

Supporting Information for

Synthesis of β -Aminoacrylated Betulin Derivatives by Spontaneous Amino-Yne Reaction for Antifungal Application

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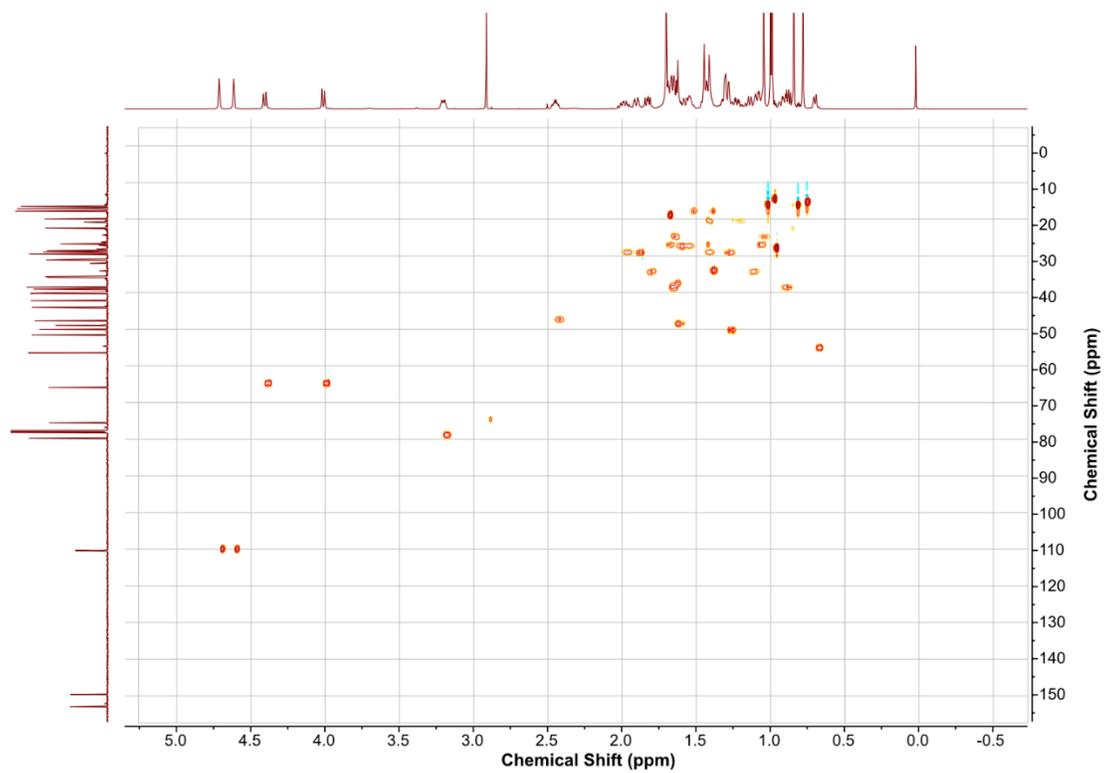


Fig. S1. HSQC spectrum of compound **2**.

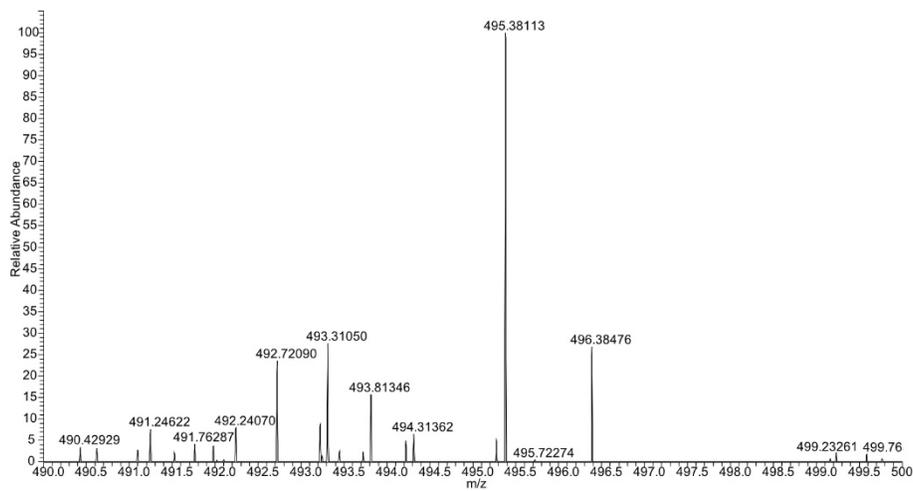


Fig. S2. HR-MS of compound **2**.

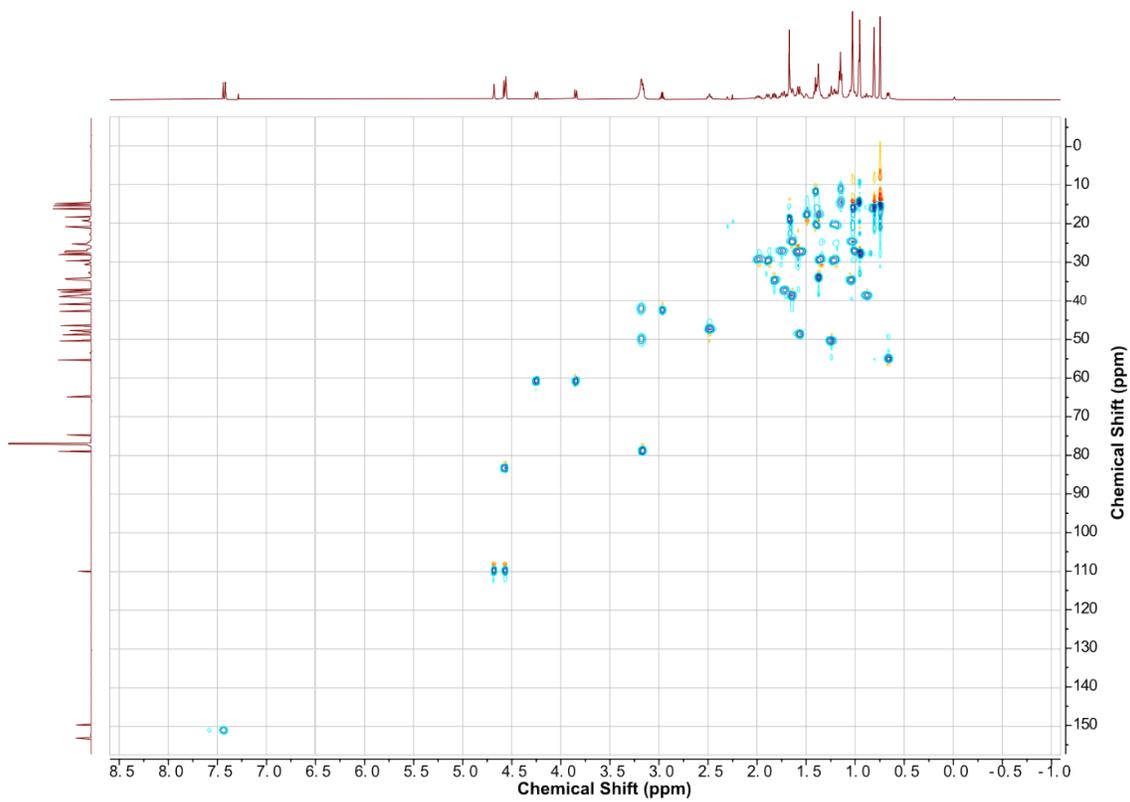


Fig. S3. HSQC spectrum of compound 3.

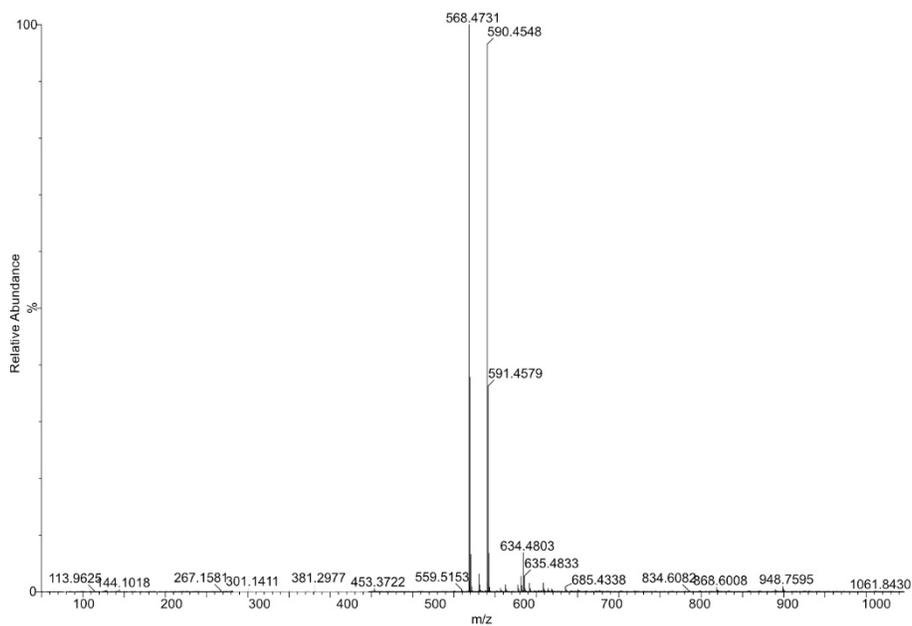


Fig. S4. HR-MS of compound 3.

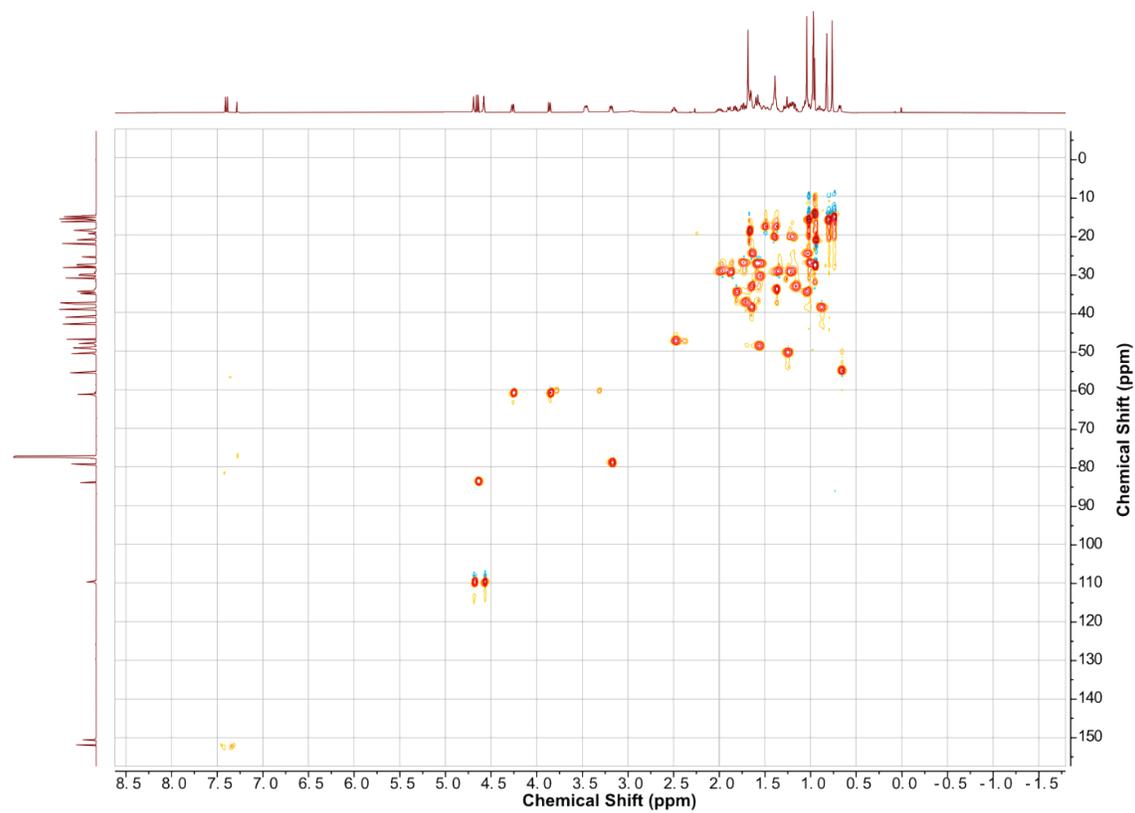


Fig. S7 HSQC spectrum of compound **4**.

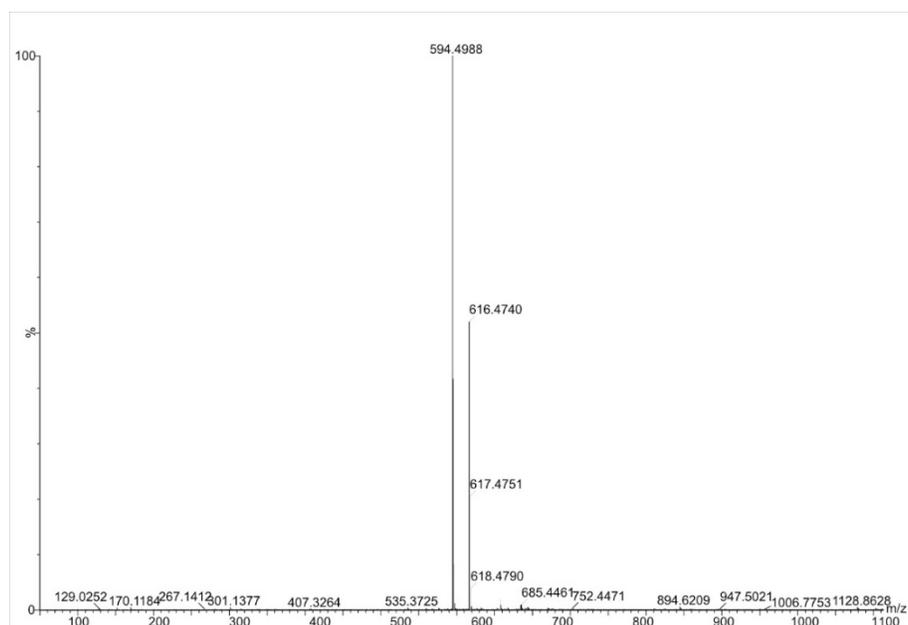


Fig. S8. HR-MS of compound **4**.

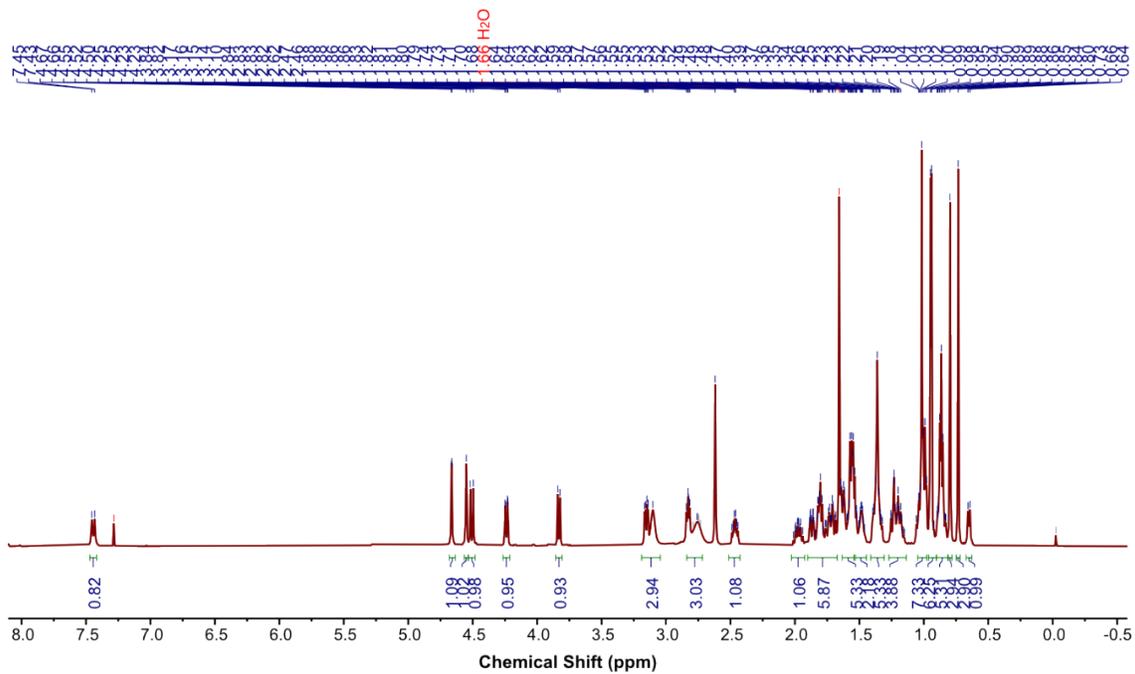


Fig. S9. ¹H NMR of compound 5.

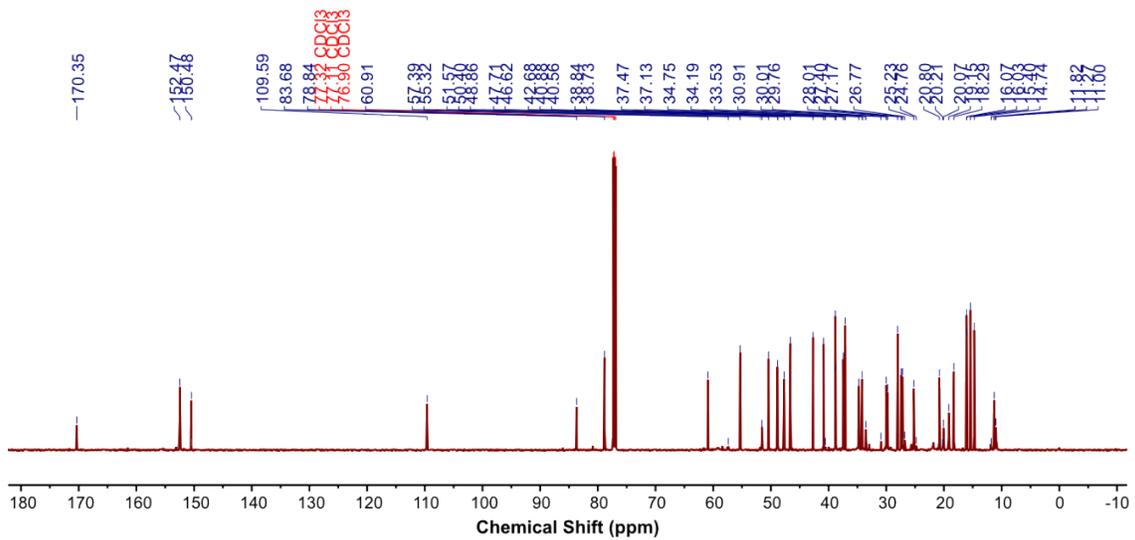


Fig. S10. ¹³C NMR of compound 5.

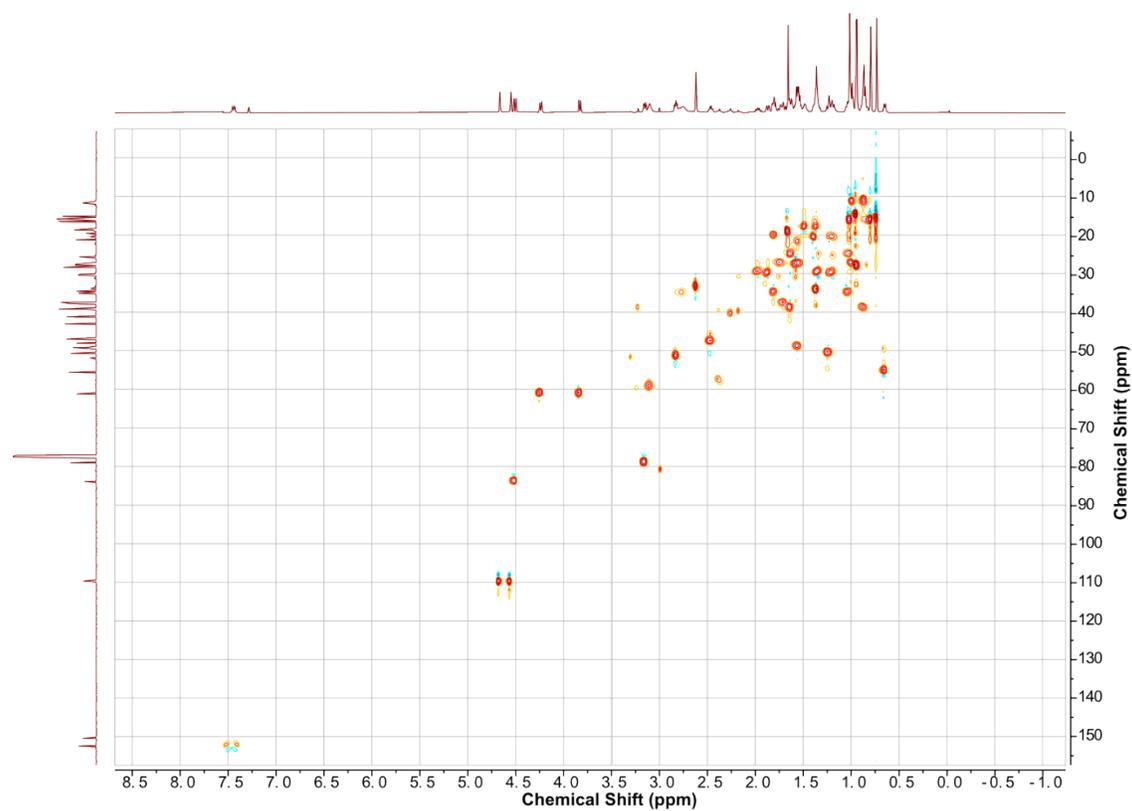


Fig. S11. HSQC spectrum of compound **5**.

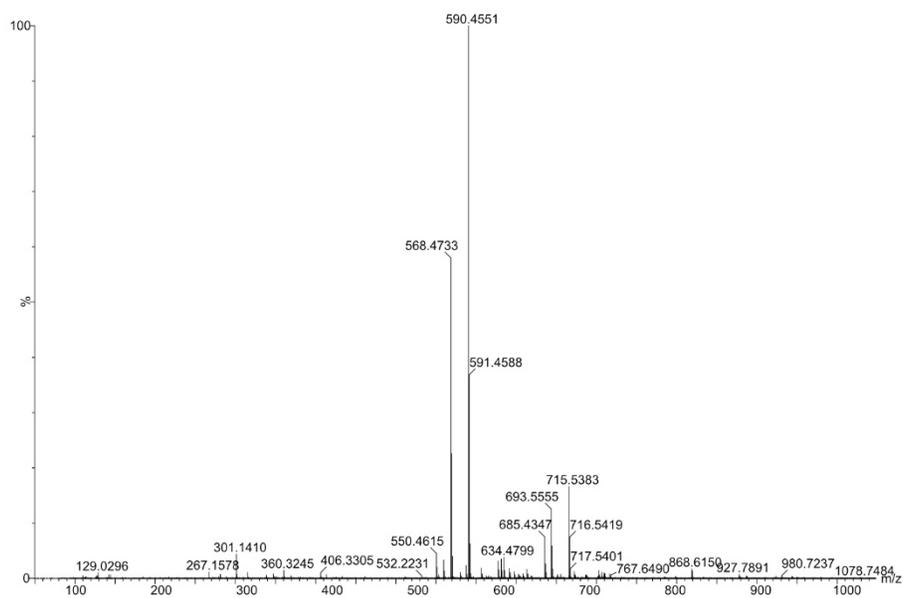


Fig. S12. HR-MS of compound **5**.

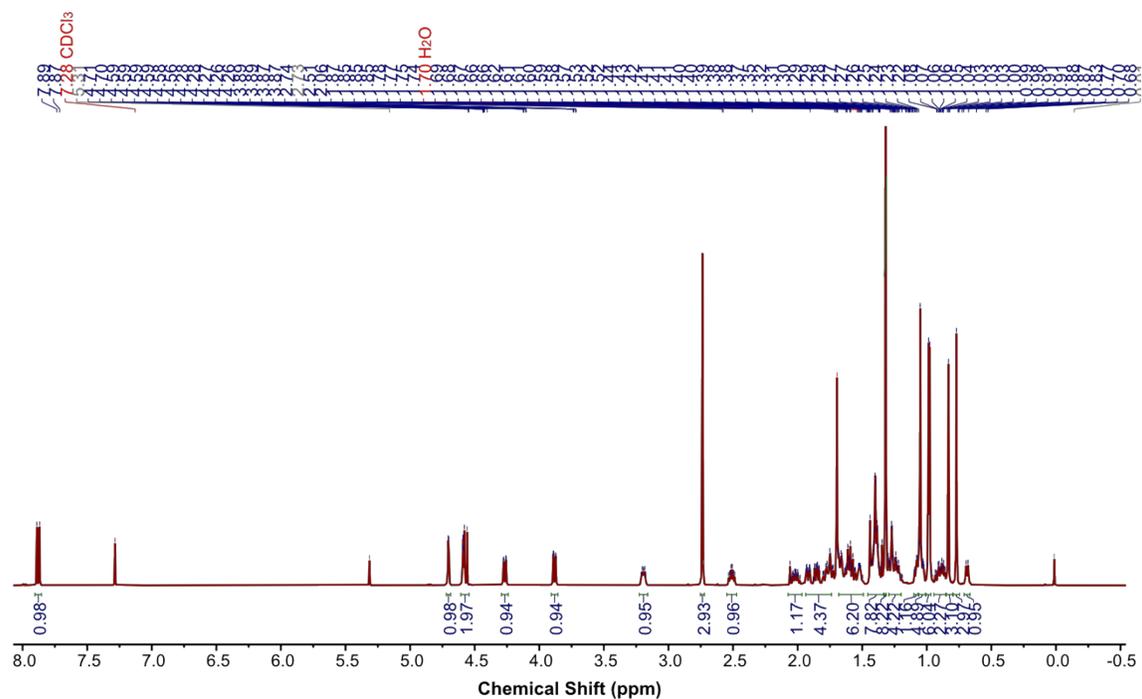


Fig. S13. ^1H NMR of compound 6.

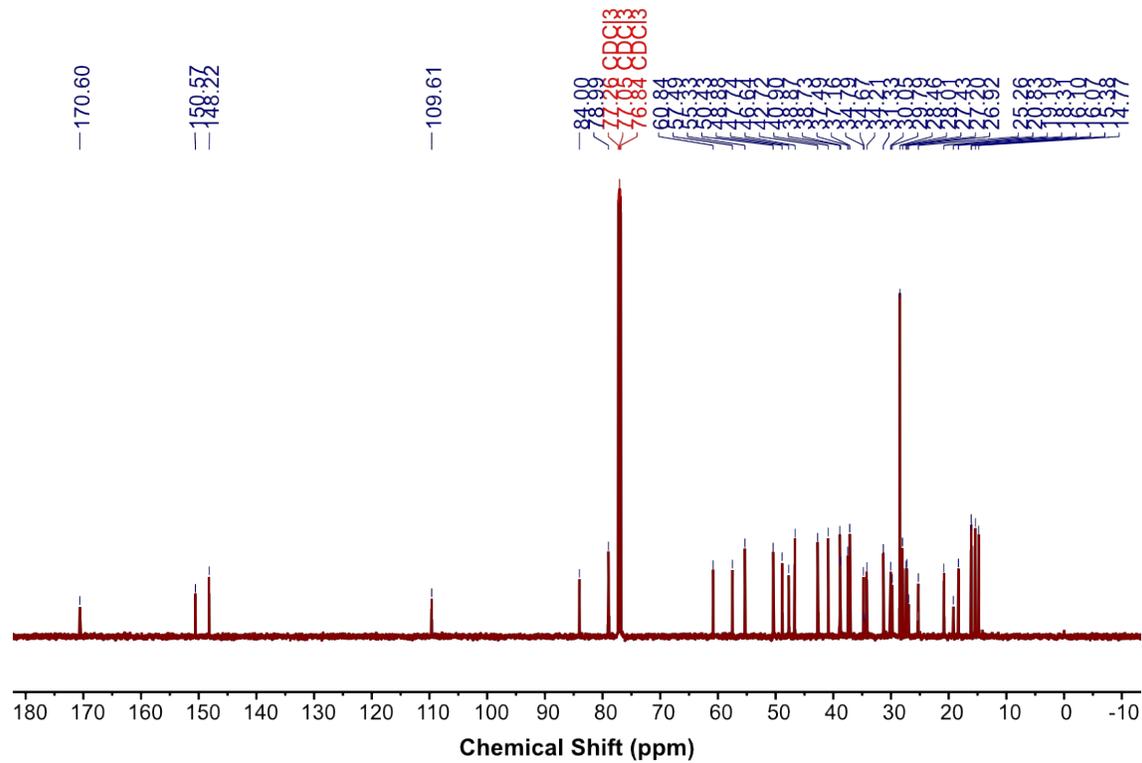


Fig. S14. ^{13}C NMR of compound 6.

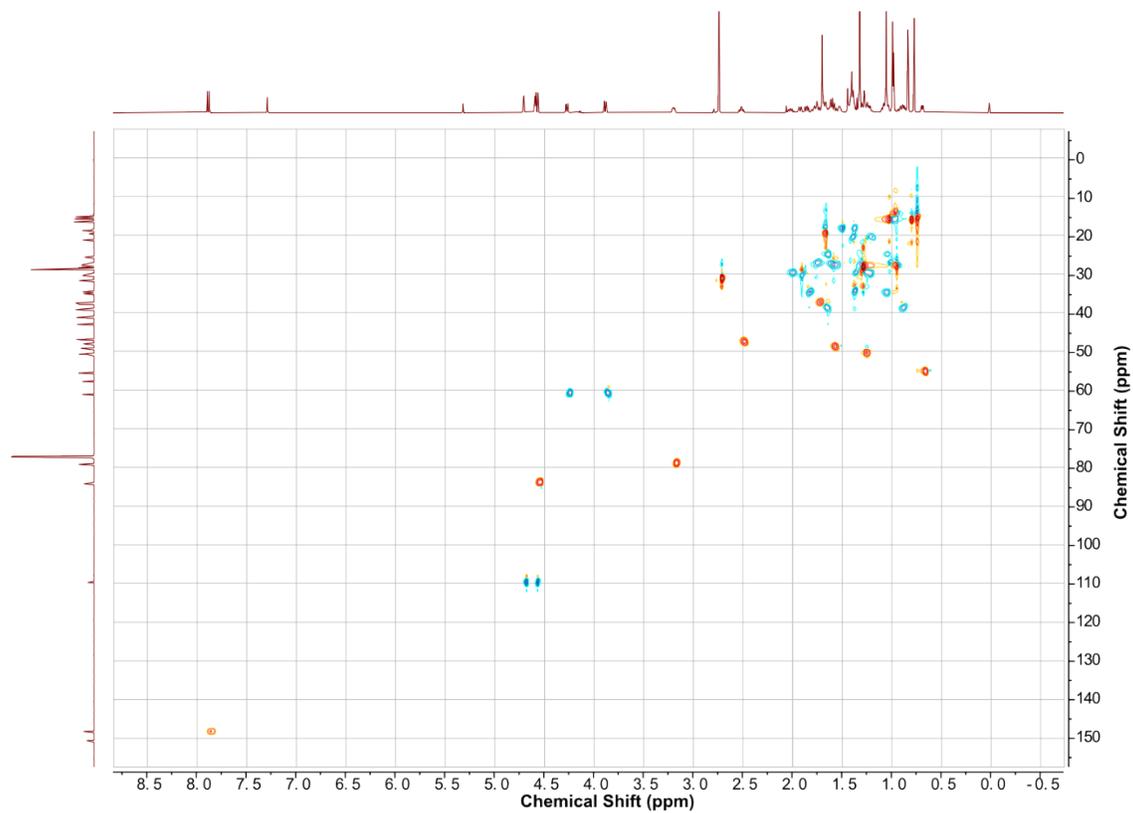


Fig. S15. HSQC spectrum of compound **6**.

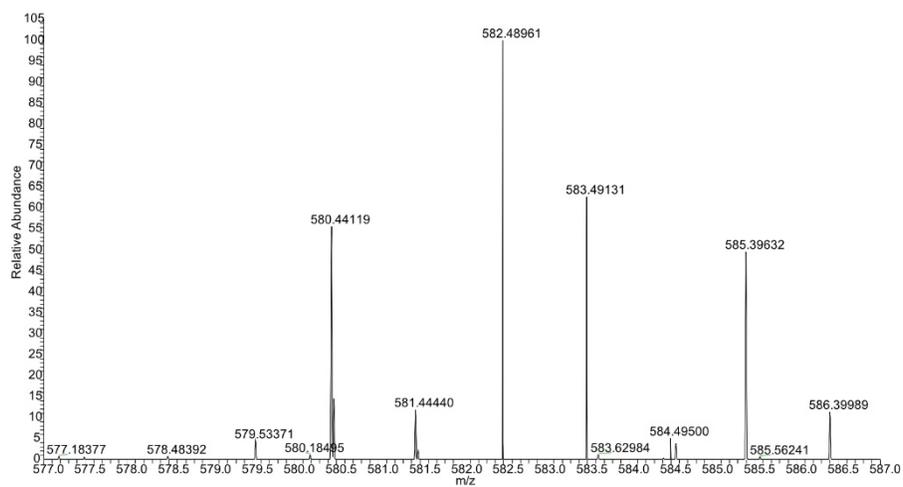


Fig. S16. HR-MS of compound **6**.

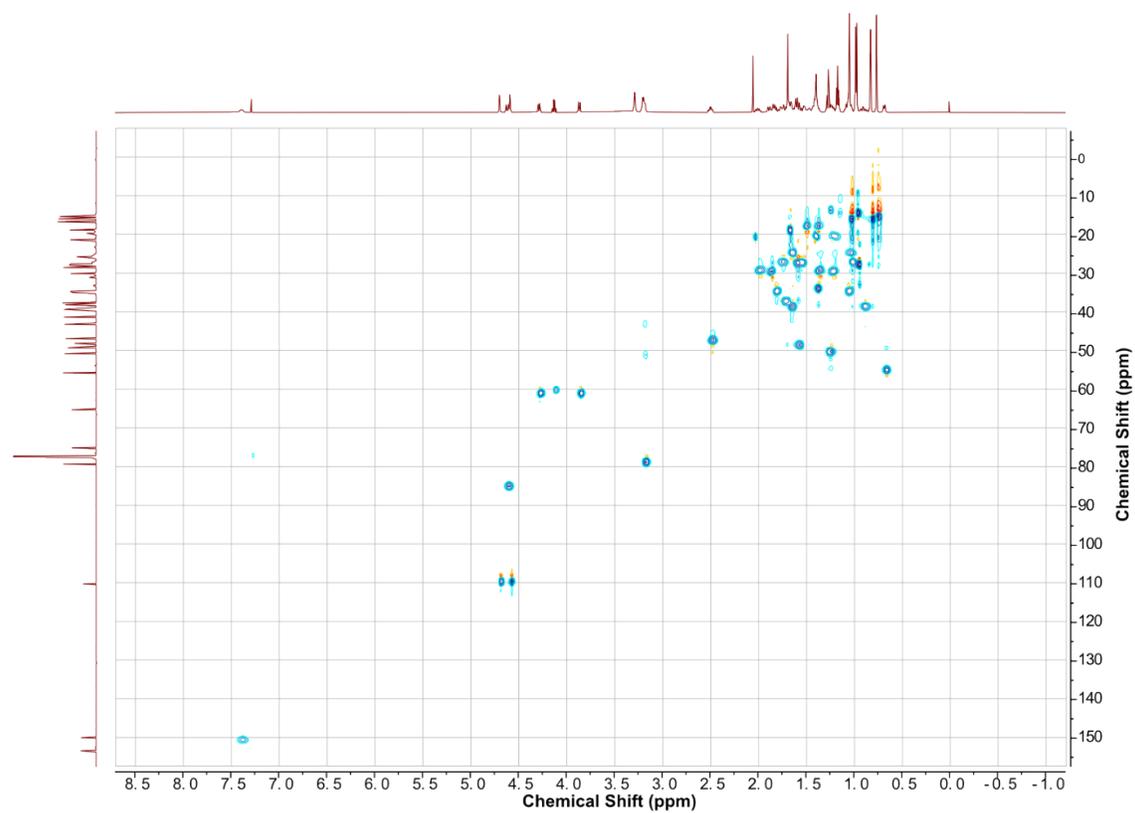


Fig. S17. HSQC spectrum of compound 7.

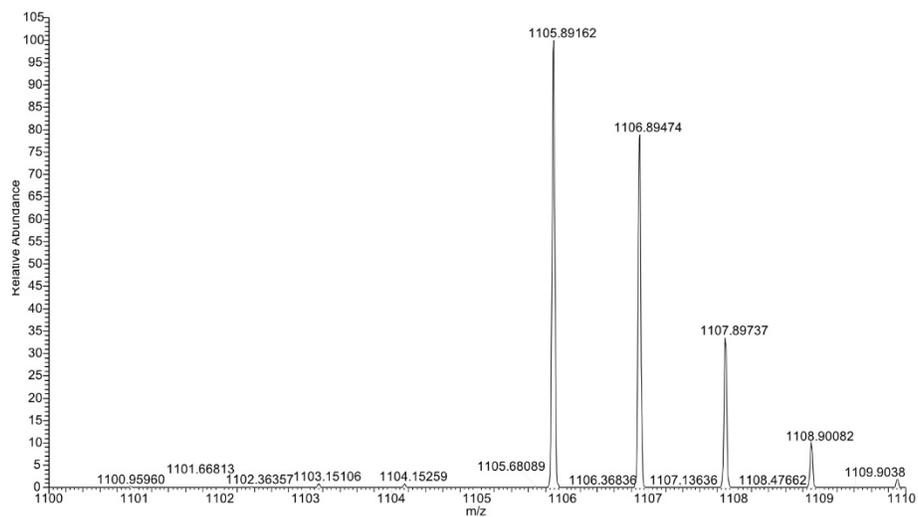


Fig. S18. HR-MS of compound 7.

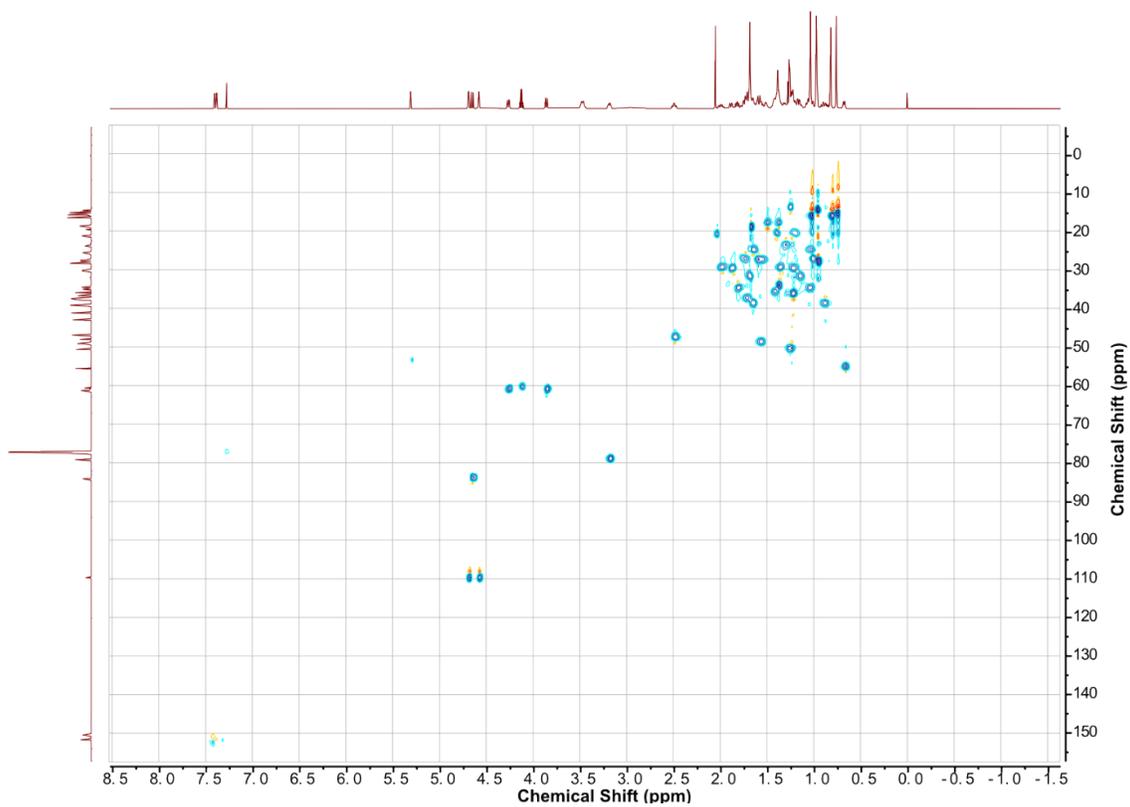


Fig. S21. HSQC spectrum of compound **8**.

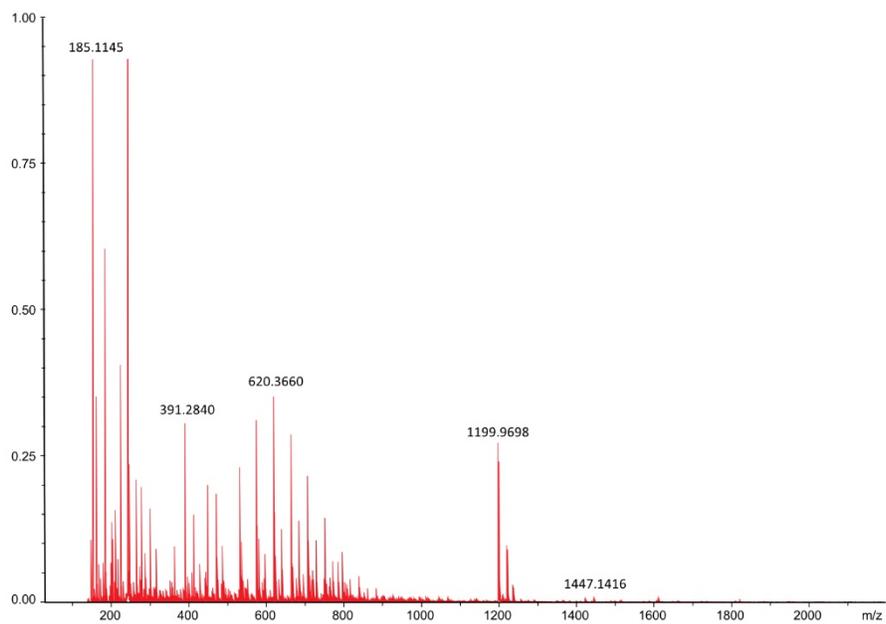


Fig. S22. HR-MS of compound **8**.

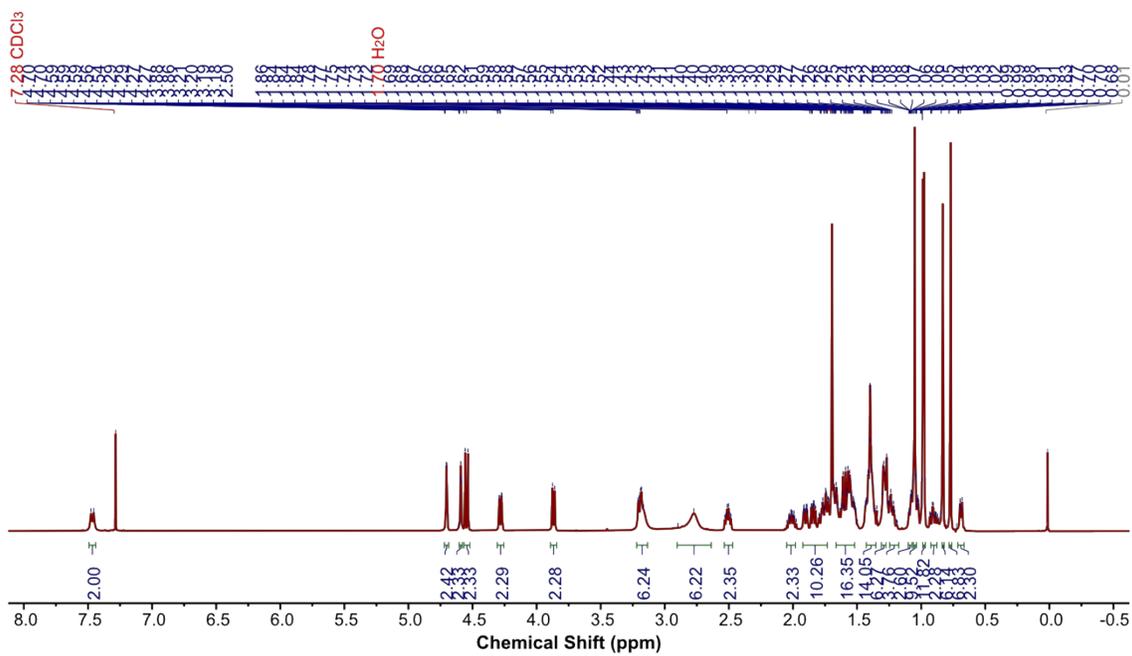


Fig. S23. ¹H NMR of compound 9.

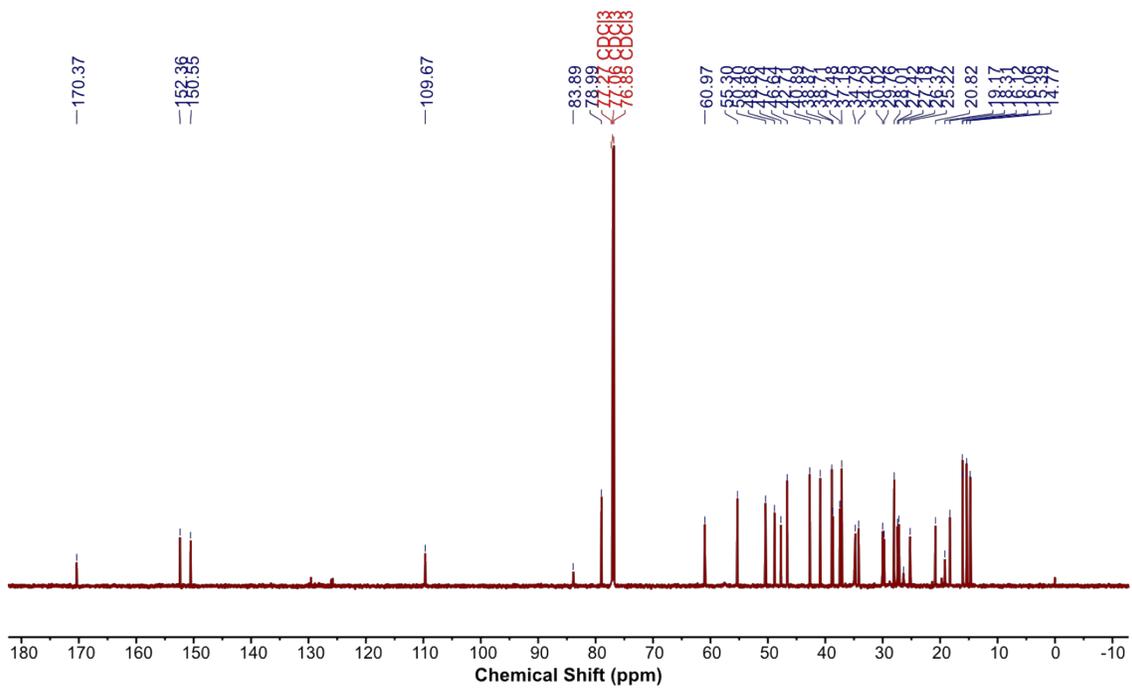


Fig. S24. ¹³C NMR of compound 9.

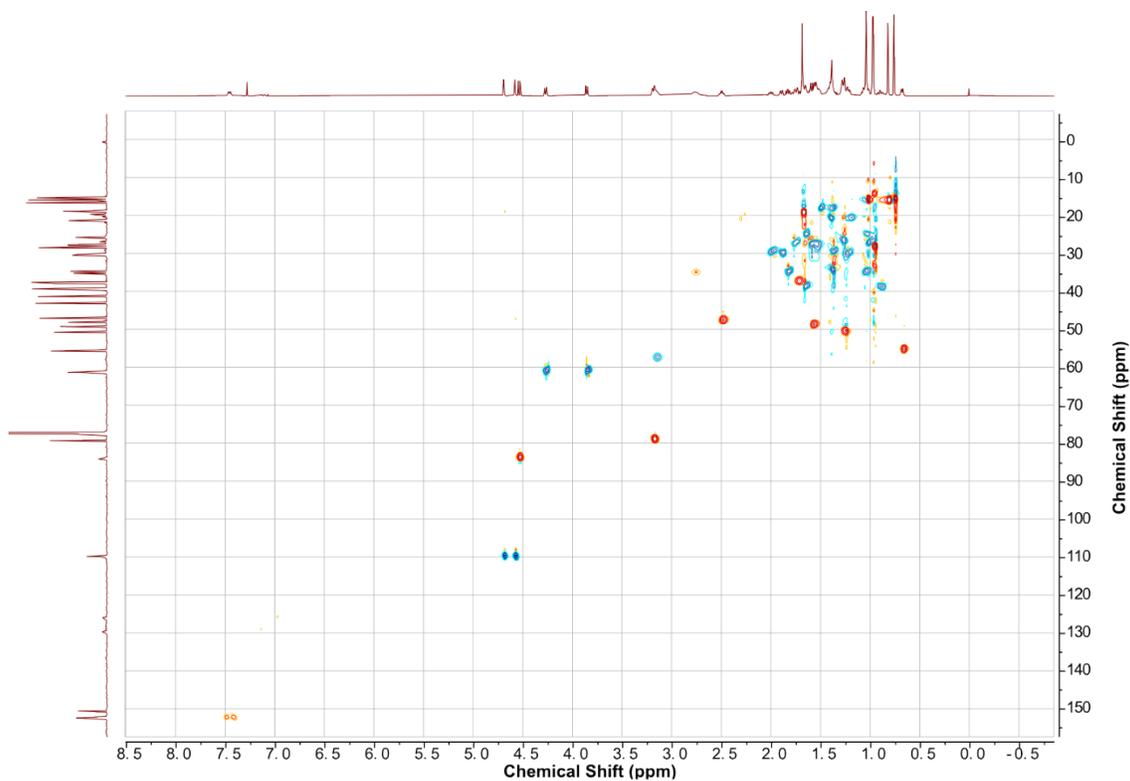


Fig. S25. HSQC spectrum of compound 9.

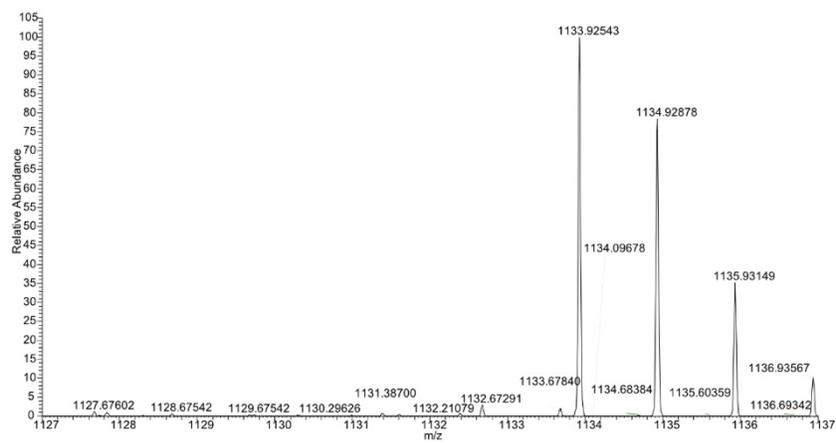


Fig. S26. HR-MS of compound 9.

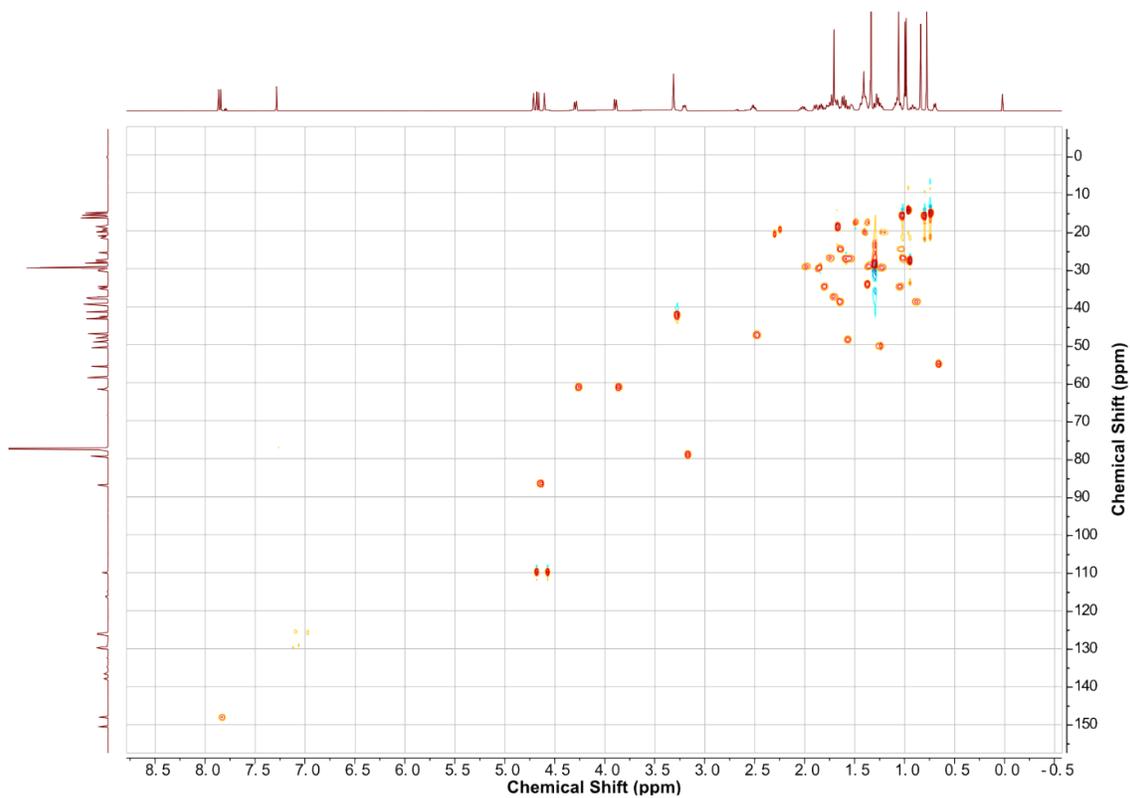


Fig. S29. HSQC spectrum of compound **10**.

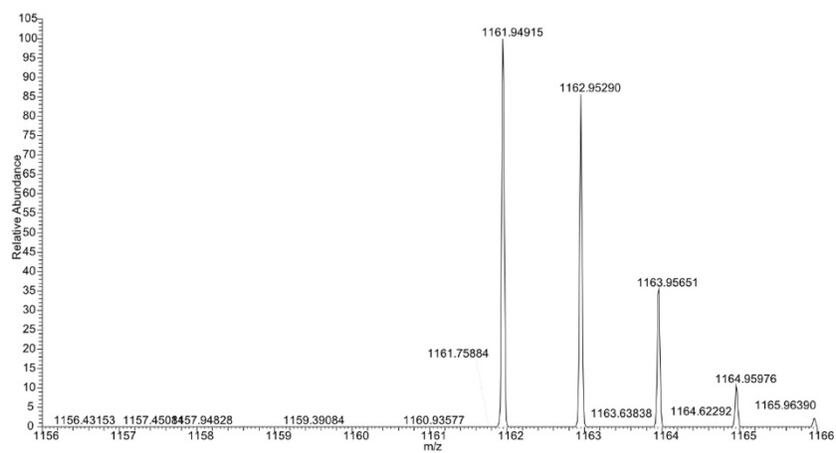


Fig. S30. HR-MS of compound **10**.

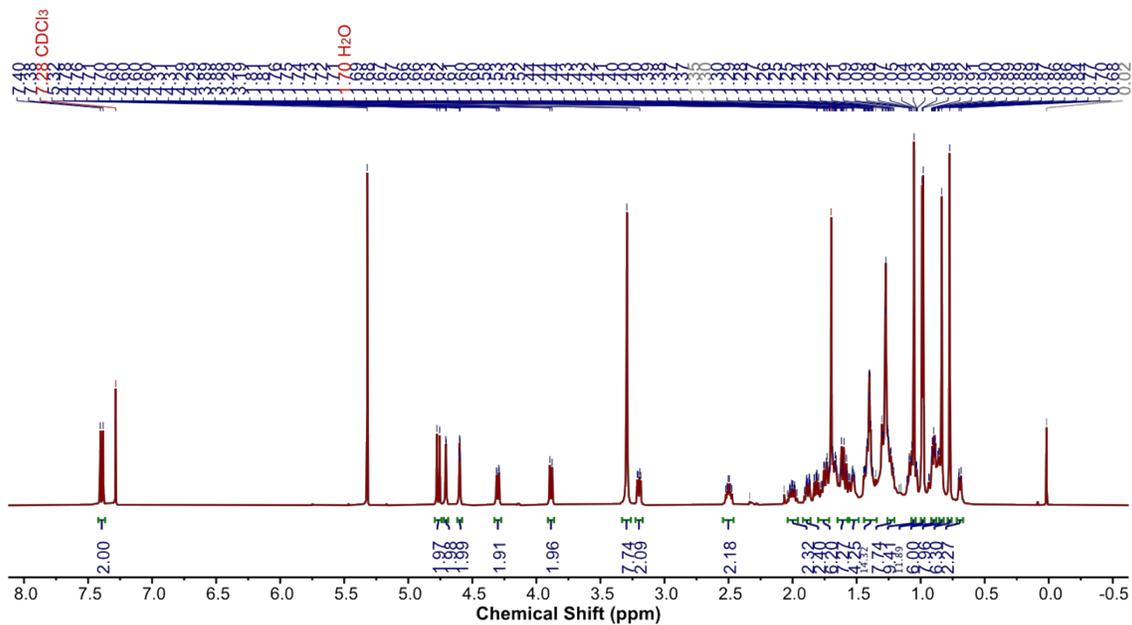


Fig. S31. ^1H NMR of compound 11.

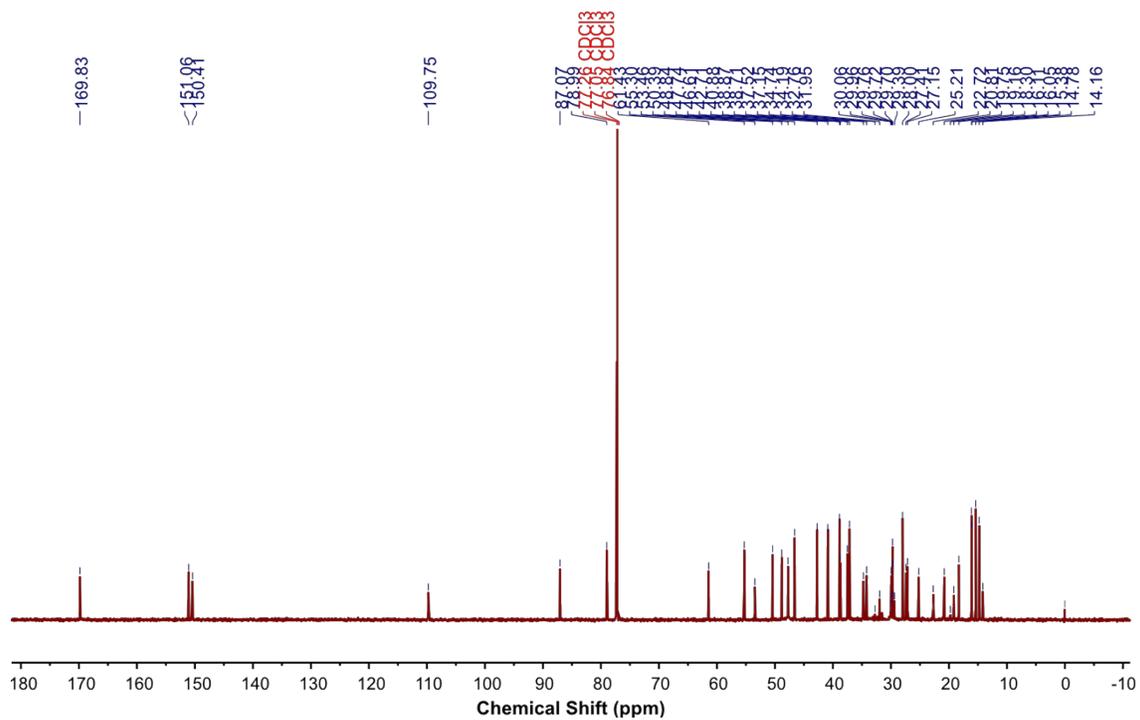


Fig. S32. ^{13}C NMR of compound 11.

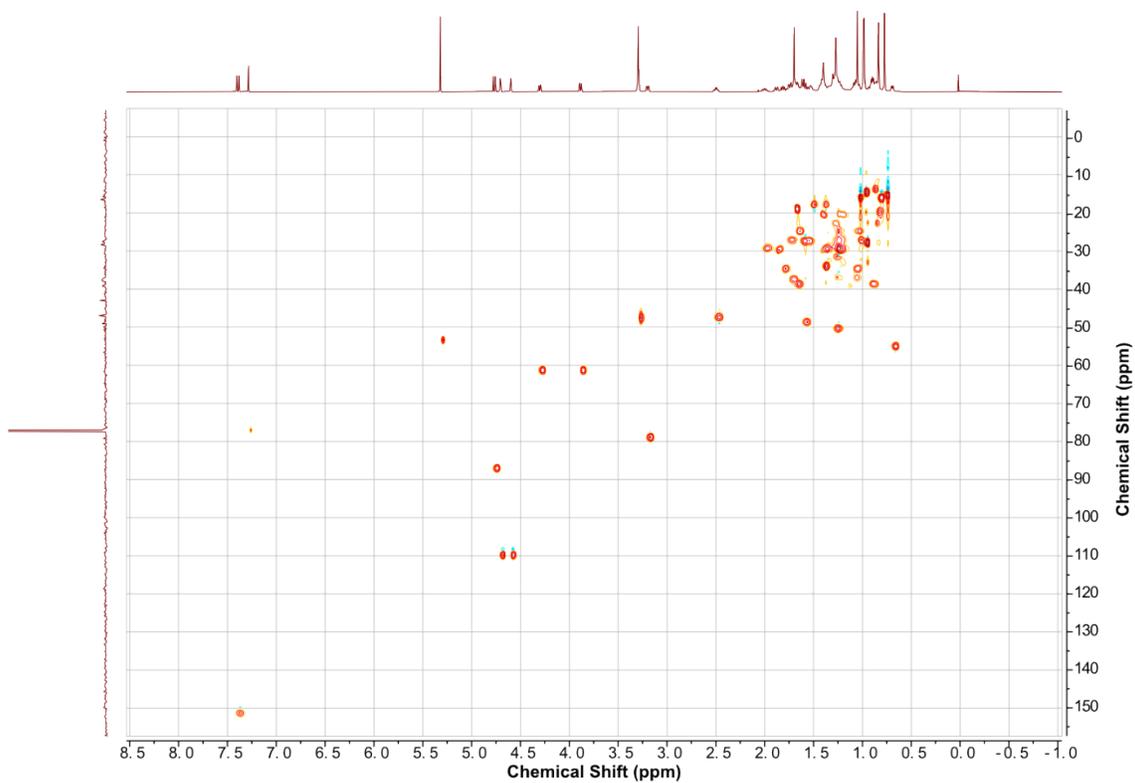


Fig. S33. HSQC spectrum of compound **11**.

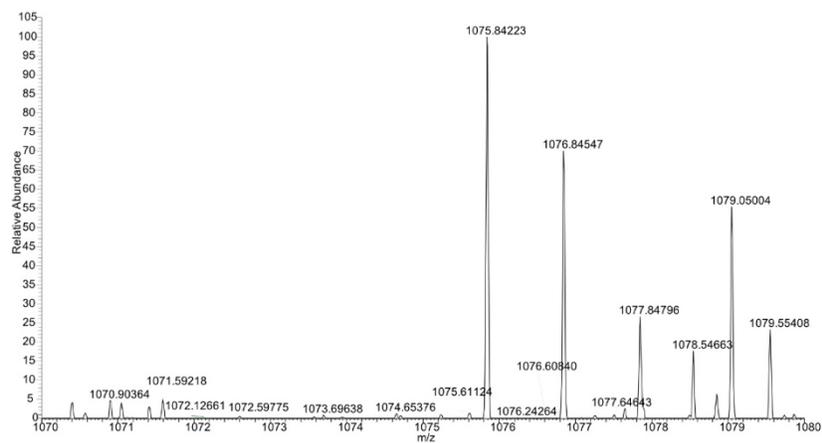


Fig. S34. HR-MS of compound **11**.

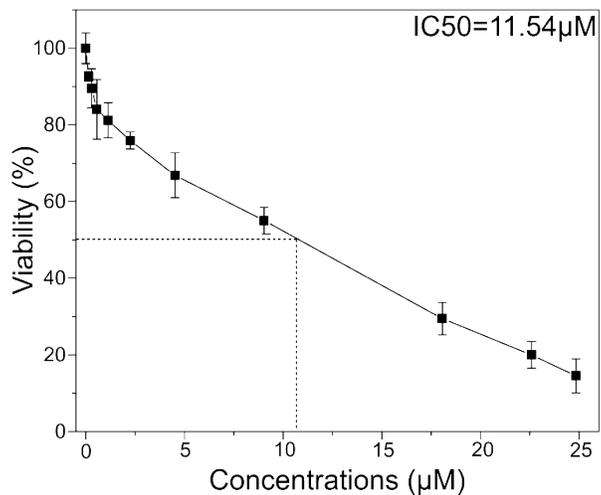


Fig. S35. The dose-response curve of compound **1** for the IC₅₀ in L929 cells.

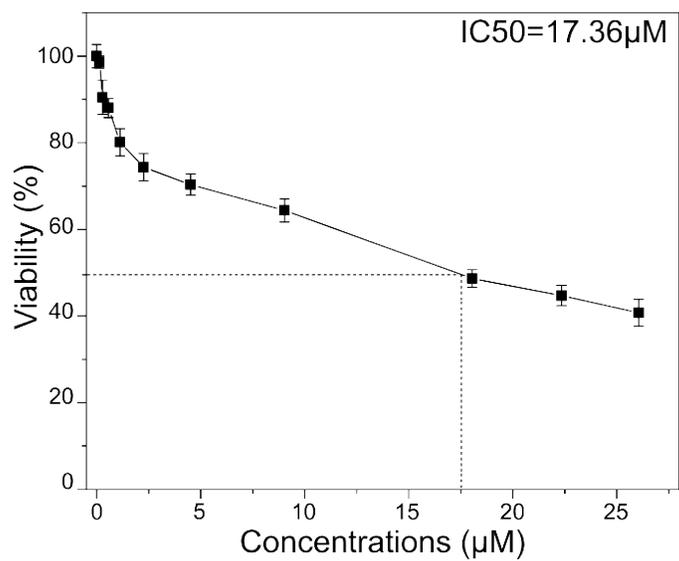


Fig. S36. The dose-response curve of compound **3** for the IC₅₀ in L929 cells.

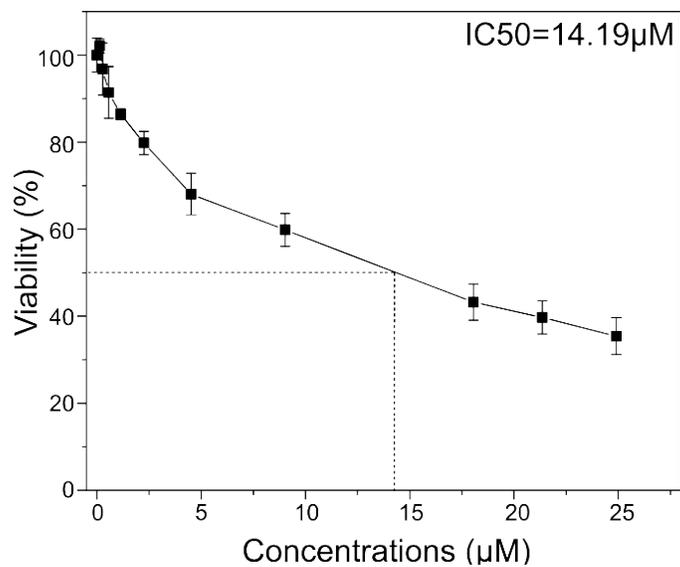


Fig. S37. The dose-response curve of compound **4** for the IC₅₀ in L929 cells.

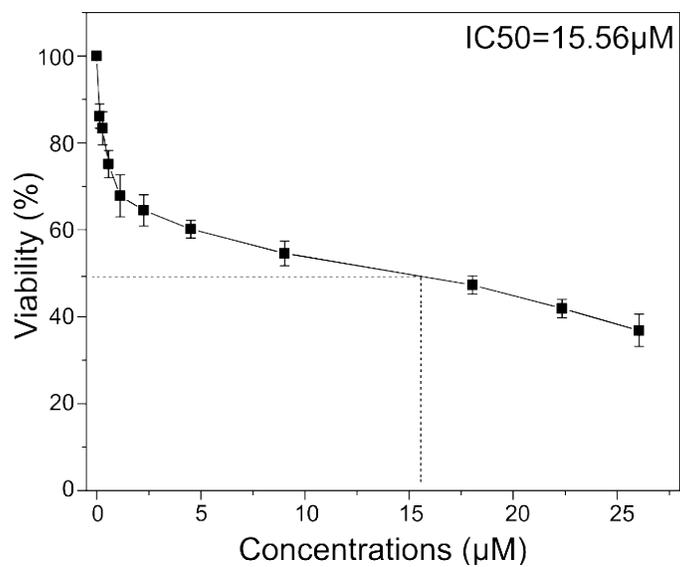


Fig. S38. The dose-response curve of compound **5** for the IC₅₀ in L929 cells.

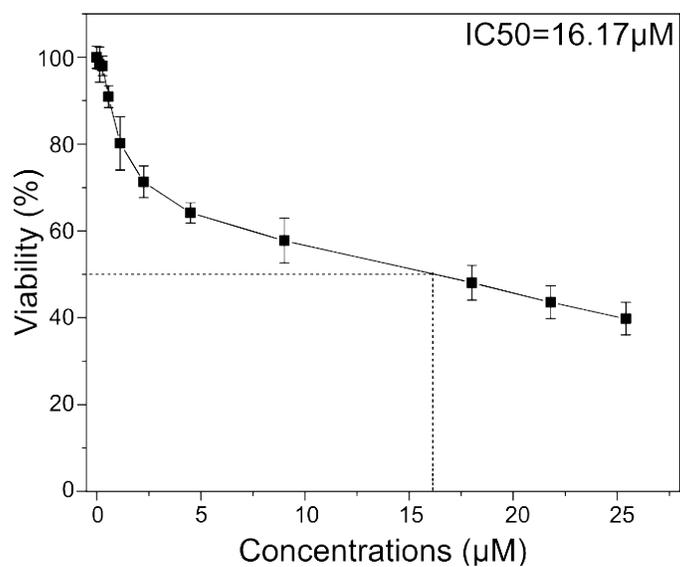


Fig. S39. The dose-response curve of compound **6** for the IC₅₀ in L929 cells.

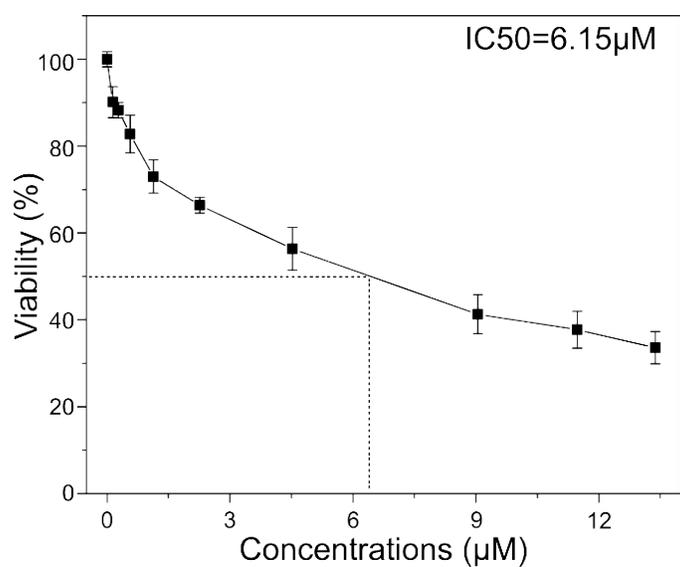


Fig. S40. The dose-response curve of compound **7** for the IC₅₀ in L929 cells.

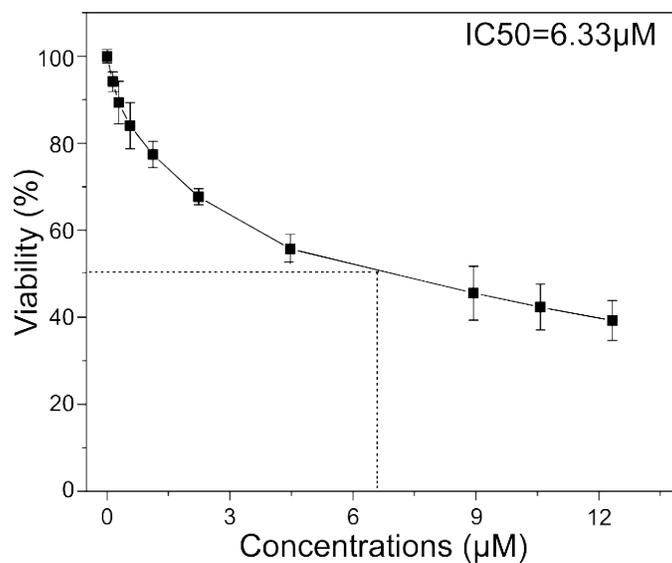


Fig. S41. The dose-response curve of compound **8** for the IC50 in L929 cells.

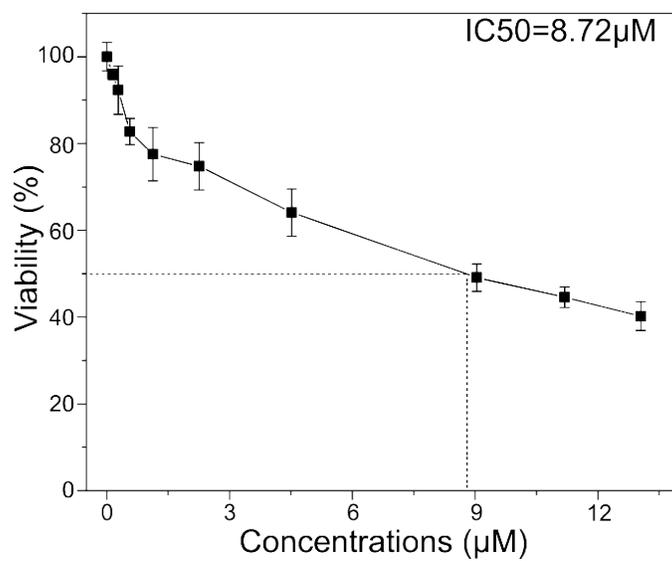


Fig. S42. The dose-response curve of compound **9** for the IC50 in L929 cells.

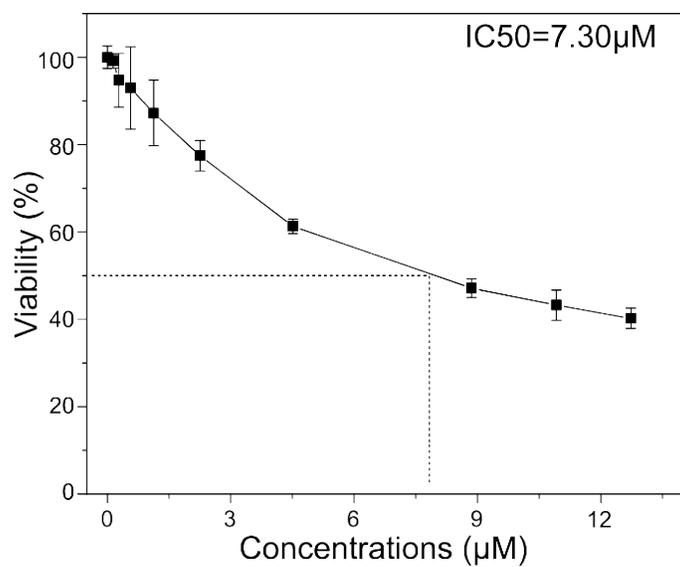


Fig. S43. The dose-response curve of compound **10** for the IC₅₀ in L929 cells.

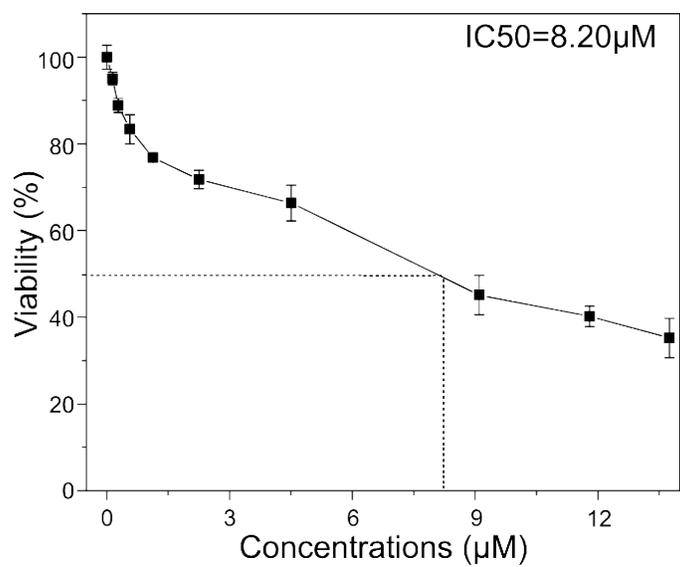


Fig. S44. The dose-response curve of compound **11** for the IC₅₀ in L929 cells.