

Supporting Information

**Synthesis and Cytotoxic Activity of Unsaturated Macrolides
and their Hybrid Molecules with C₆₀ Fullerene**

A. R. Tuktarov,* L. L. Khuzina, Z. R. Sadretdinova, E. Kh. Makarova, L. U. Dzhemileva,* V. A.
D'yakonov, U. M. Dzhemilev

Institute of Petrochemistry and Catalysis, Russian Academy of Sciences. 141 Pr. Oktyabrya, Ufa,
450075, Russia

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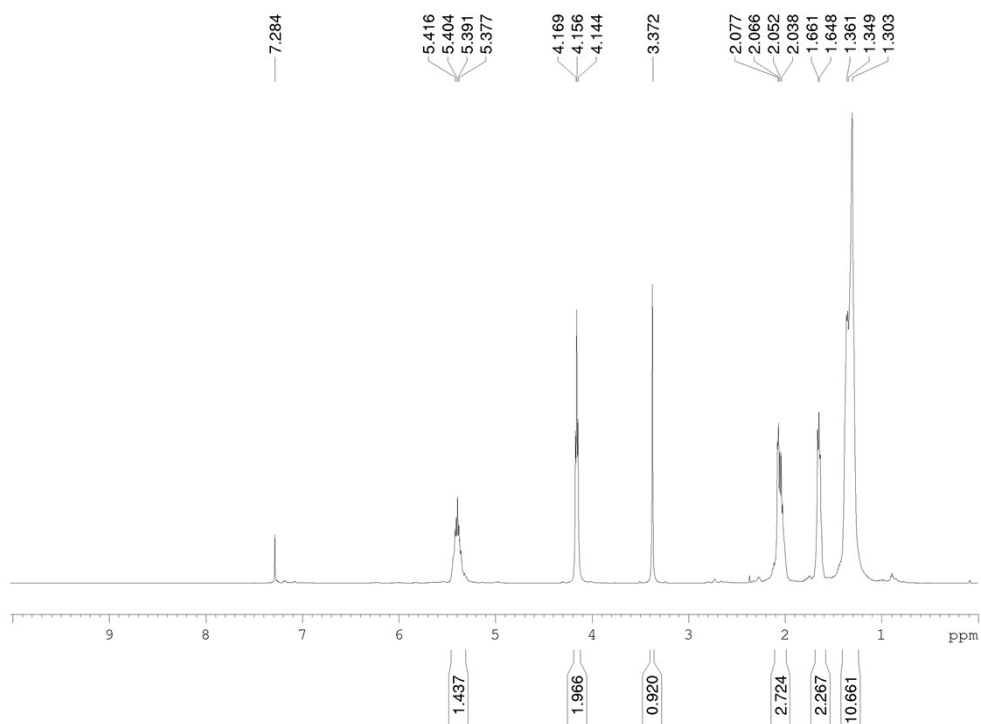


Figure S1. Copy of ¹H NMR spectra of compound 4

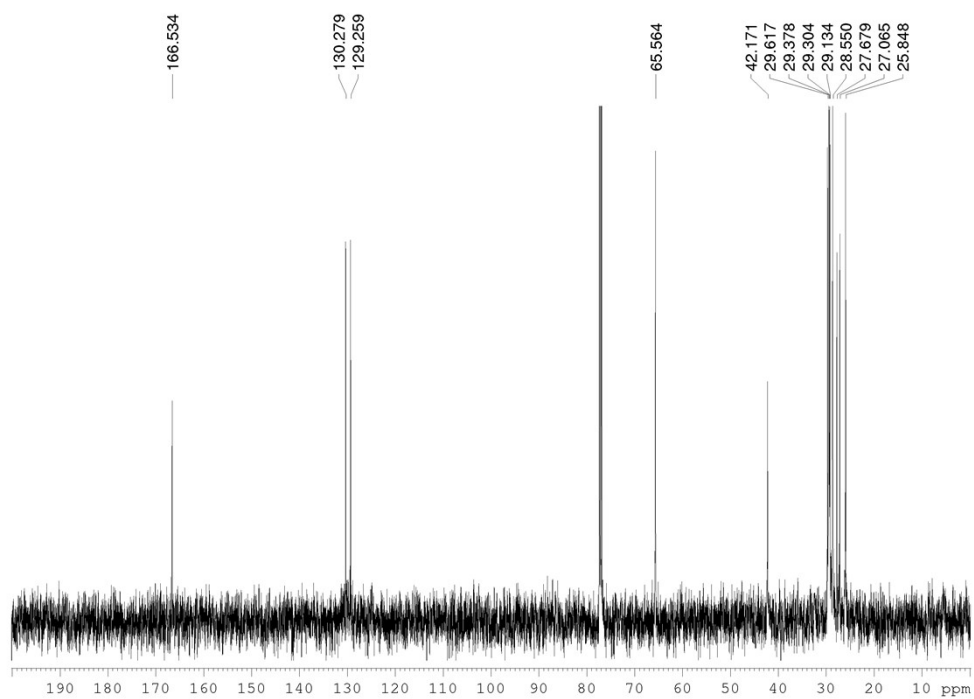


Figure S2. Copy of ¹³C NMR spectra of compound 4

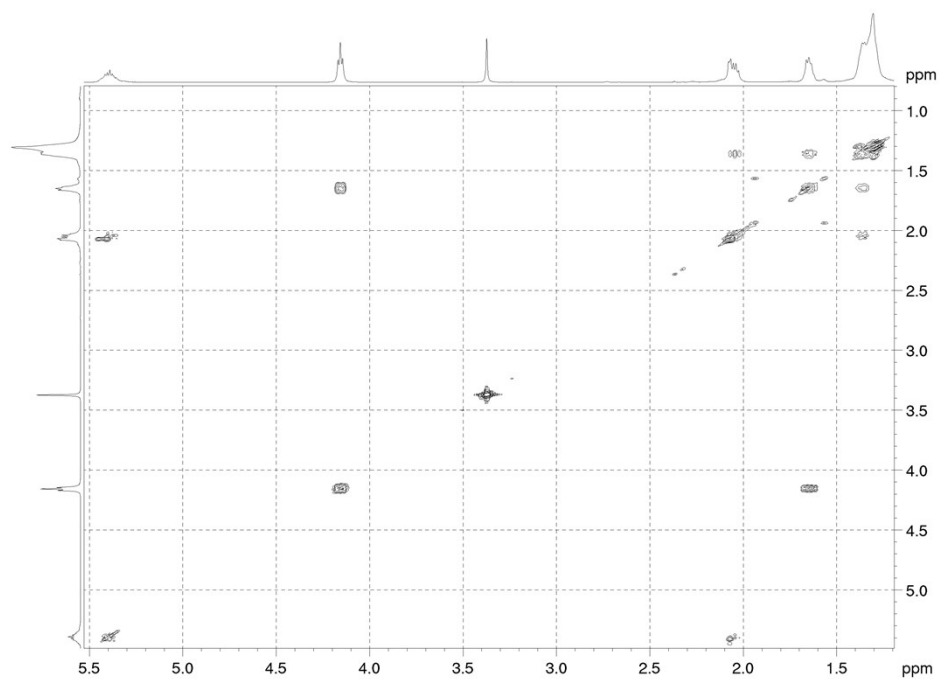


Figure S3. Copy of COSY spectra of compound 4

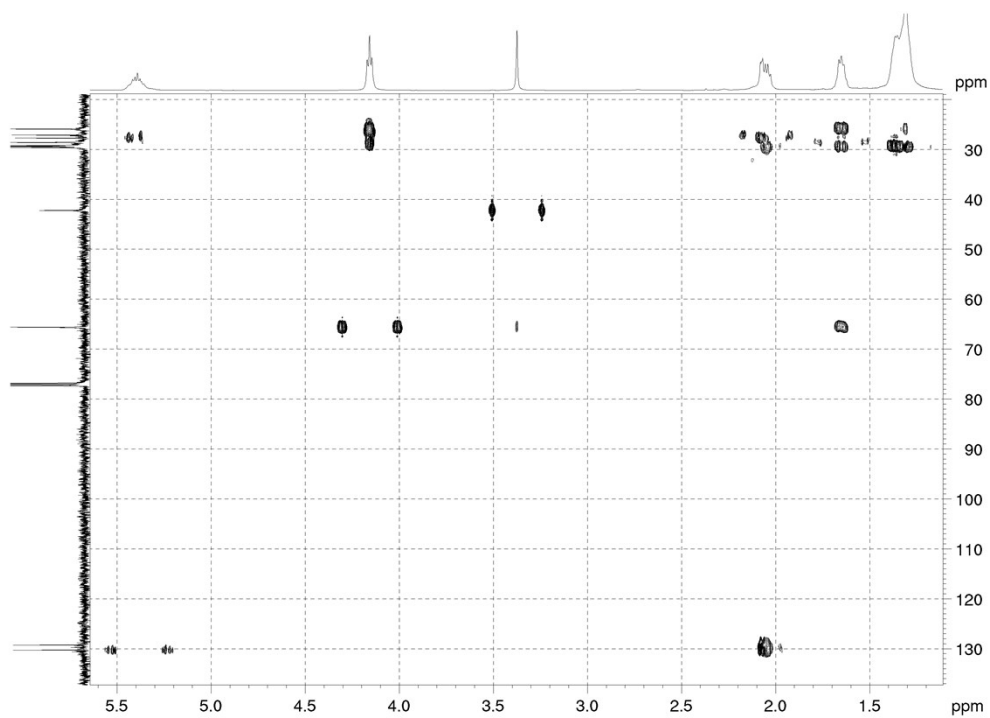


Figure S4. Copy of HMBC spectra of compound 4

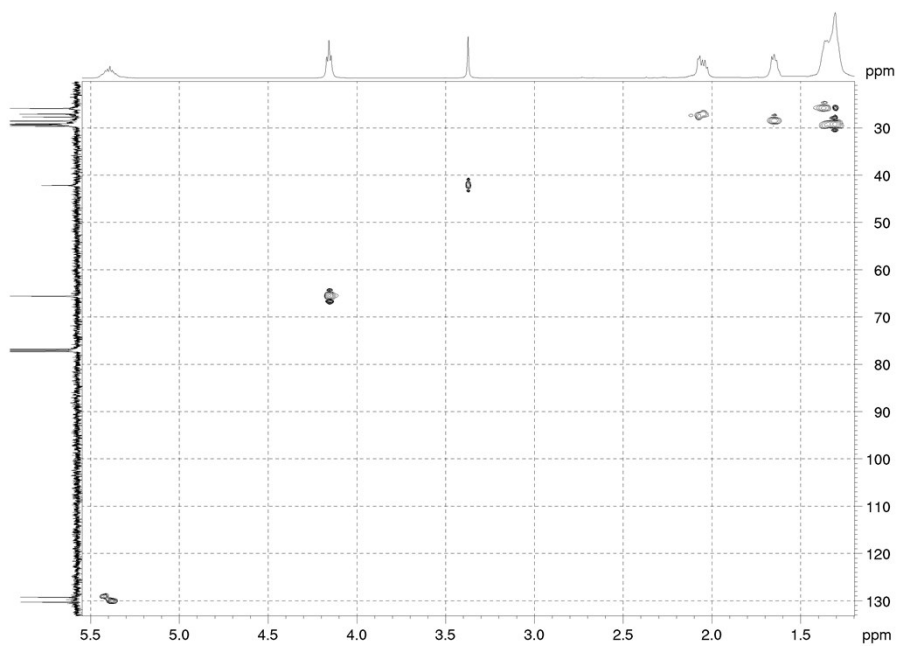


Figure S5. Copy of HSQC spectra of compound 4

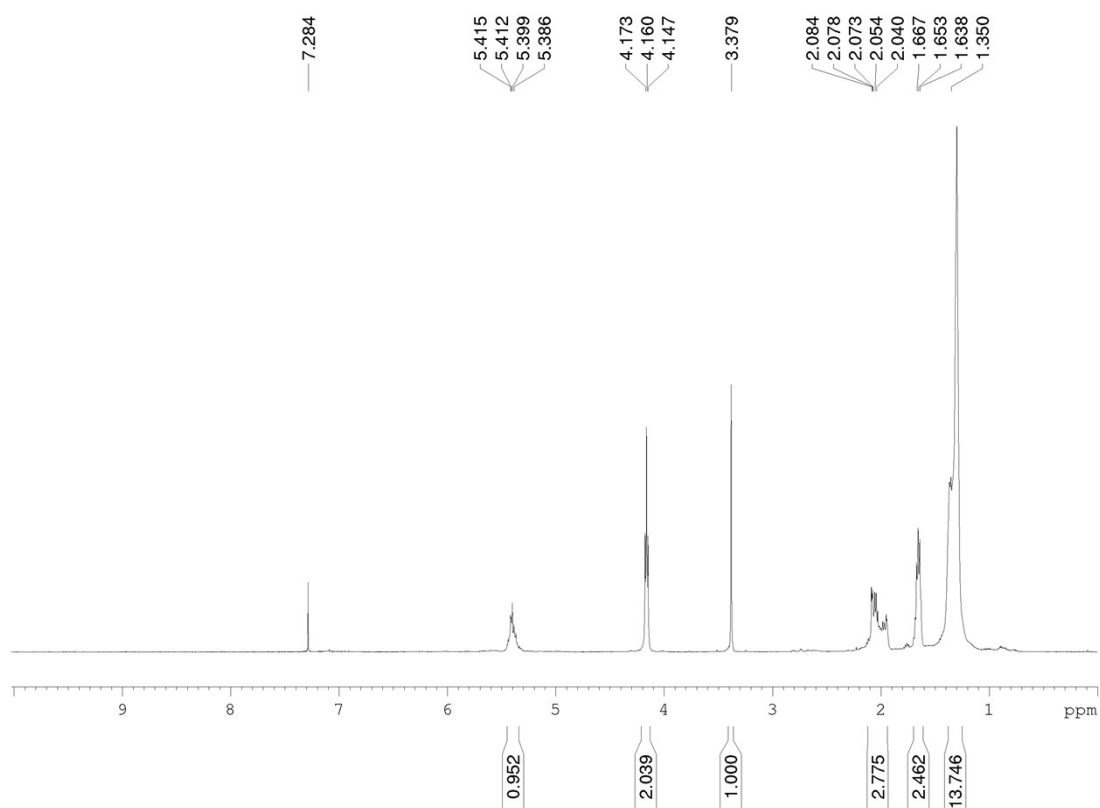


Figure S6. Copy of ^1H NMR spectra of compound 5

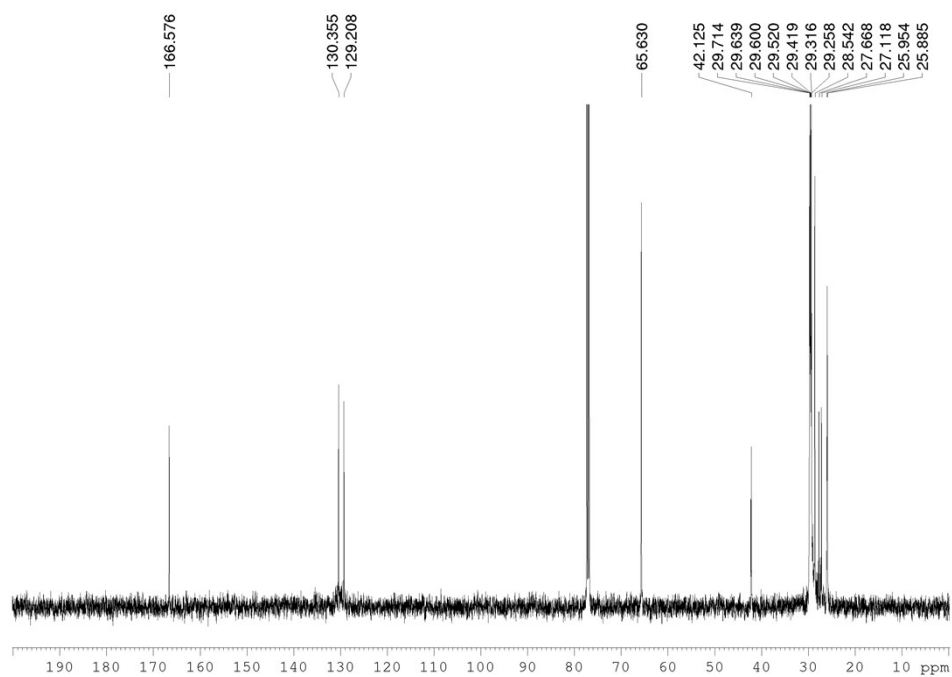


Figure S6. Copy of ^{13}C NMR spectra of compound 5

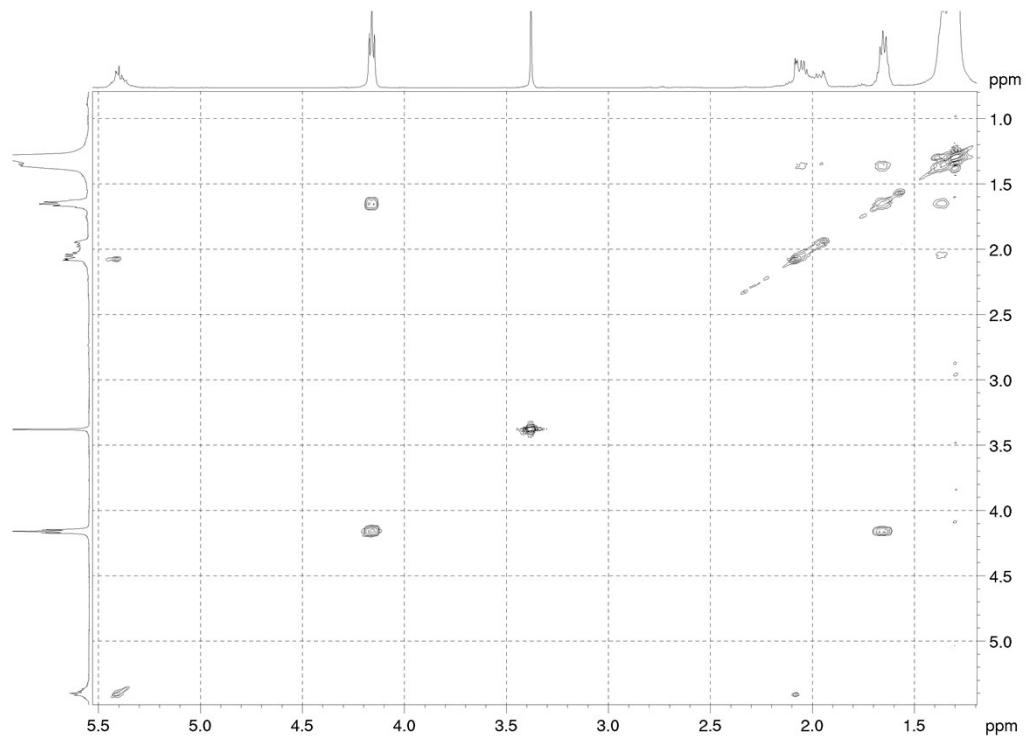


Figure S7. Copy of COSY spectra of compound 5

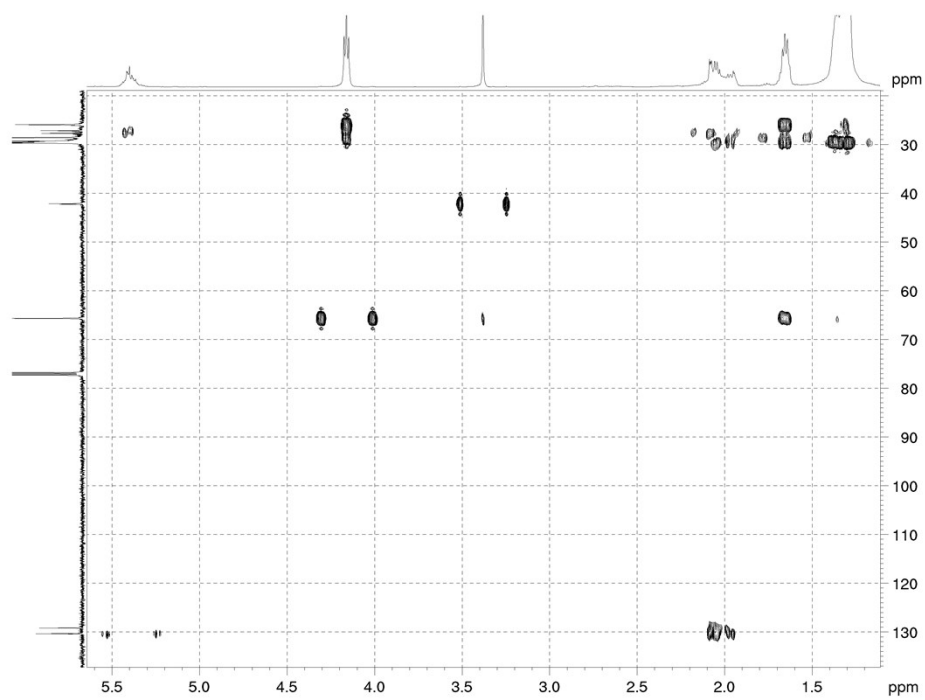


Figure S8. Copy of HMBC spectra of compound **5**

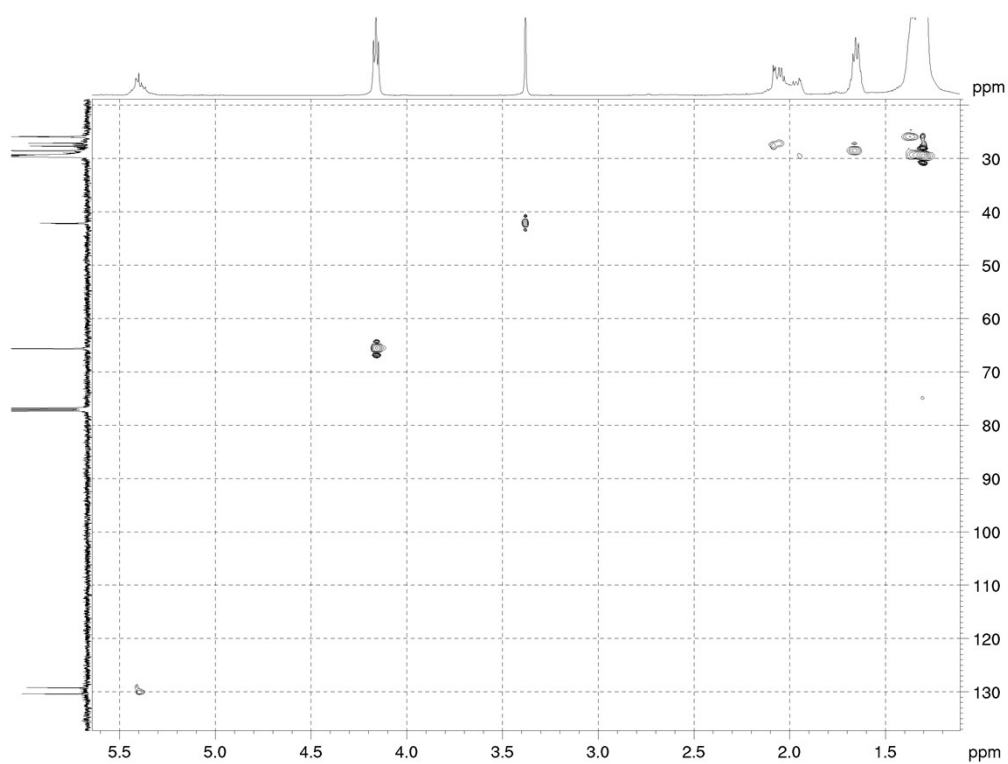


Figure S9. Copy of HSQC spectra of compound **5**

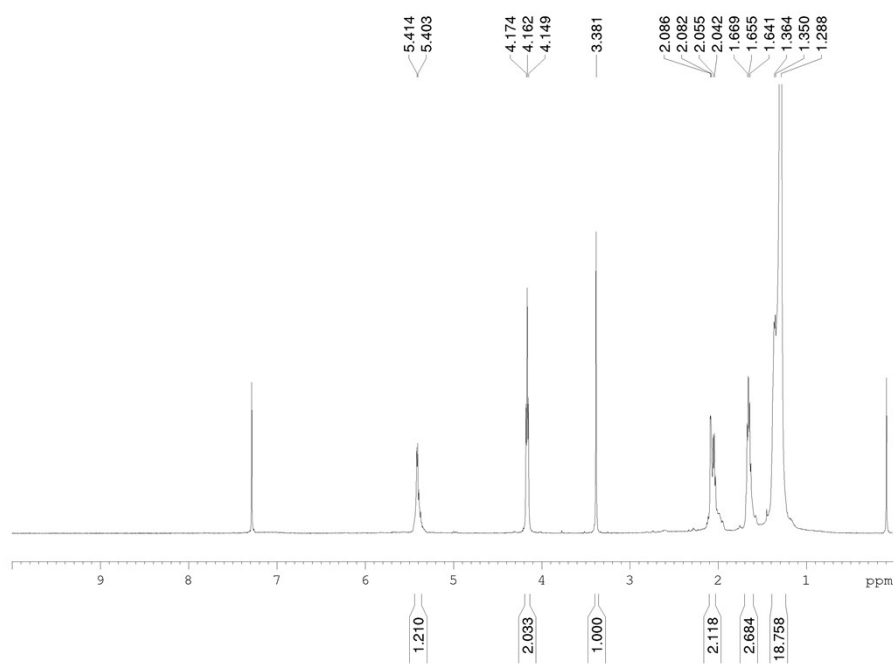


Figure S10. Copy of ¹H NMR spectra of compound 6

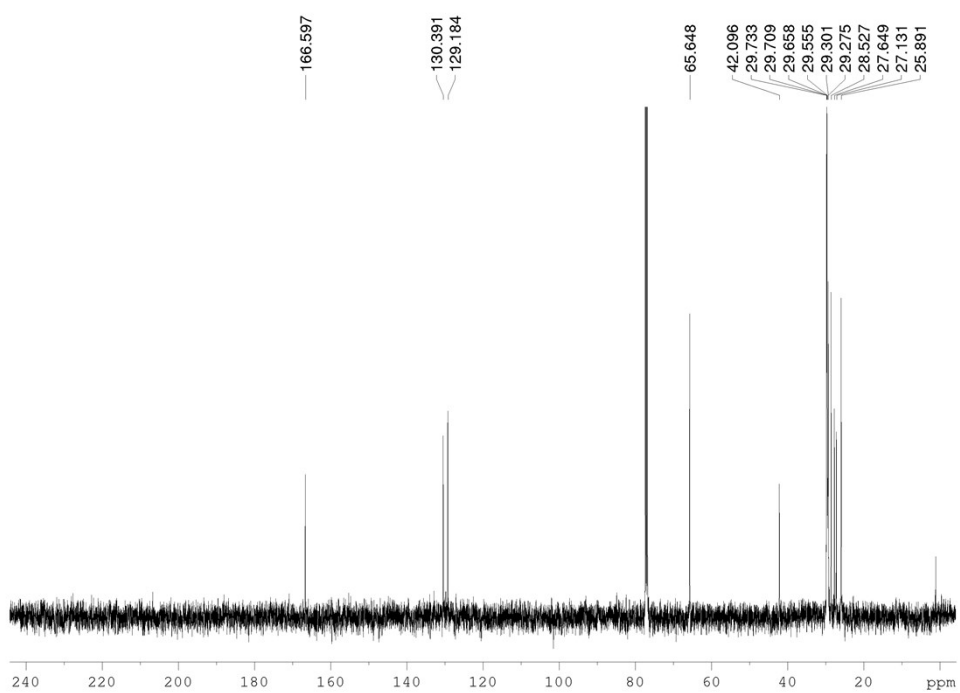


Figure S11. Copy of ¹³C NMR spectra of compound 6

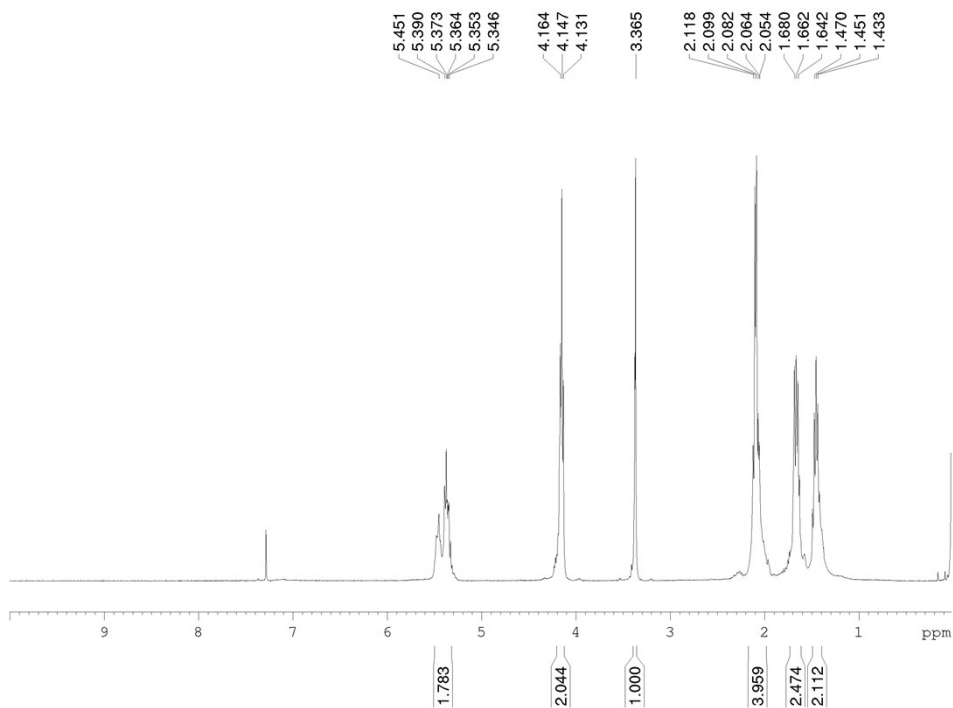


Figure S12. Copy of ¹H NMR spectra of compound **9**

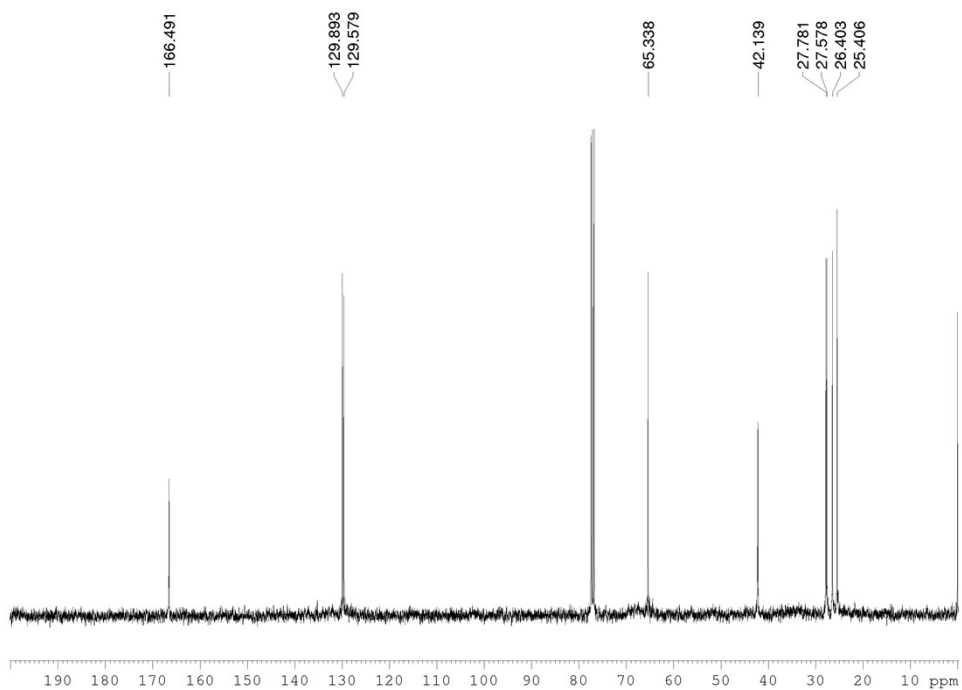


Figure S13. Copy of ¹³C NMR spectra of compound **9**

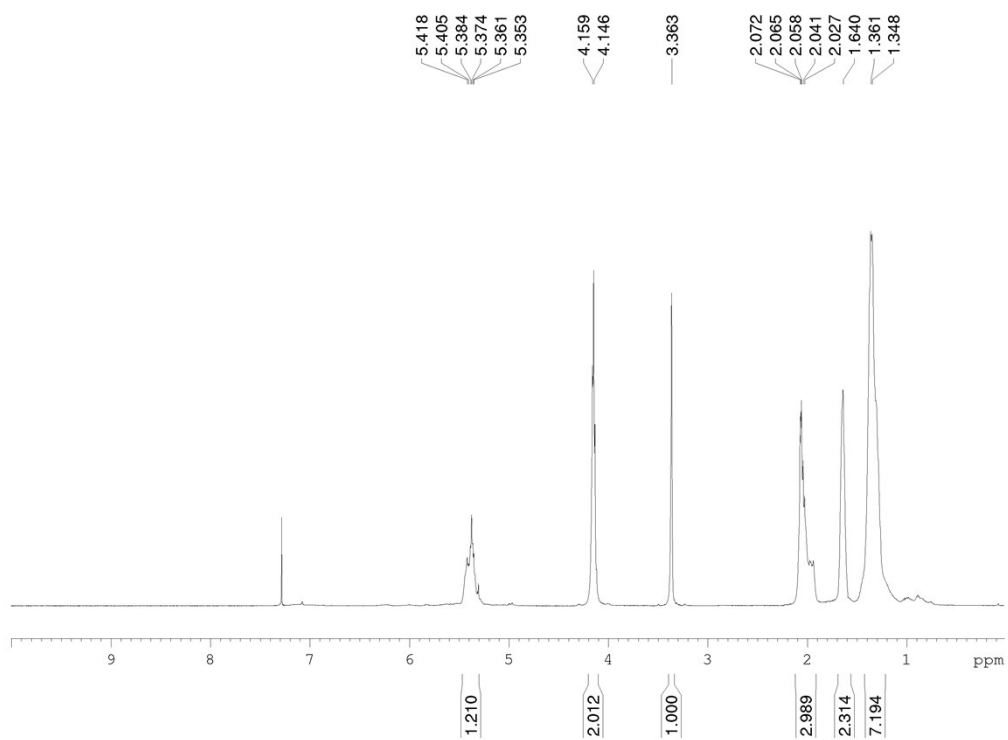


Figure S14. Copy of ¹H NMR spectra of compound **10**

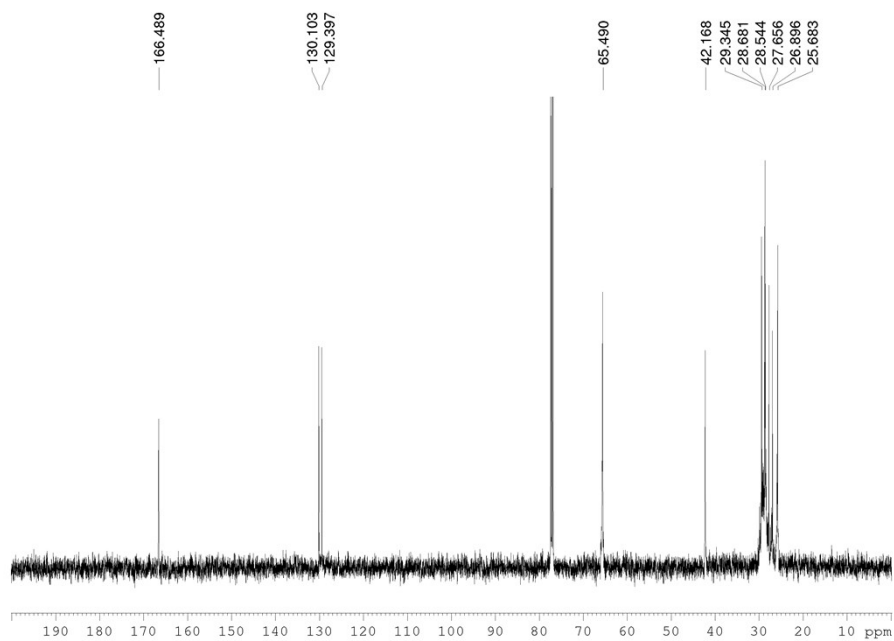


Figure S15. Copy of ¹³C NMR spectra of compound **10**

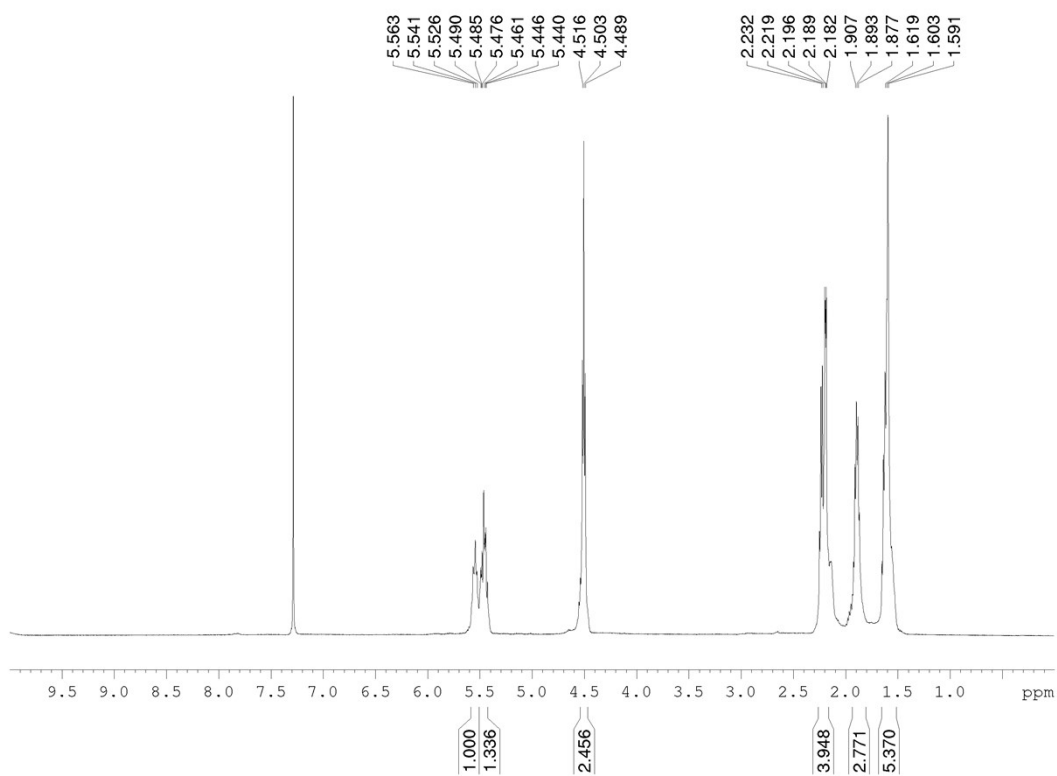


Figure S16. Copy of ¹H NMR spectra of compound 11

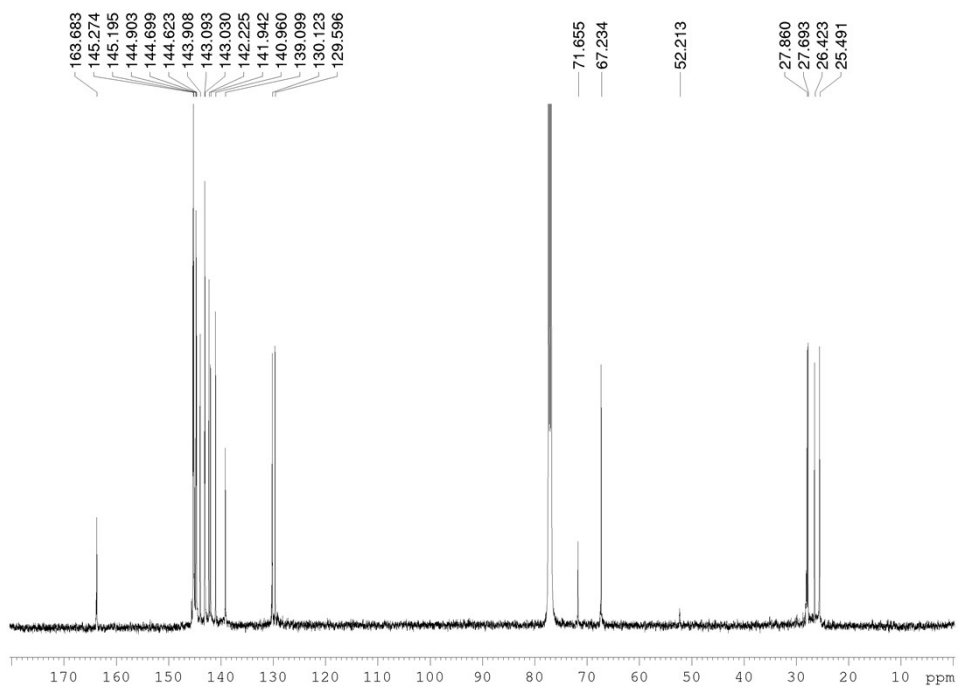


Figure S17. Copy of ¹³C NMR spectra of compound 11

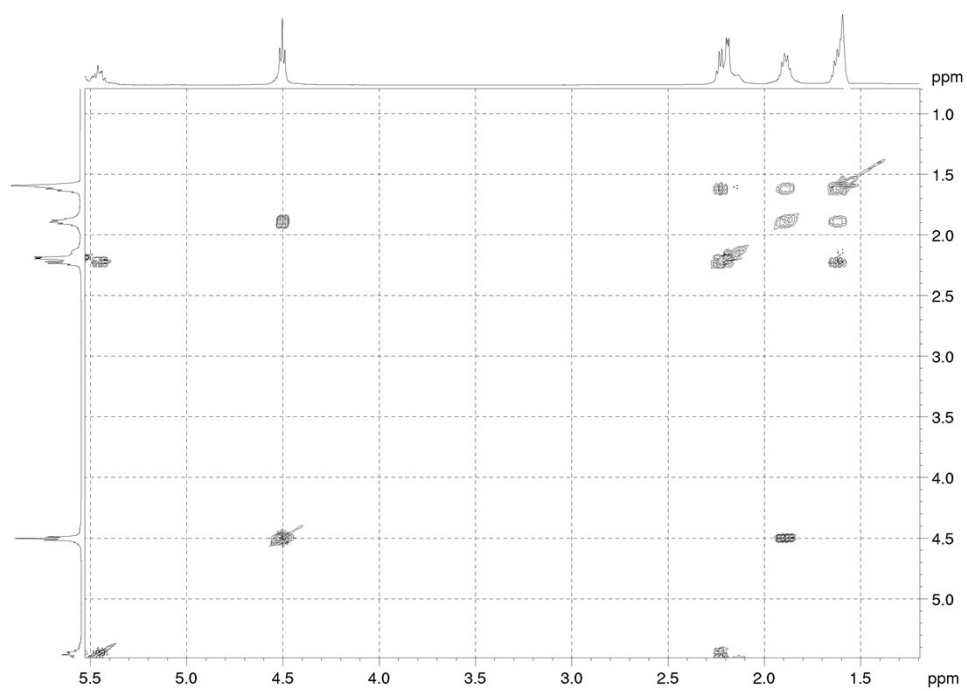


Figure S18. Copy of COSY NMR spectra of compound **11**

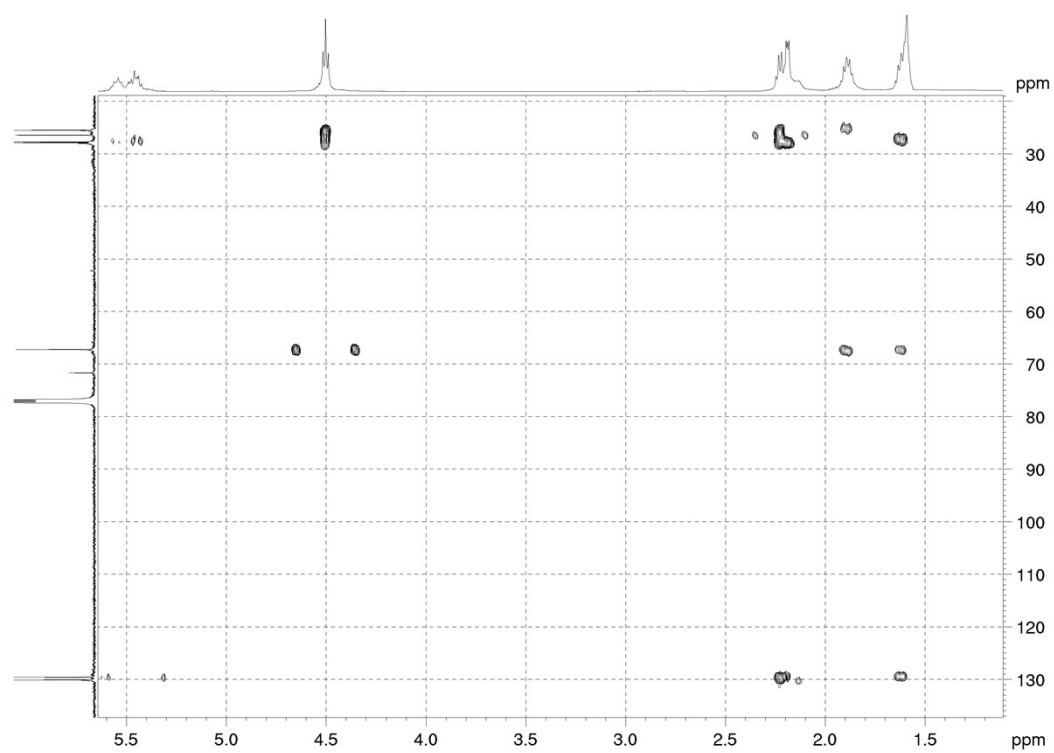


Figure S 19. Copy of HMBC NMR spectra of compound **11**

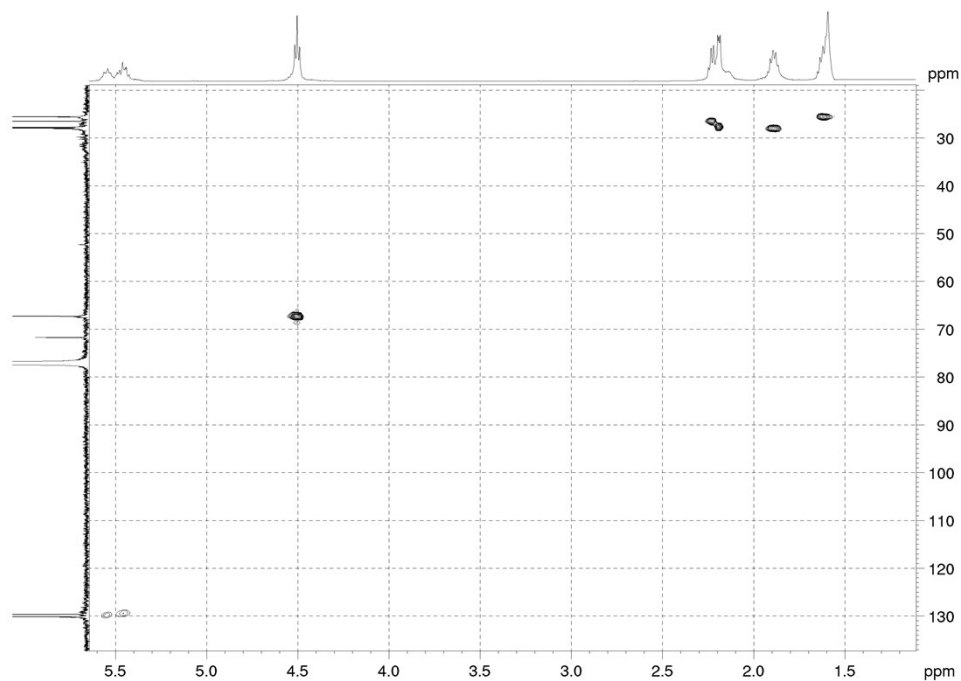


Figure S20. Copy of HSQC NMR spectra of compound 11

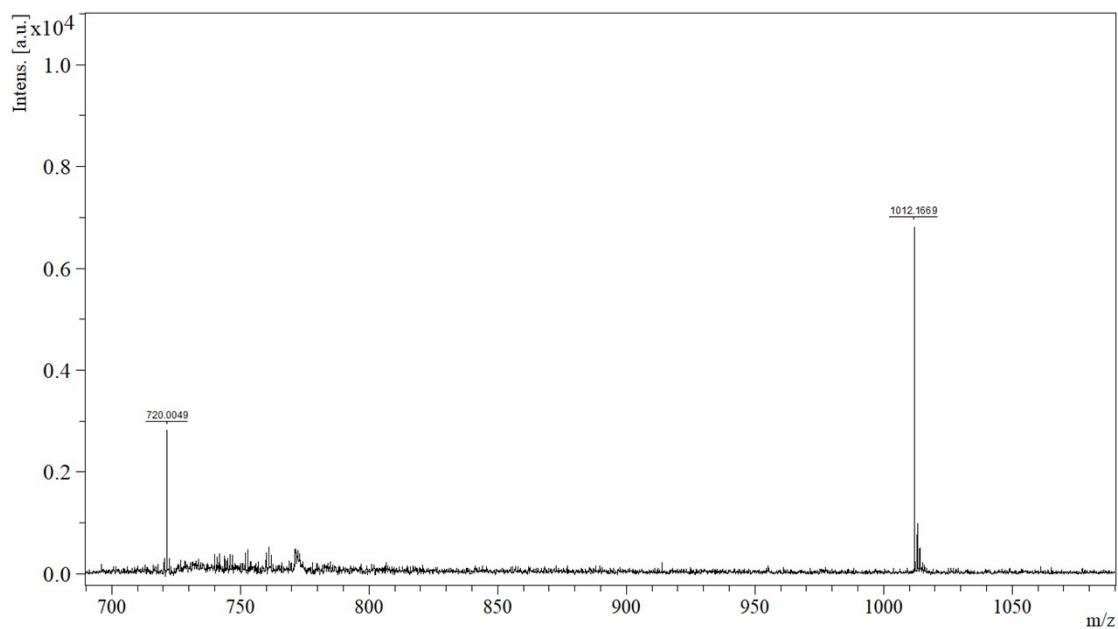


Figure S21. Copy of MALDI TOF spectra of compound 11

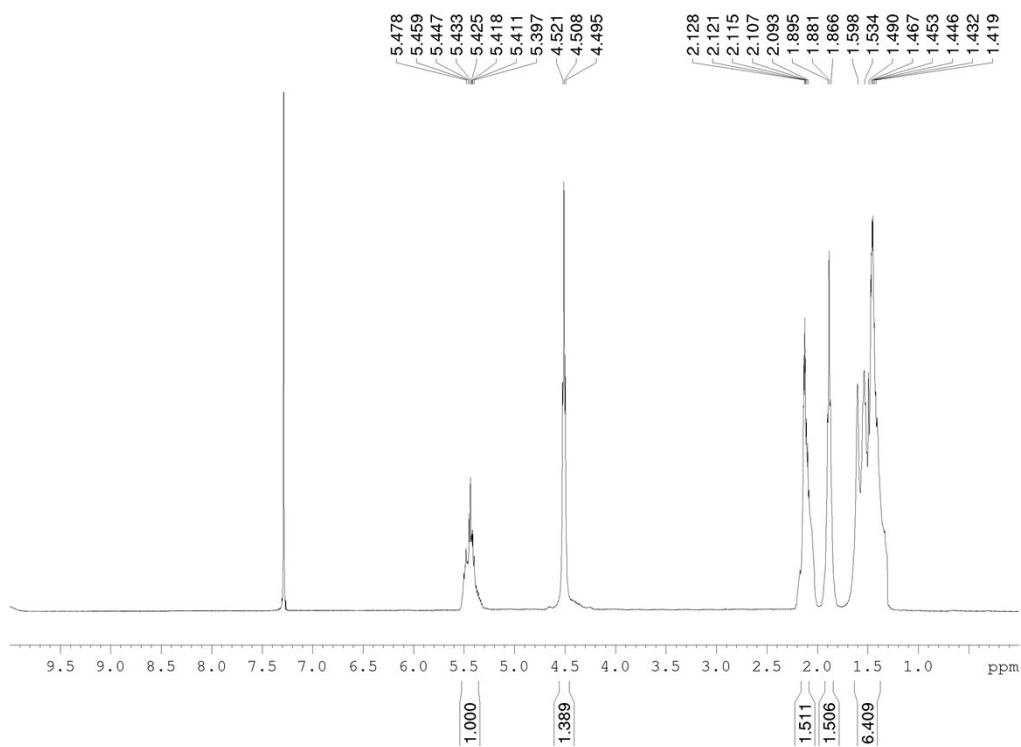


Figure S22. Copy of ¹H NMR spectra of compound 12

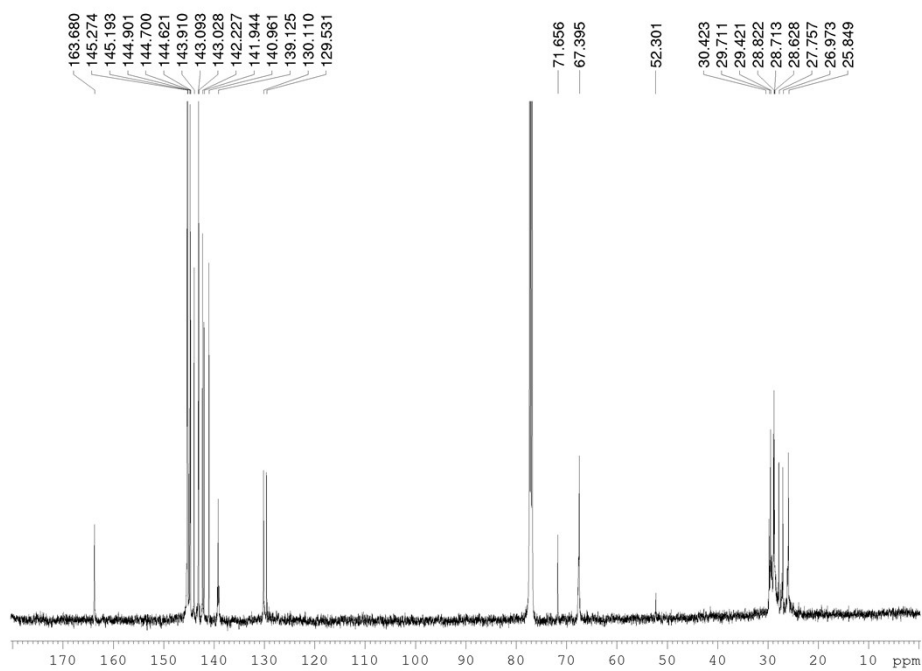


Figure S23. Copy of ¹³C NMR spectra of compound 12

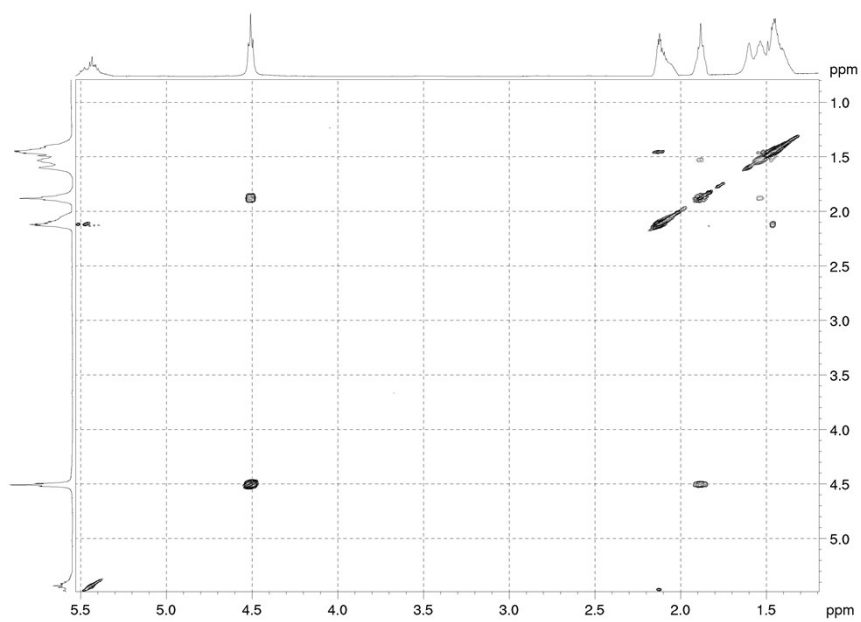


Figure S24. Copy of COSY NMR spectra of compound **12**

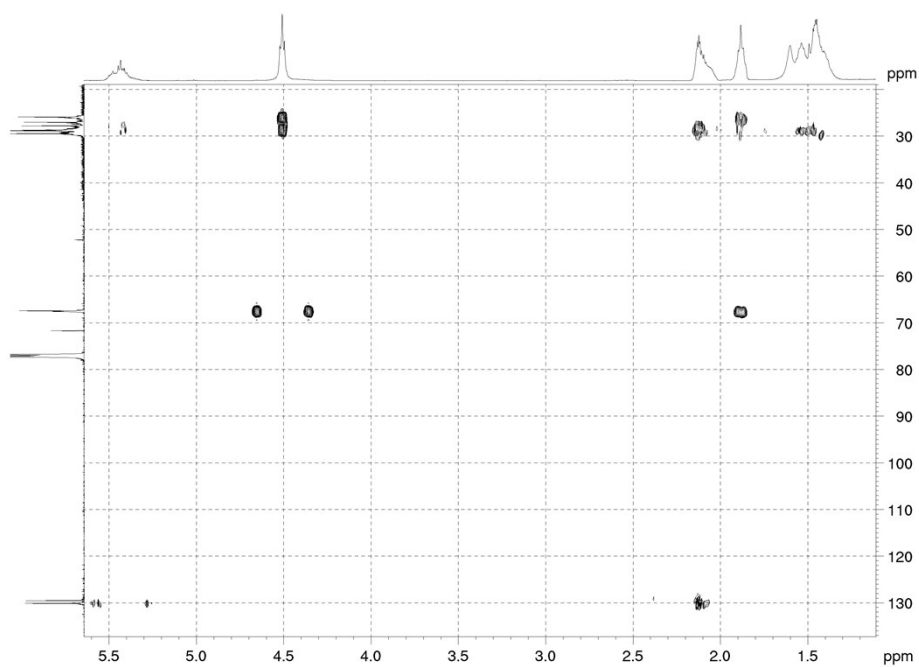


Figure S25. Copy of HMBC NMR spectra of compound **12**

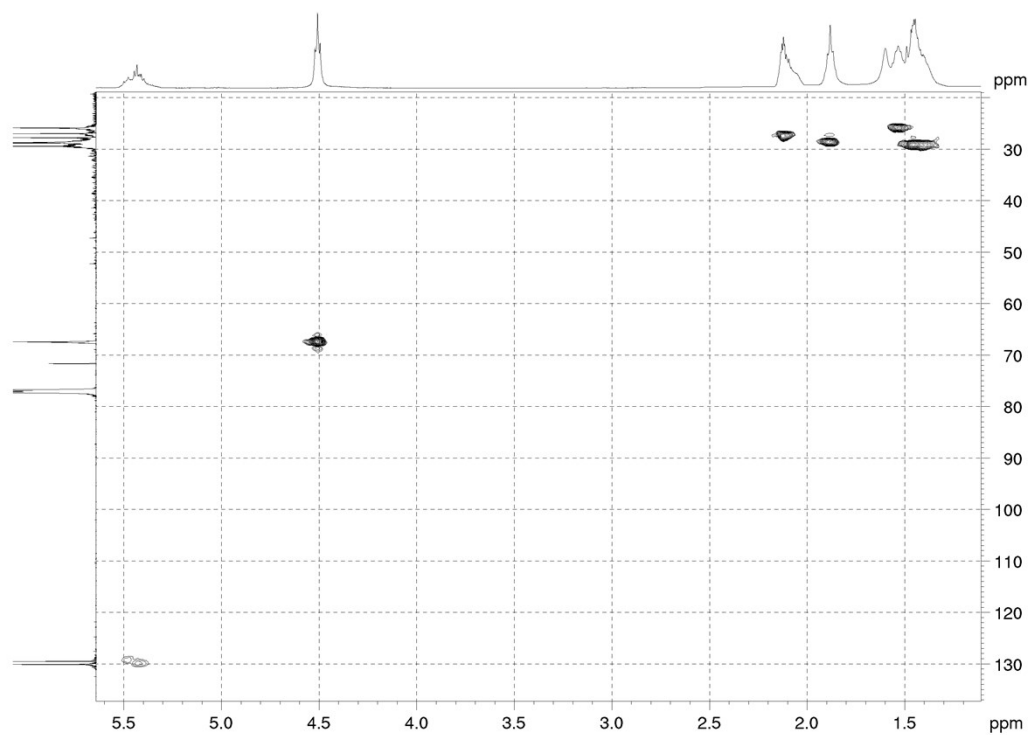


Figure S26. Copy of HSQC NMR spectra of compound **12**

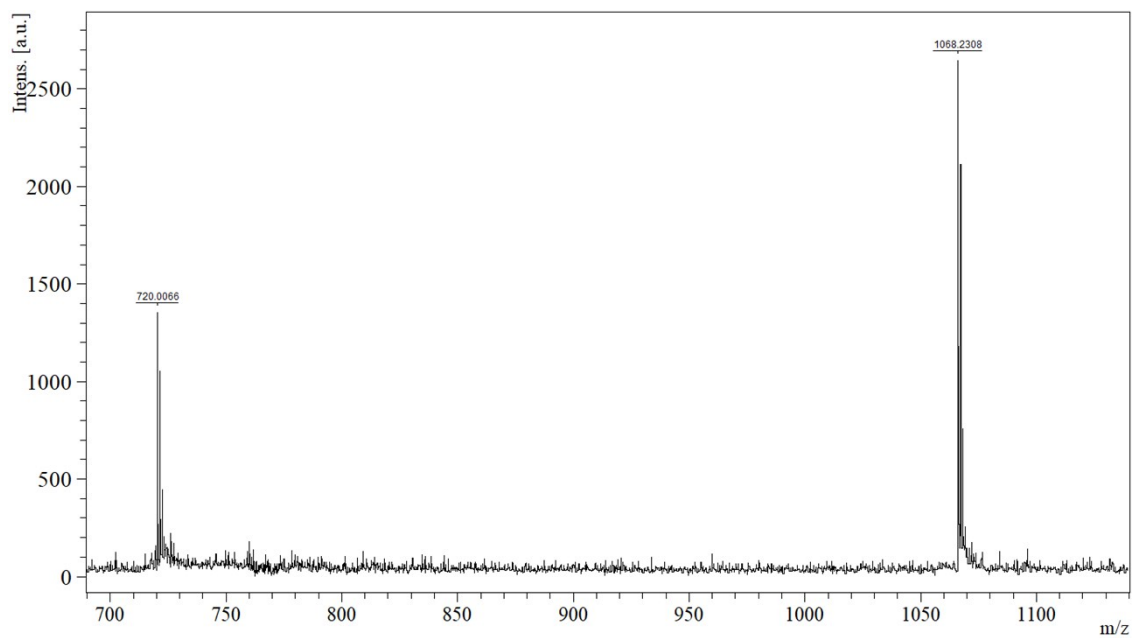


Figure S27. Copy of MALDI TOF spectra of compound **12**

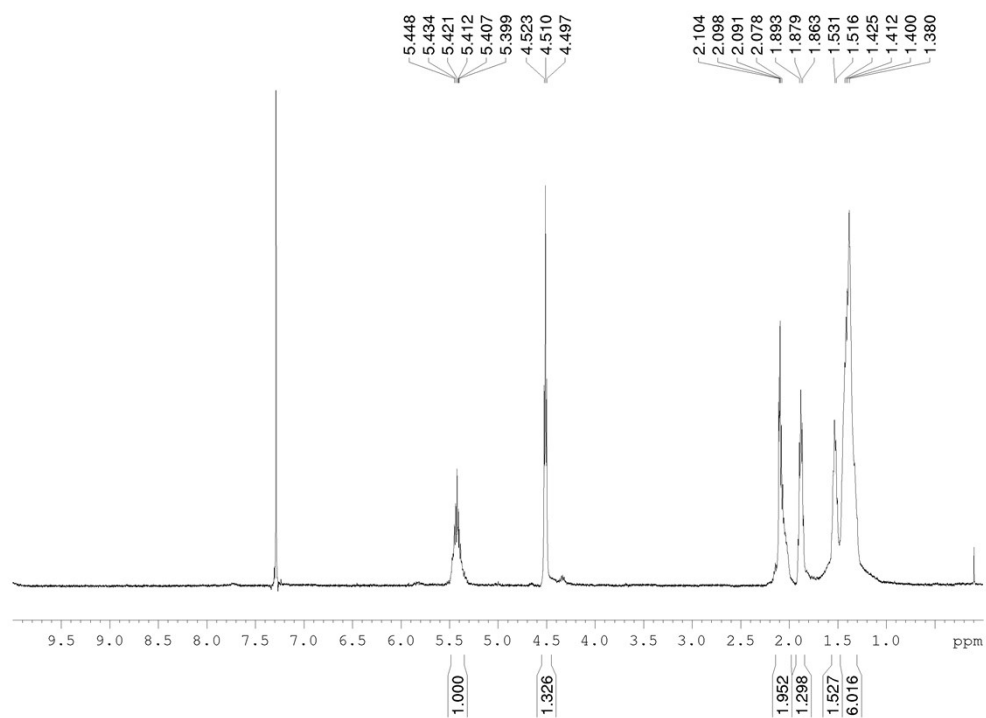


Figure S28. Copy of ¹H NMR spectra of compound 13

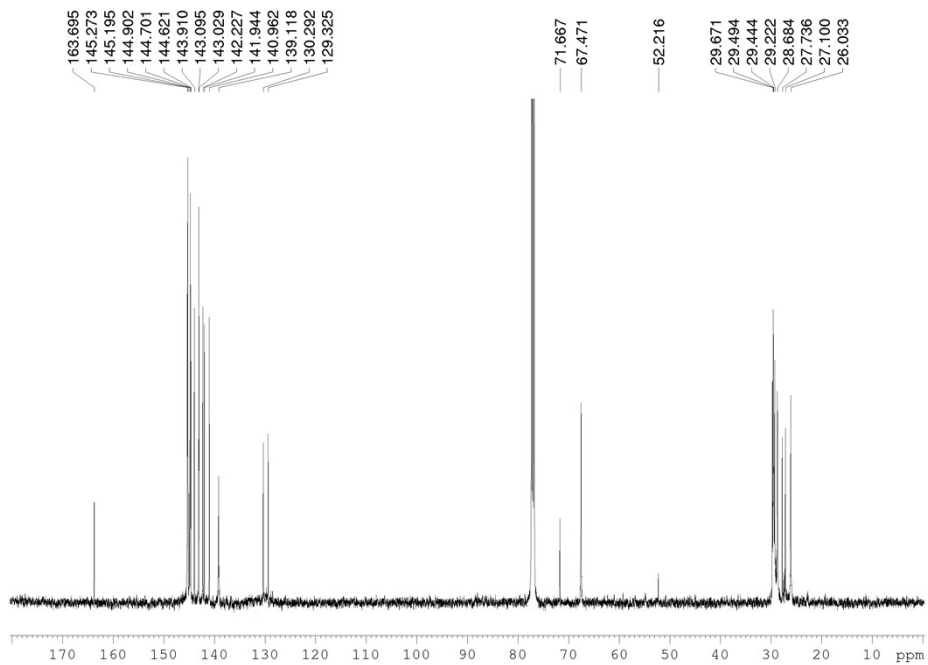


Figure S29. Copy of ¹³C NMR spectra of compound 13

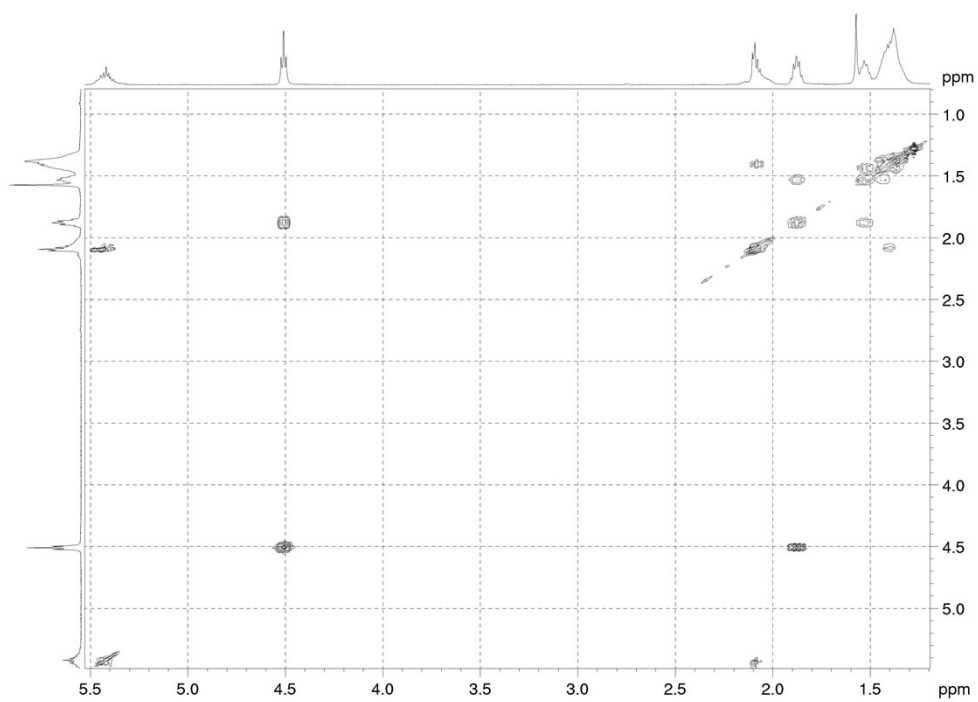


Figure S30. Copy of COSY spectra of compound **13**

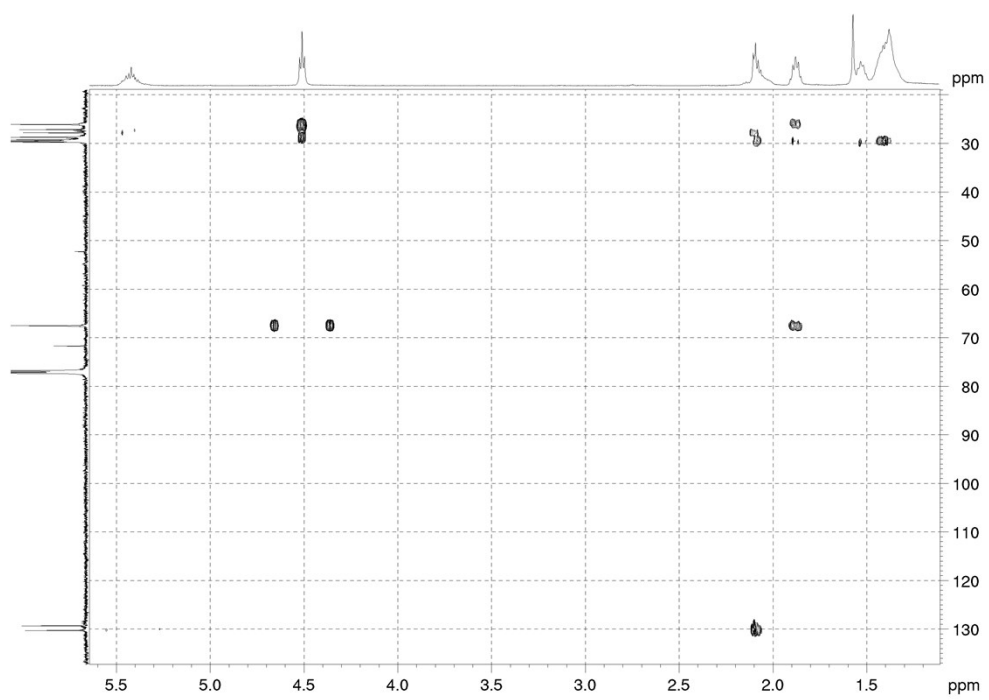


Figure S31. Copy of HMBC spectra of compound **13**

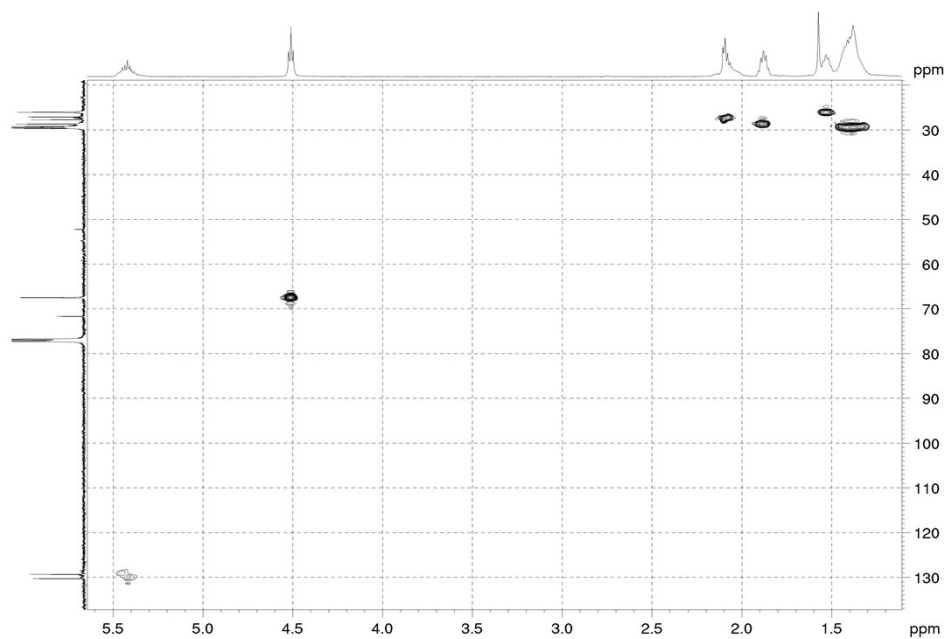


Figure S32. Copy of HSQC spectra of compound **13**

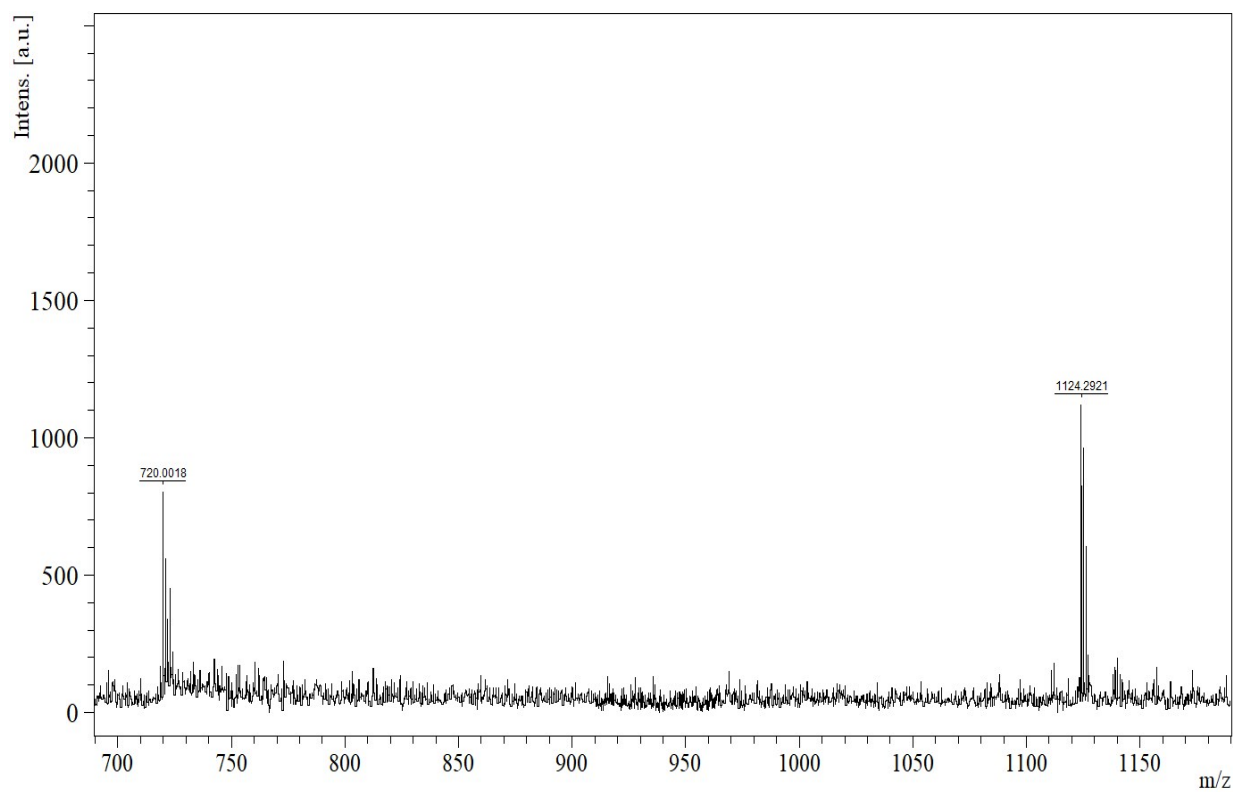


Figure S33. Copy of MALDI TOF spectra of compound **13**

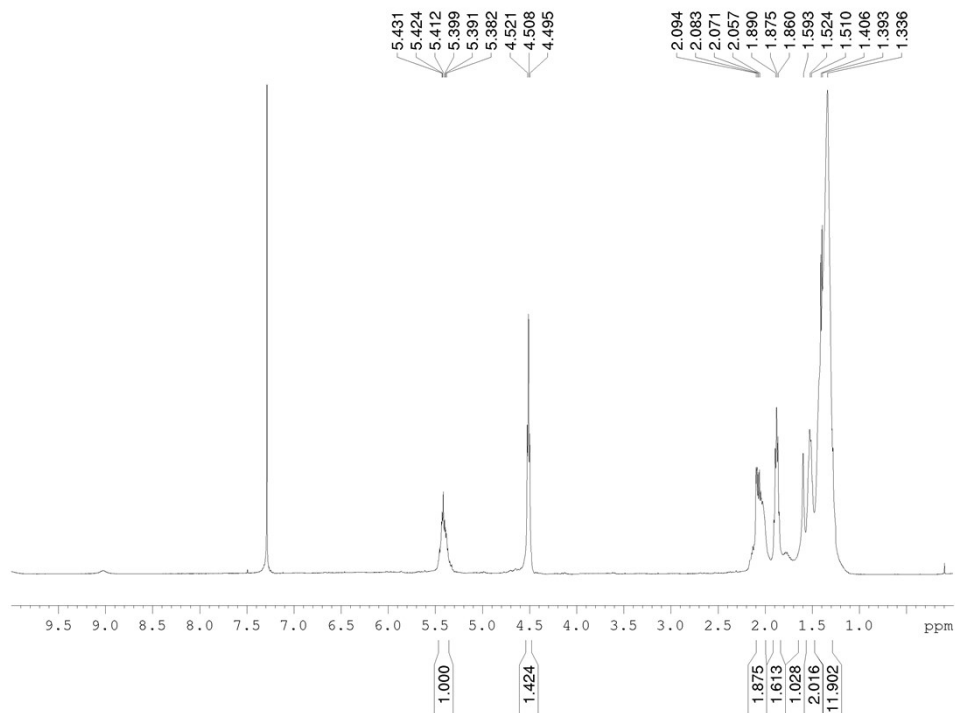


Figure S34. Copy of ¹H NMR spectra of compound 14

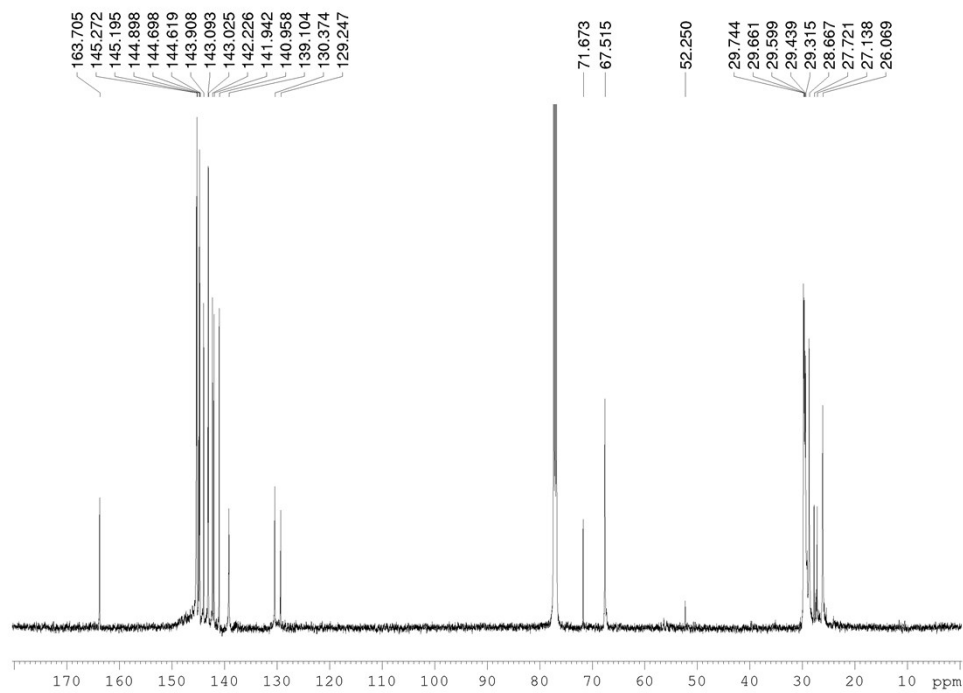


Figure S35. Copy of ¹³C NMR spectra of compound 14

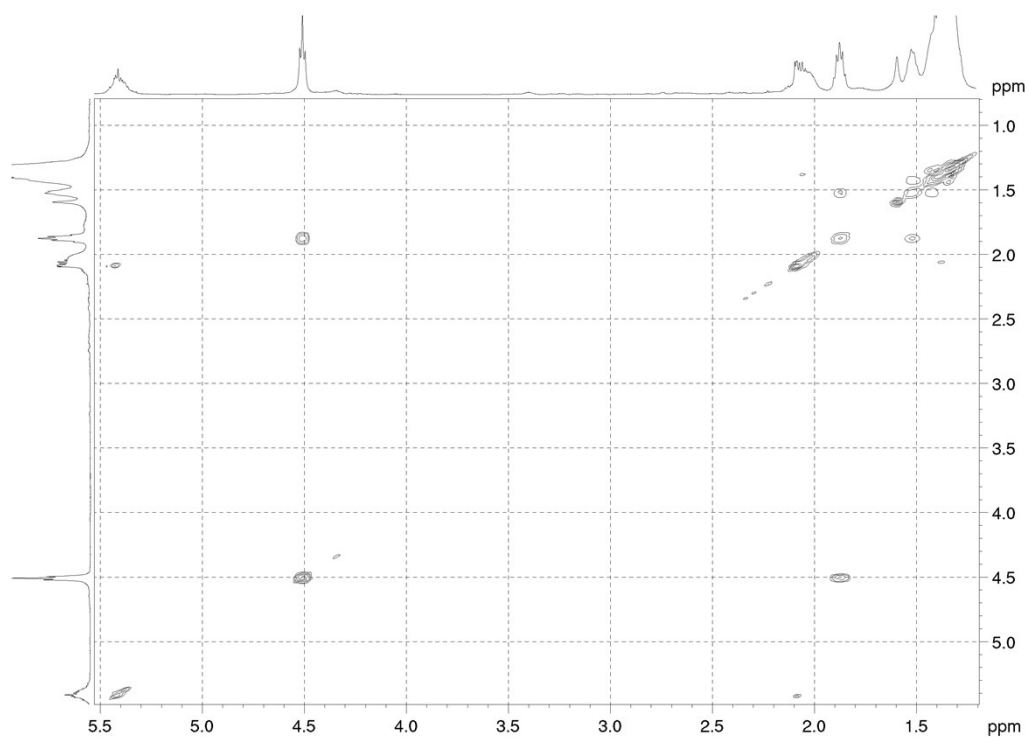


Figure S36. Copy of COSY spectra of compound **14**

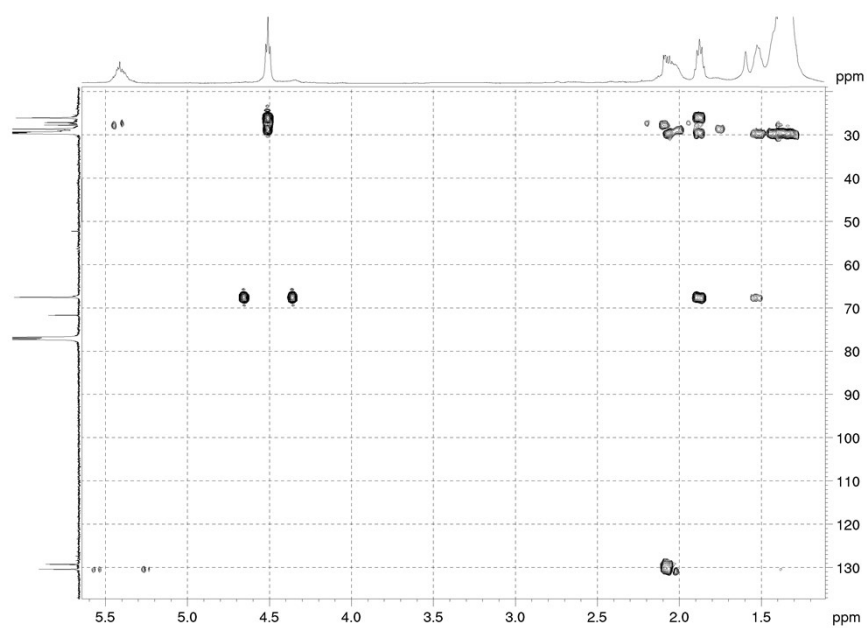


Figure S37. Copy of HMBC NMR spectra of compound **14**

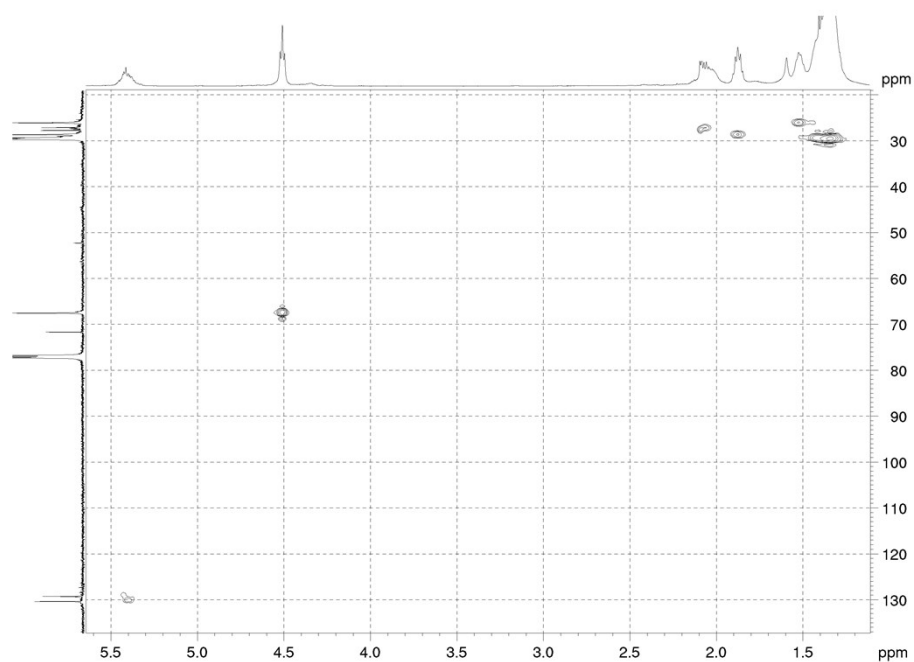


Figure S38. Copy of HSQC NMR spectra of compound **14**

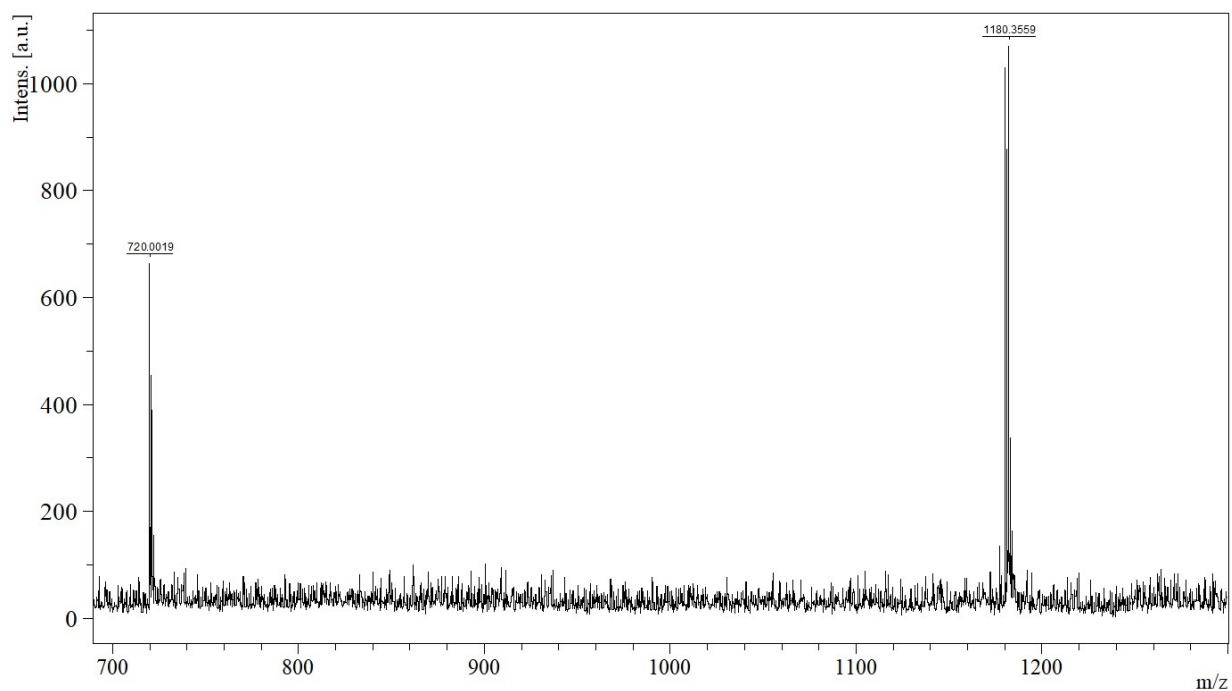


Figure S39. Copy of MALDI TOF spectra of compound **14**

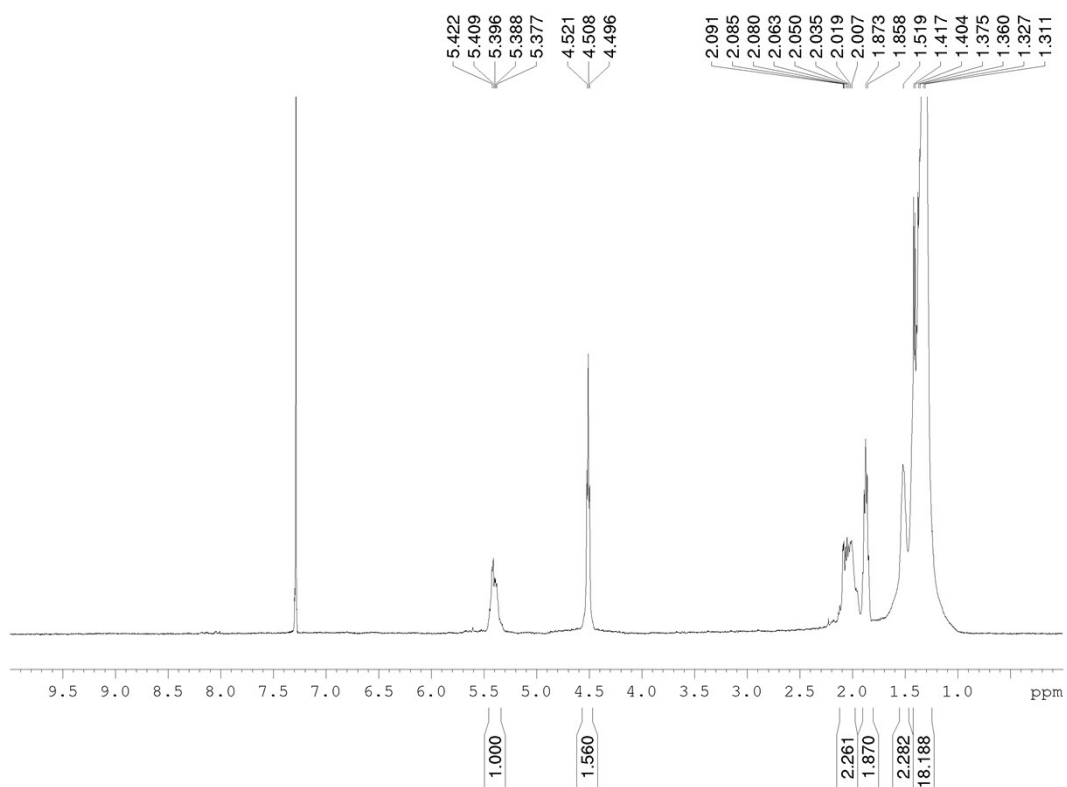


Figure S40. Copy of ¹H NMR spectra of compound 15

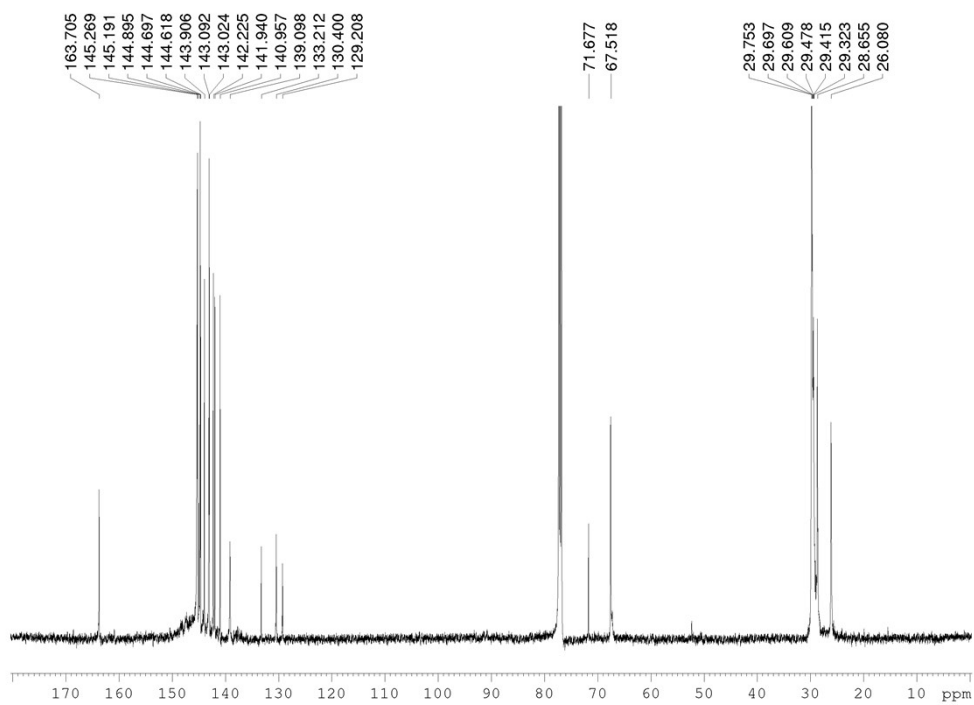


Figure S41. Copy of ¹³C NMR spectra of compound 15

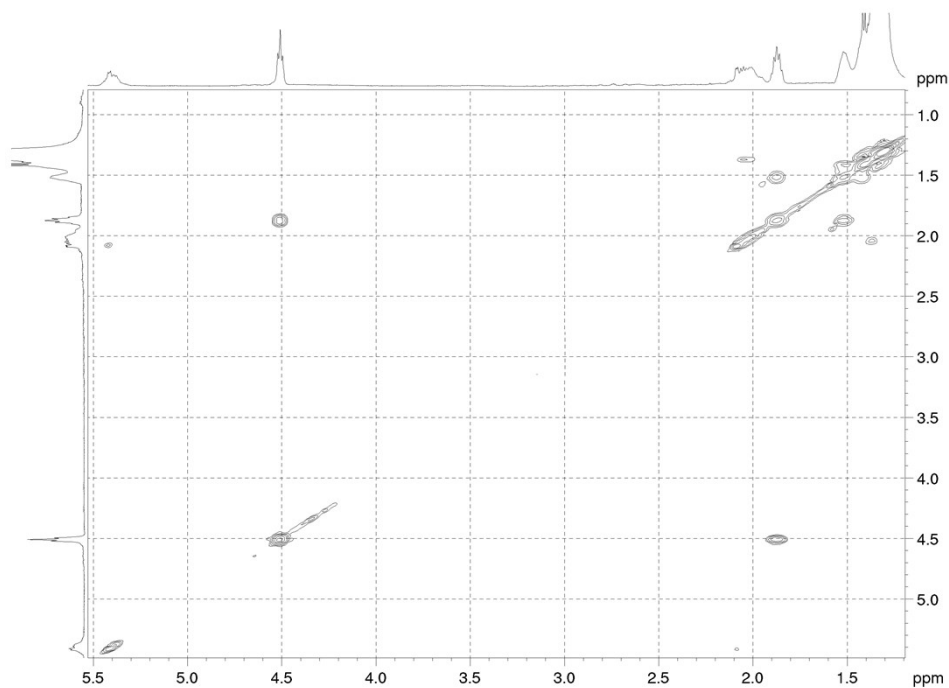


Figure S42. Copy of COSY NMR spectra of compound **15**

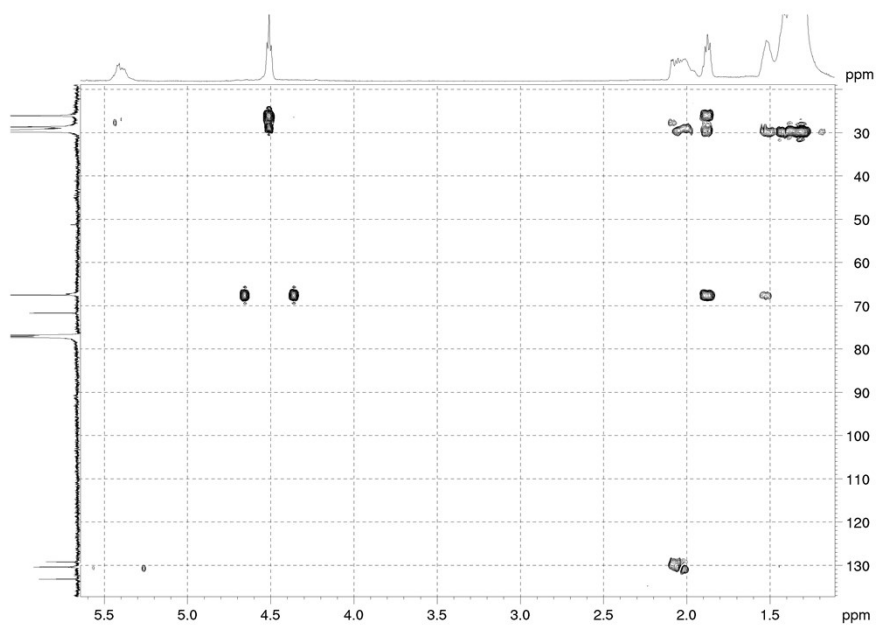


Figure S43. Copy of HMBC NMR spectra of compound **15**

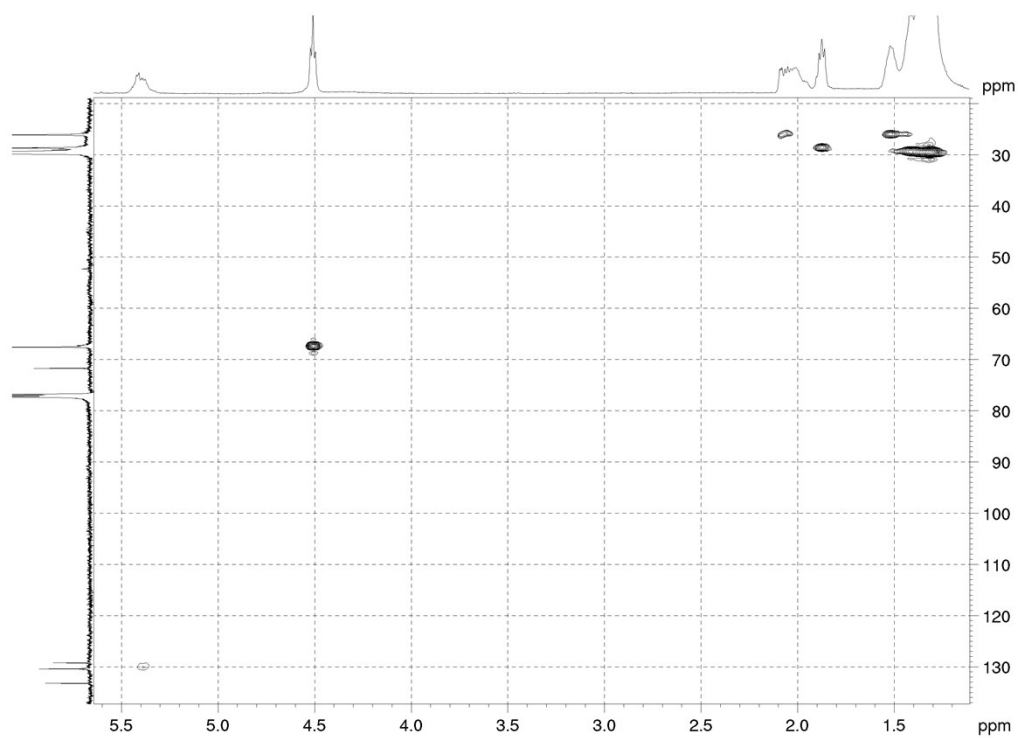


Figure S44. Copy of HSQC NMR spectra of compound **15**

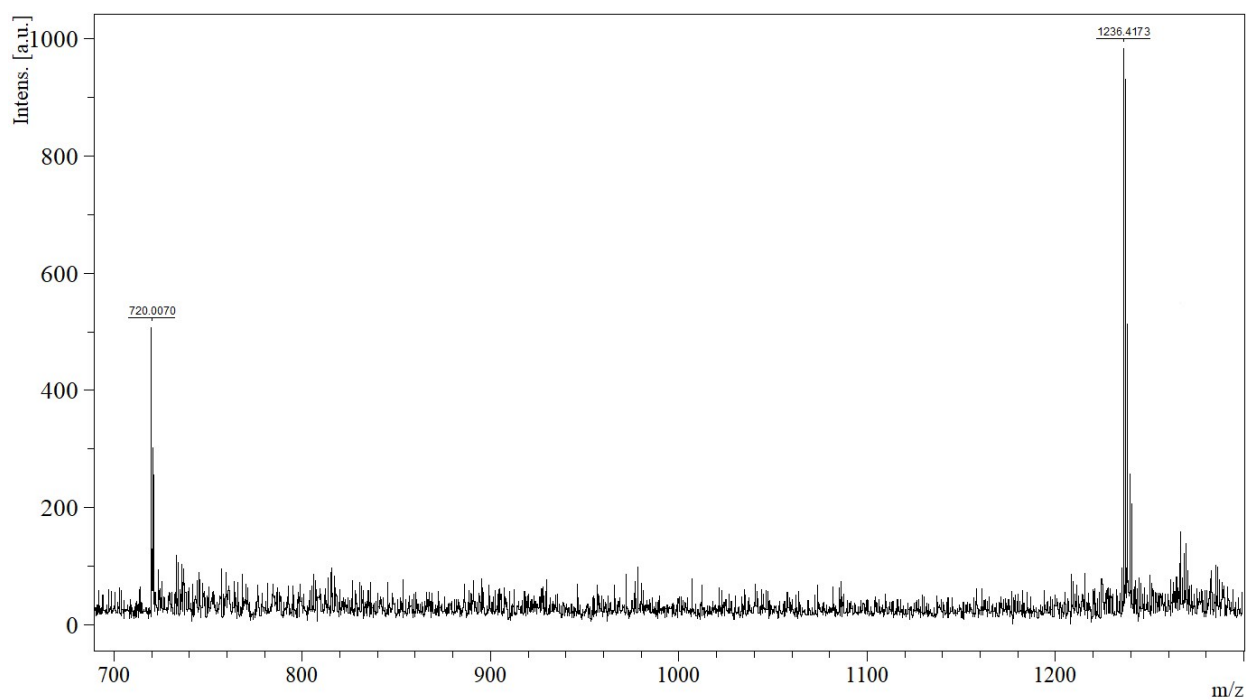


Figure S45. Copy of MALDI TOF spectra of compound **15**

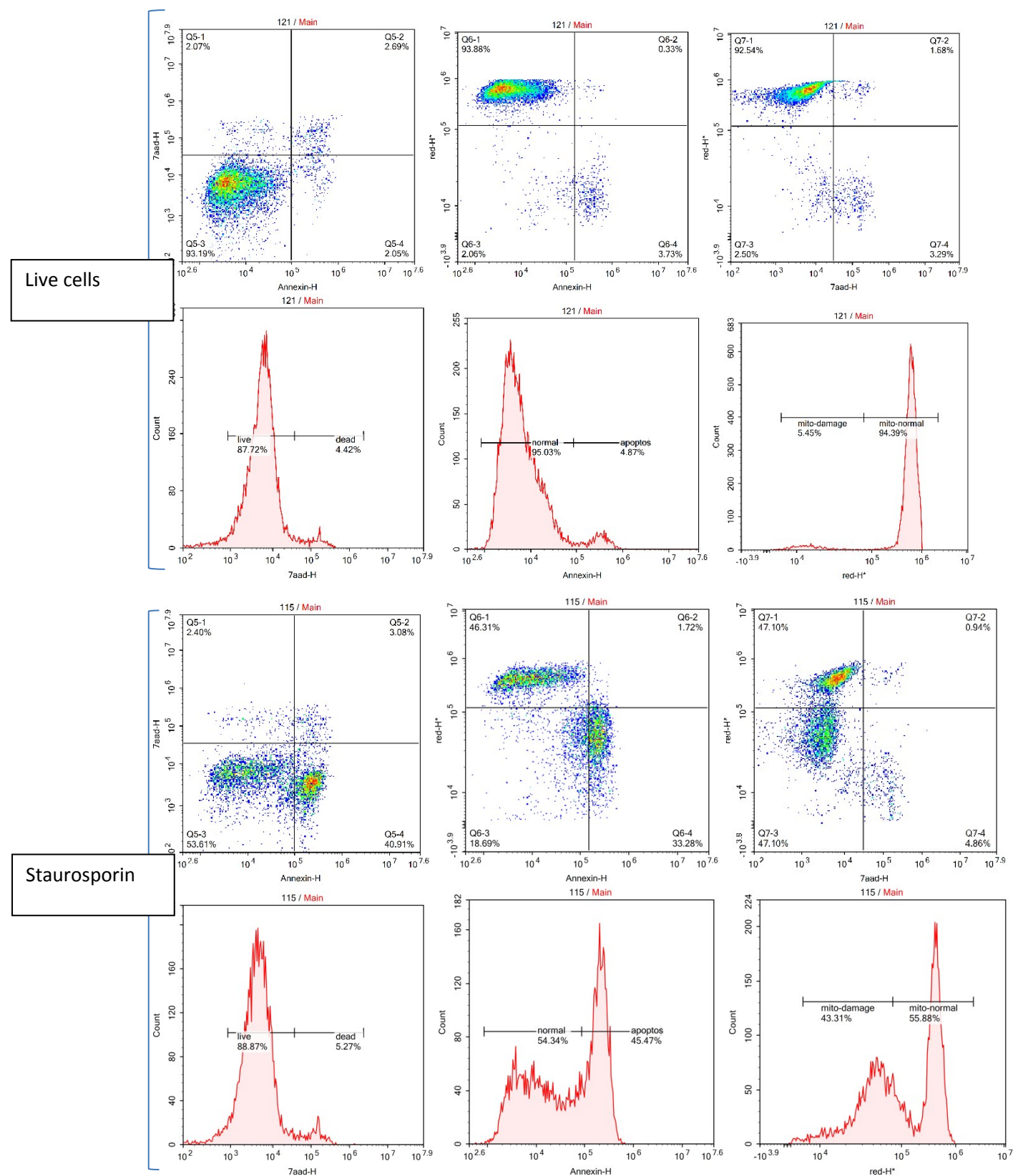


Figure S46. Detection of changes in mitochondrial membrane potential ($\Delta\Psi$) and associated early and late apoptosis in Jurkat cells treated with staurosporine at a concentration of 0.2 μM and live cells. C Cells were stained with MitoSenseRed, Annexin V — CF488A and 7-AAD. Incubation time made 4 hours.