

Supplementary Materials: Synthesis and Antitumor Evaluation of Novel 5-Hydrosulfonyl-1*H*-benzo[d]imidazol-2(3*H*)-One Derivatives

Guang Ouyang, Rongsheng Tong, Jinqi Li, Lan Bai, Liang Ouyang, Xingmei Duan, Fengqiong Li, Pin He, Jianyou Shi and Yuxin He

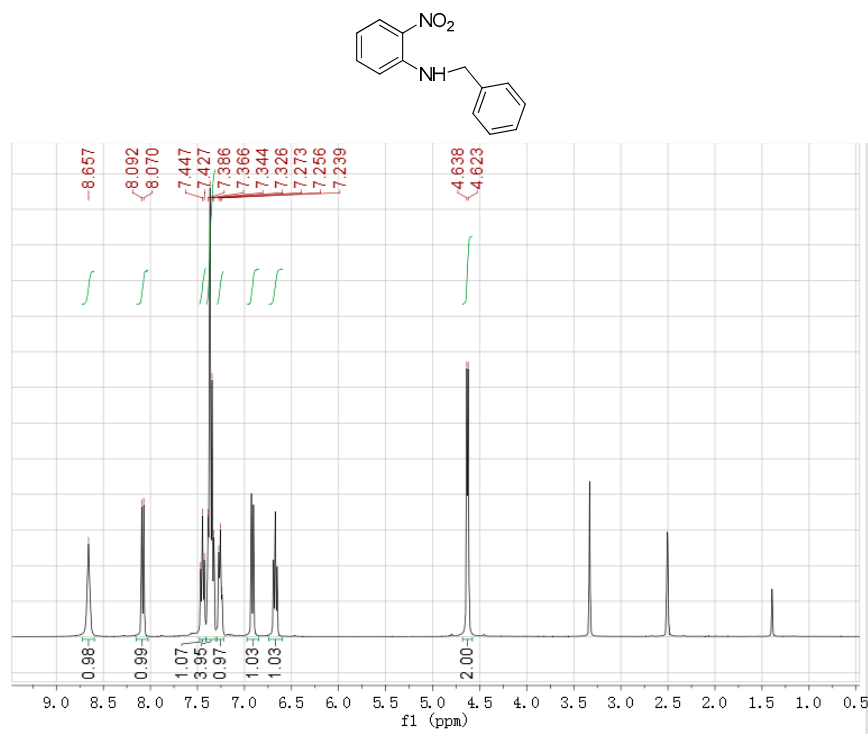


Figure S1. ¹H-NMR spectrum of 2a.

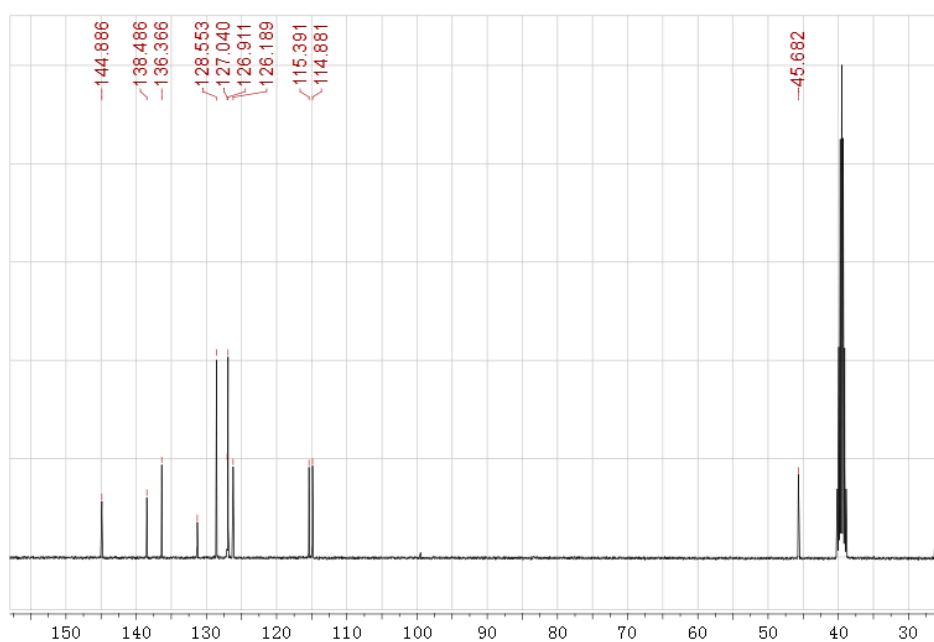


Figure S2. ¹³C-NMR spectrum of 2a.

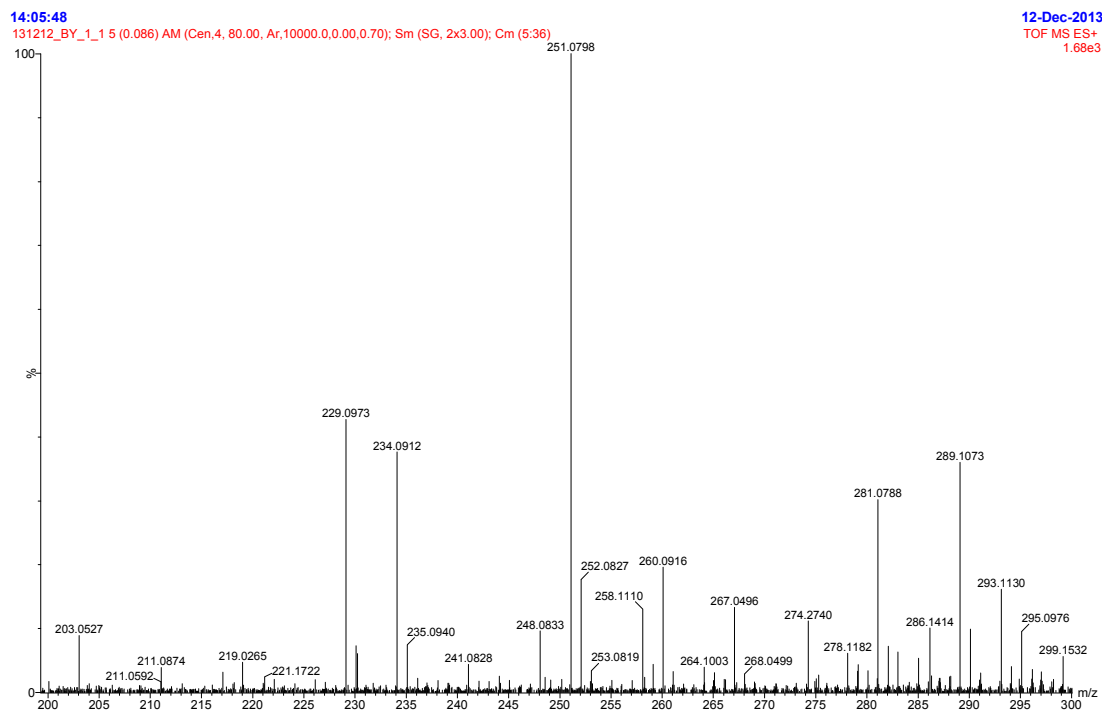
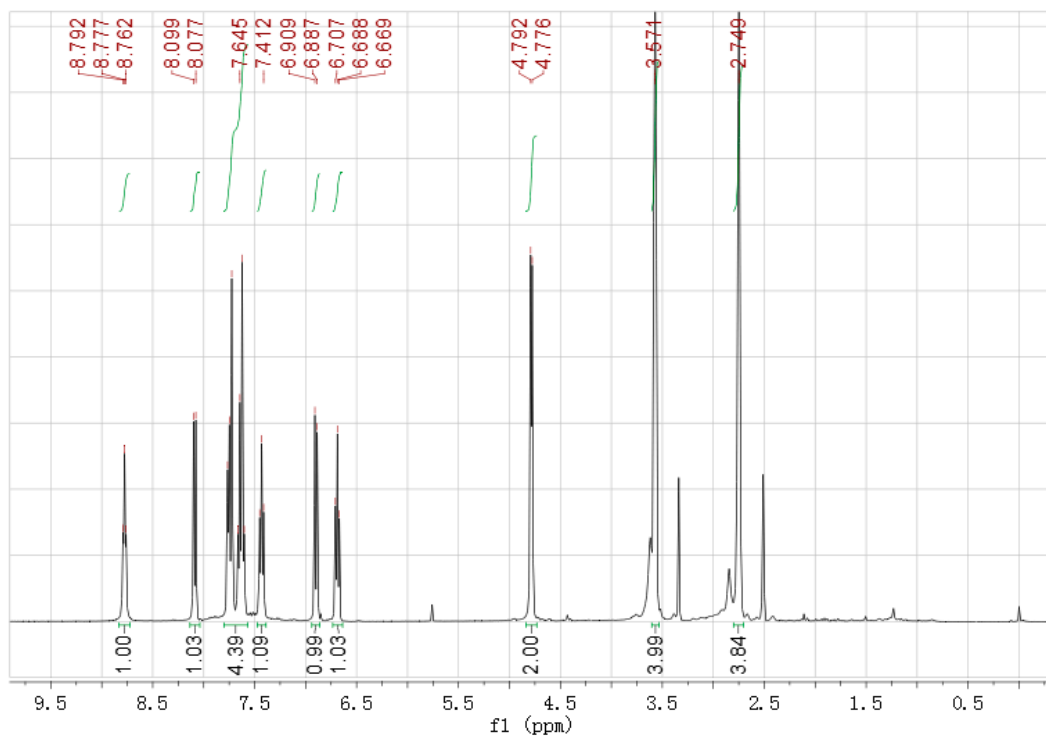
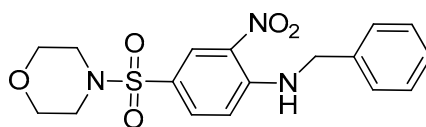


Figure S3. HRMS (EI) spectrum of 2a.

Figure S4. ¹H-NMR spectrum of 3a.

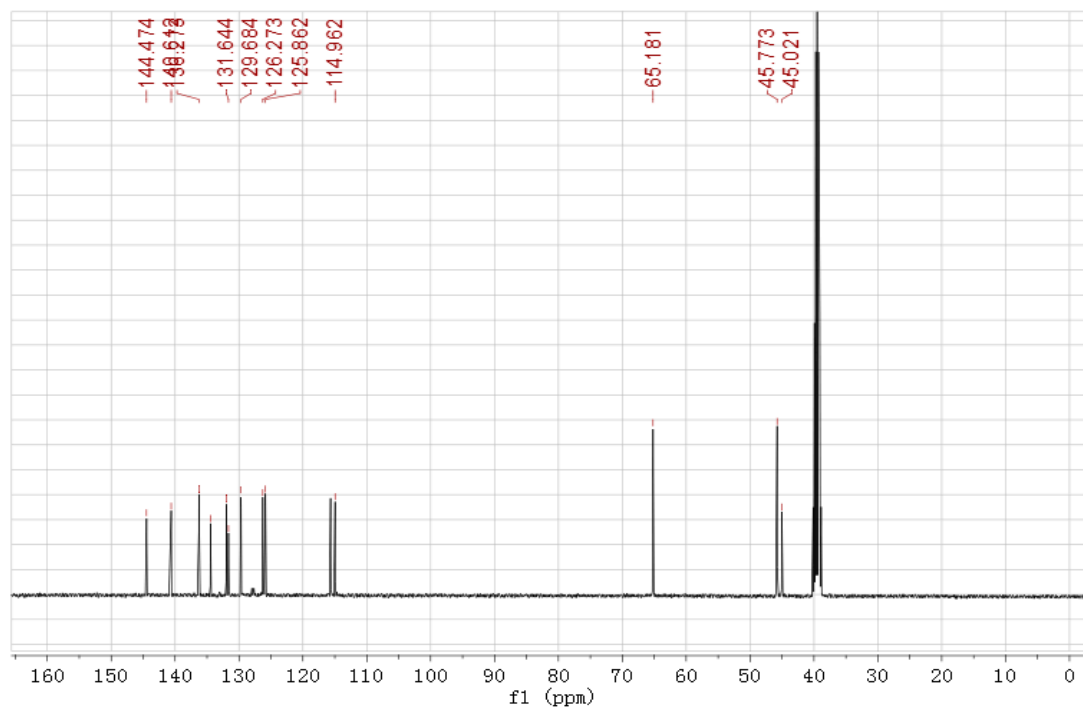
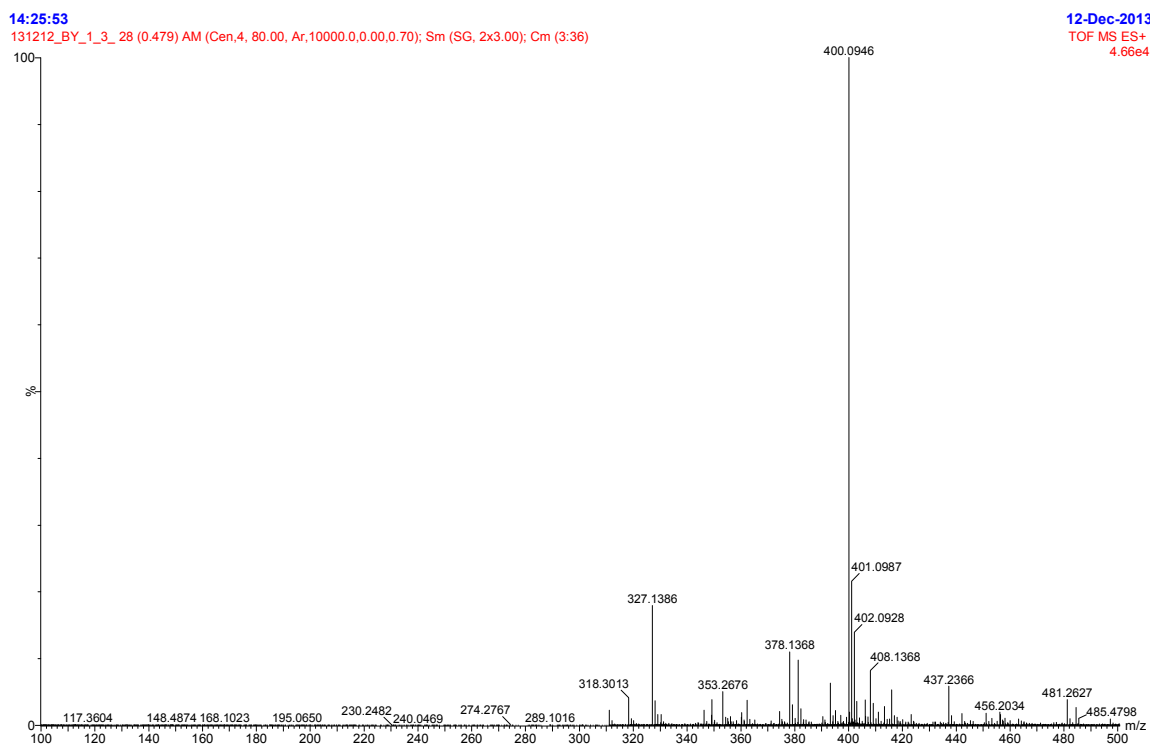
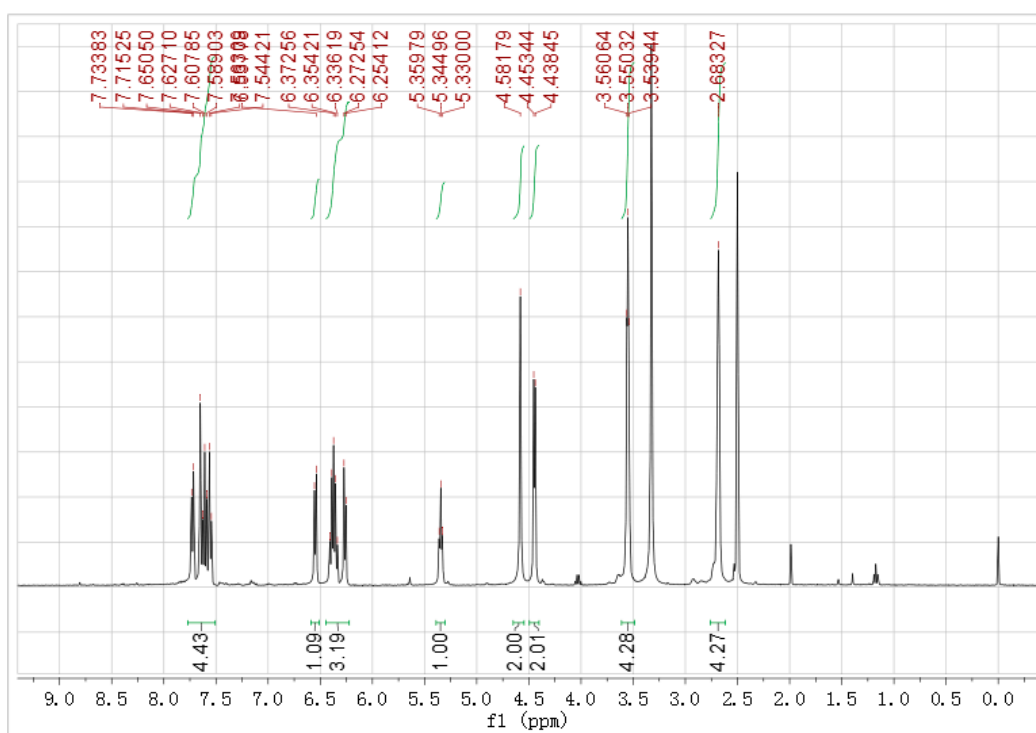
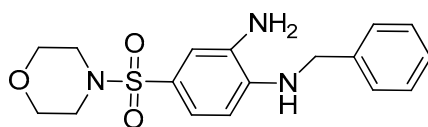
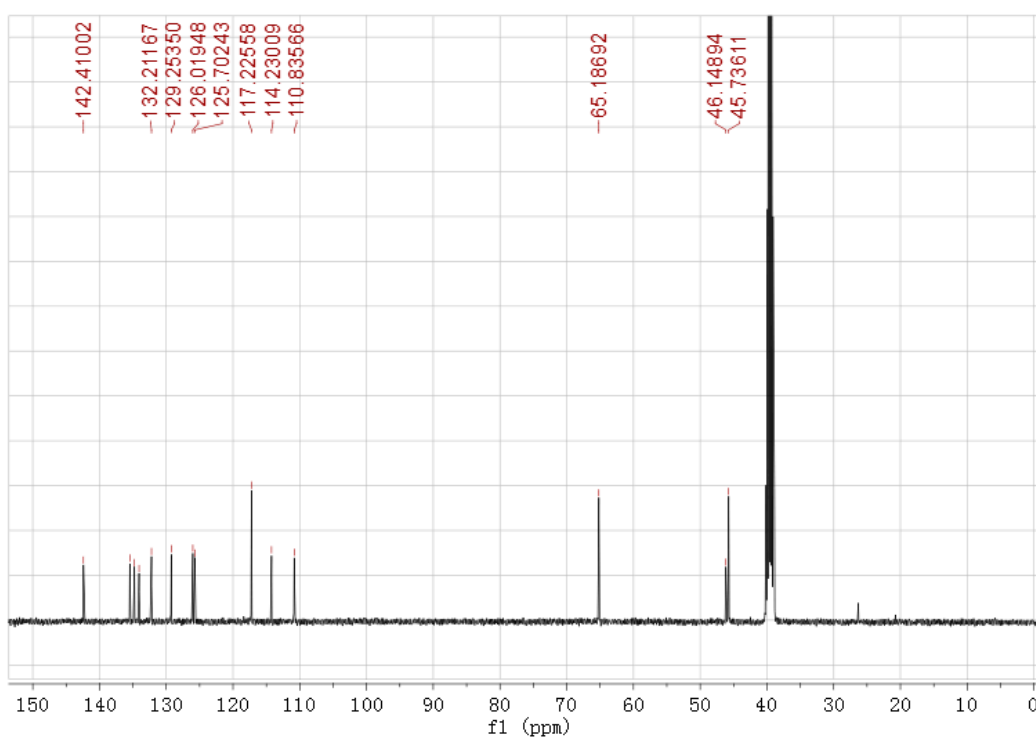
Figure S5. ¹³C-NMR spectrum of 3a.

Figure S6. HRMS (EI) spectrum of 3a.

Figure S7. ¹H-NMR spectrum of 4a.Figure S8. ¹³C-NMR spectrum of 4a.

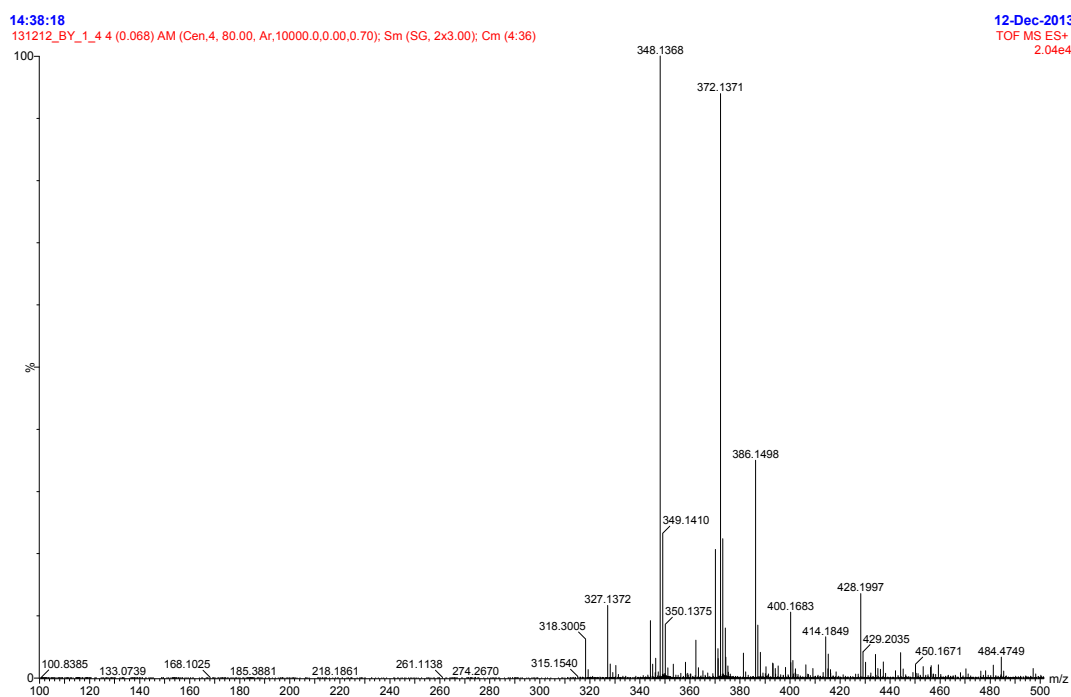
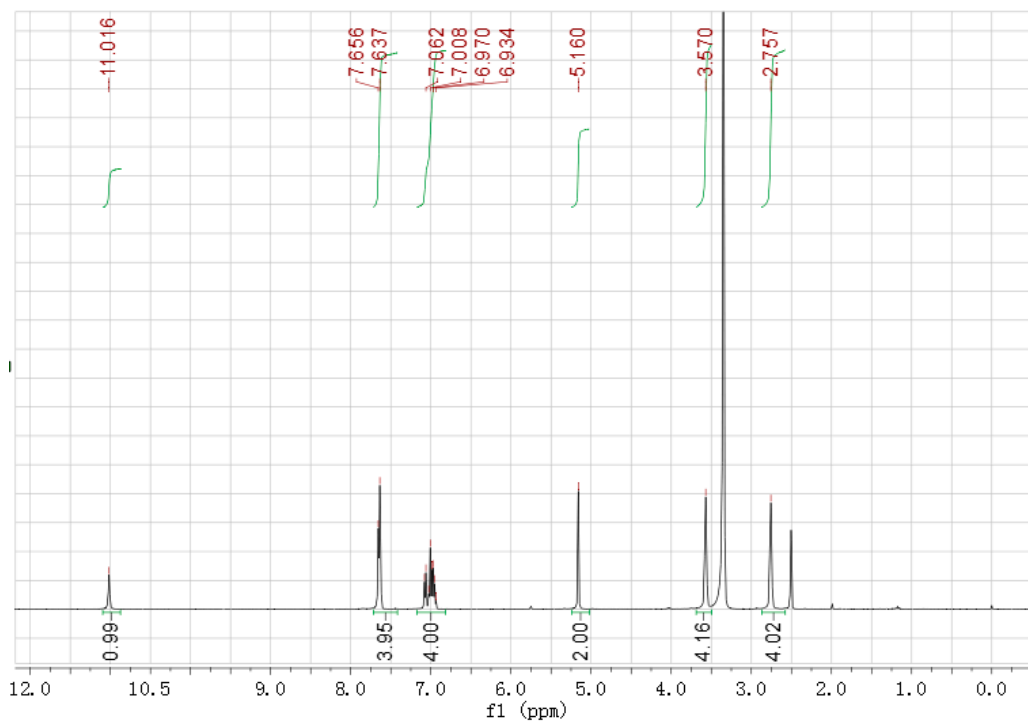
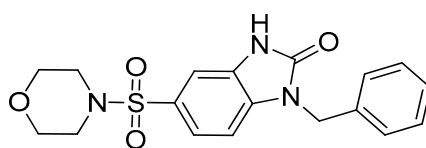


Figure S9. HRMS (EI) spectrum of 4a.

Figure S10. ¹H-NMR spectrum of 5a.

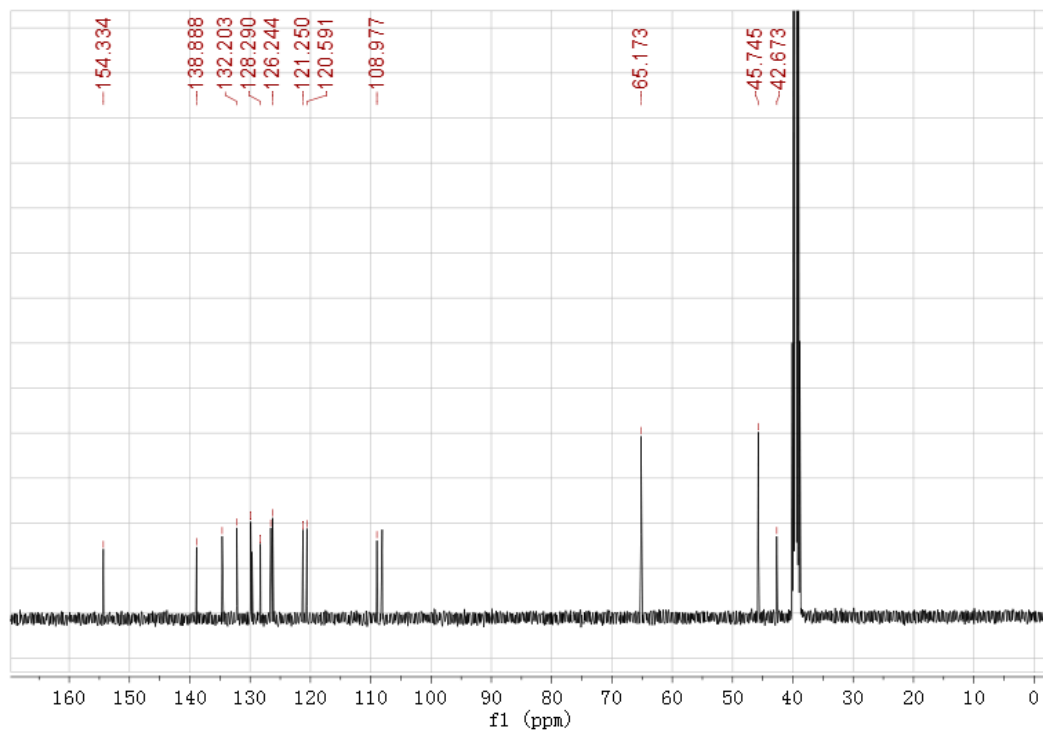
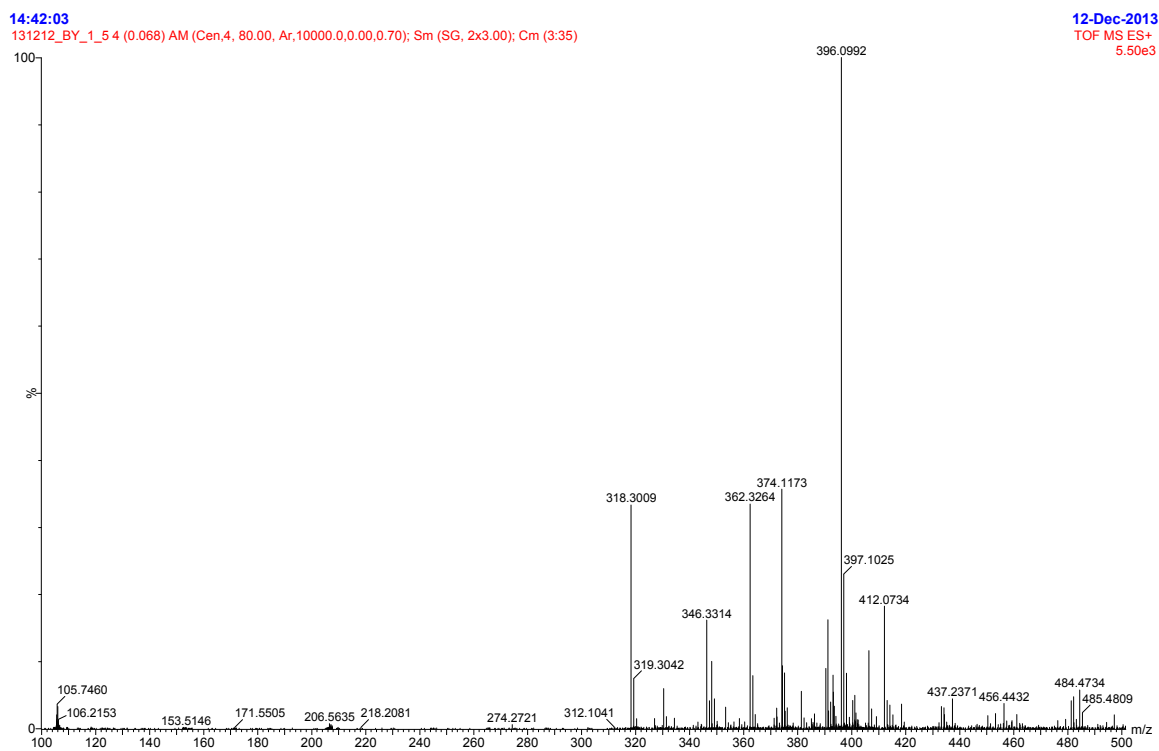
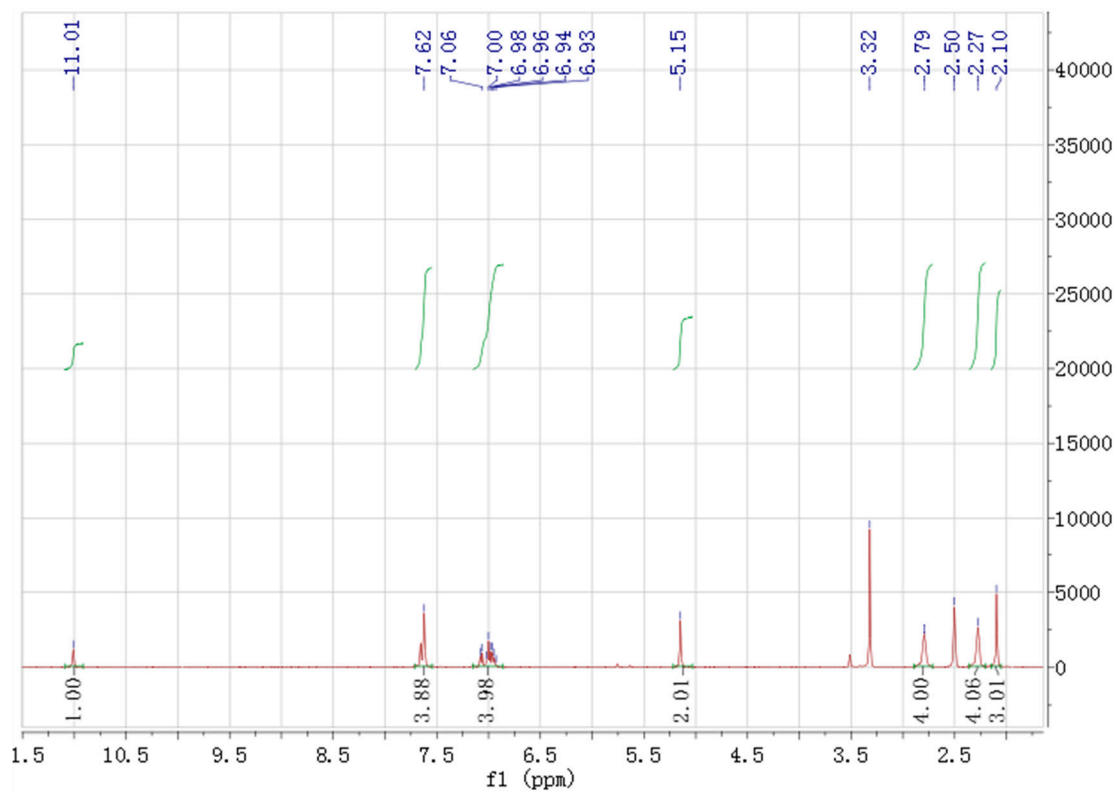
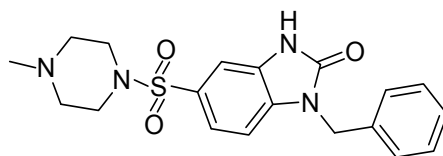
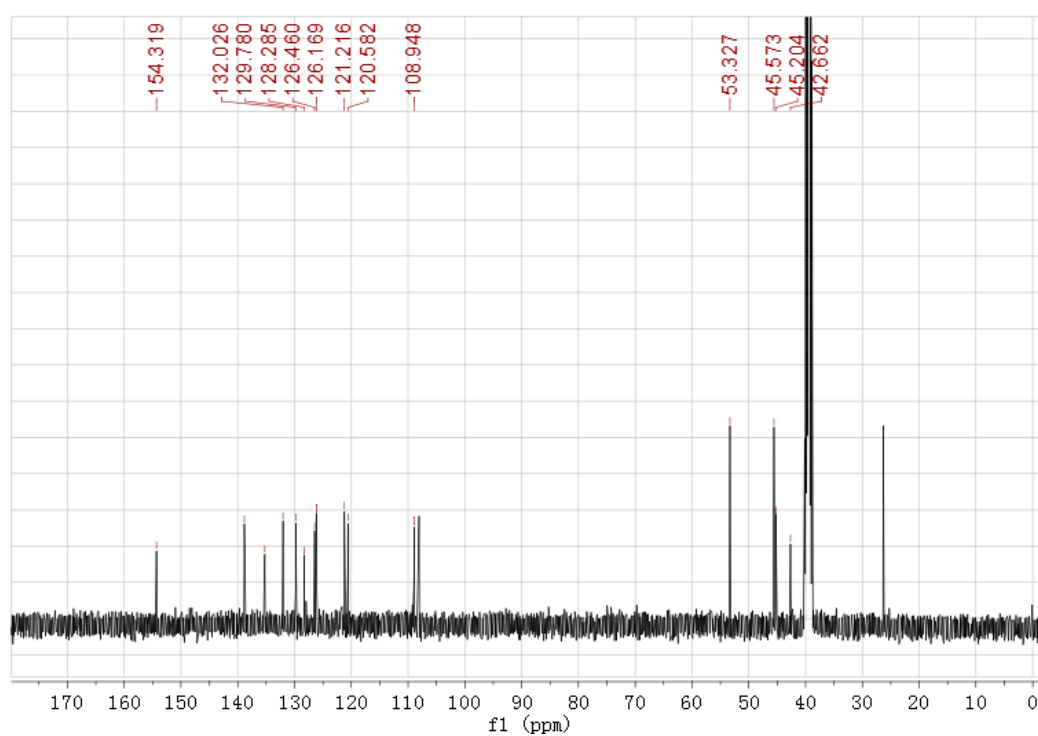
Figure S11. ¹³C-NMR spectrum of 5a.

Figure S12. HRMS (EI) spectrum of 5a.

Figure S13. ¹H-NMR spectrum of 5b.Figure S14. ¹³C-NMR spectrum of 5b.

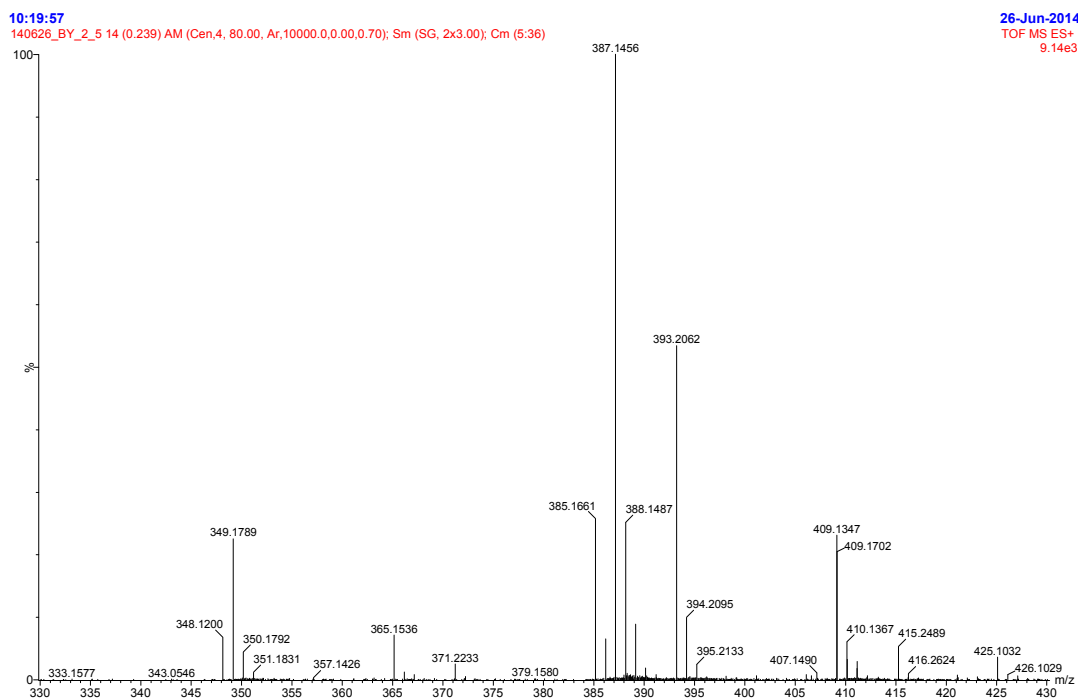
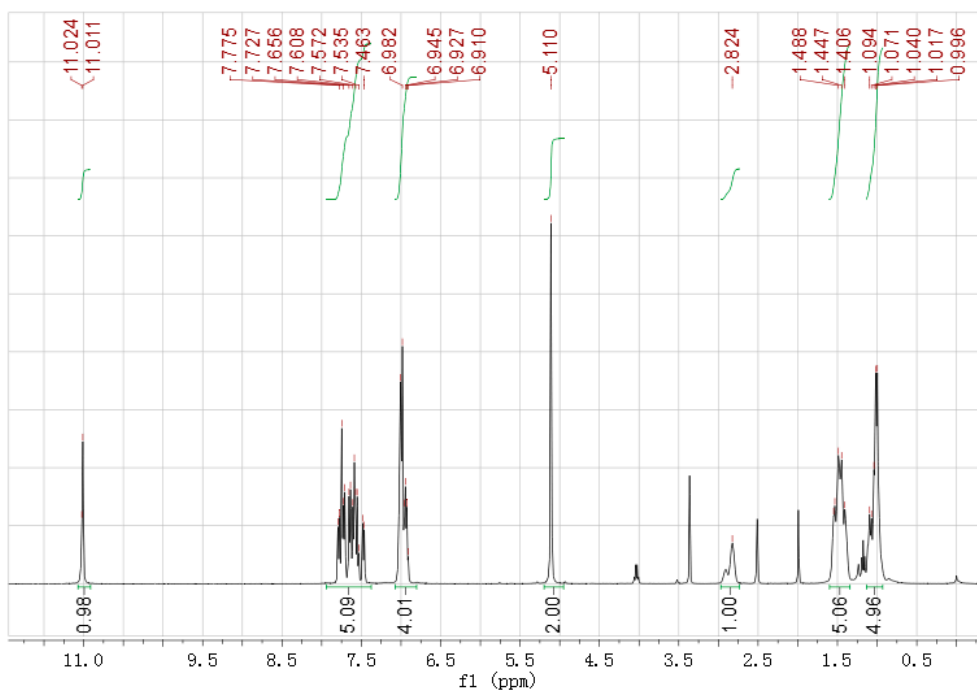
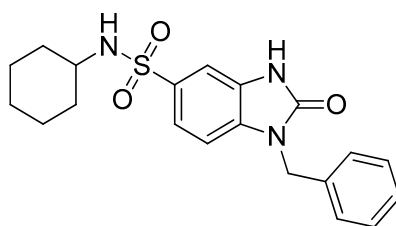


Figure S15. HRMS (EI) spectrum of 5b.

Figure S16. ¹H-NMR spectrum of 5c.

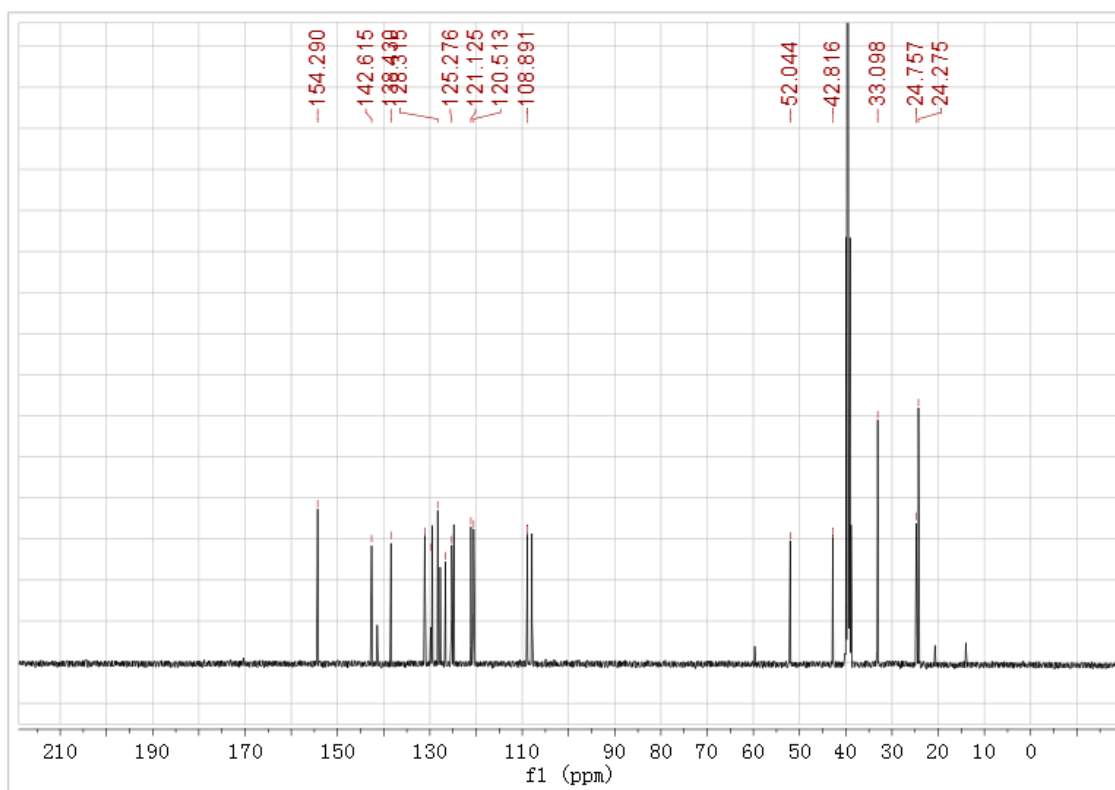
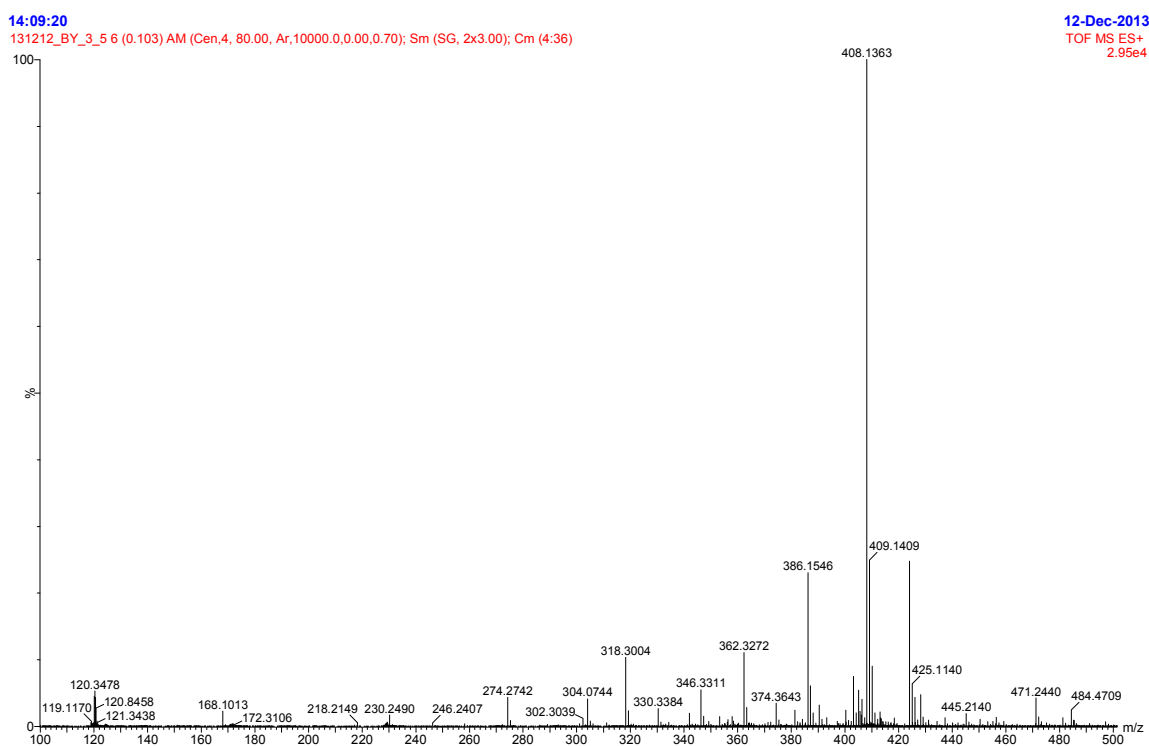
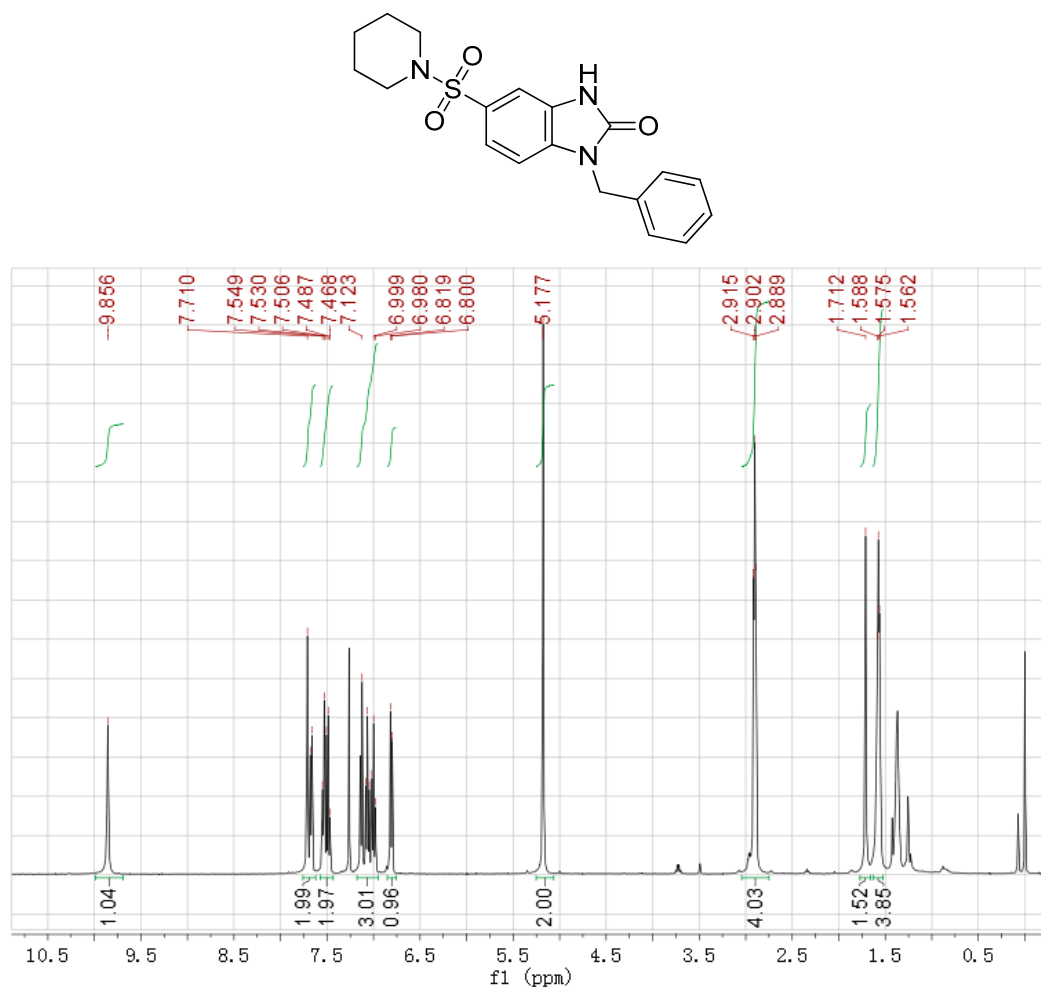
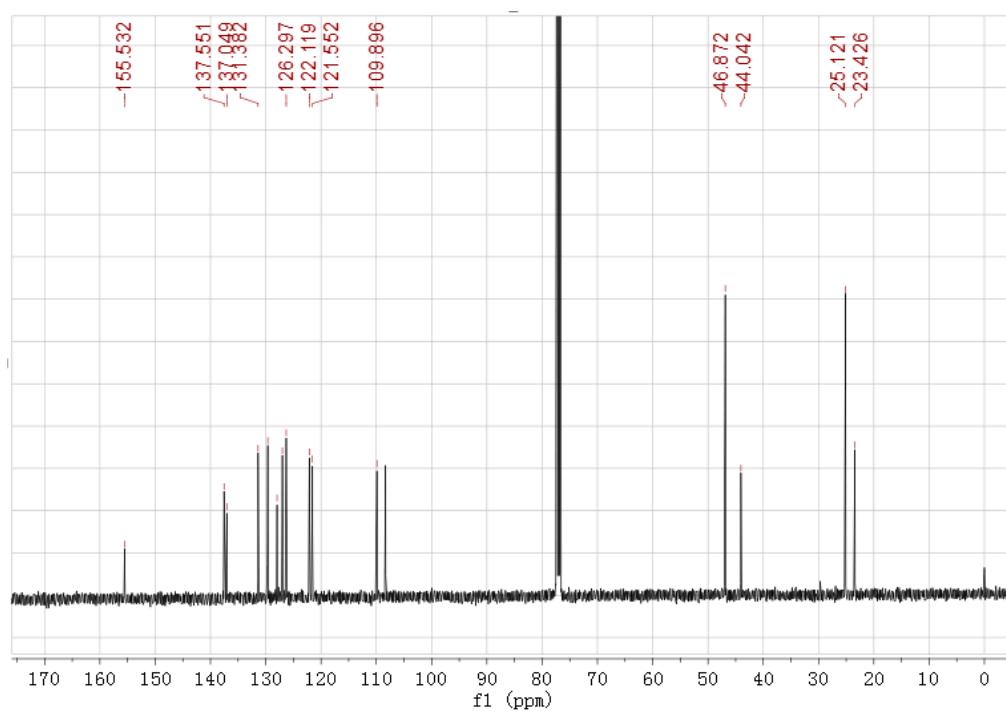
Figure S17. ¹³C-NMR spectrum of 5c.

Figure S18. HRMS (EI) spectrum of 5c.

Figure S19. ¹H-NMR spectrum of 5d.Figure S20. ¹³C-NMR spectrum of 5d.

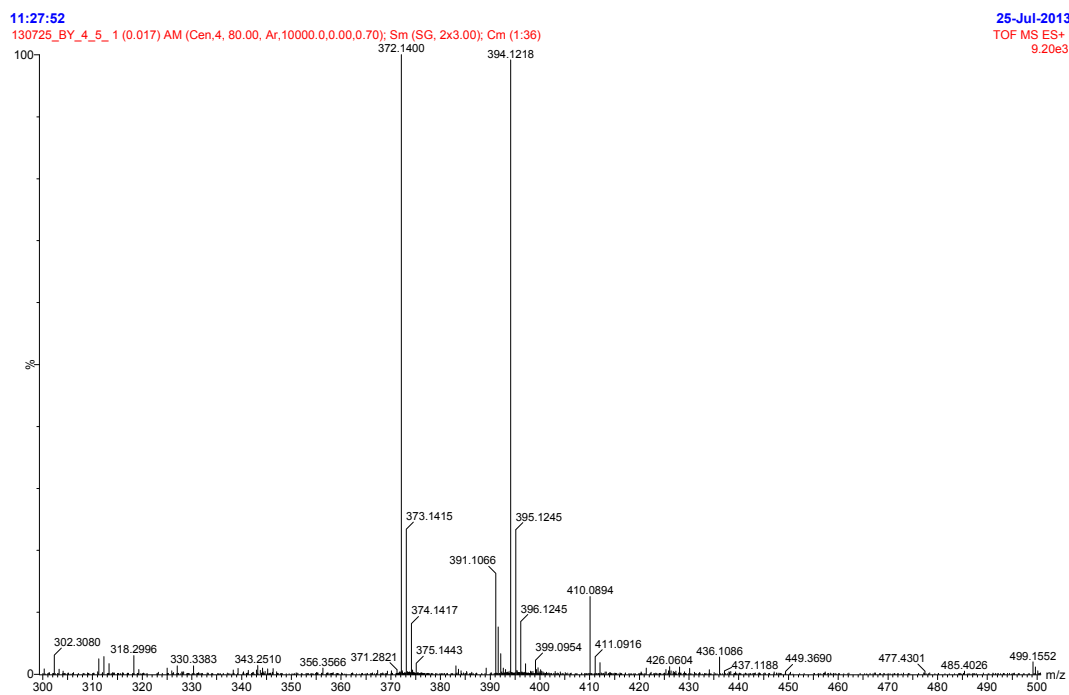
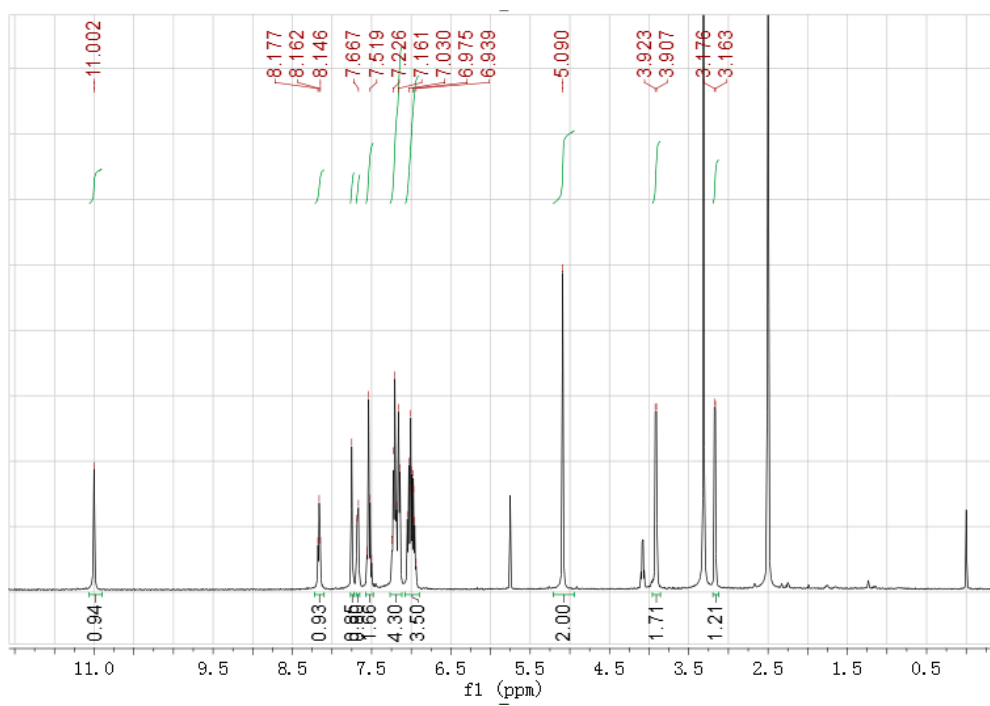
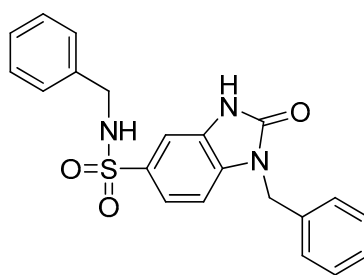


Figure S21. HRMS (EI) spectrum of 5d.

Figure S22. ¹H-NMR spectrum of 5e.

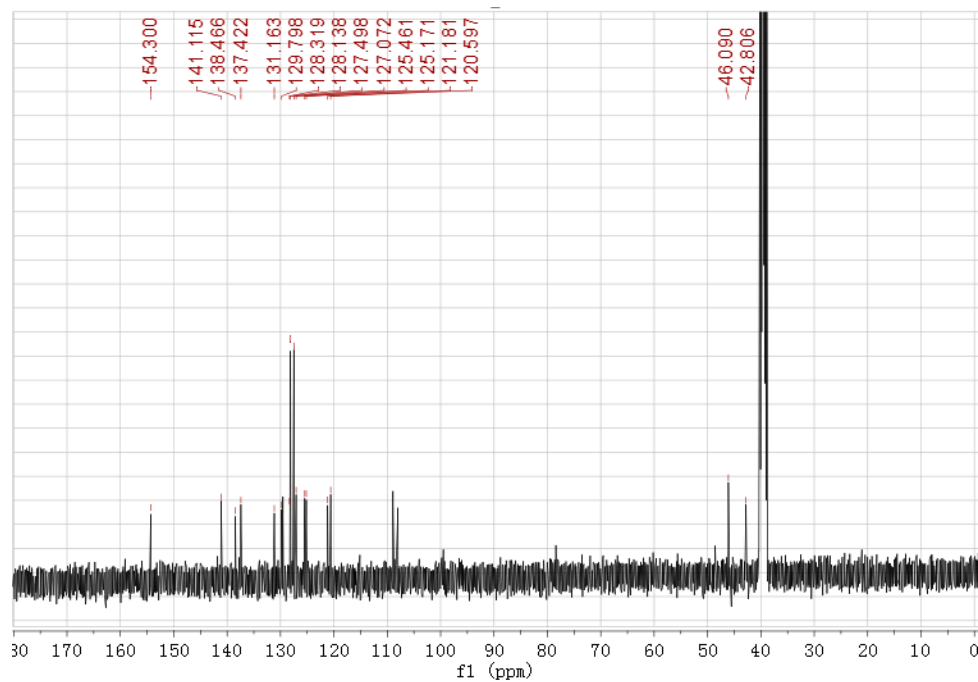
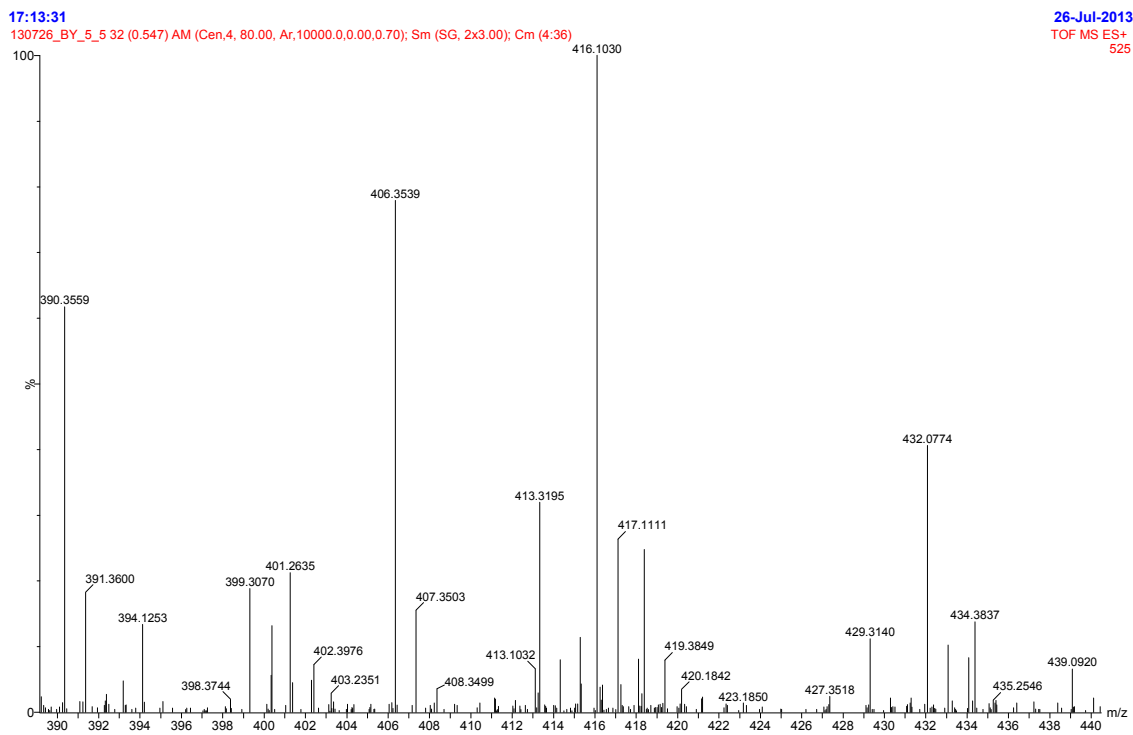
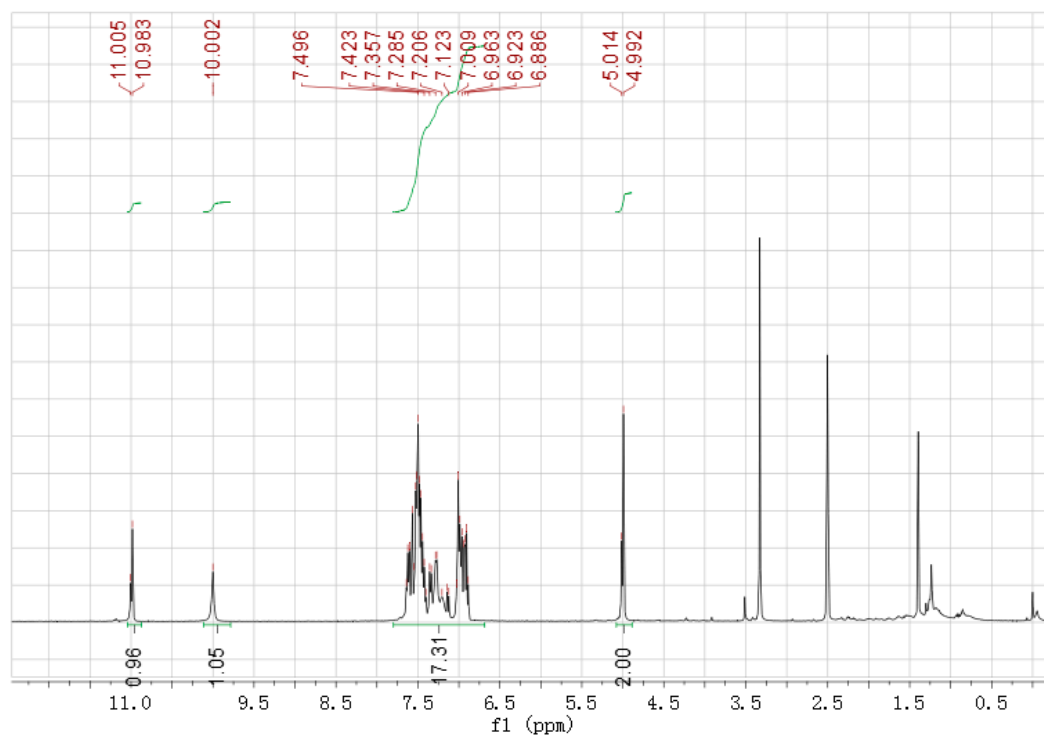
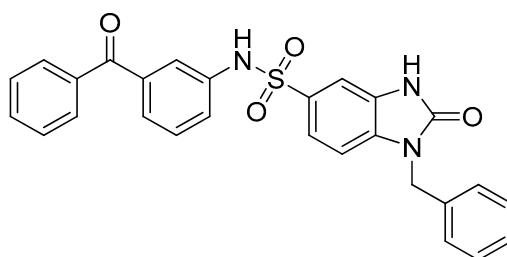
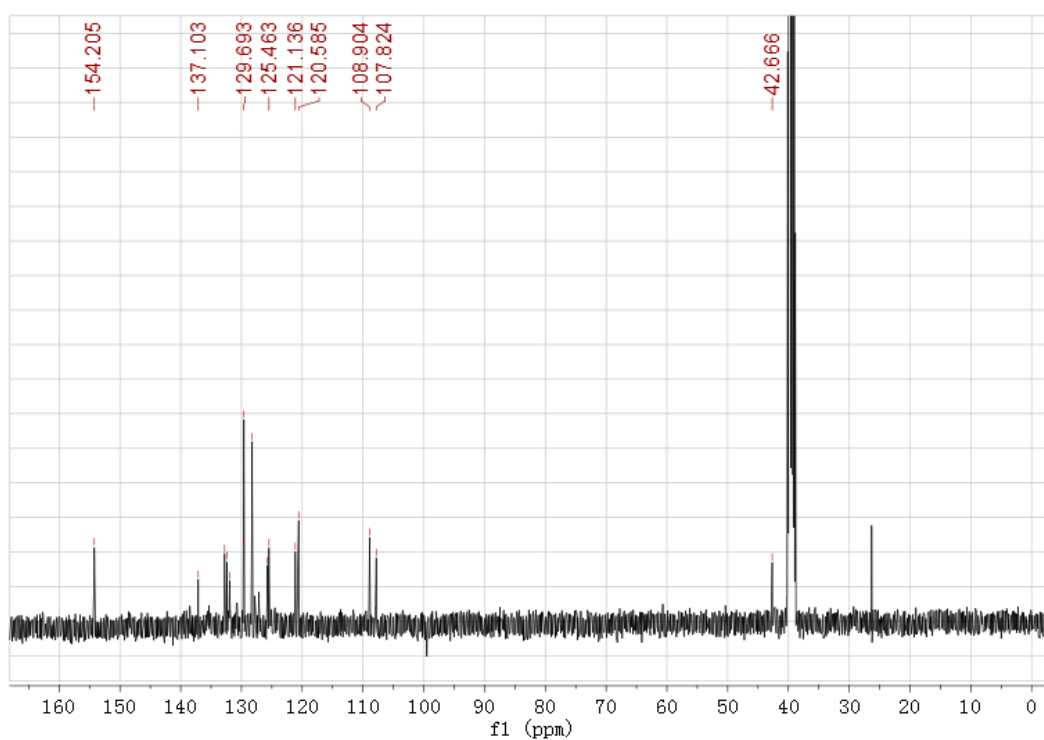
Figure S23. ^{13}C -NMR spectrum of 5e.

Figure S24. HRMS (EI) spectrum of 5e.

Figure S25. ¹H-NMR spectrum of 5f.Figure S26. ¹³C-NMR spectrum of 5f.

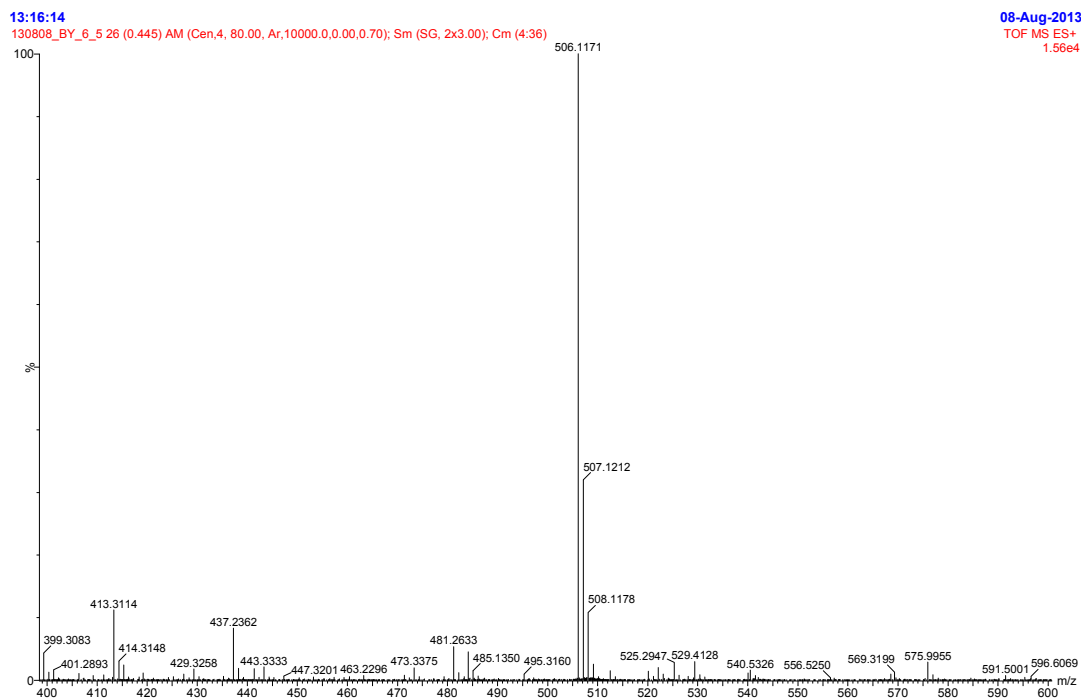
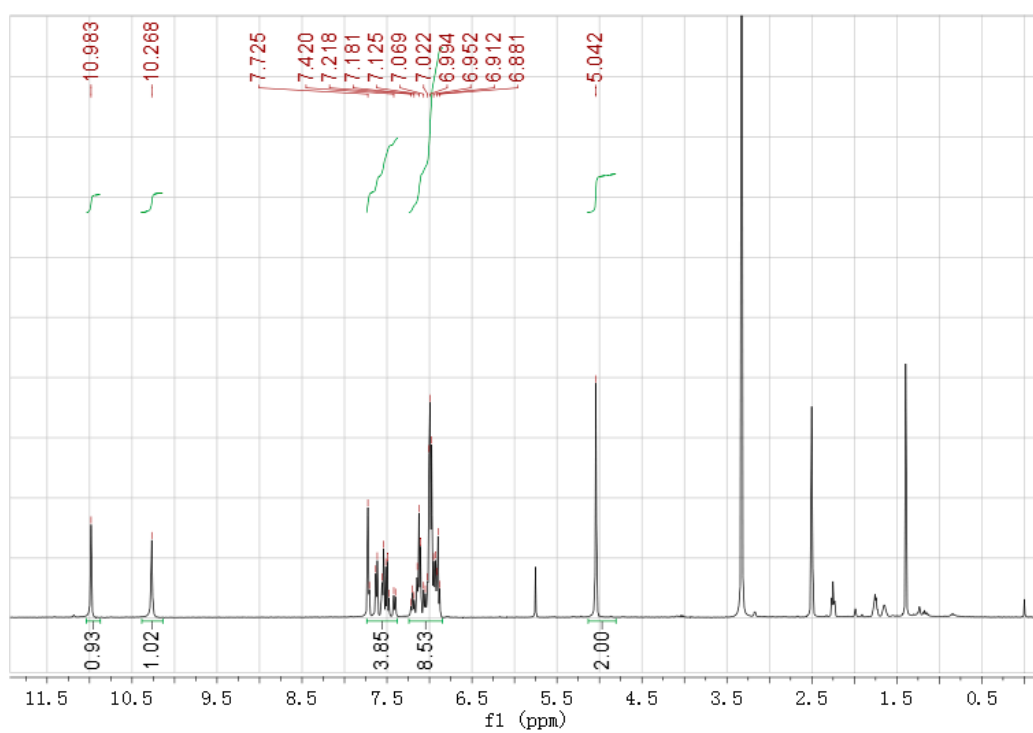
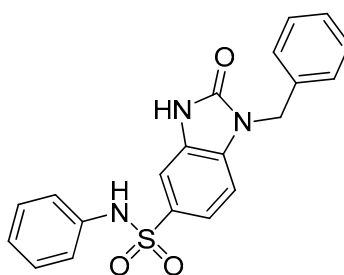


Figure 27. HRMS (EI) spectrum of 5f.

Figure S28. ¹H-NMR spectrum of 5g.

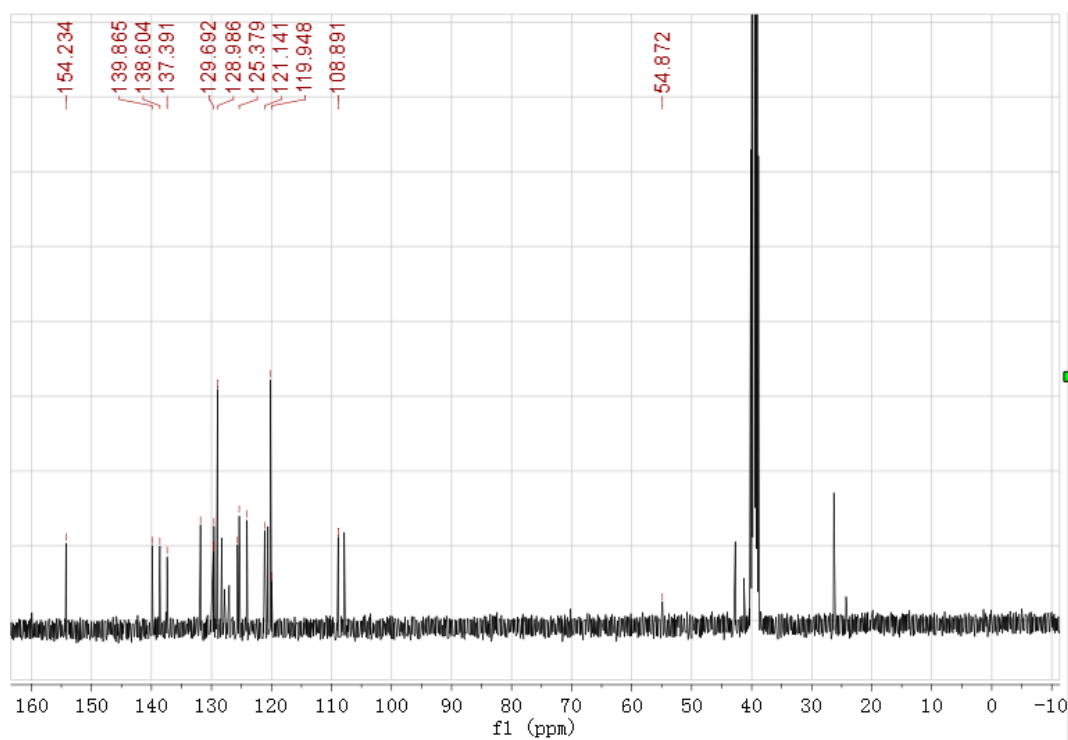
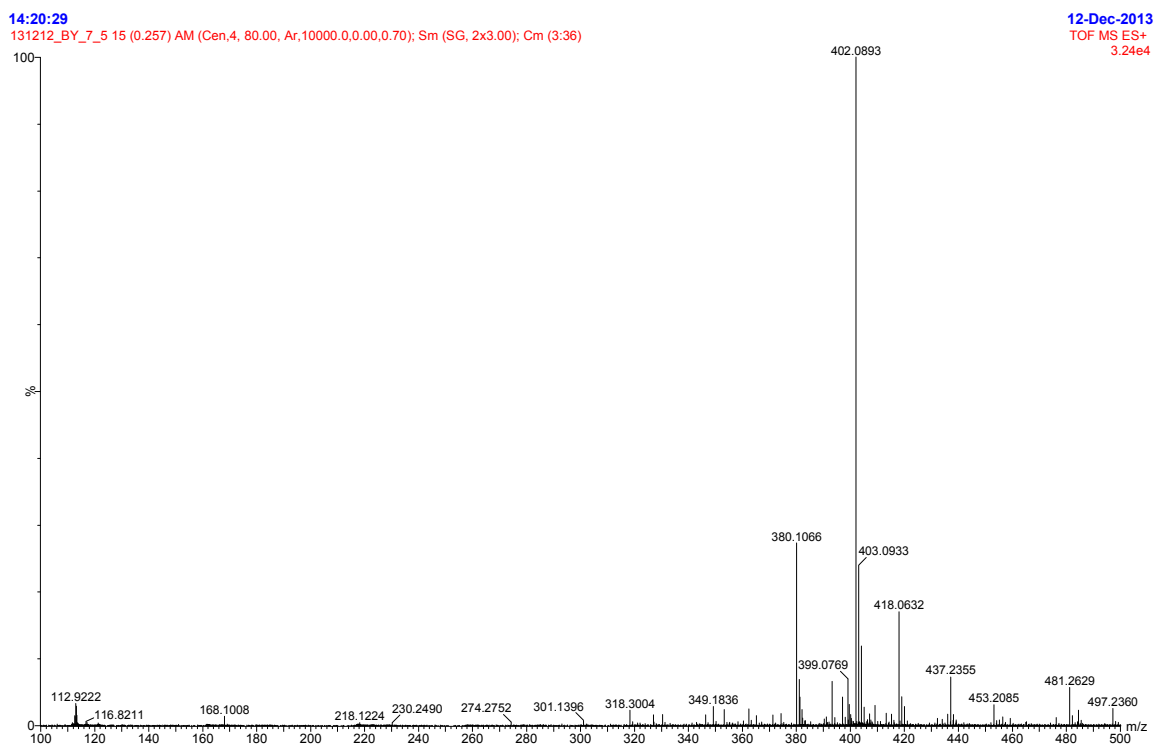
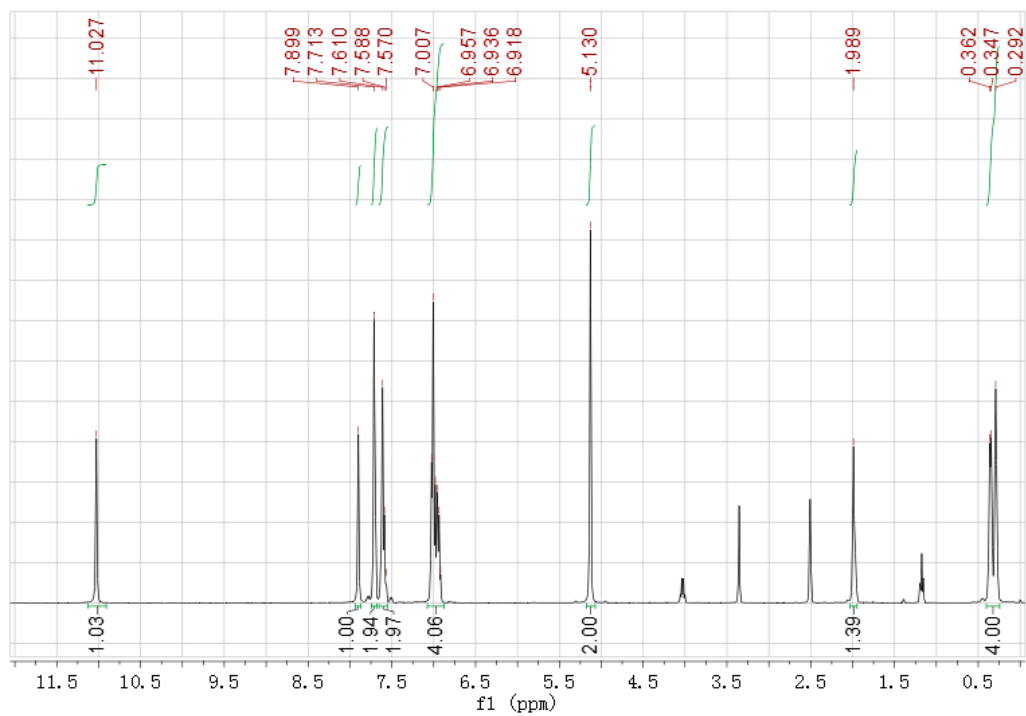
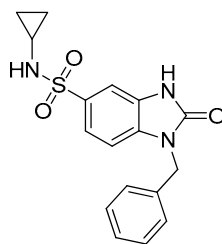
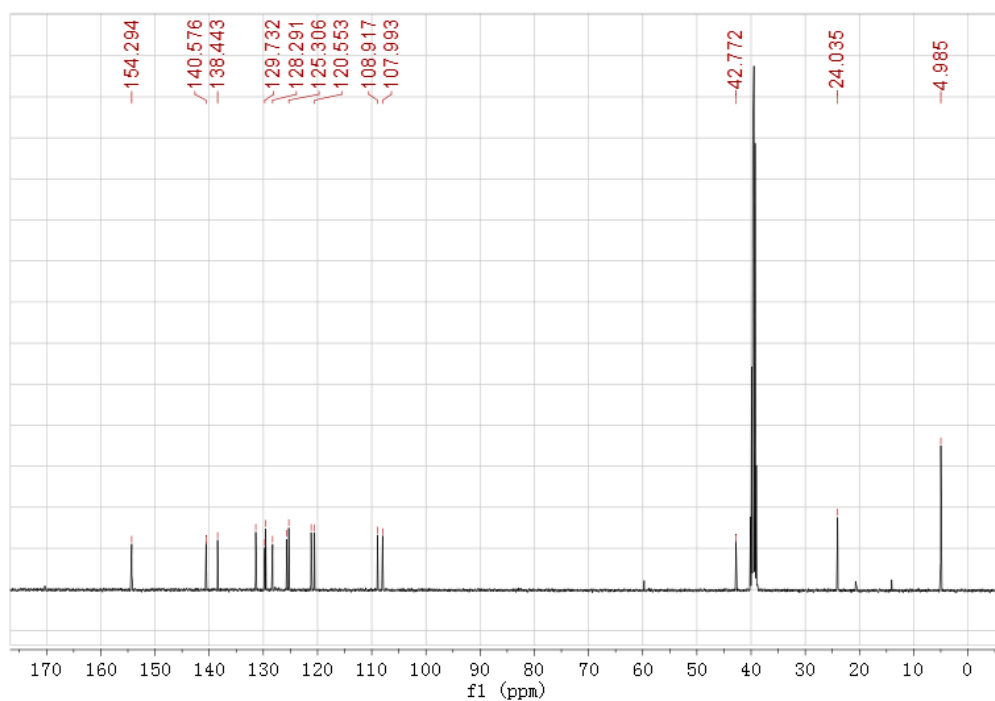
Figure S29. ^{13}C -NMR spectrum of 5g.

Figure S30. HRMS (EI) spectrum of 5g.

Figure S31. ¹H-NMR spectrum of 5h.Figure S32. ¹³C-NMR spectrum of 5h.

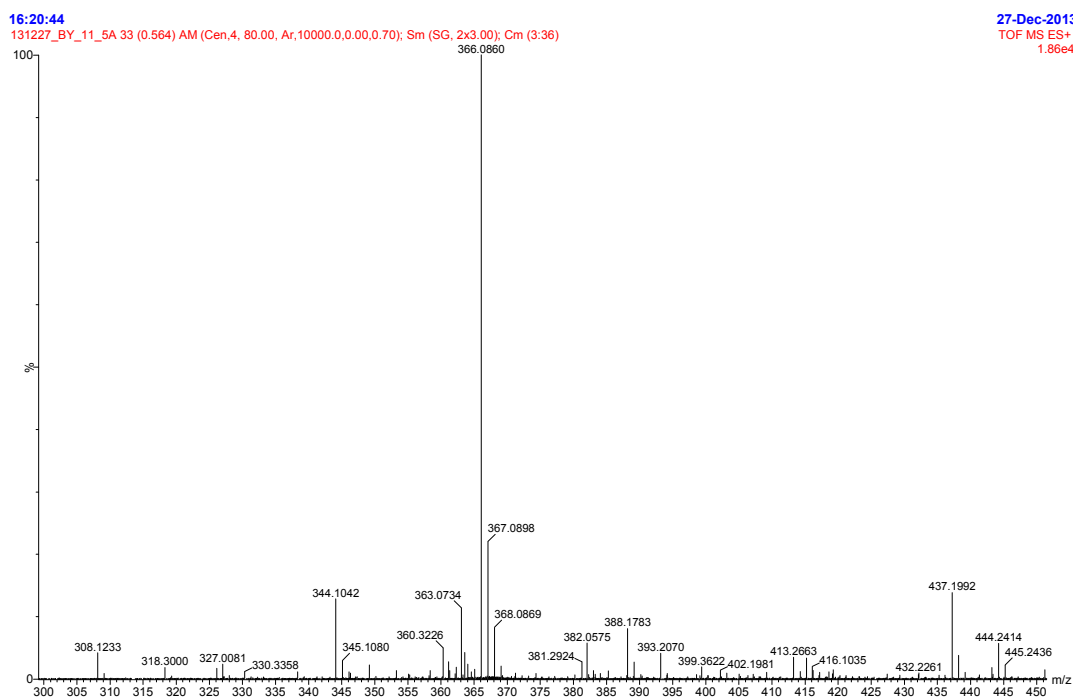
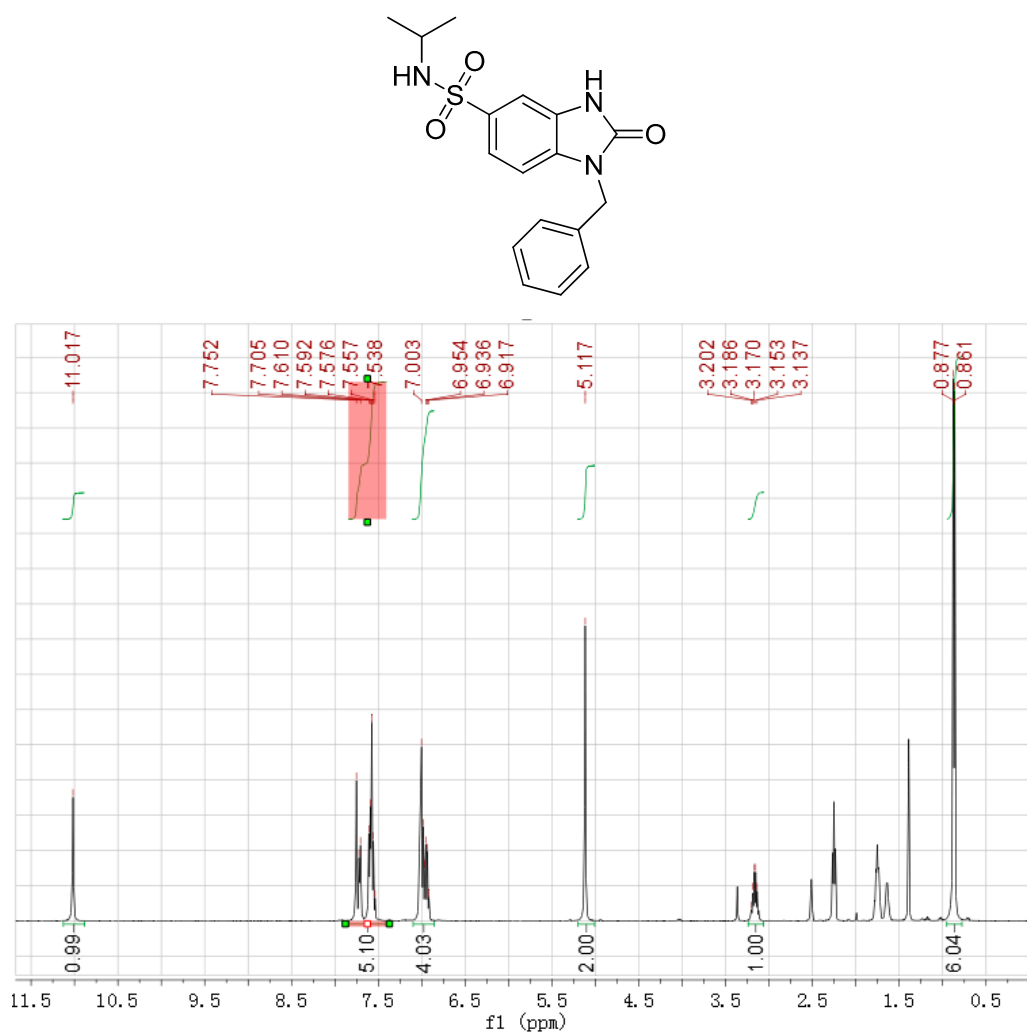


Figure S33. HRMS (EI) spectrum of 5h.

Figure S34. ¹H-NMR spectrum of 5i.

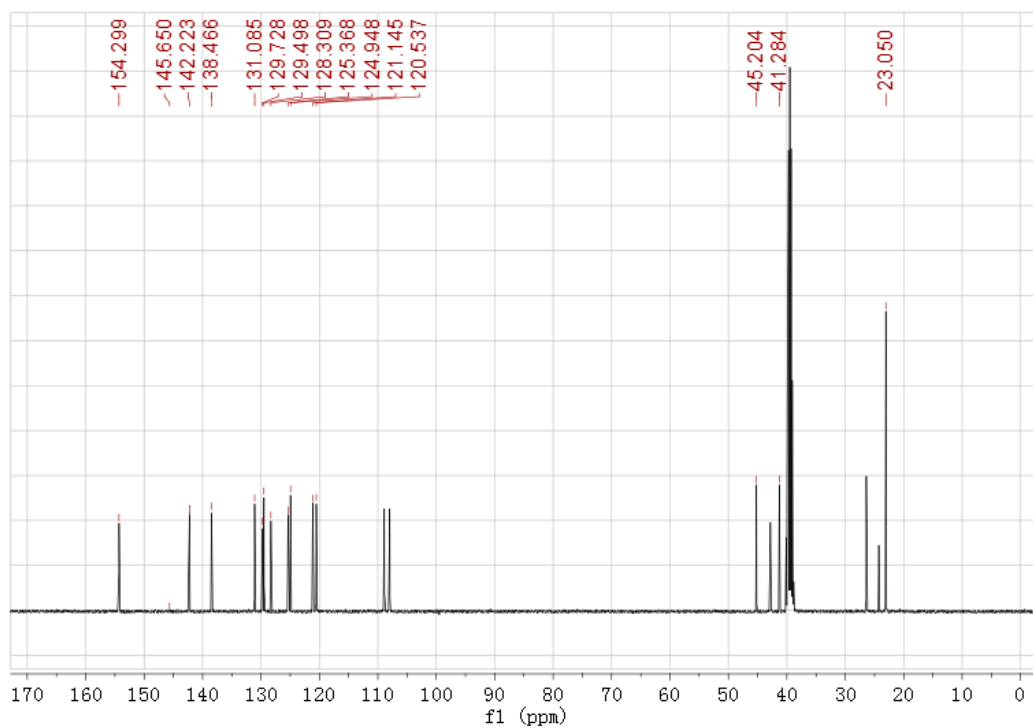
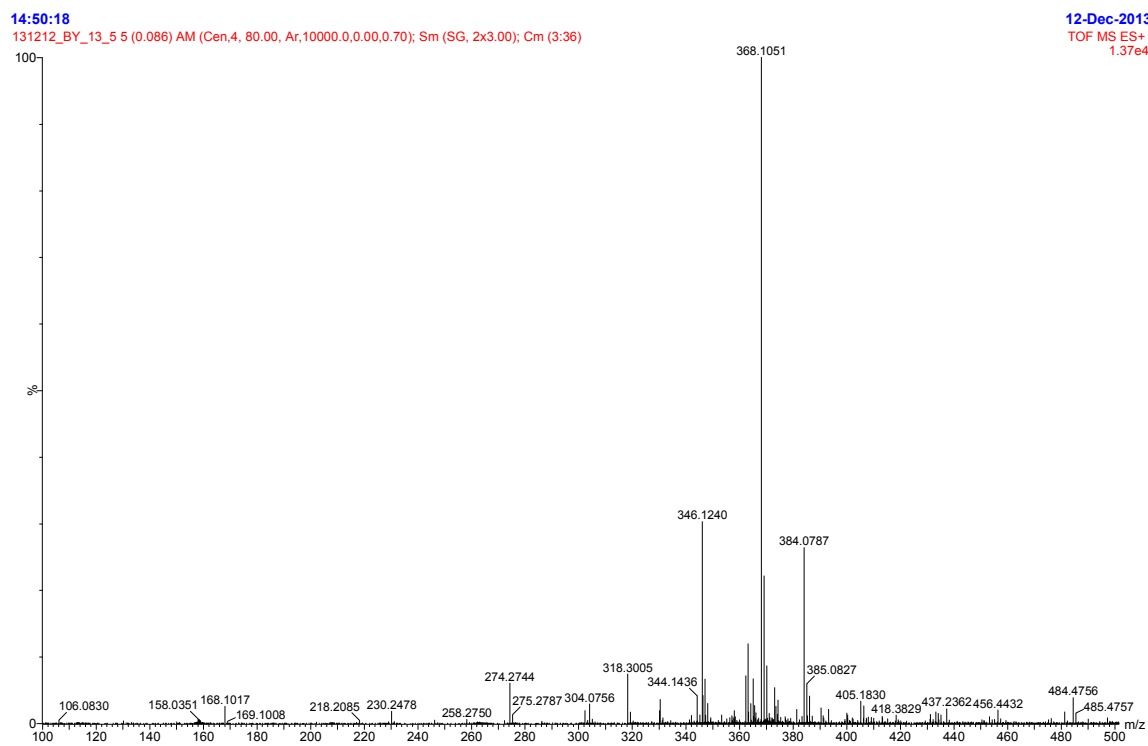
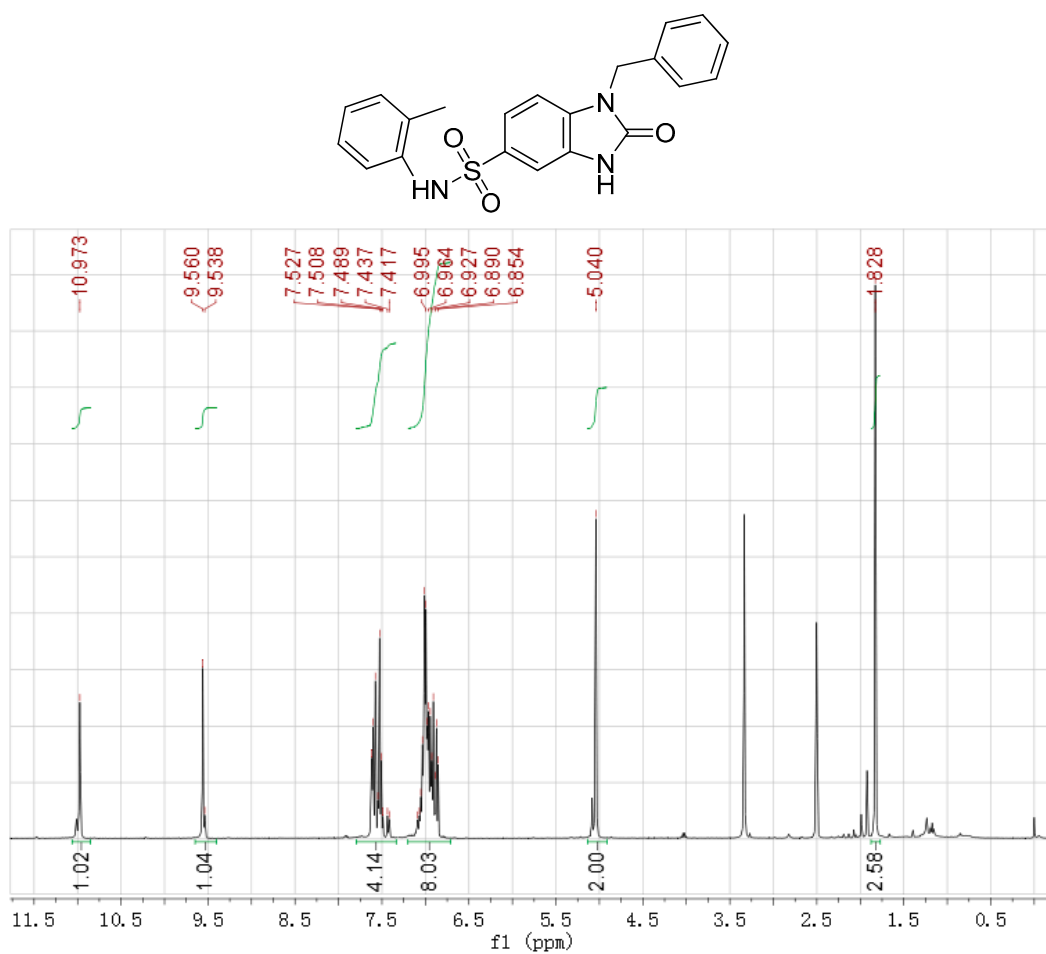
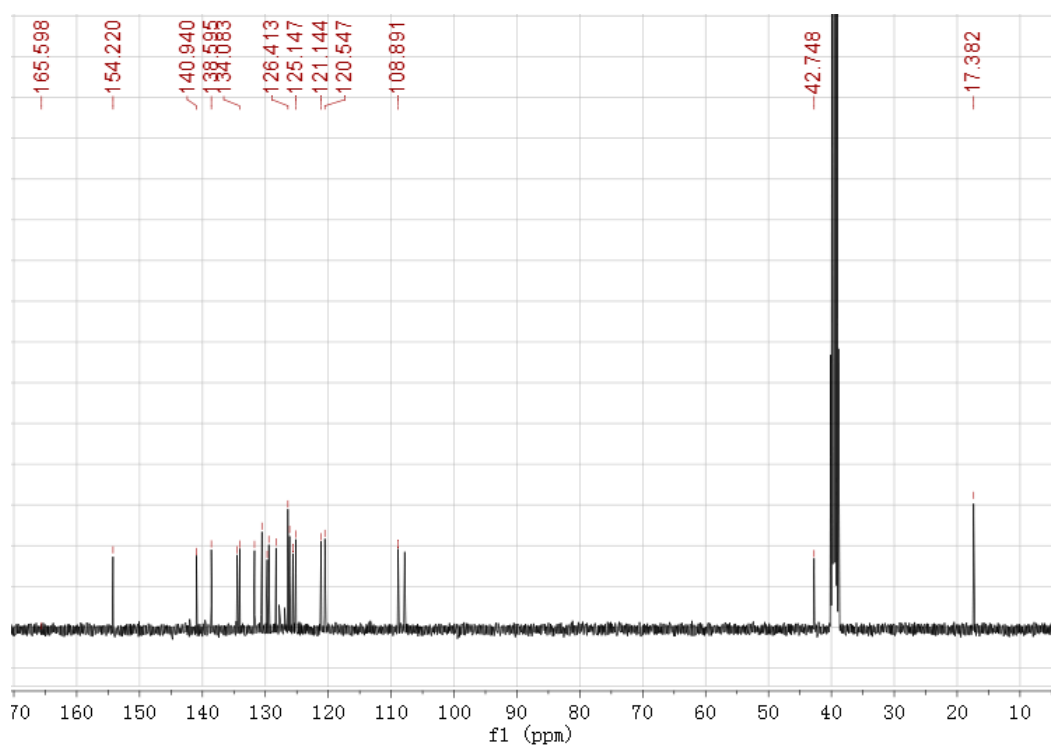
Figure S35. ¹³C-NMR spectrum of 5i.

Figure S36. HRMS (EI) spectrum of 5i.

Figure S37. ¹H-NMR spectrum of 5j.Figure S38. ¹³C-NMR spectrum of 5j.

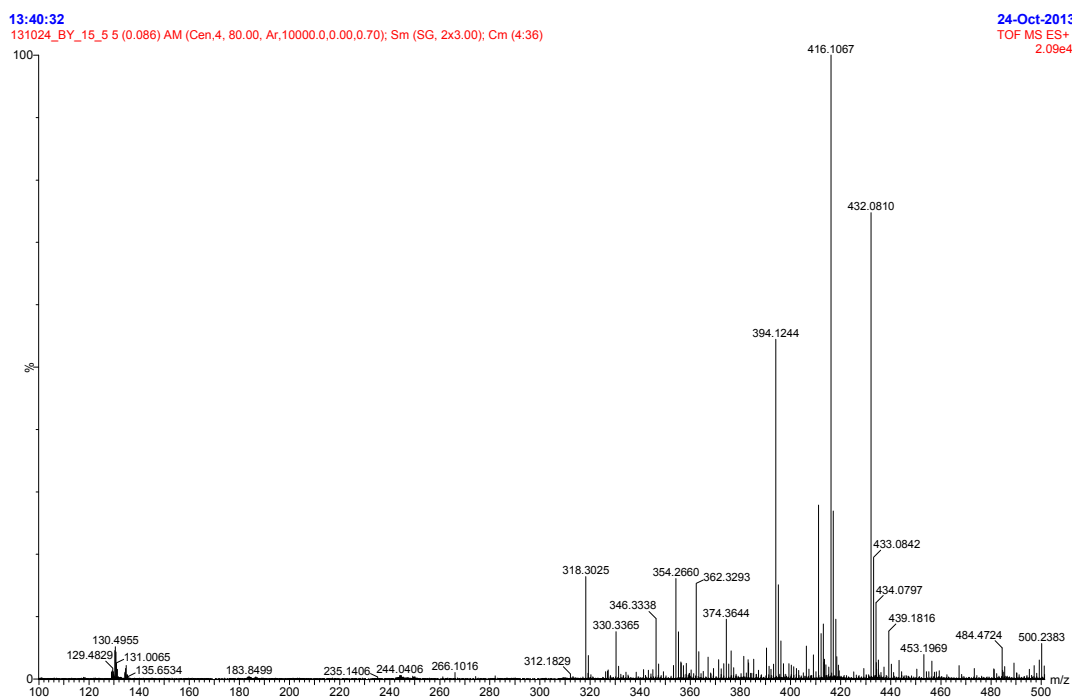
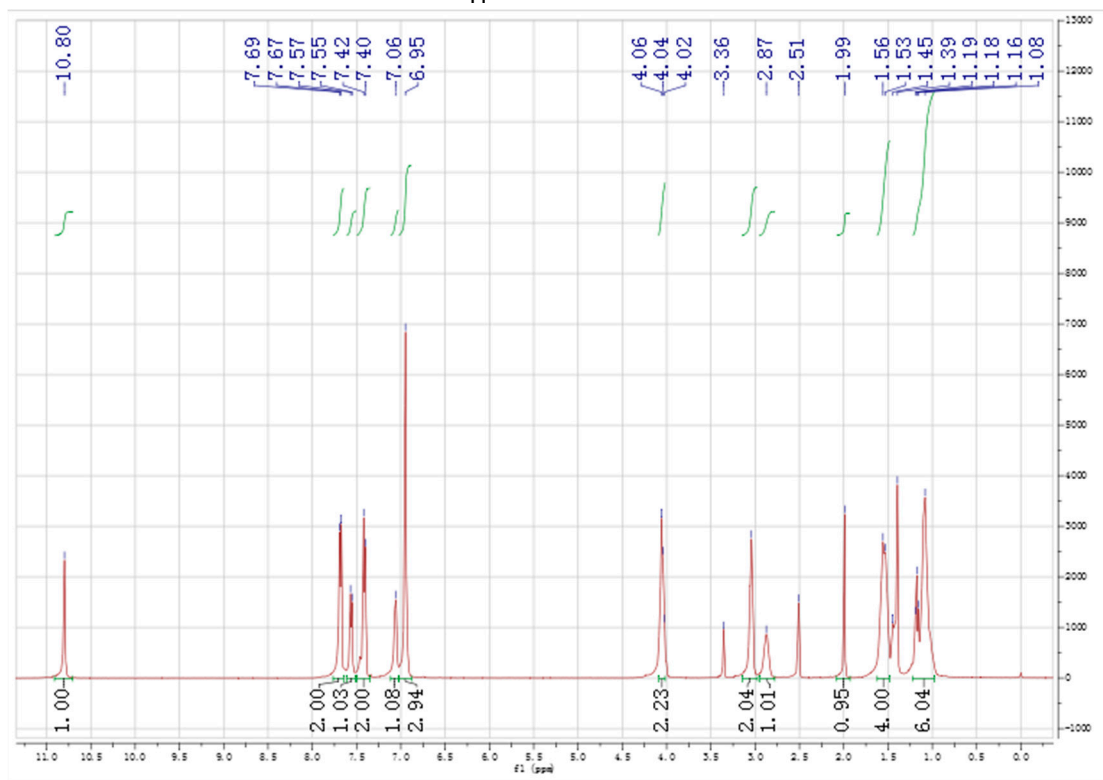
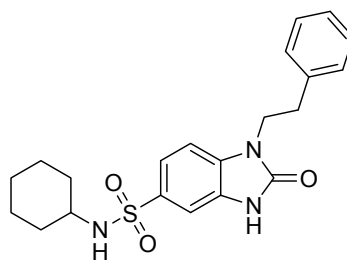


Figure S39. HRMS (EI) spectrum of 5j.

Figure S40. ¹H-NMR spectrum of 5k.

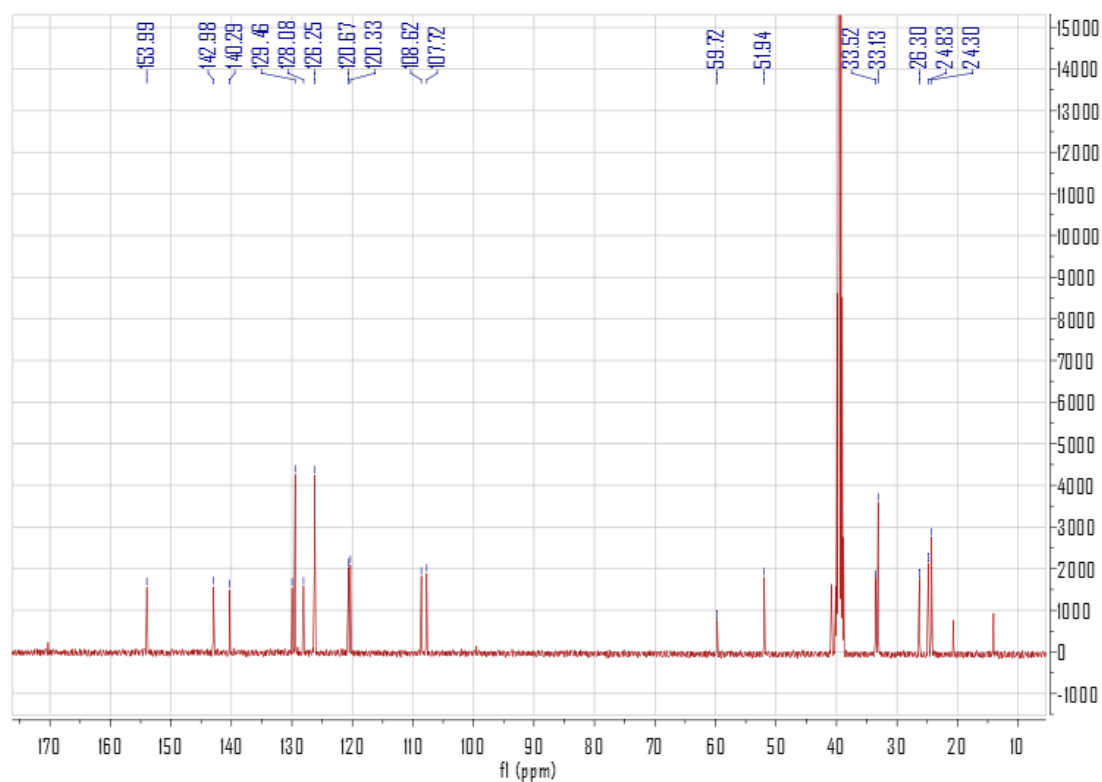
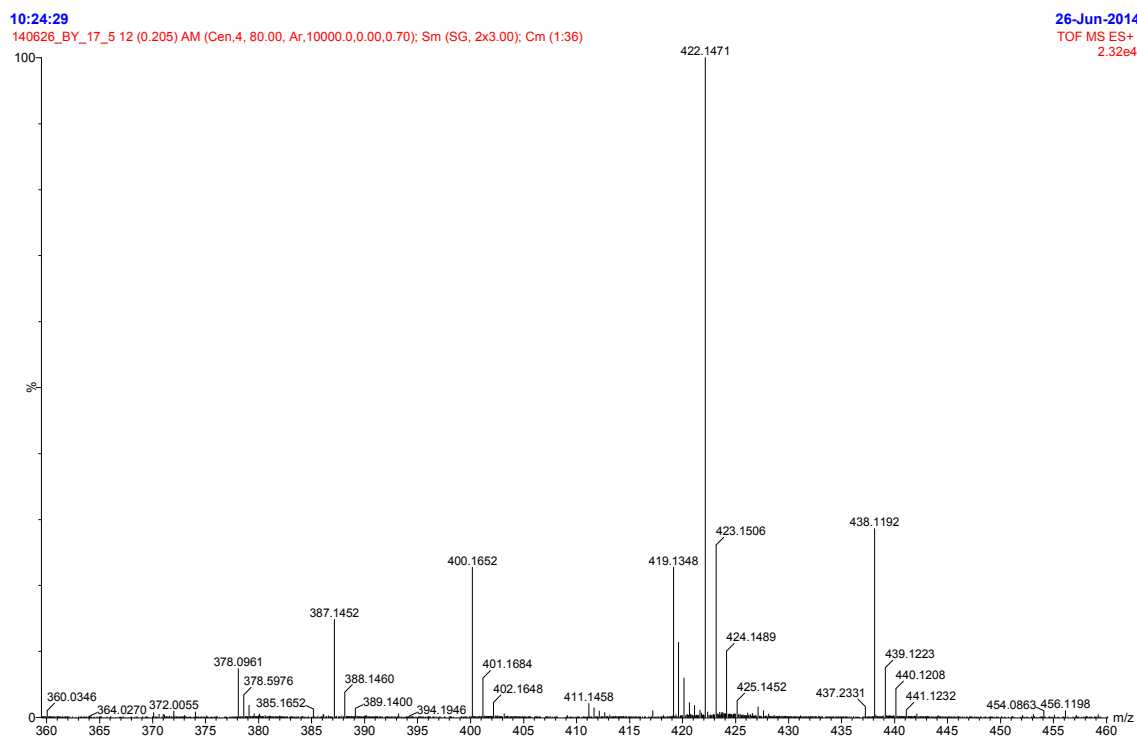
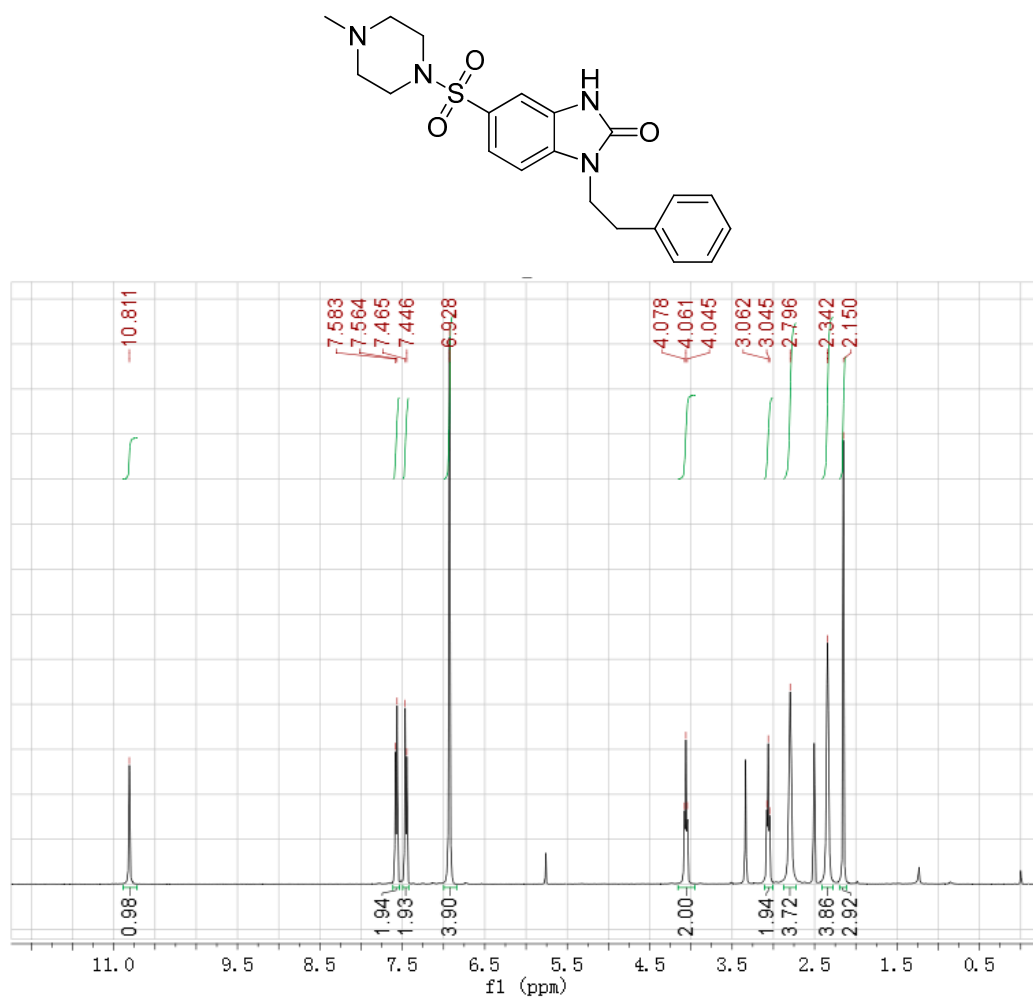
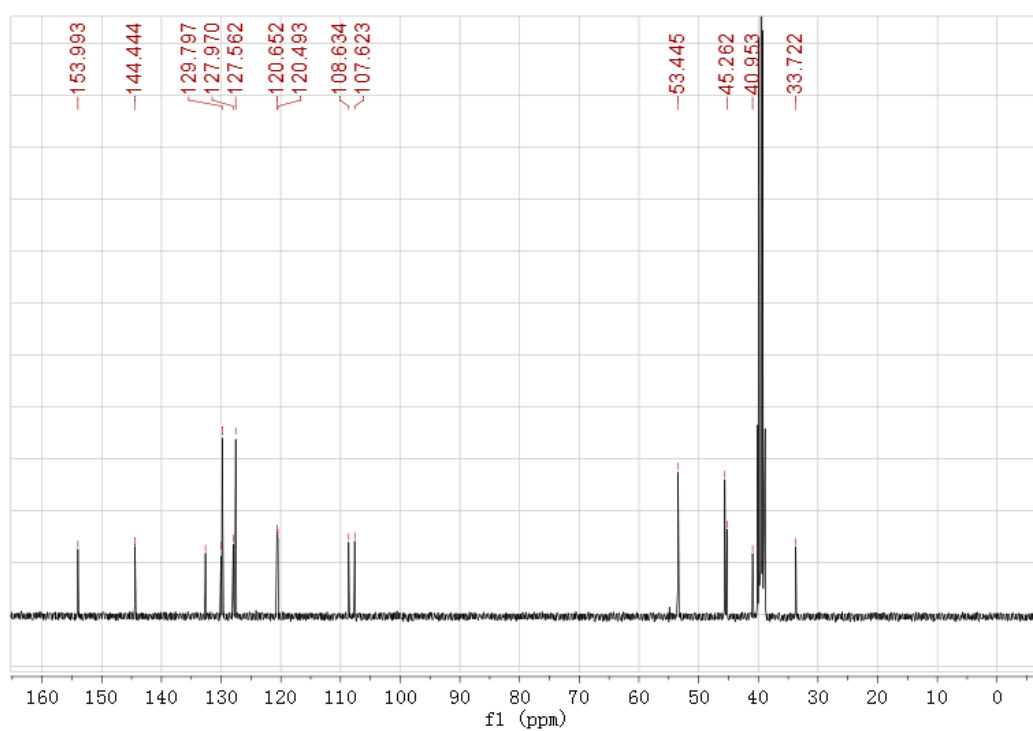
Figure S41. ¹³C-NMR spectrum of 5k.

Figure S42. HRMS (EI) spectrum of 5k.

Figure S43. ¹H-NMR spectrum of 51.Figure S44. ¹³C-NMR spectrum of 51.

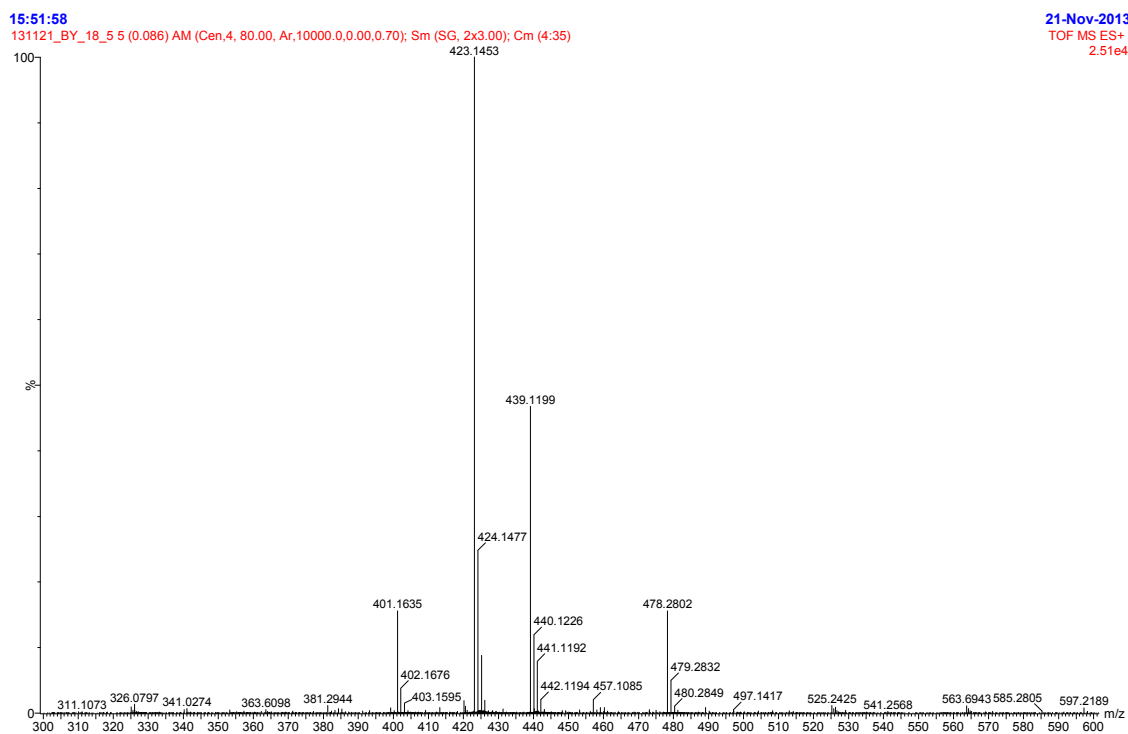
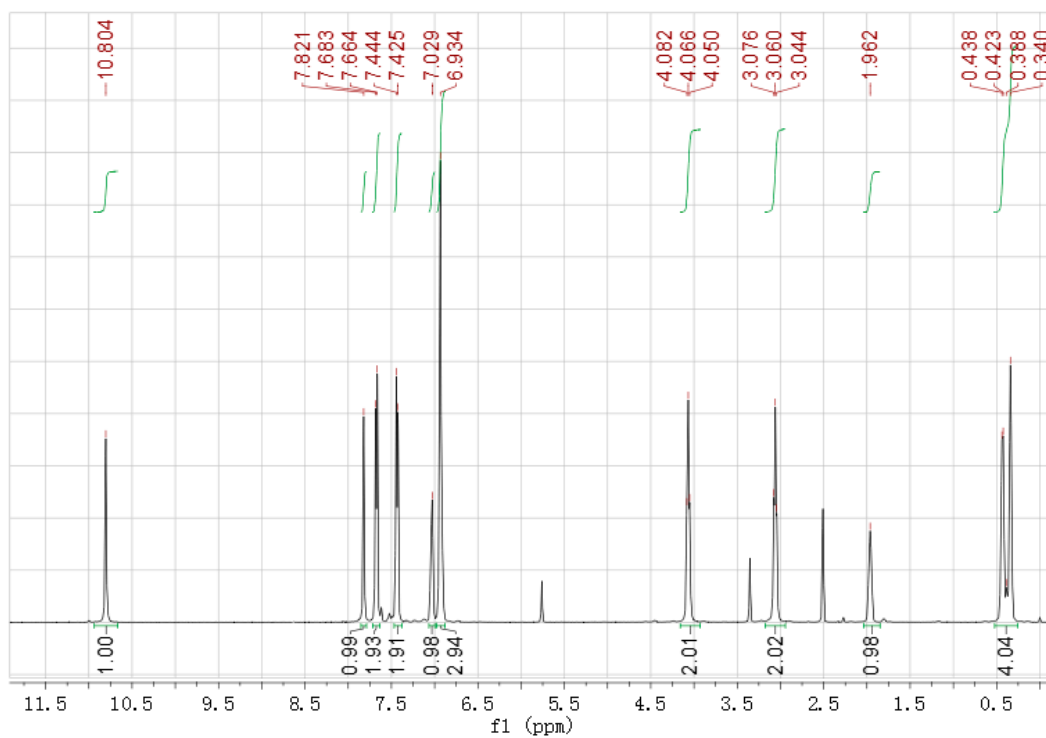
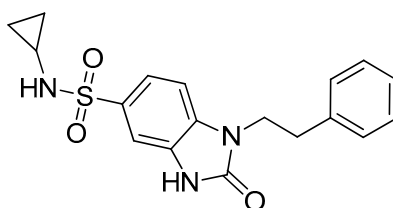


Figure S45. HRMS (EI) spectrum of 5l.

Figure S46. ¹H-NMR spectrum of 5m.

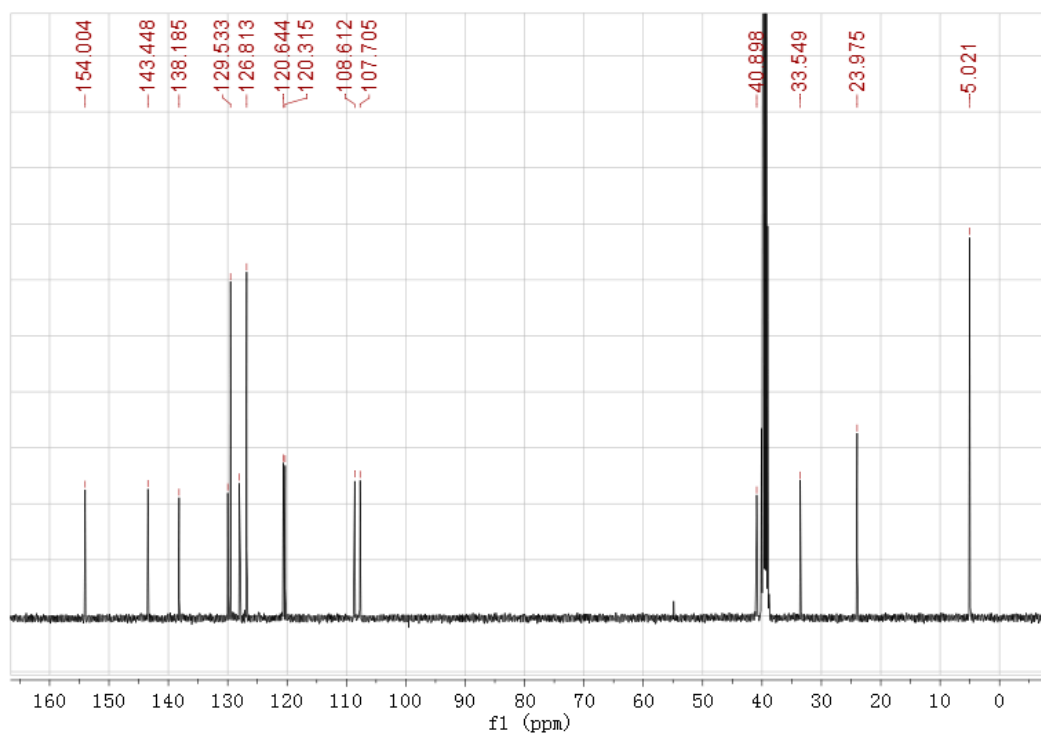
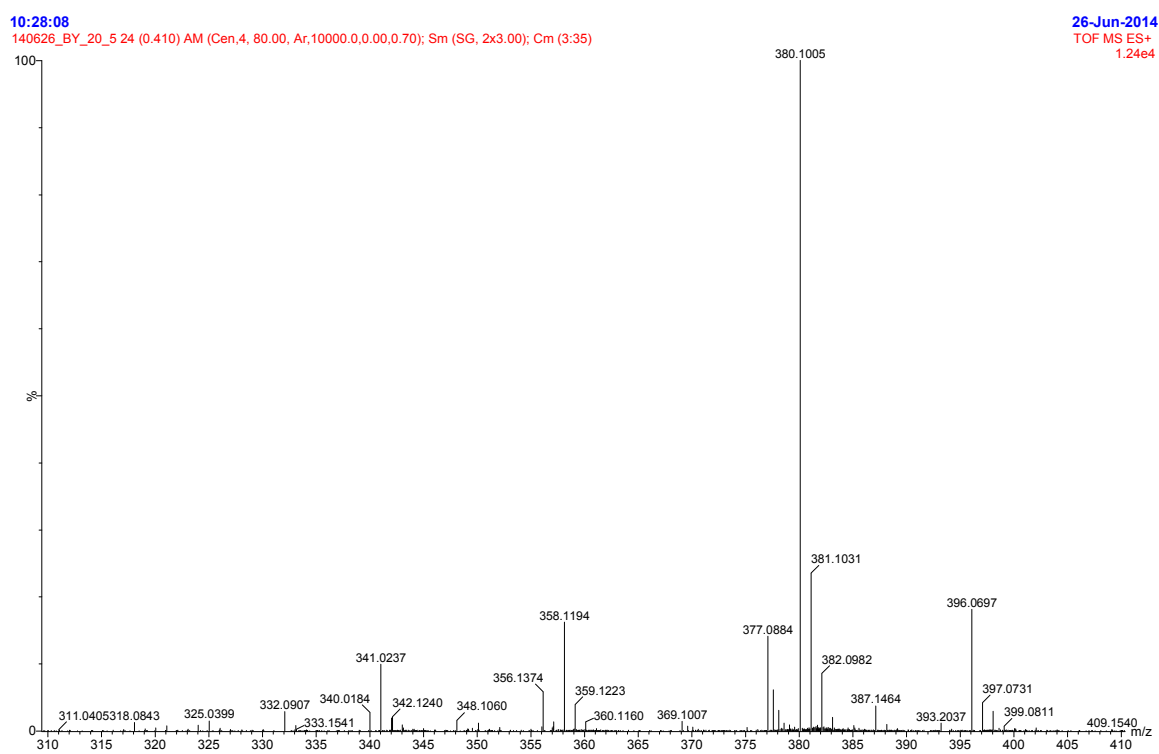
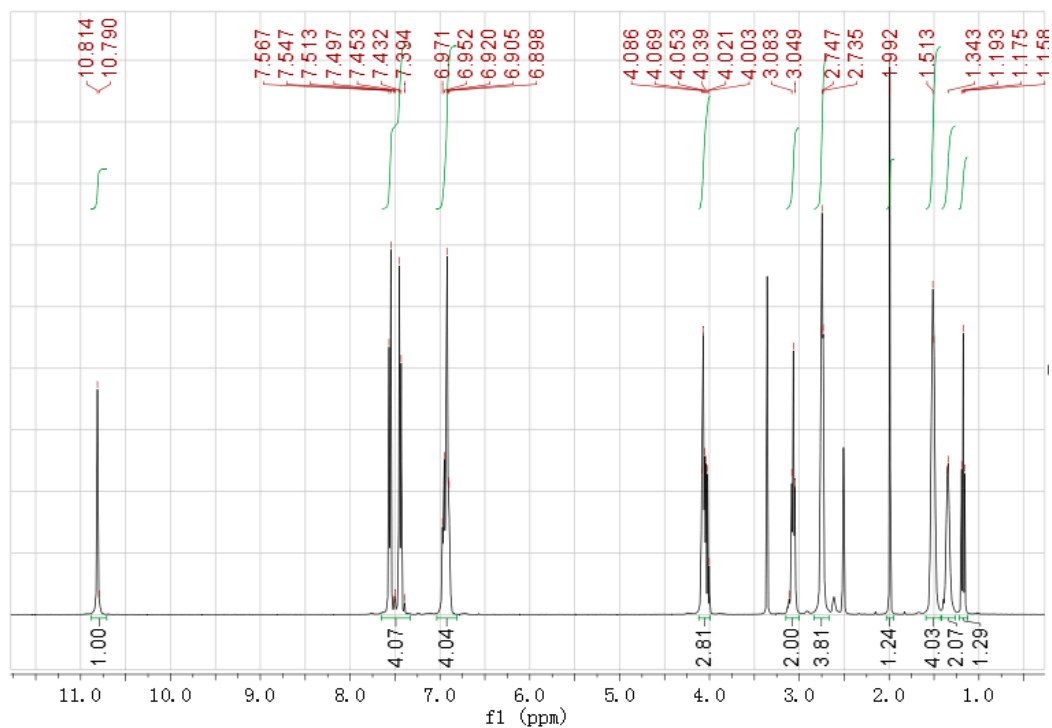
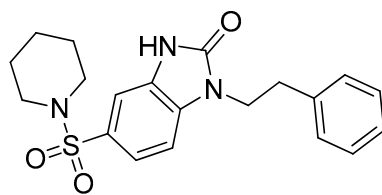
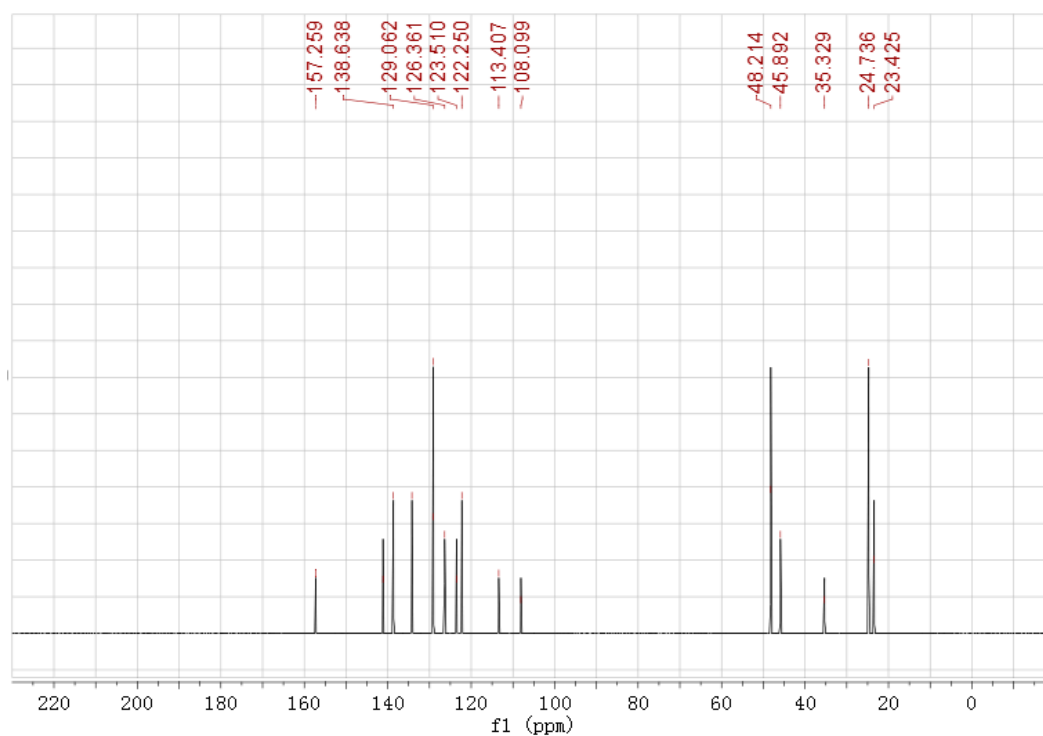
Figure S47. ¹³C-NMR spectrum of 5m.

Figure S48. HRMS (EI) spectrum of 5m.

Figure S49. ¹H-NMR spectrum of 5n.Figure S50. ¹³C-NMR spectrum of 5n.

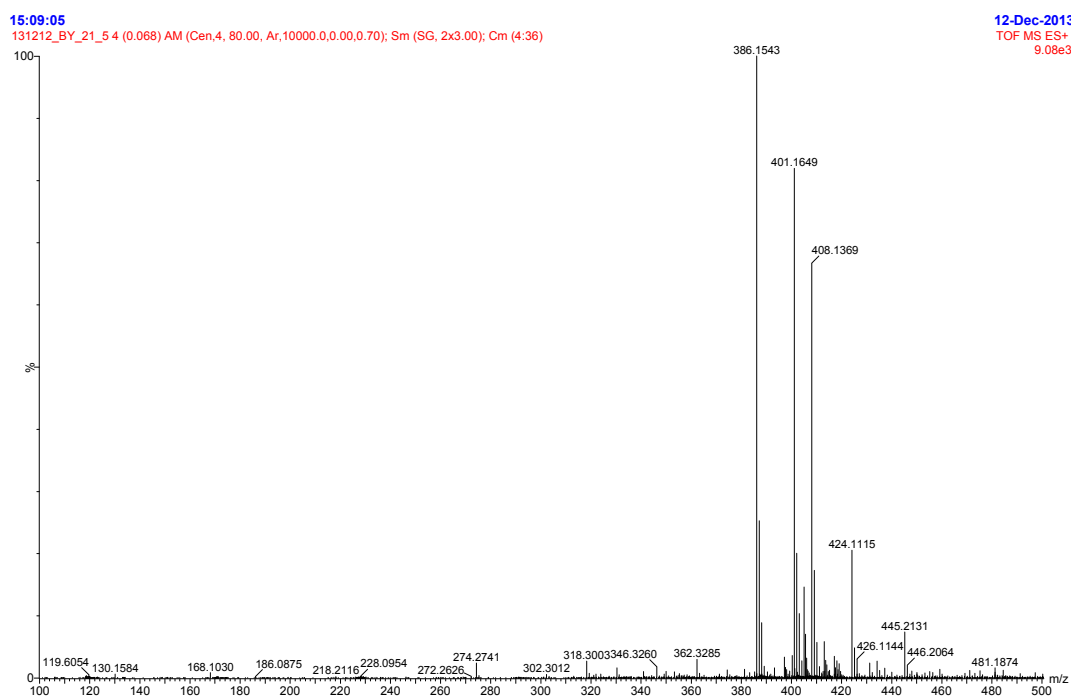
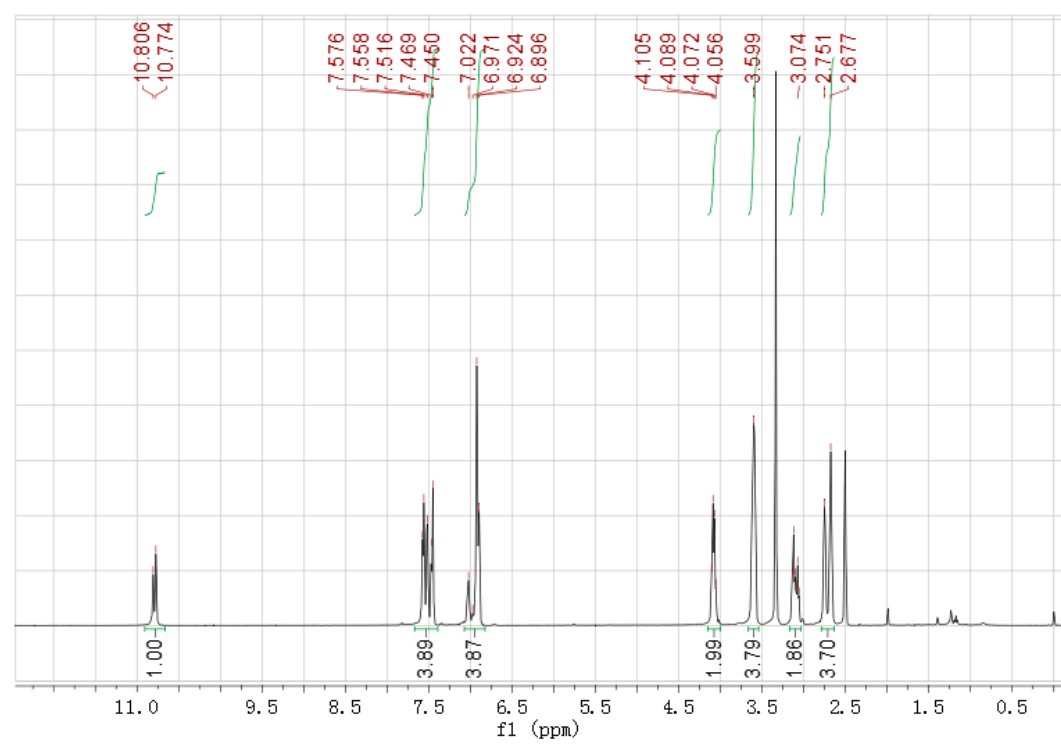
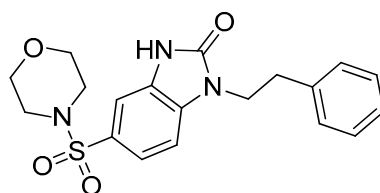


Figure S51. HRMS (EI) spectrum of 5n.

Figure S52. ¹H-NMR spectrum of 5o.

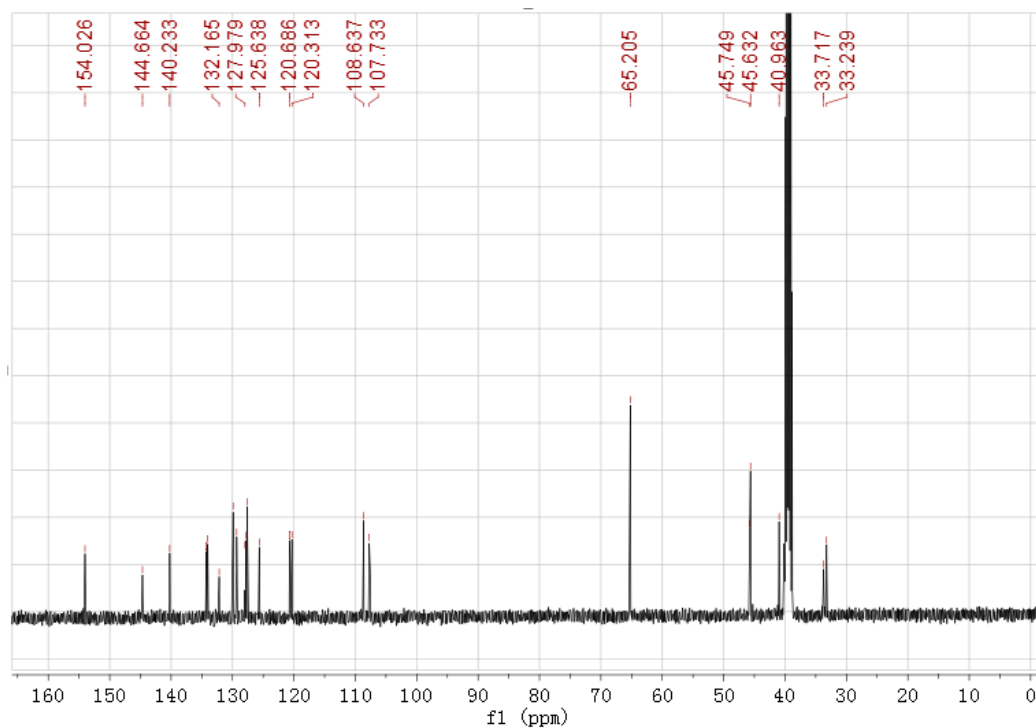
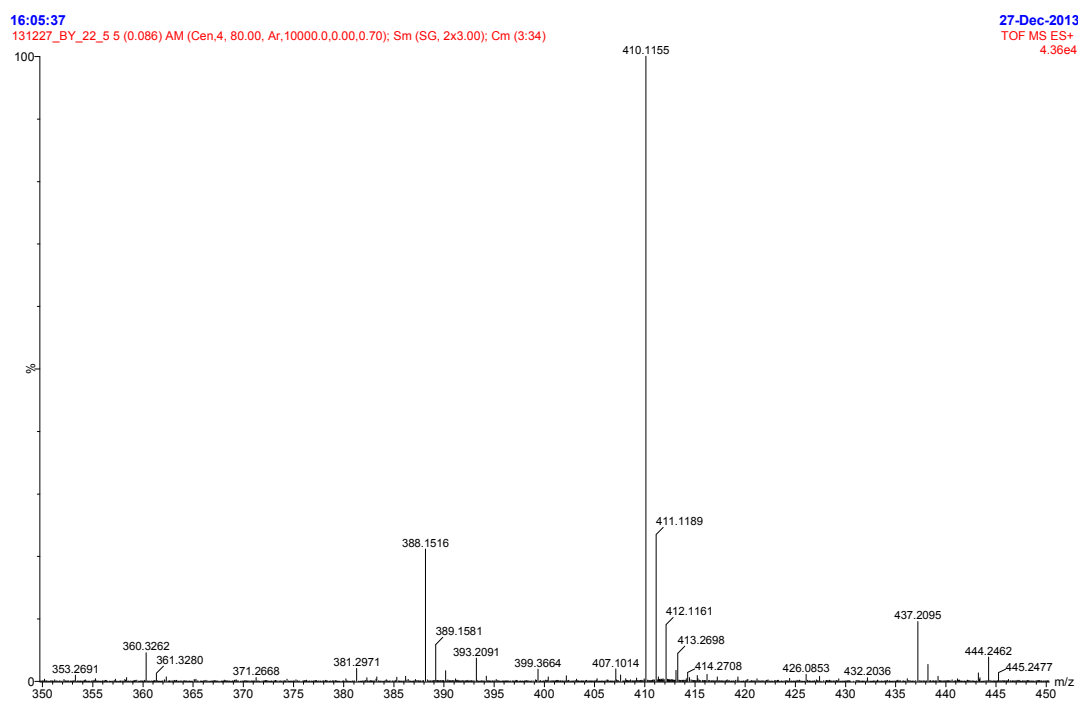
Figure S53. ¹³C-NMR spectrum of 5o.

Figure S54. HRMS (EI) spectrum of 5o.