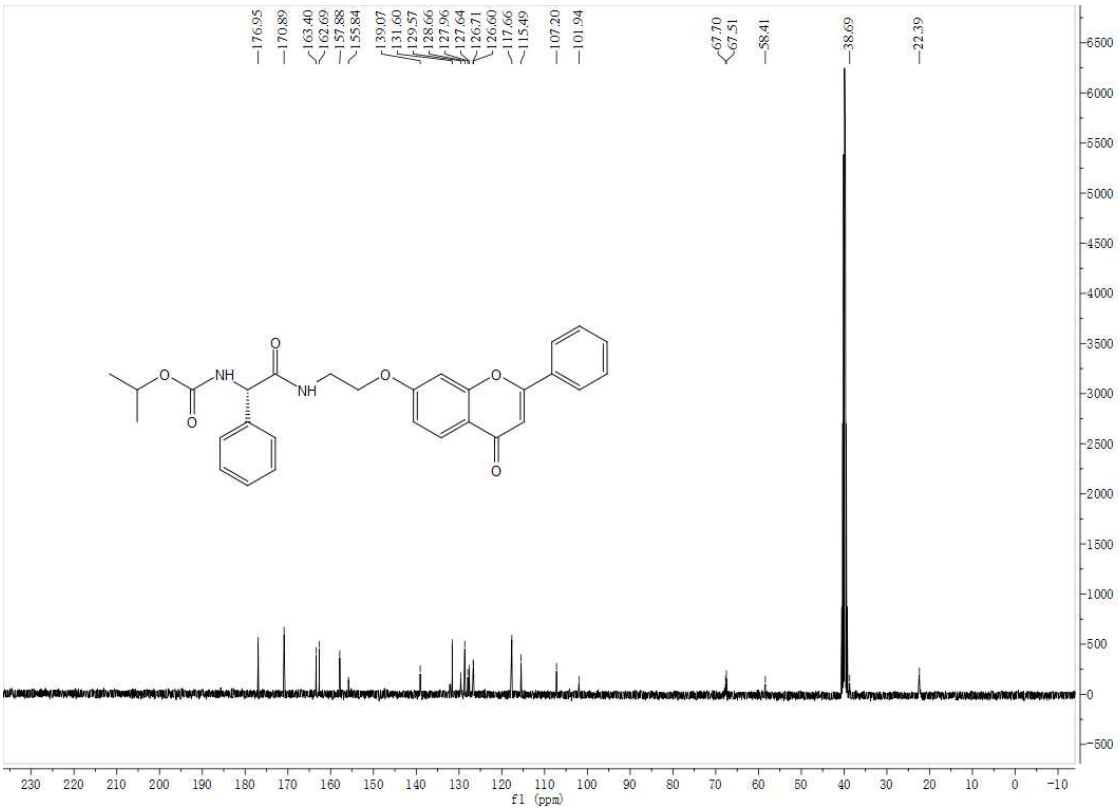

Figure S32. [13]C NMR spectrum of **4i**

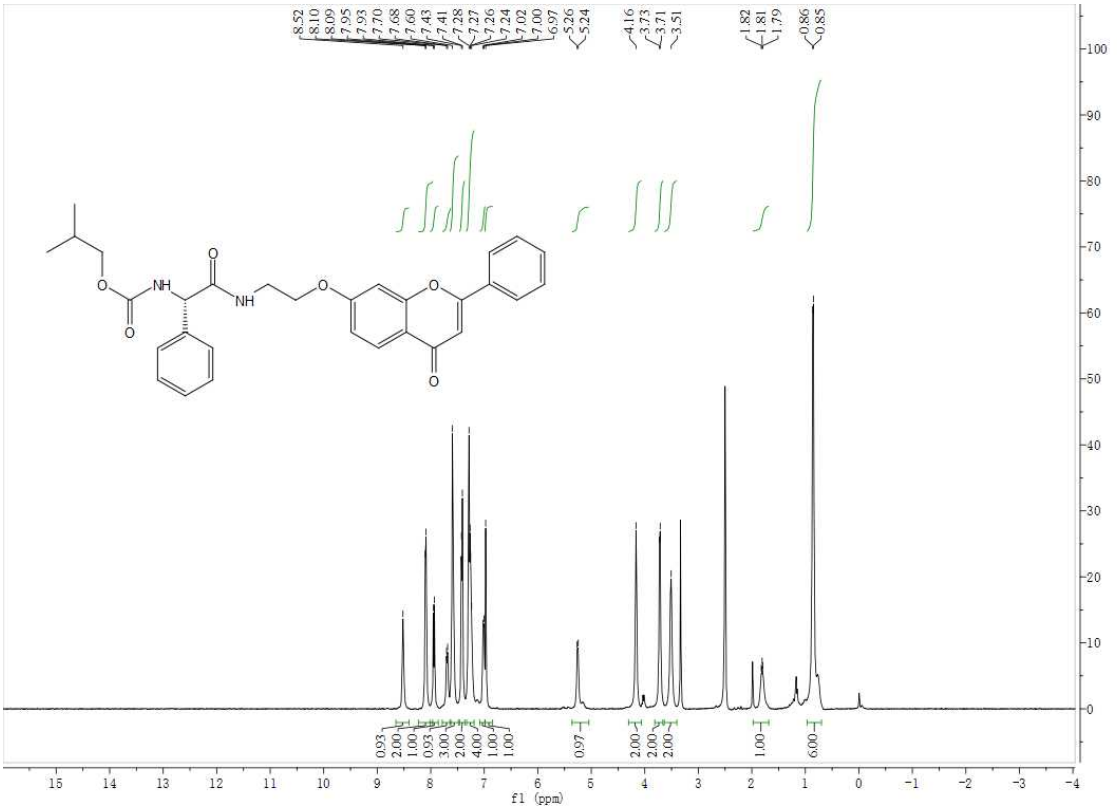

Figure S33. [1]H NMR spectrum of **4j**

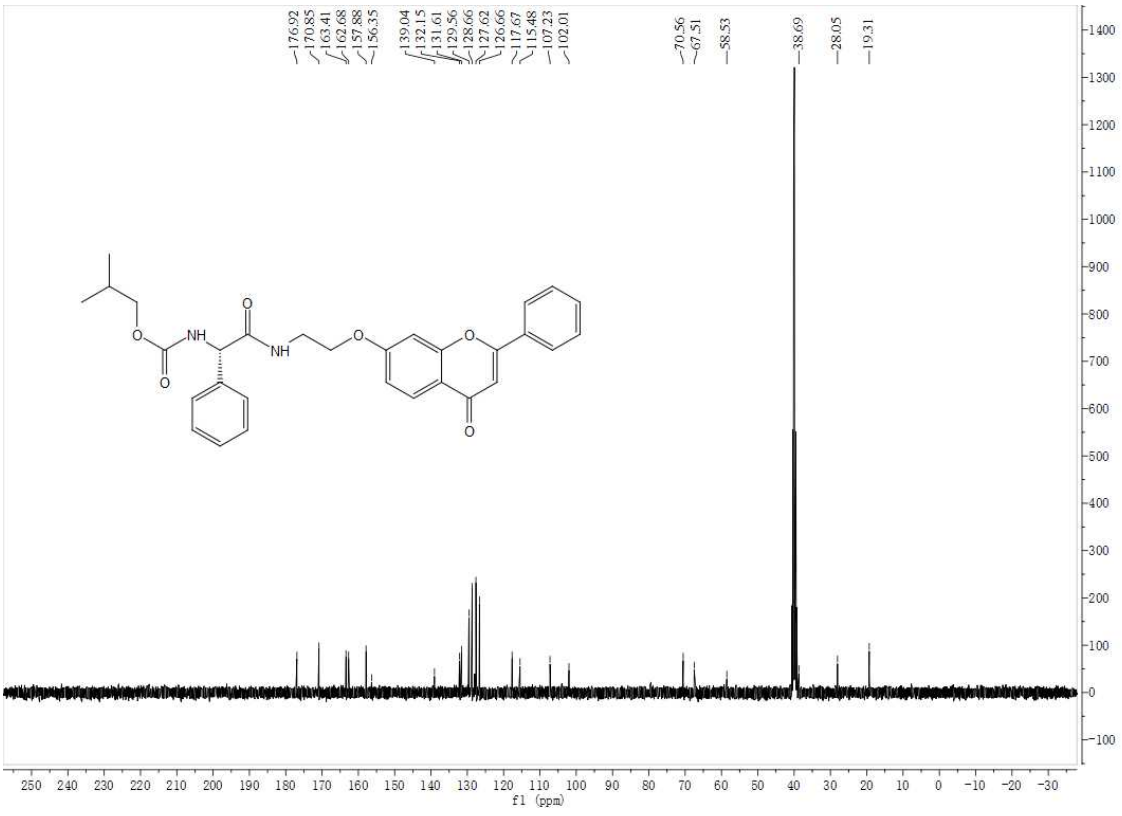

Figure S34. [13]C NMR spectrum of **4j**

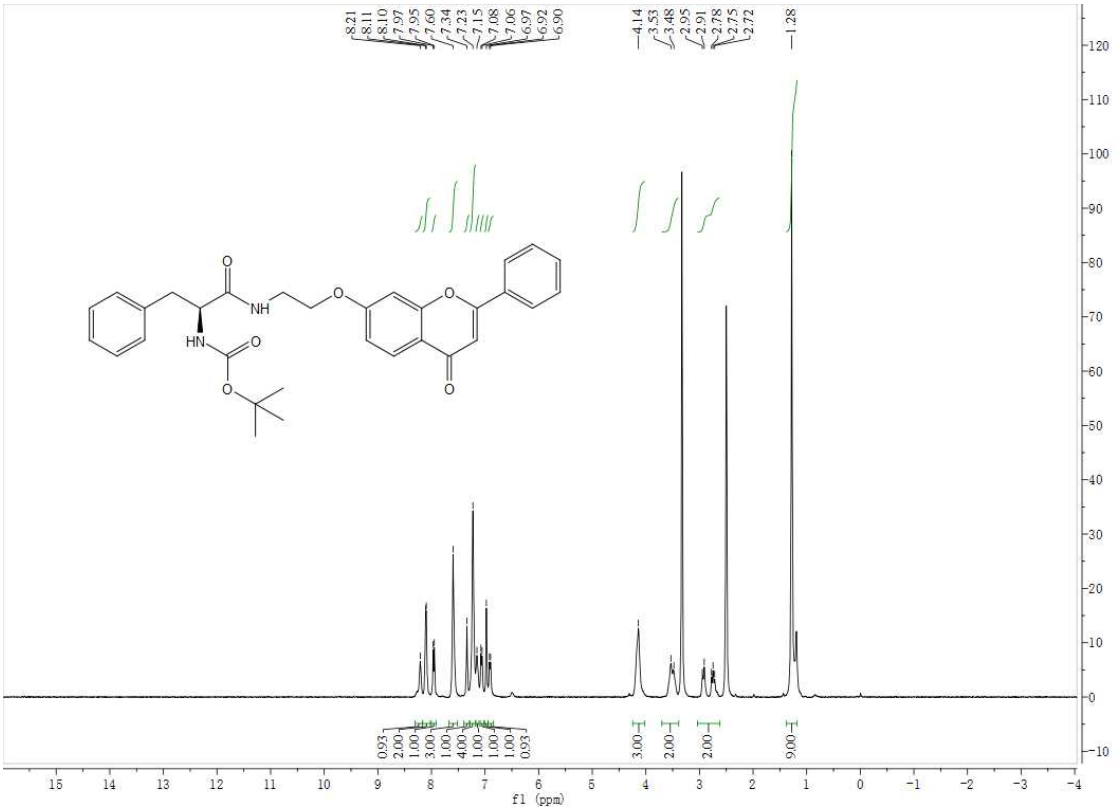

Figure S35. ^{1}H NMR spectrum of **4k**

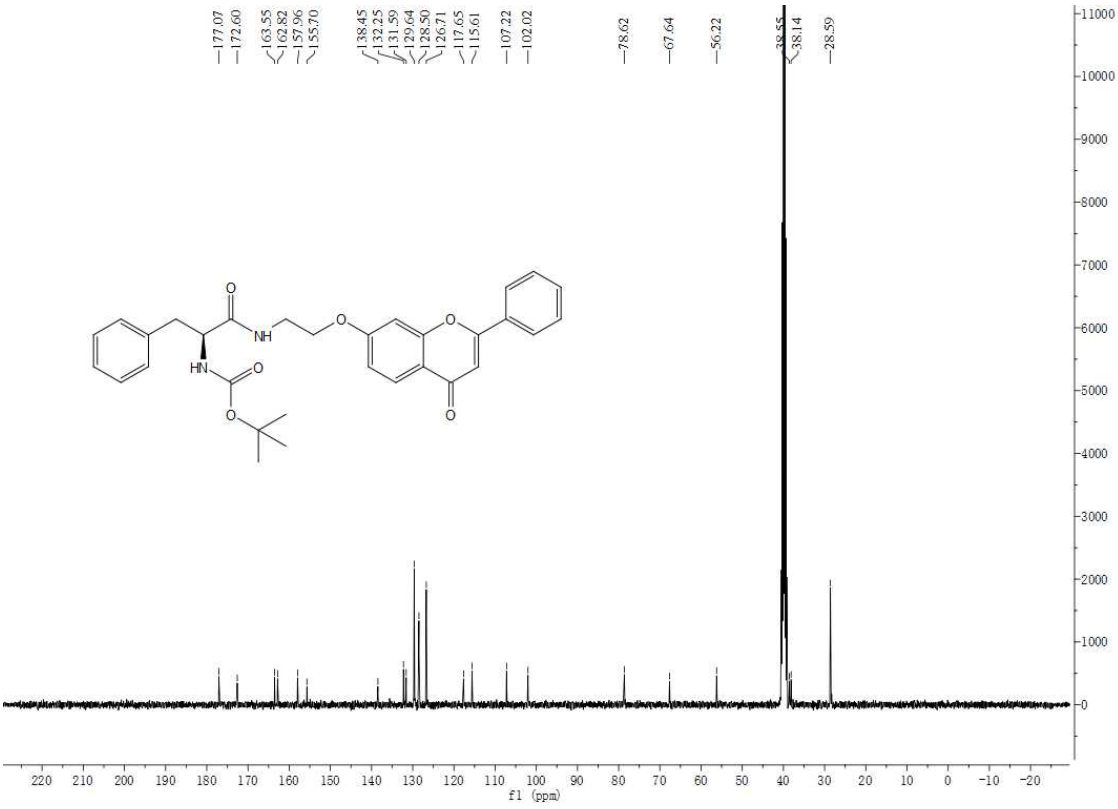

Figure S36. ^{13}C NMR spectrum of **4k**

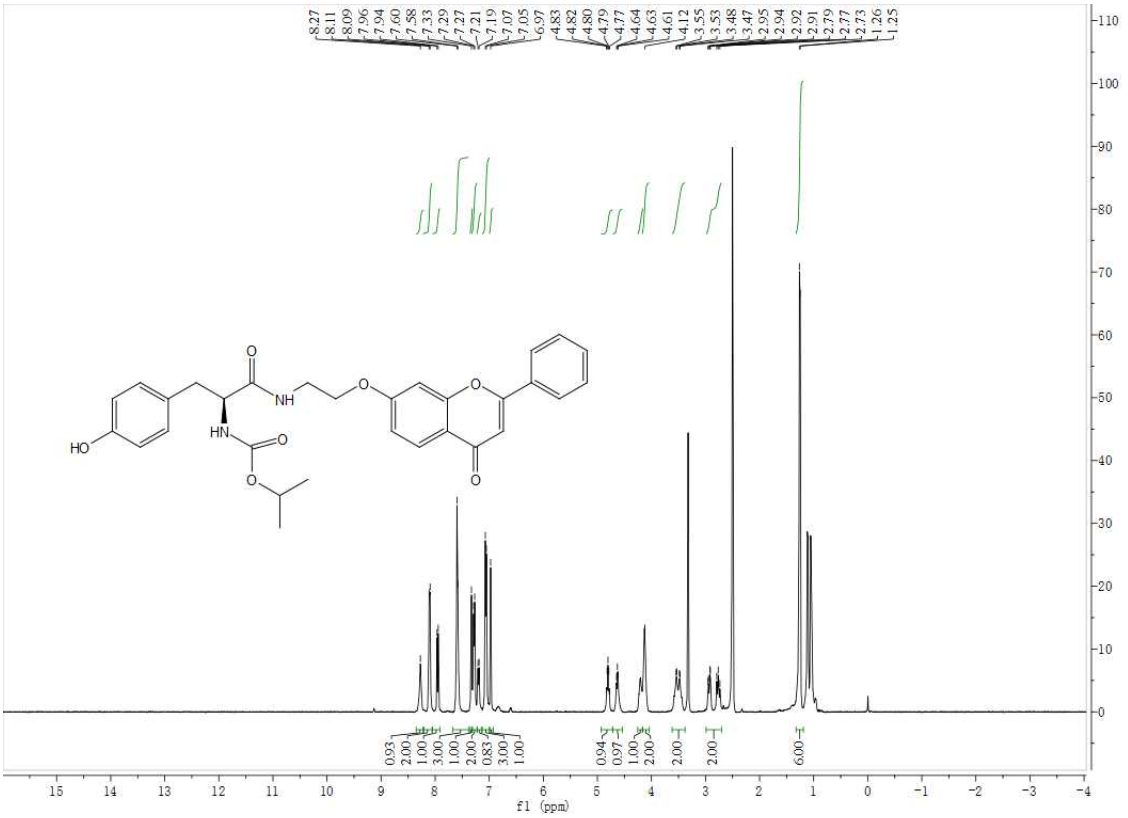

Figure S37. [1]H NMR spectrum of **4l**

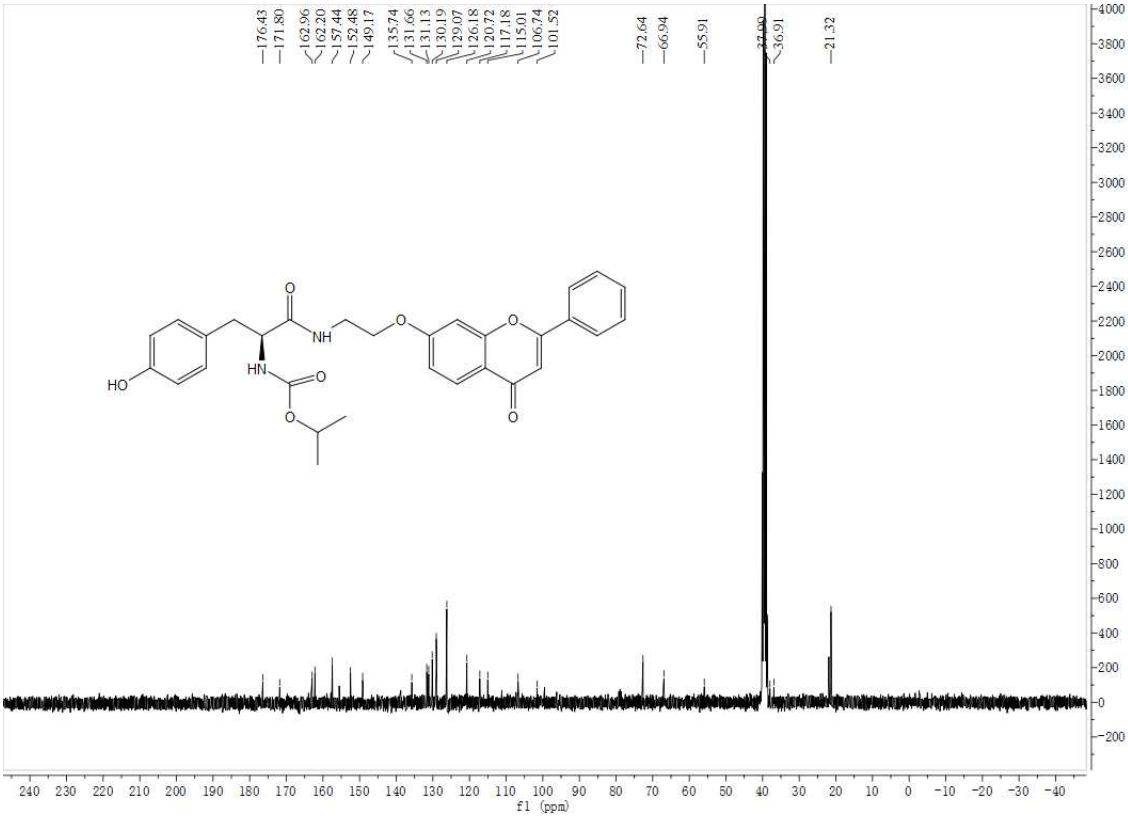

Figure S38. [13]C NMR spectrum of **4l**

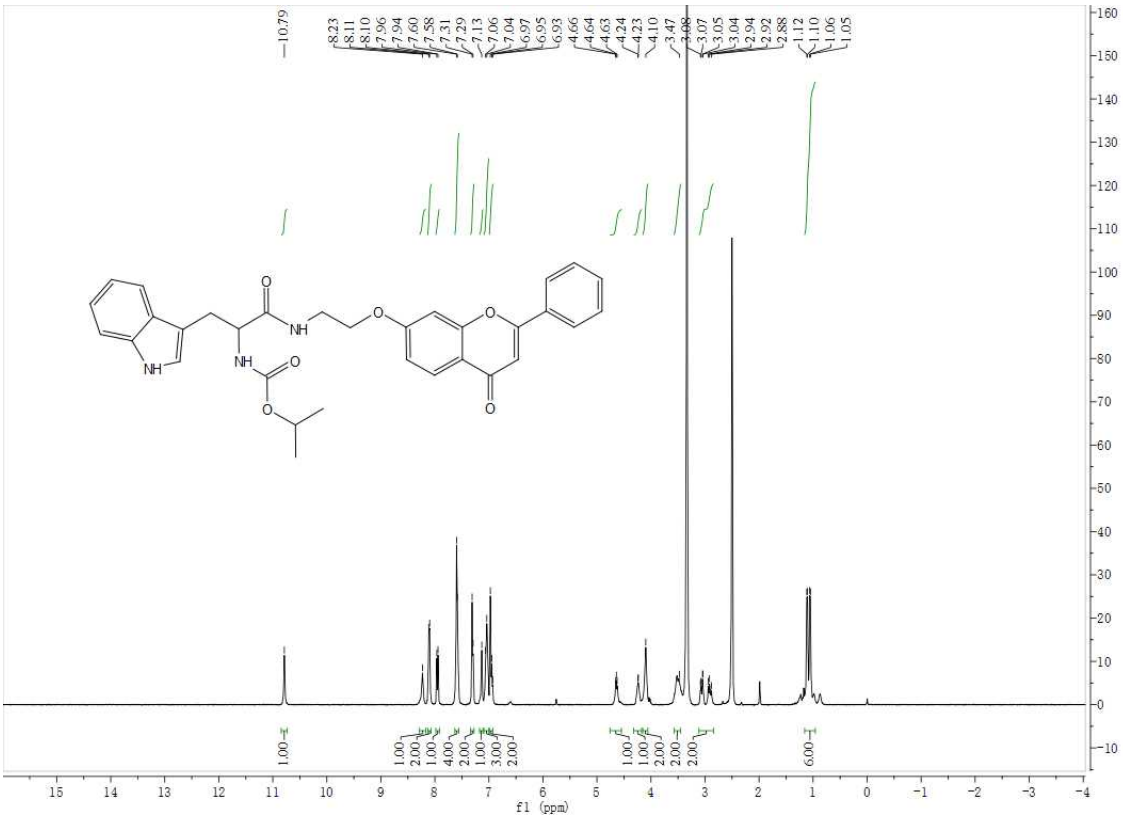

Figure S39. [1]H NMR spectrum of **4m**

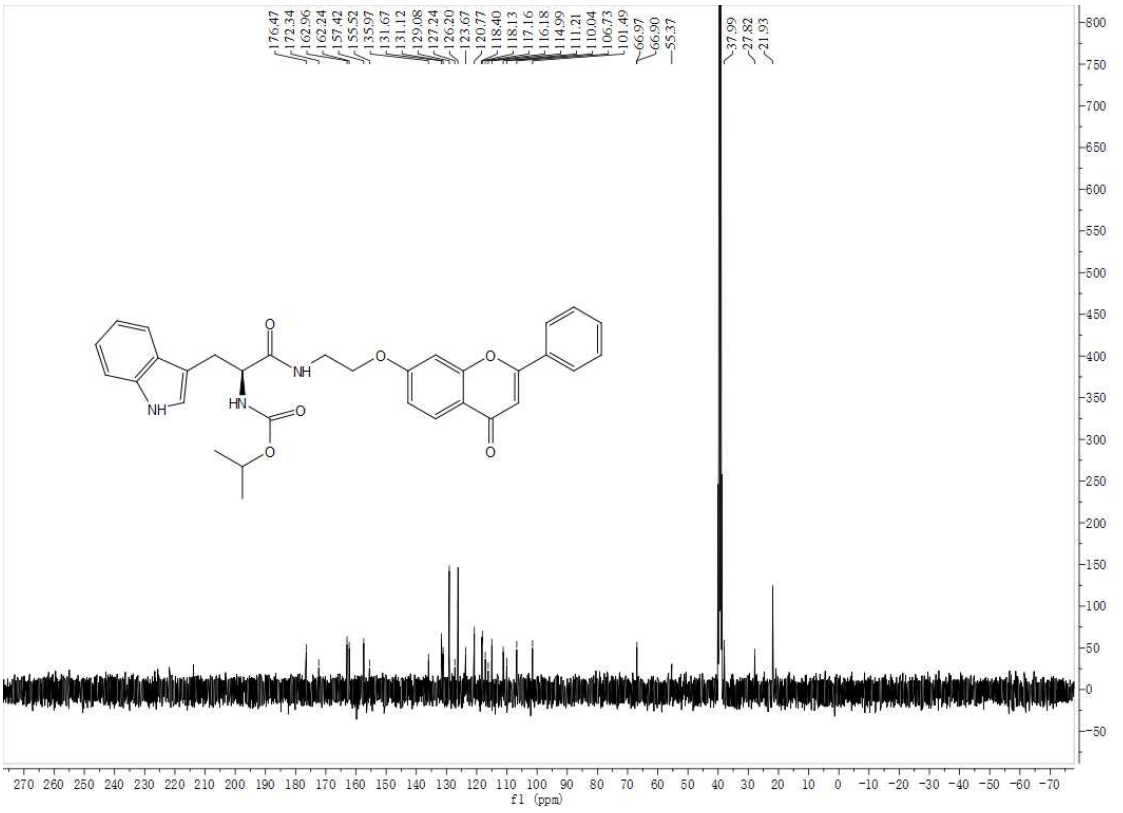

Figure S40. [13]C NMR spectrum of **4m**

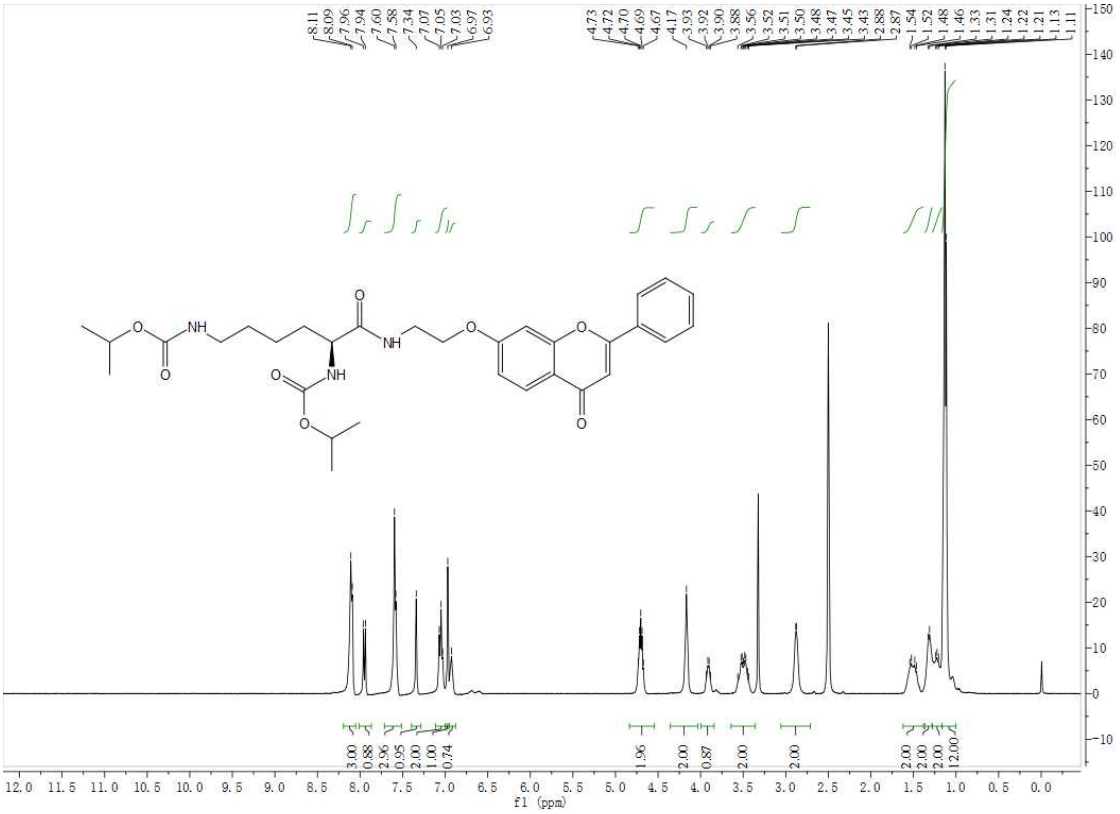

Figure S41. [1]H NMR spectrum of **4n**

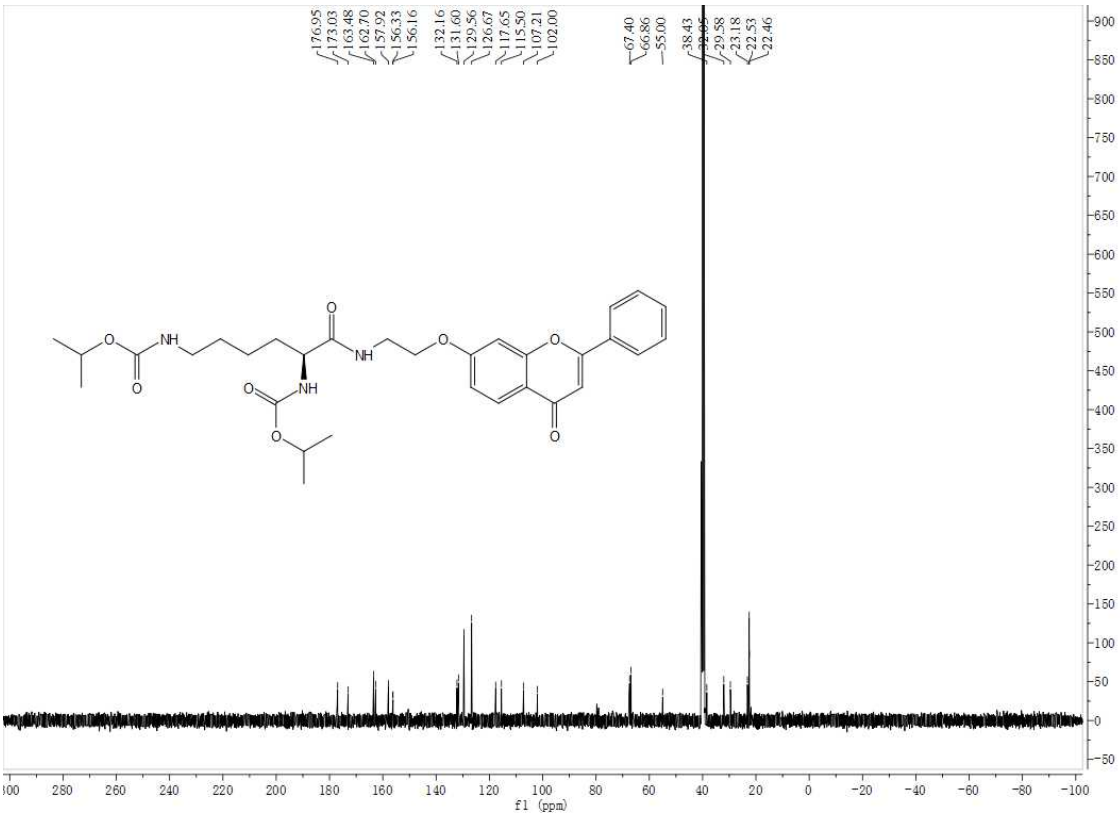

Figure S42. [13]C NMR spectrum of **4n**

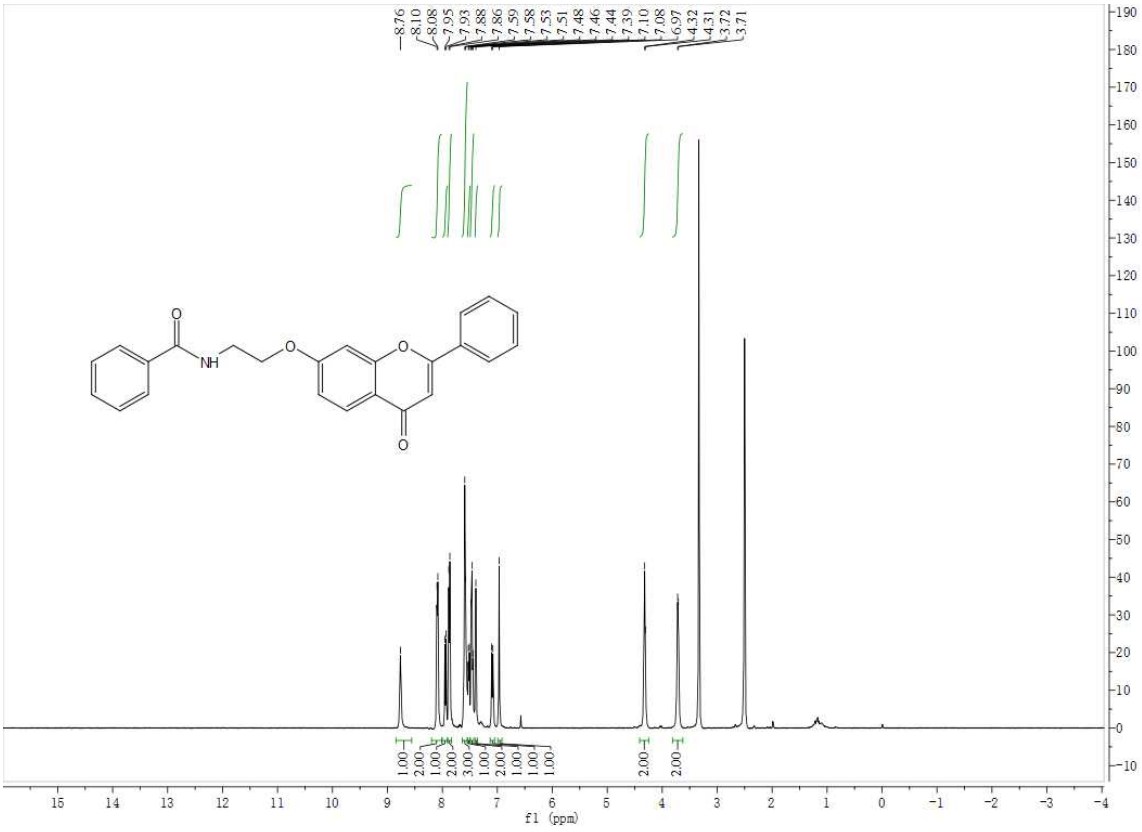

Figure S43. [1]H NMR spectrum of **5a**

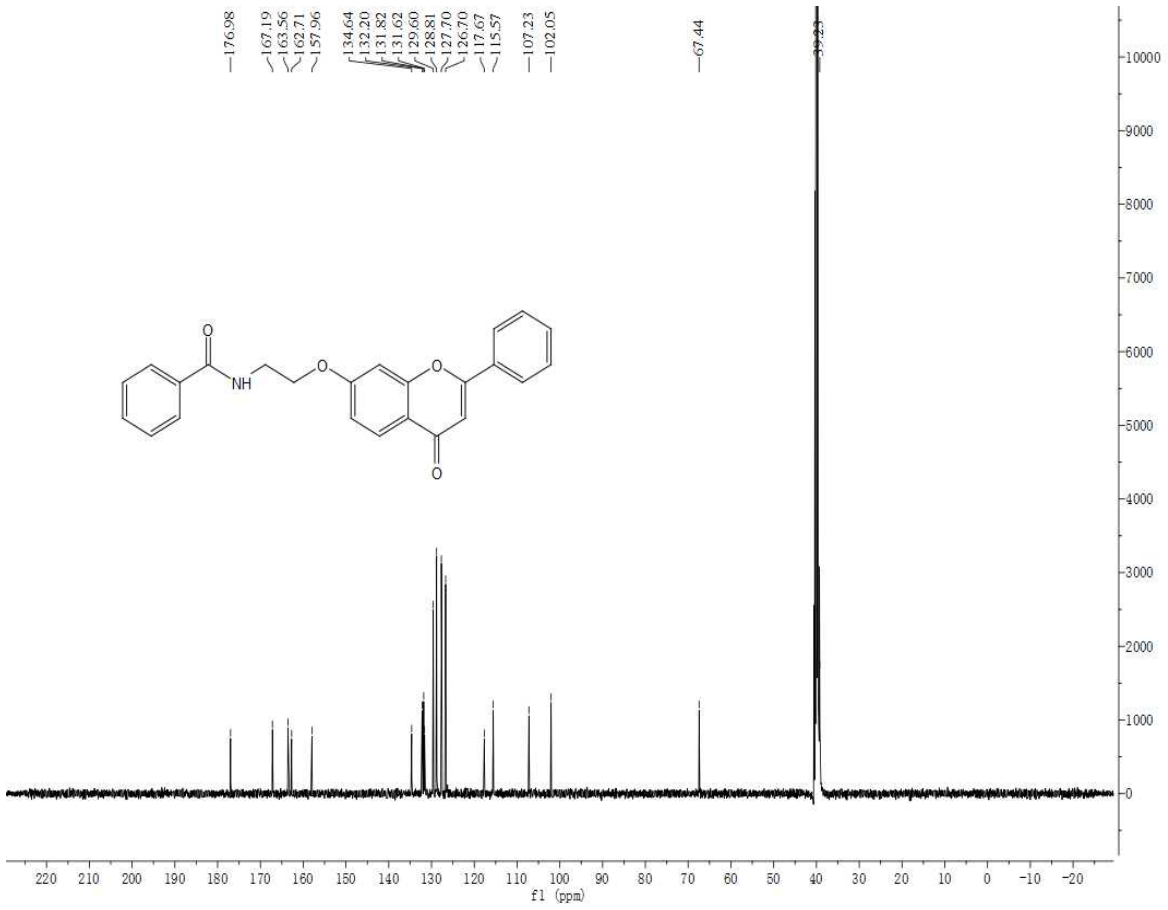

Figure S44. ^{13}C NMR spectrum of **5a**

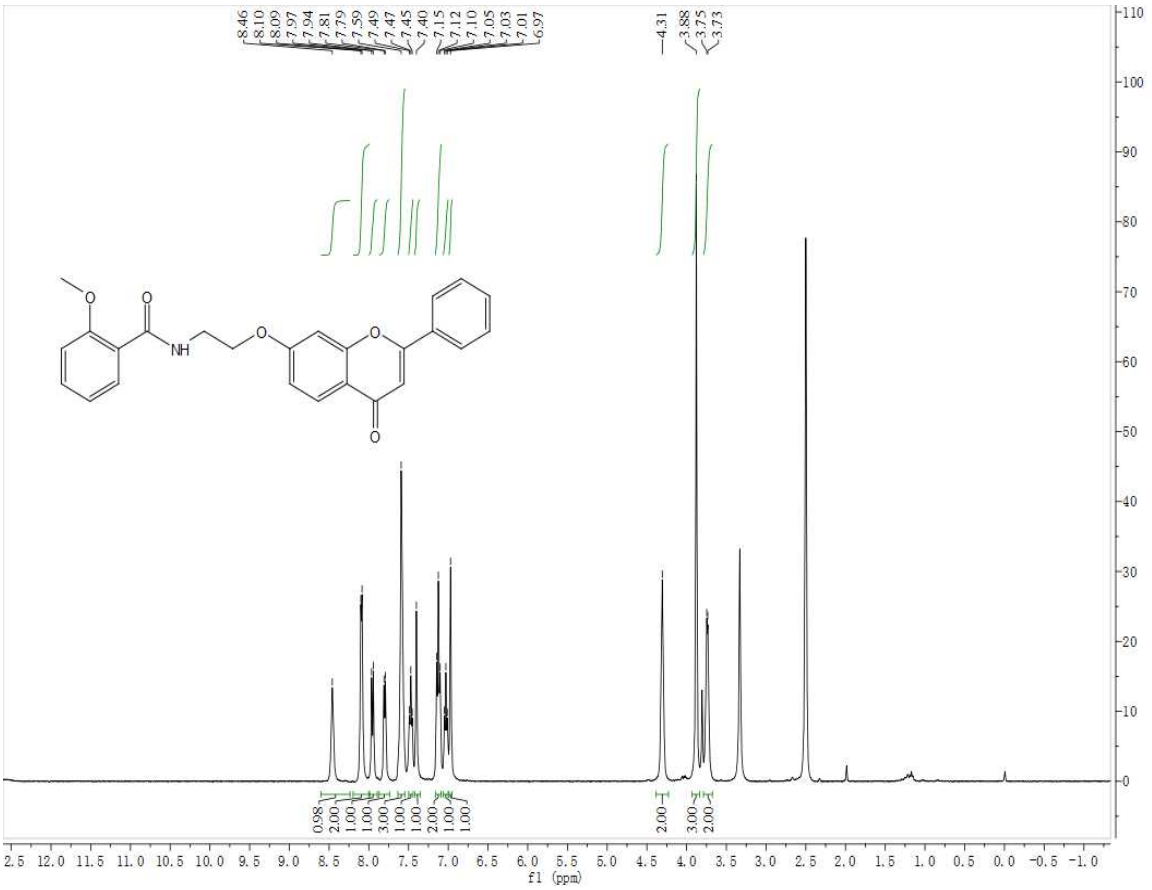

Figure S45. ^{1}H NMR spectrum of **5b**

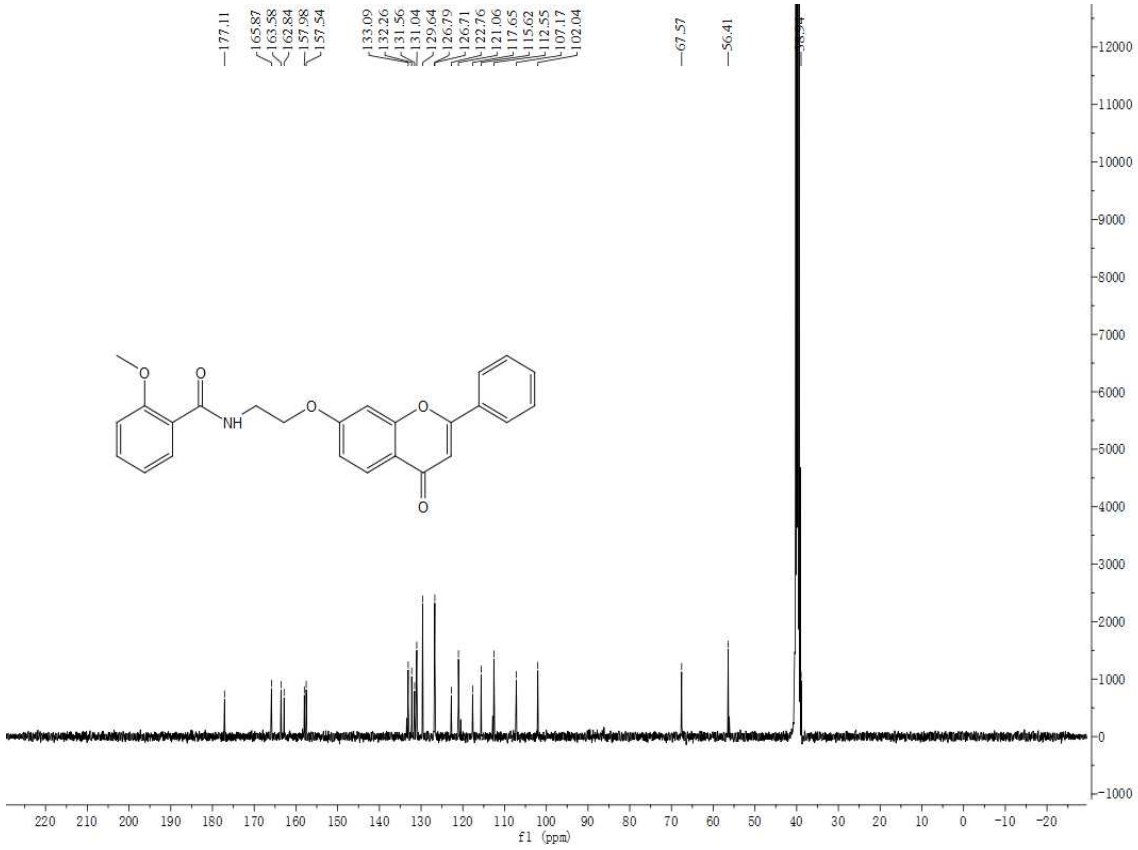

Figure S46. ^{13}C NMR spectrum of **5b**

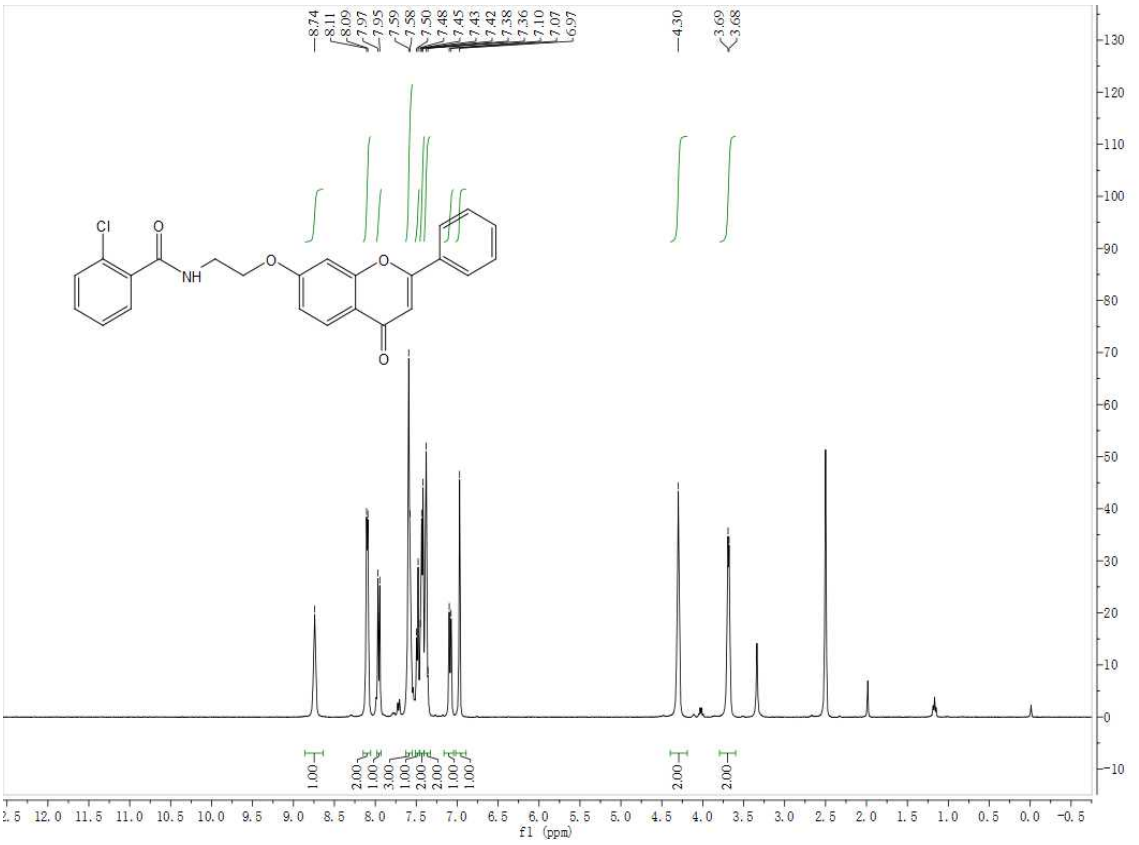

Figure S47. ^{1}H NMR spectrum of **5c**

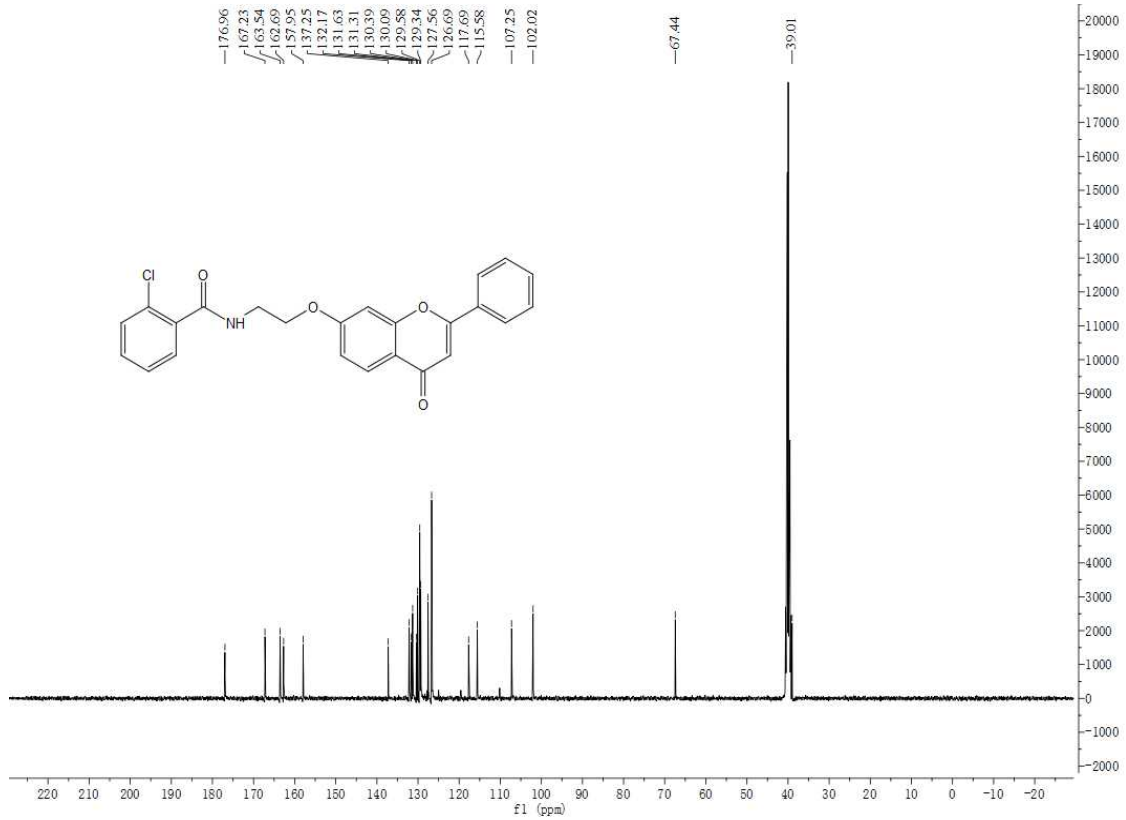

Figure S48. ^{13}C NMR spectrum of **5c**

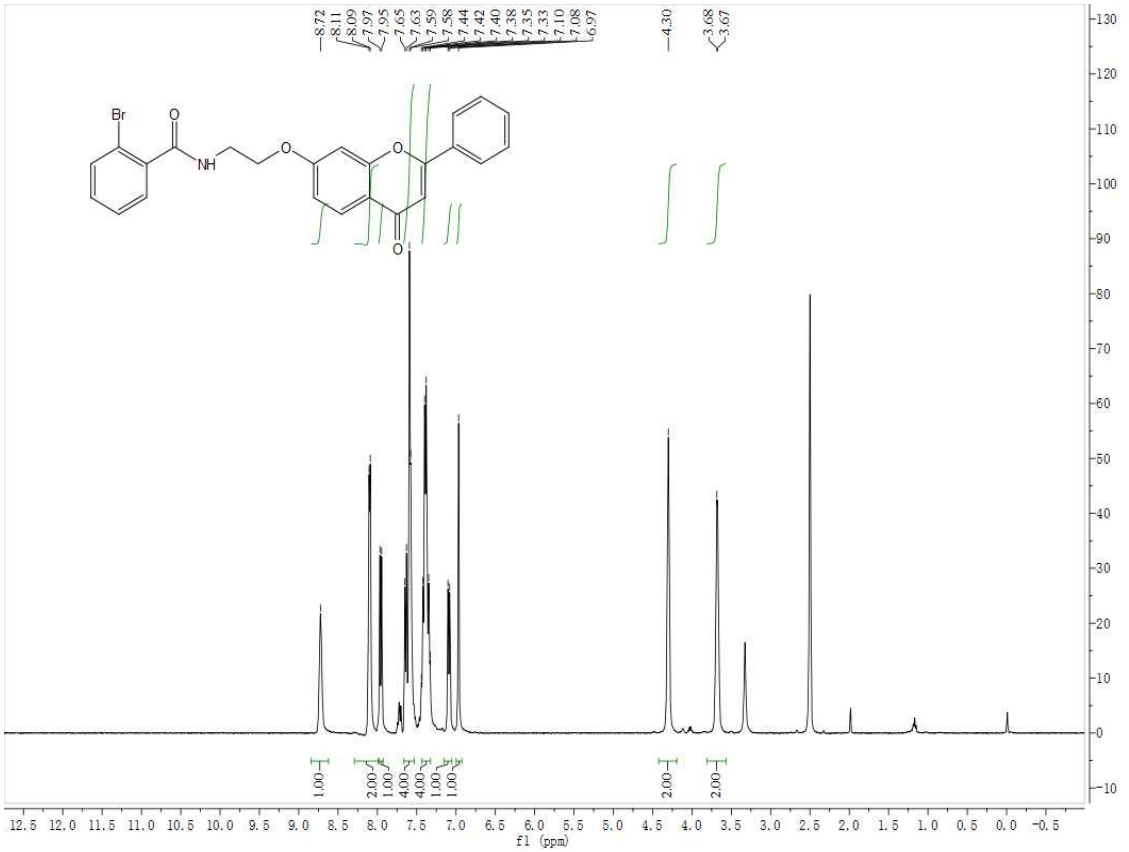

Figure S49. ^{1}H NMR spectrum of **5d**

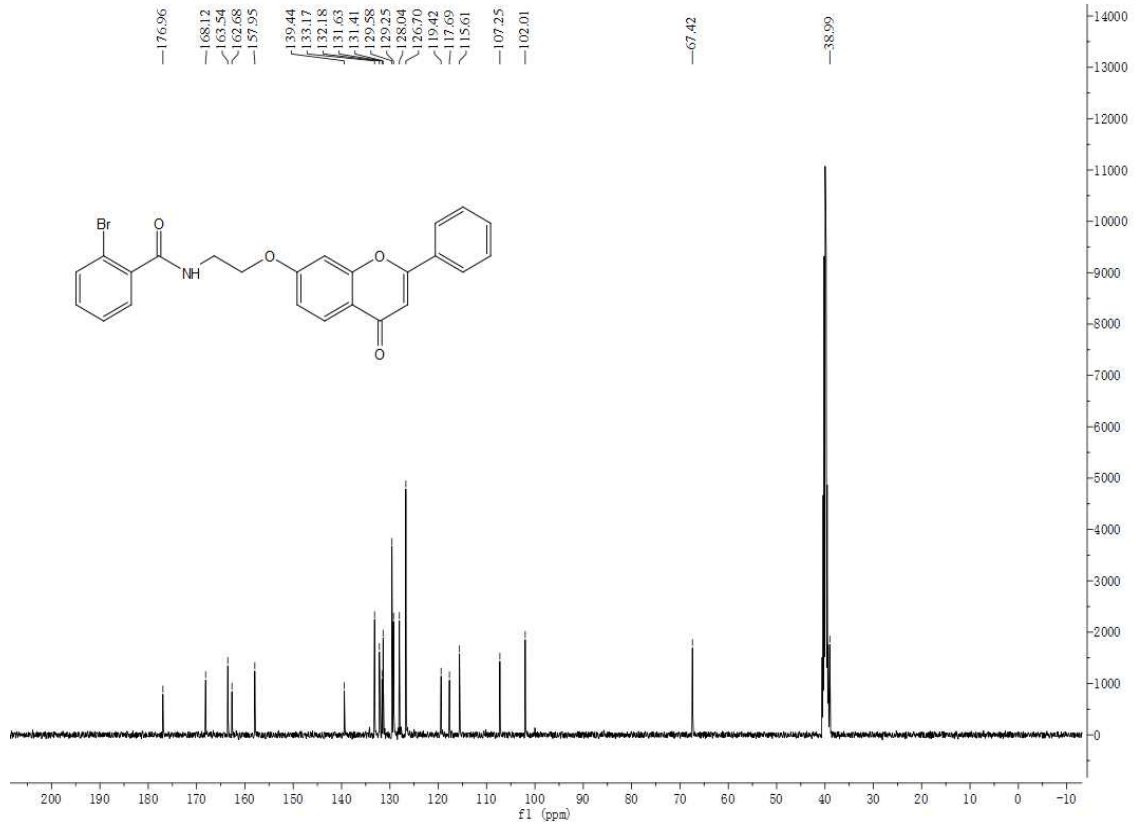

Figure S50. ^{13}C NMR spectrum of **5d**

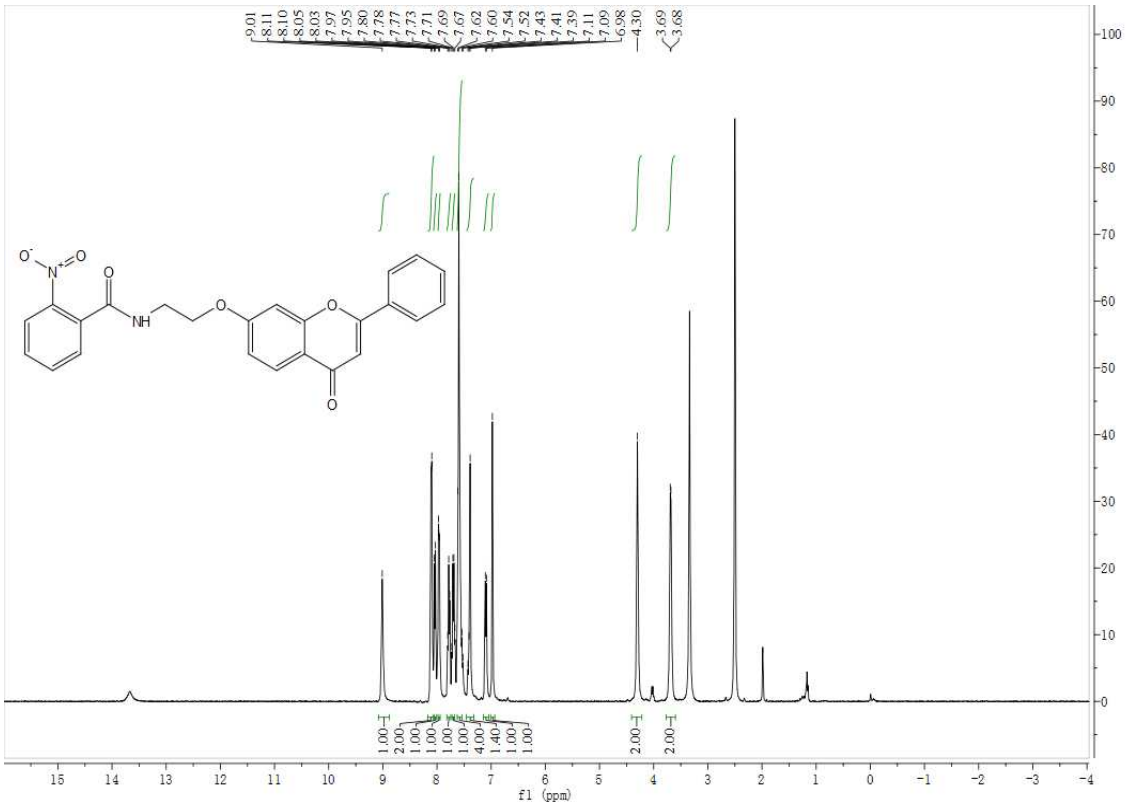

Figure S51. ^{1}H NMR spectrum of **5e**

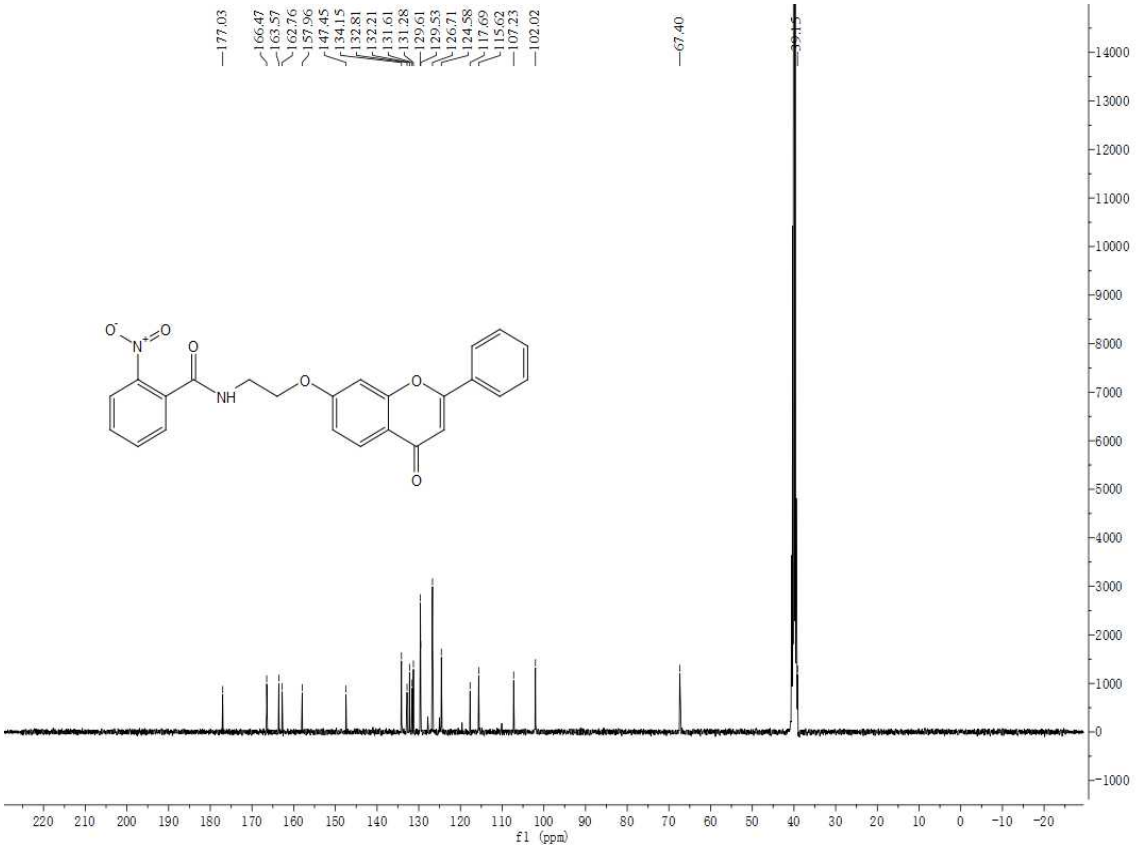

Figure S52. ^{13}C NMR spectrum of **5e**

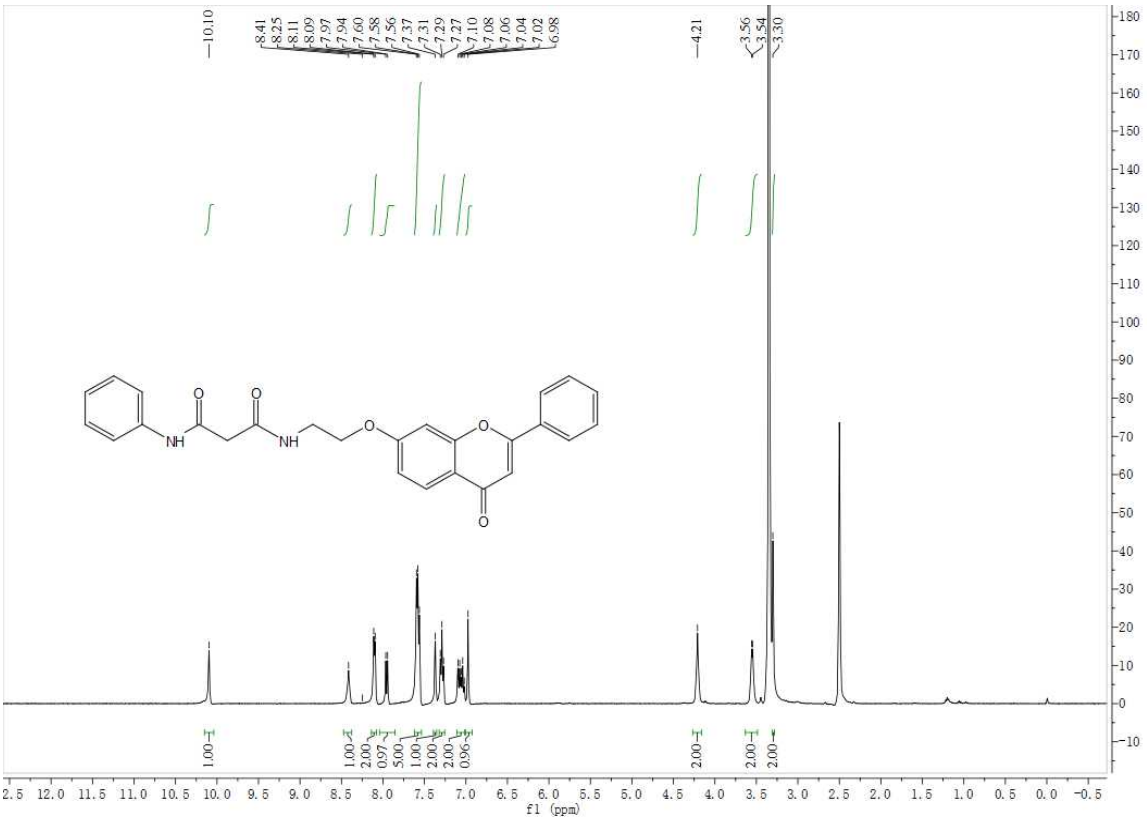

Figure S53. ^{1}H NMR spectrum of **6a**

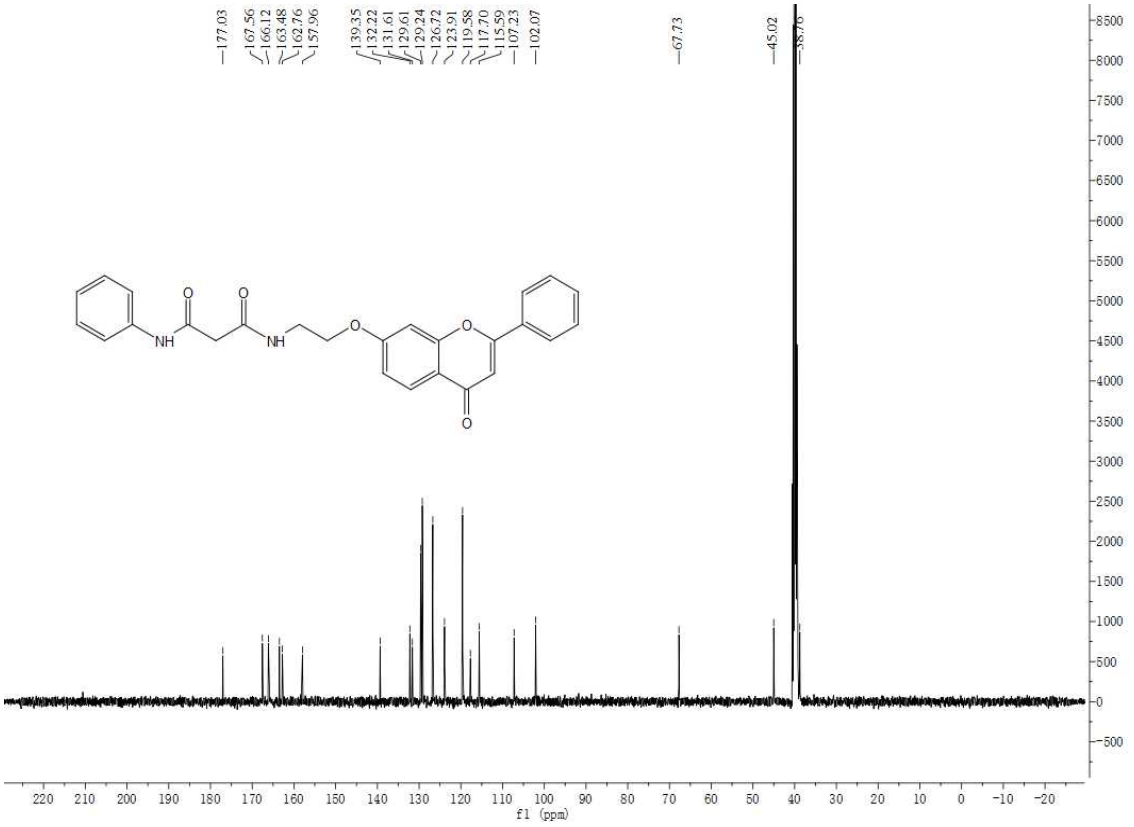

Figure S54. ^{13}C NMR spectrum of **6a**

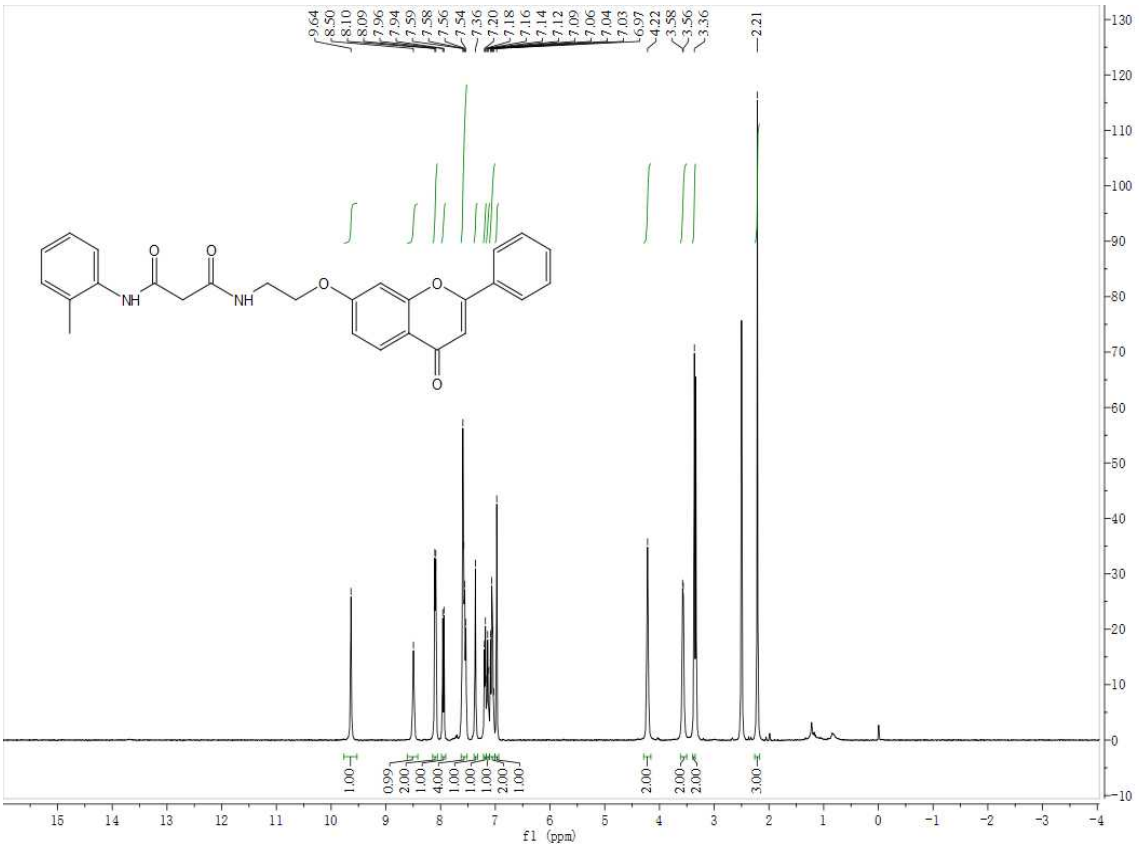

Figure S55. ^{1}H NMR spectrum of **6b**

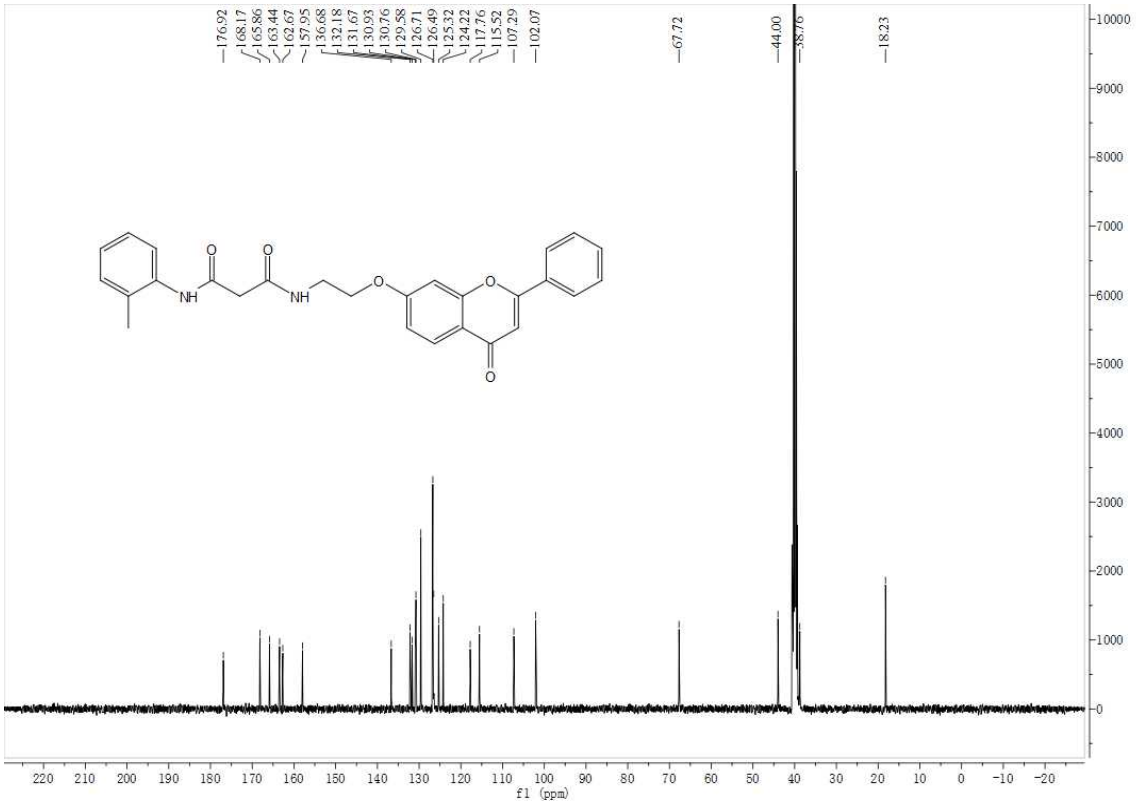

Figure S56. ^{13}C NMR spectrum of **6b**

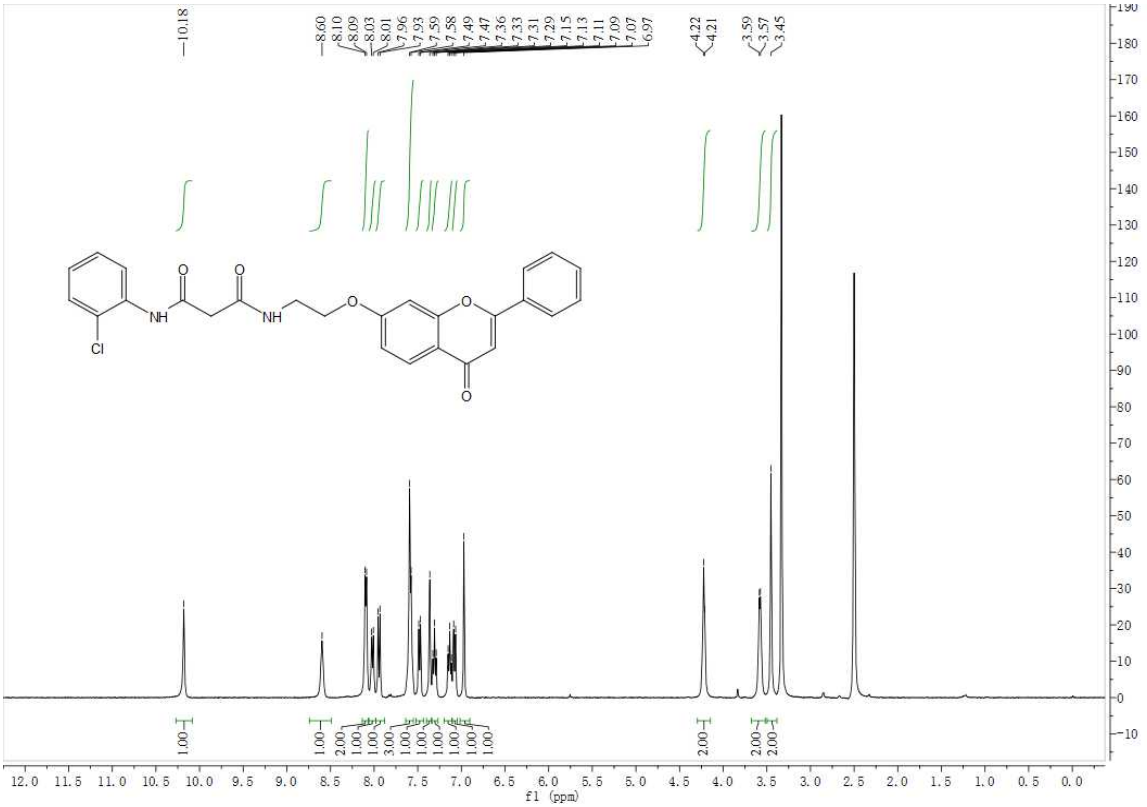

Figure S57. ^{1}H NMR spectrum of **6c**

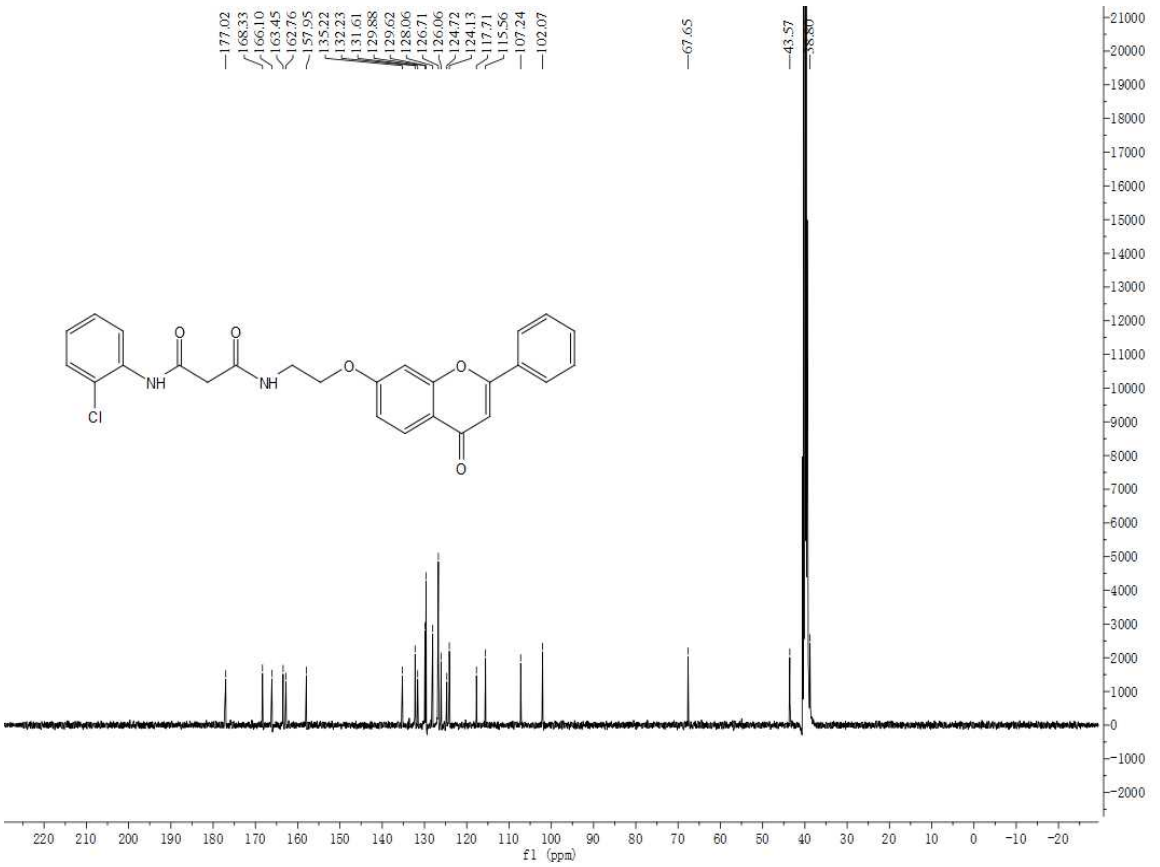

Figure S58. ^{13}C NMR spectrum of **6c**

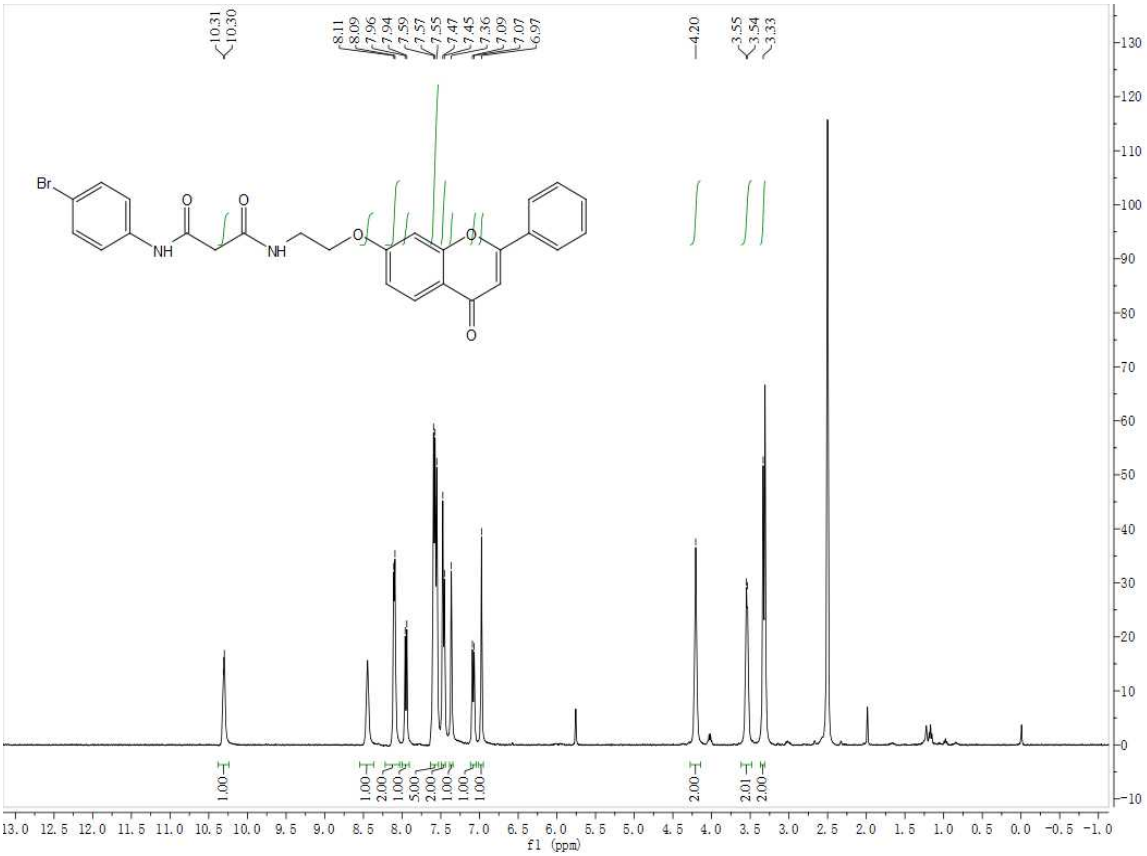

Figure S59. ^{1}H NMR spectrum of **6d**

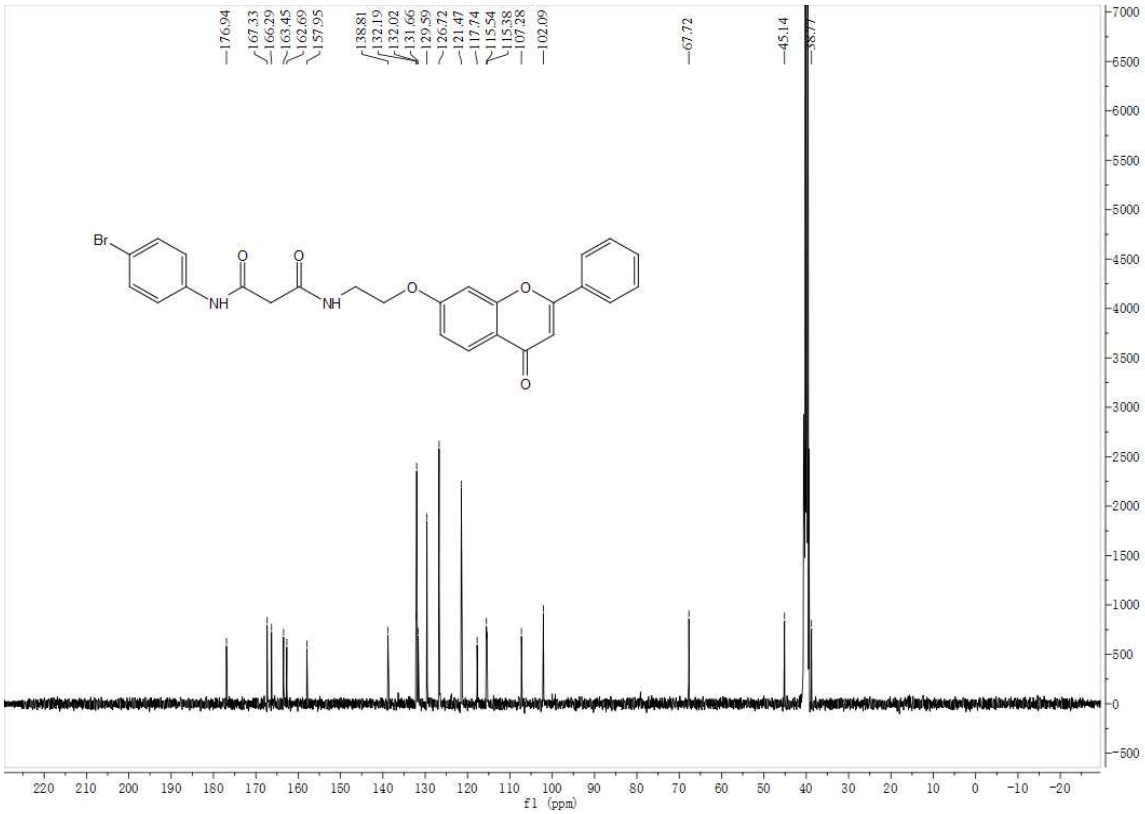

Figure S60. ^{13}C NMR spectrum of **6d**

Section S3: Molecule docking results of 1 and 2a with TMV CP.

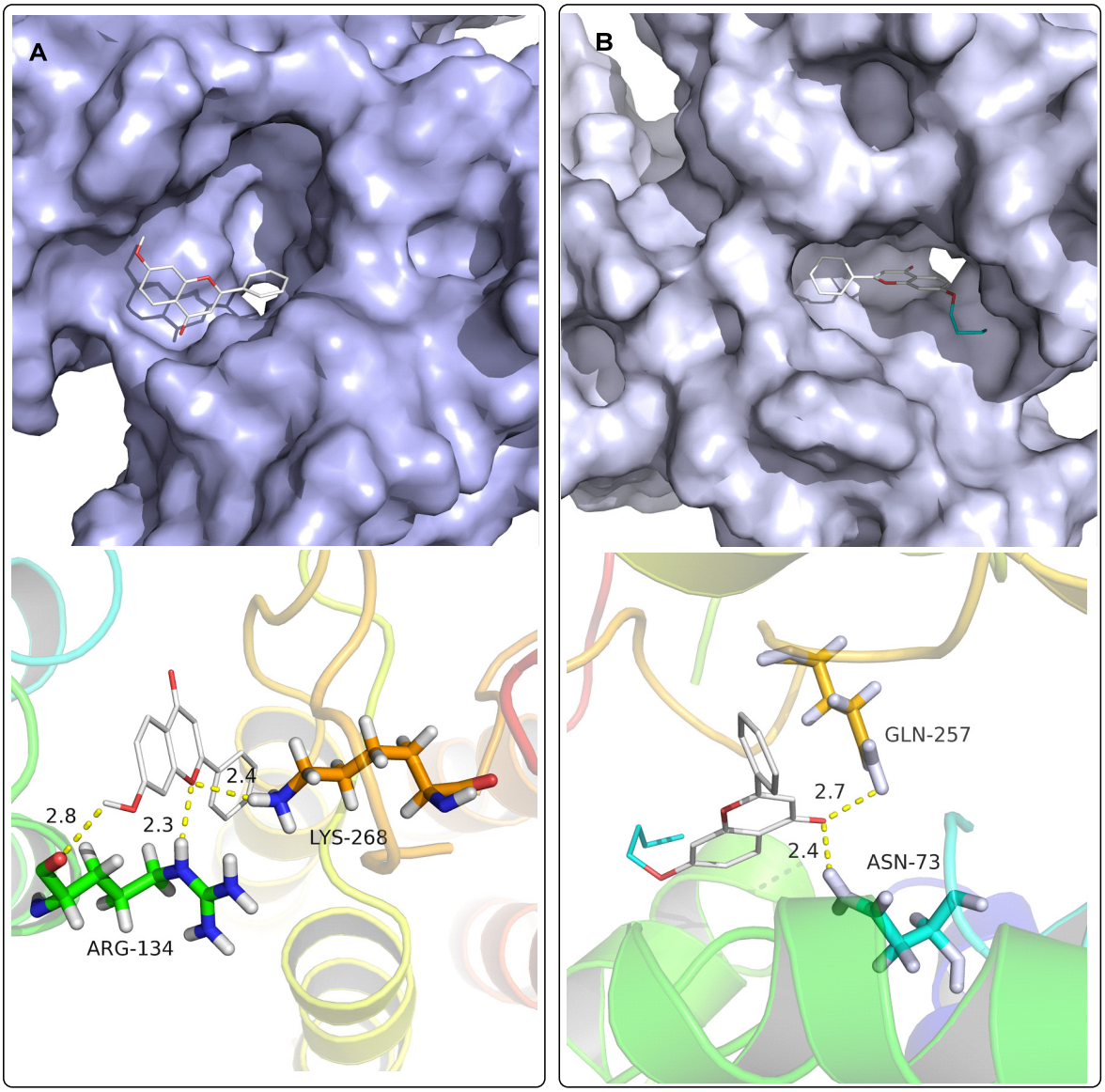

Figure S61. Molecule docking results of **1** (A) and **2a** (B) with TMV CP