

Supporting Information

New steroidal saponins from the rhizomes of *Paris mairei*

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Figure 1. Positive HR-ESI-MS spectrum of Compound 1.

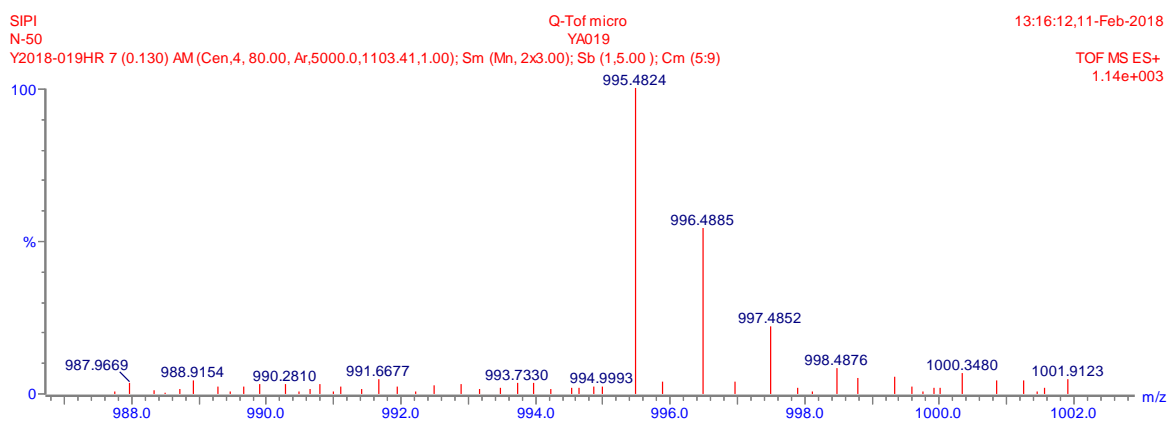


Figure S2. ESI-MS spectrum of Compound 1

Figure S4. ^{13}C NMR (201 MHz, CD_3OD) spectrum of compound **1**

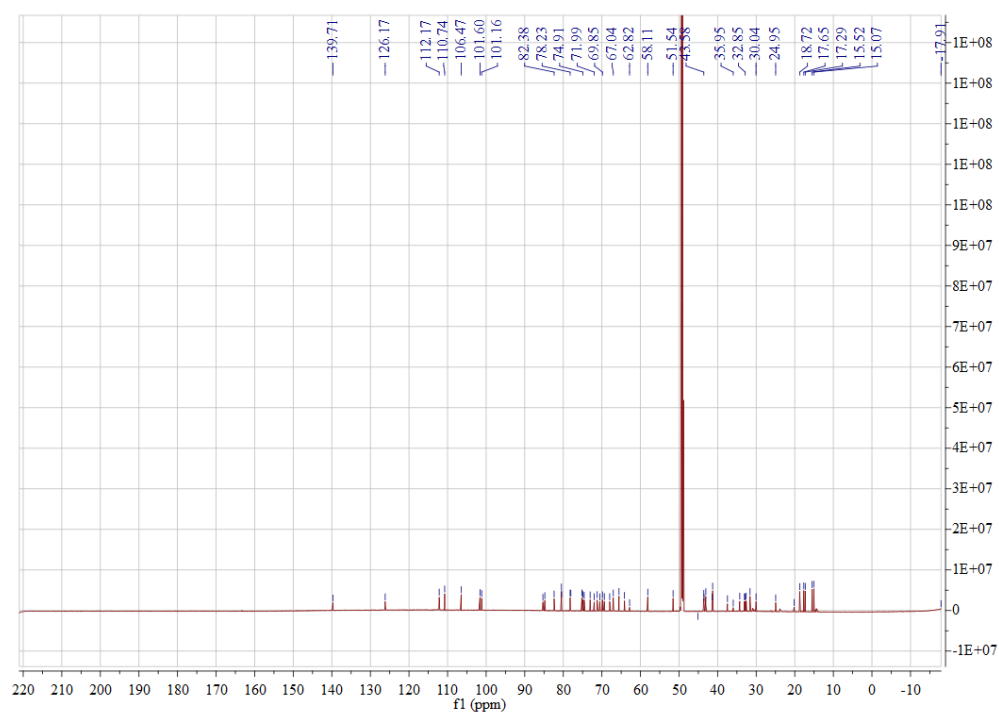


Figure S5. DEPT 90 spectrum of Compound **1**

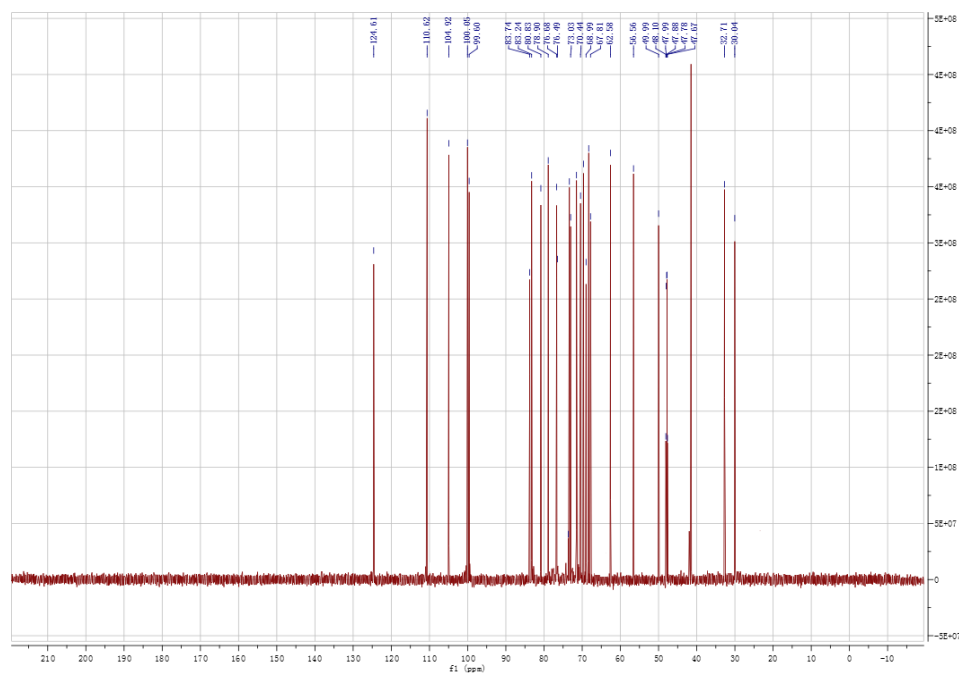


Figure S6. DEPT 135 spectrum of Compound **1**

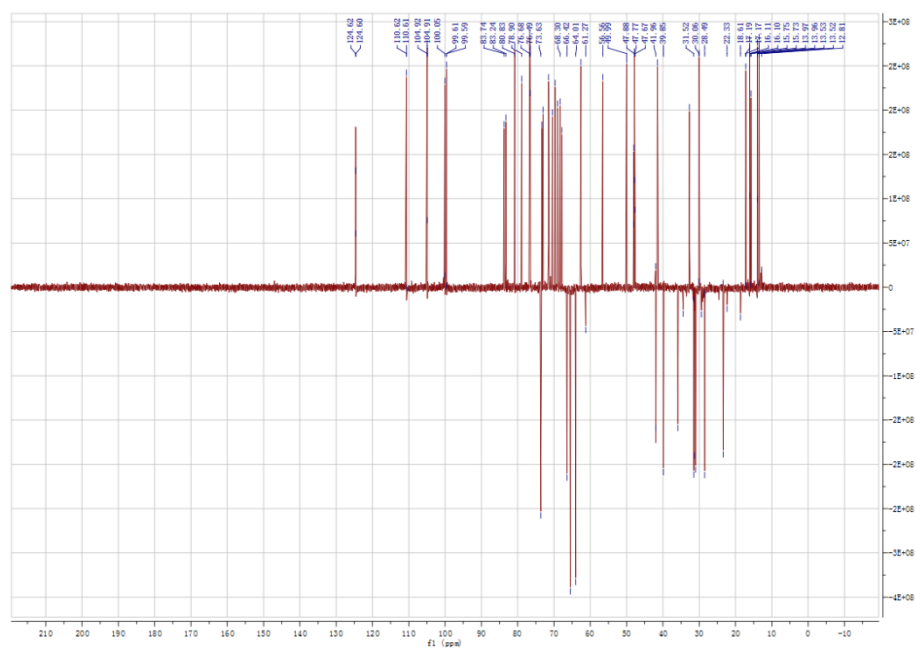


Figure S7. HSQC spectrum of Compound **1**

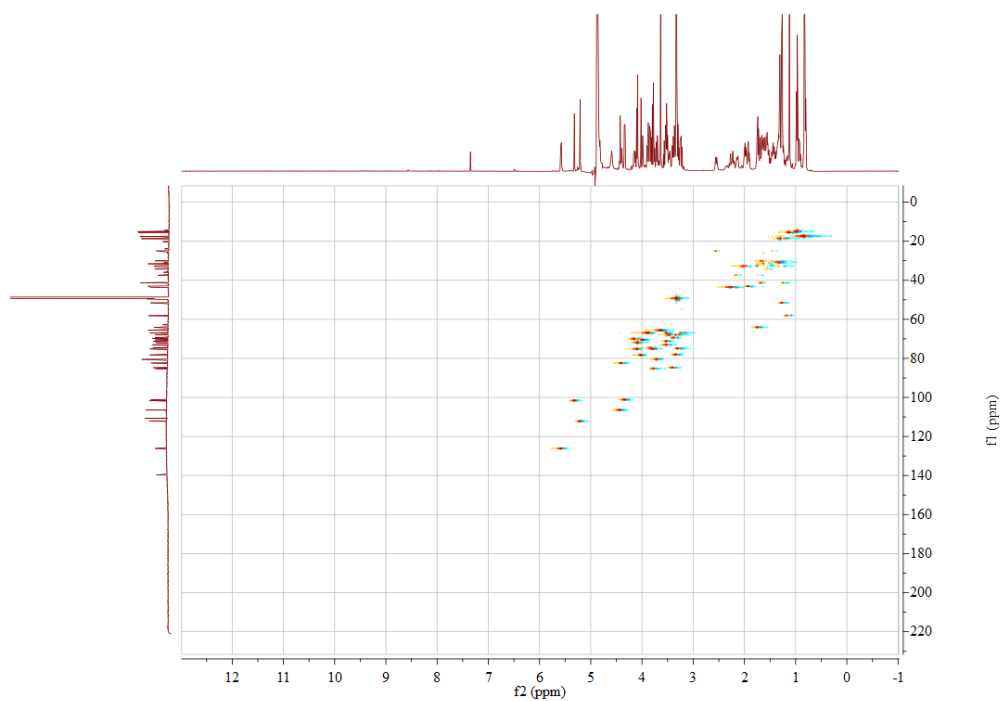


Figure S8. HMBC spectrum of Compound **1**

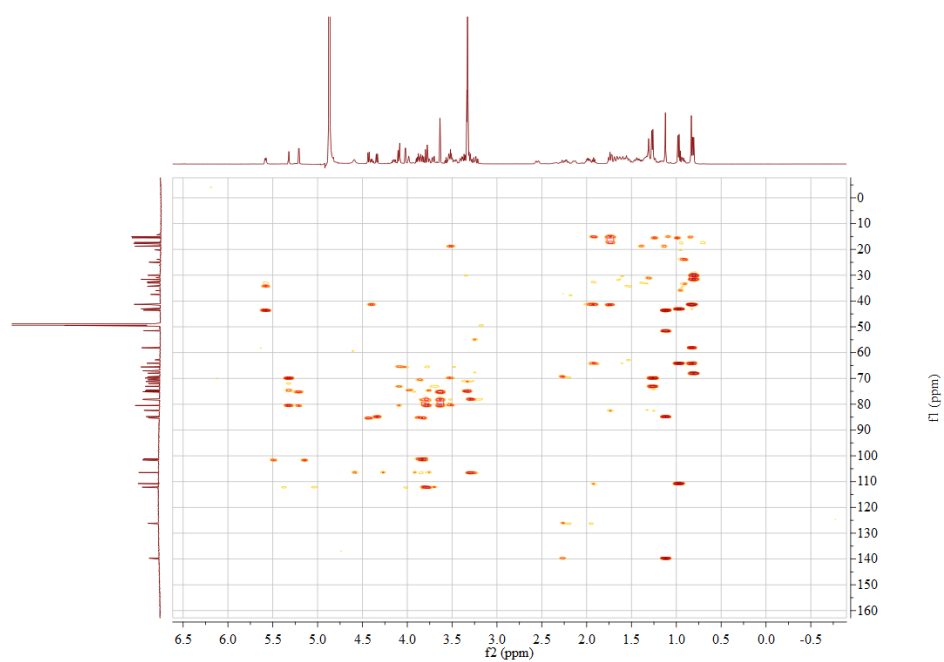


Figure S9. ^1H - ^1H COSY spectrum of Compound **1**

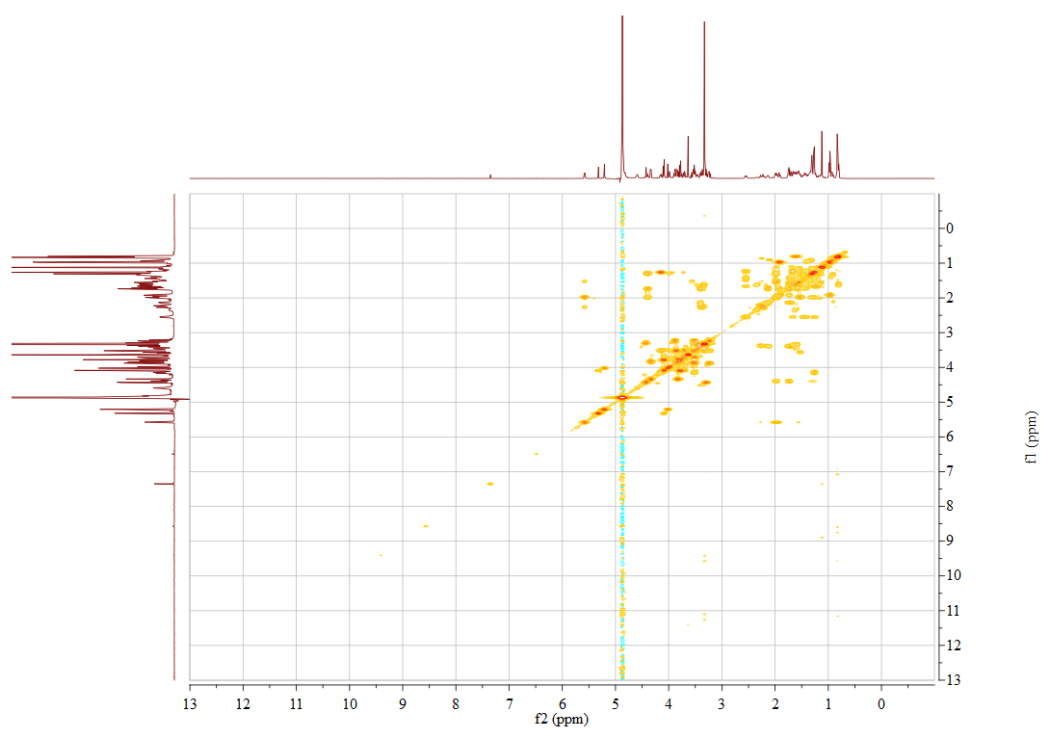


Figure S10. NOESY spectrum of Compound **1**

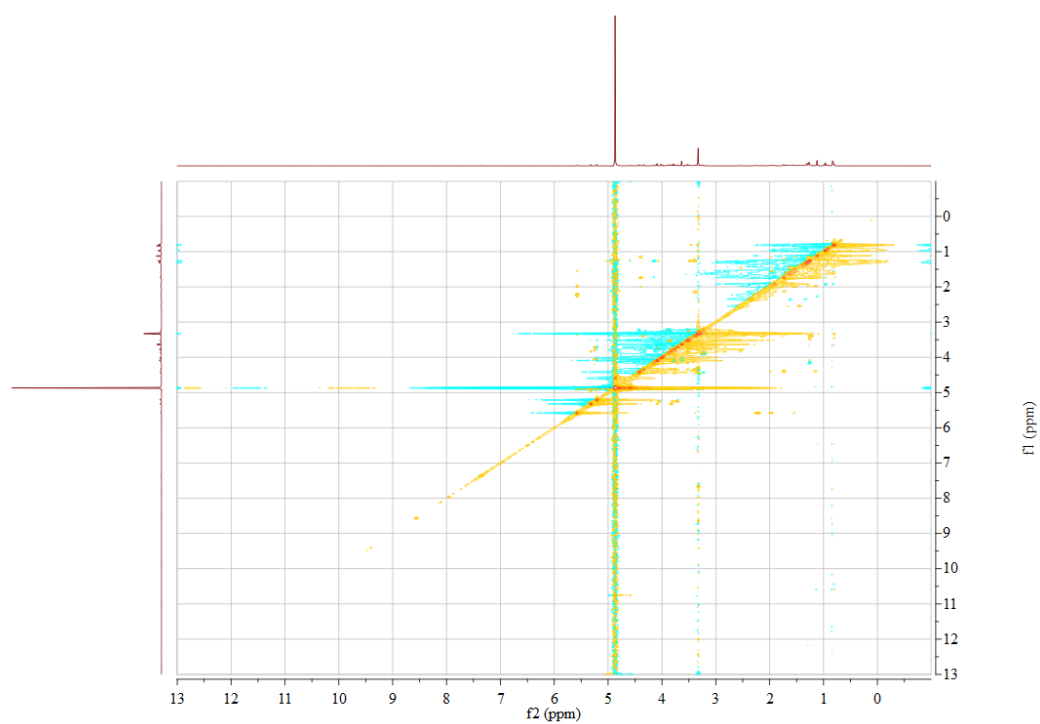


Figure S11. TOCSY spectrum of compound **1**

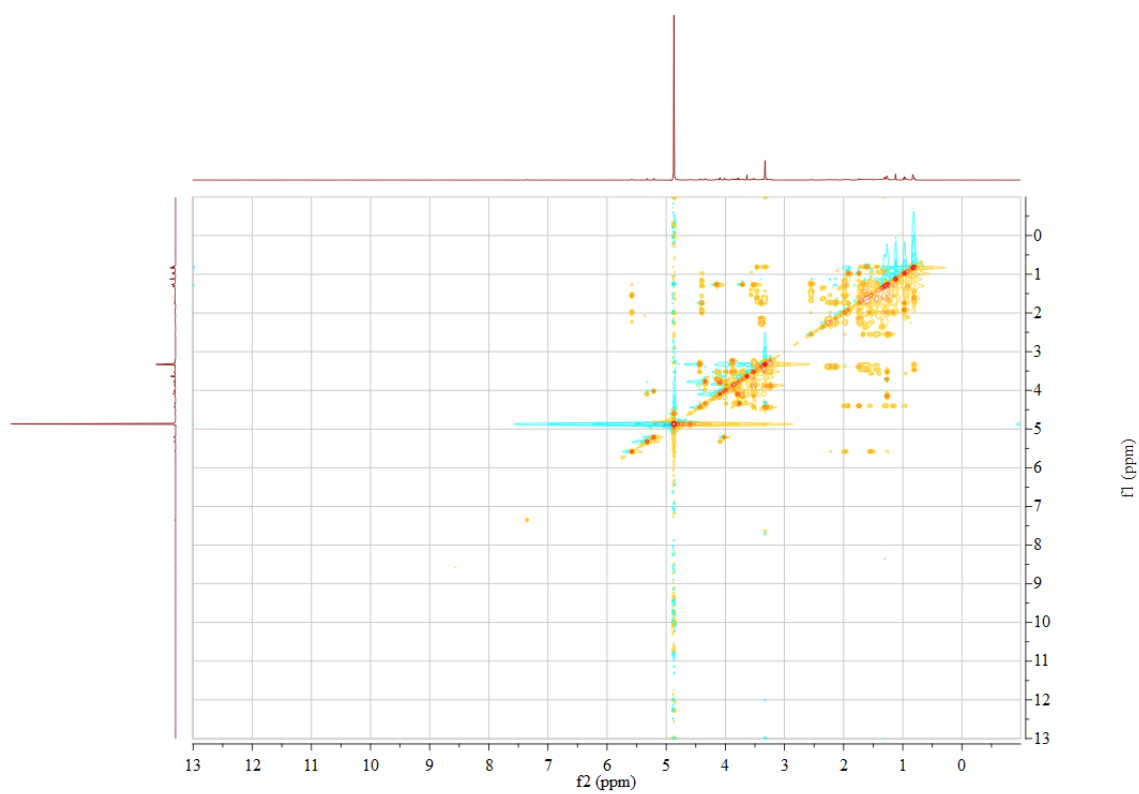


Figure S12. Positive HR-ESI-MS spectrum of Compound 2

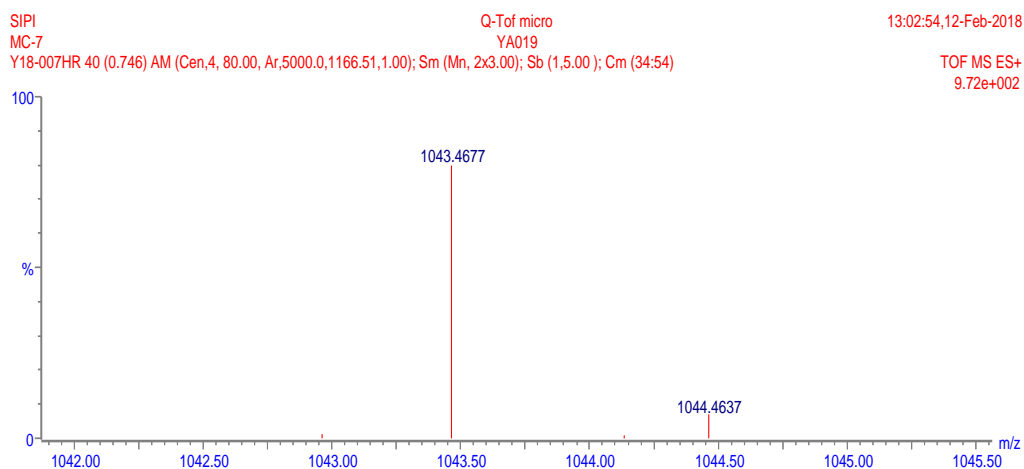


Figure S13. Positive ESI-MS spectrum of Compound 2

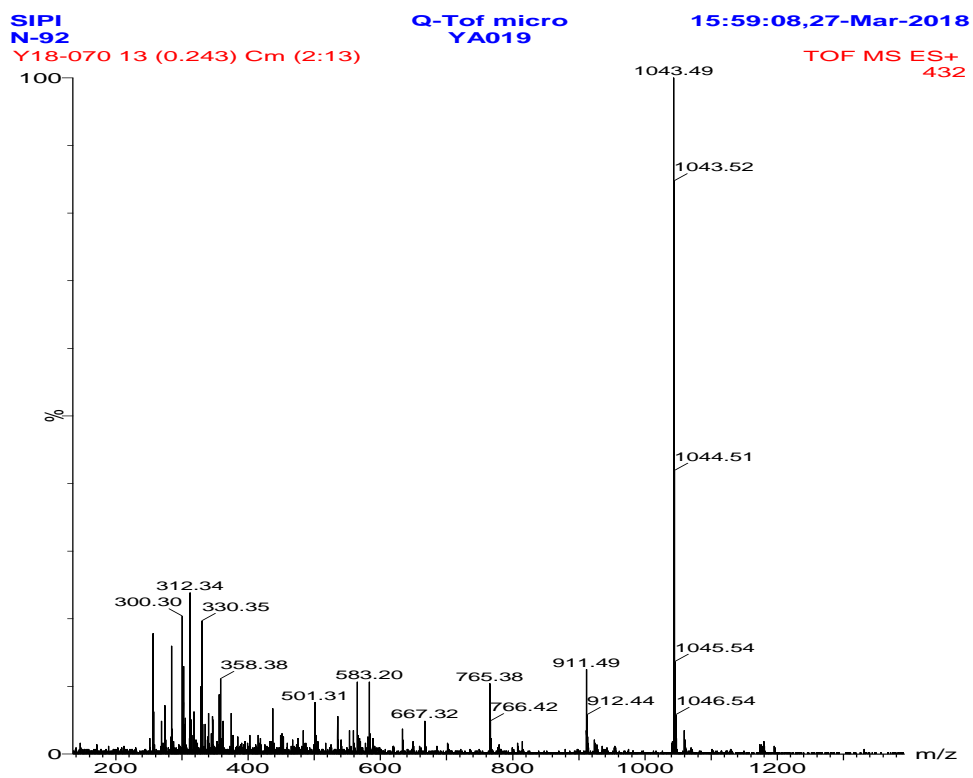


Figure S14. ^1H -NMR spectrum of Compound 2

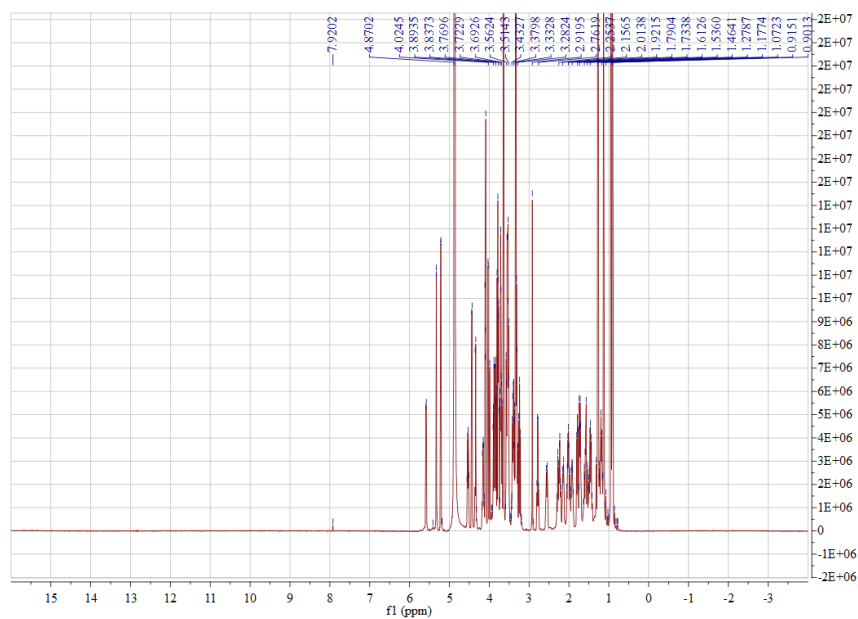


Figure S15. ¹³C-NMR spectrum of Compound 2

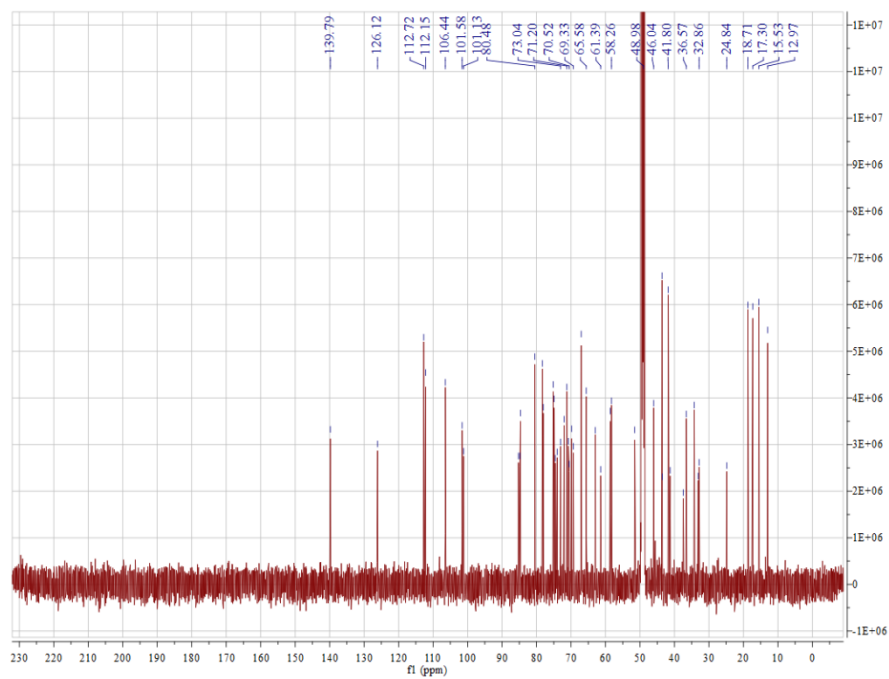


Figure S16. DEPT 90 spectrum of Compound 2

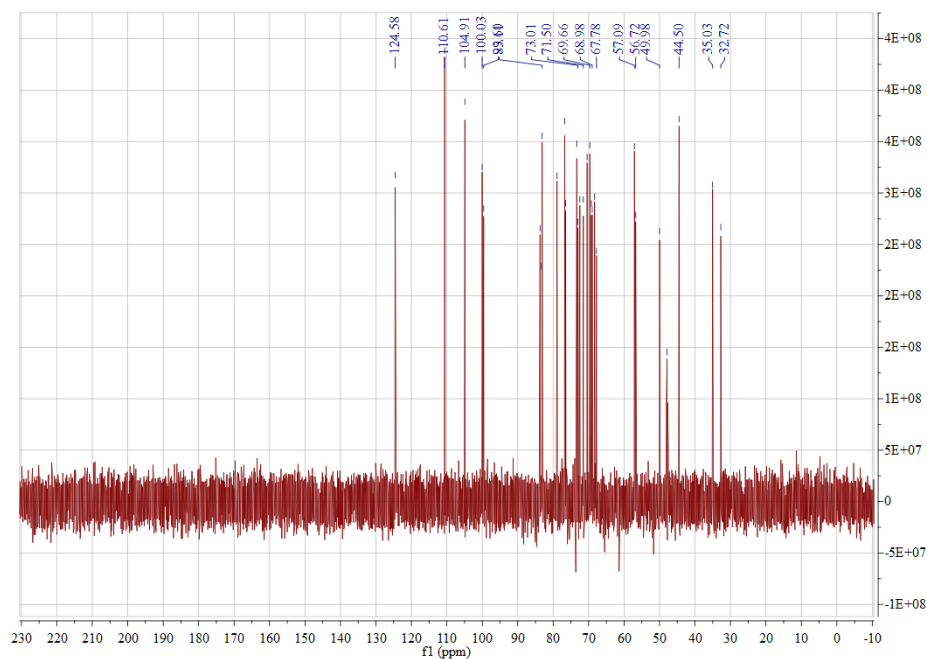


Figure S17. DEPT 135 spectrum of Compound 2

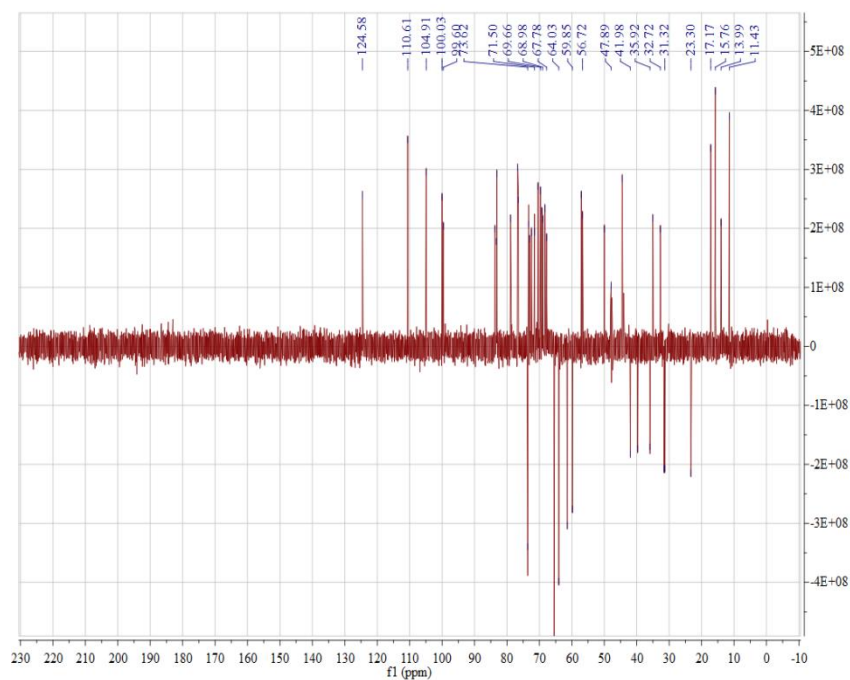


Figure S18. HSQC spectrum of Compound **2**

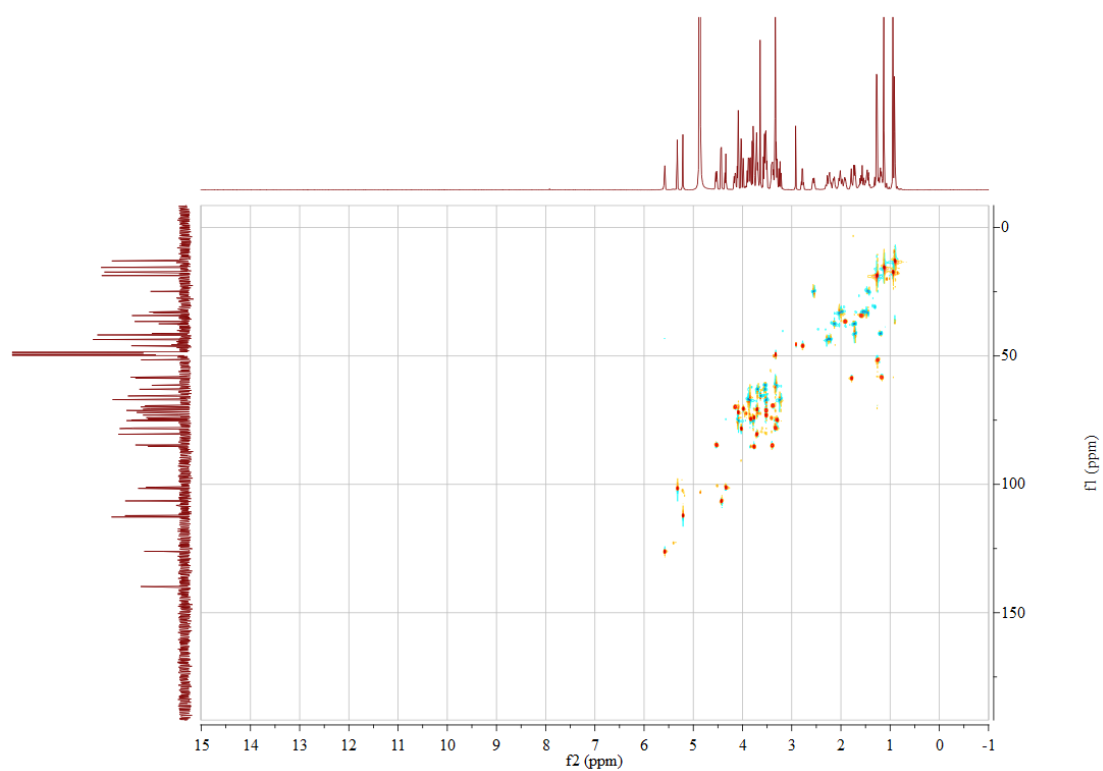


Figure S19. HMBC spectrum of Compound **2**

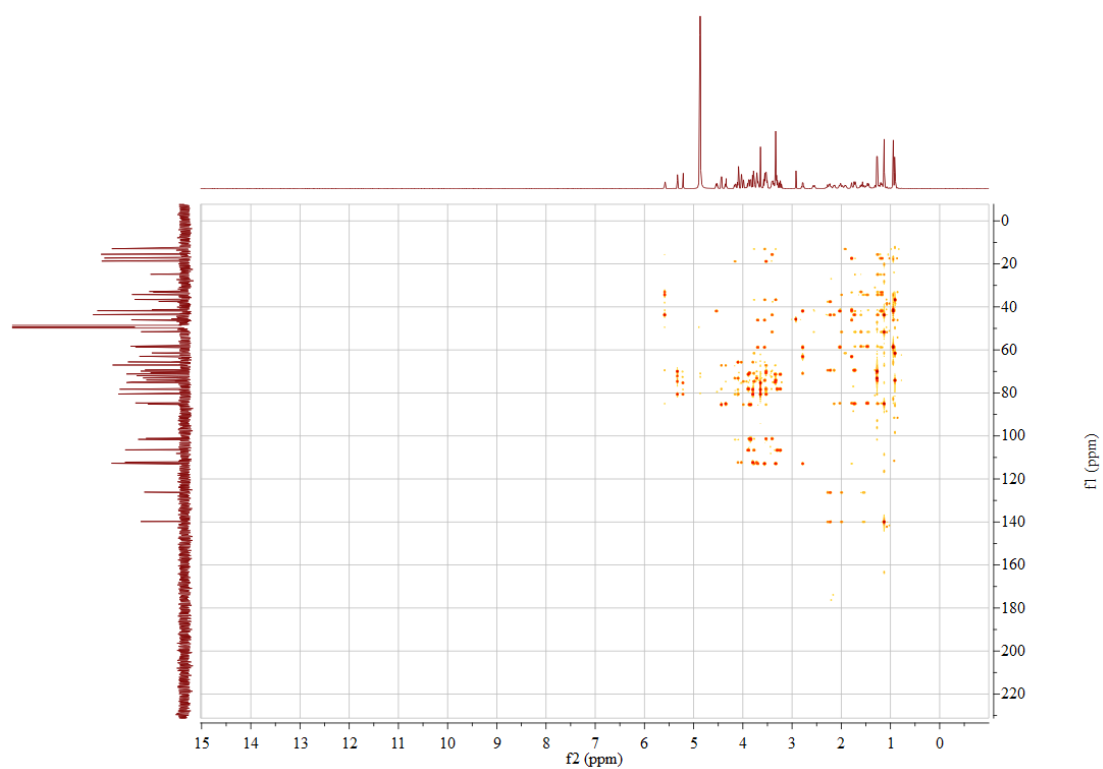


Figure S20. ^1H - ^1H COSY spectrum of Compound **2**

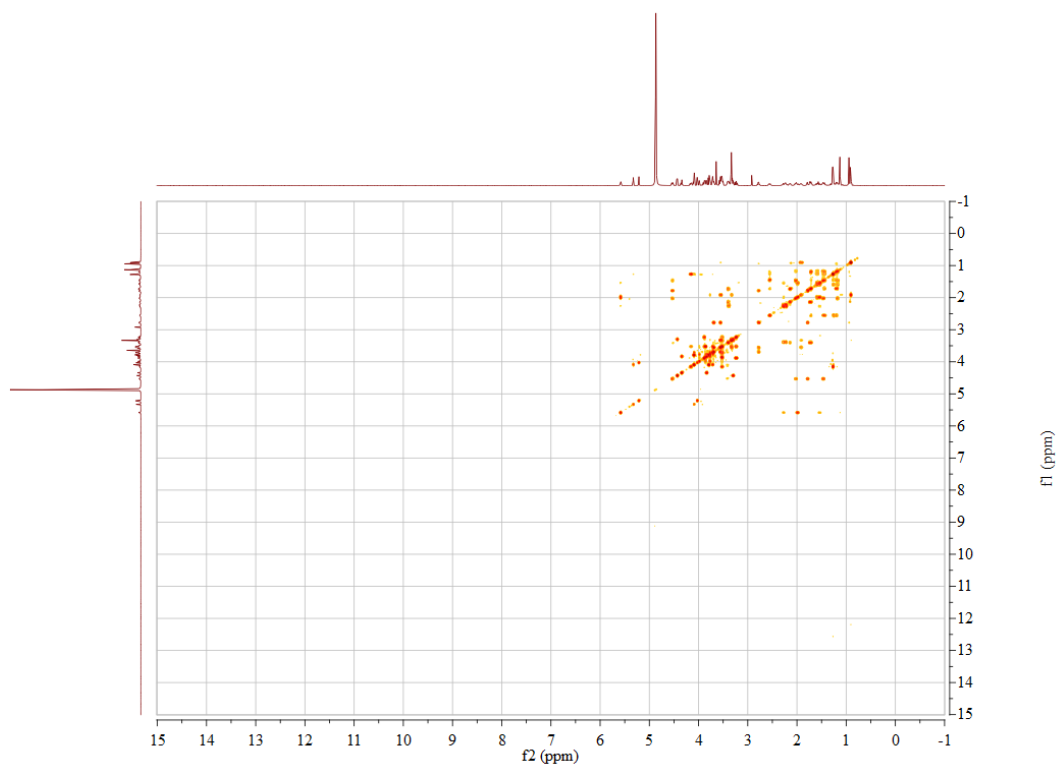


Figure S21. NOESY spectrum of Compound **2**

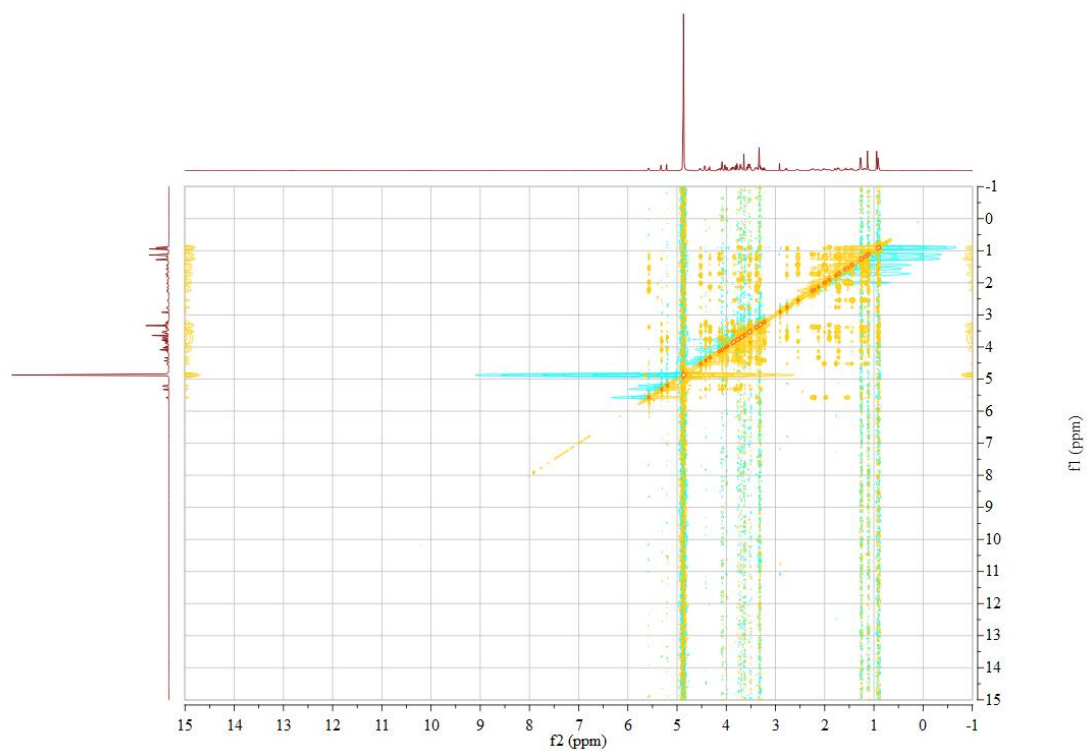
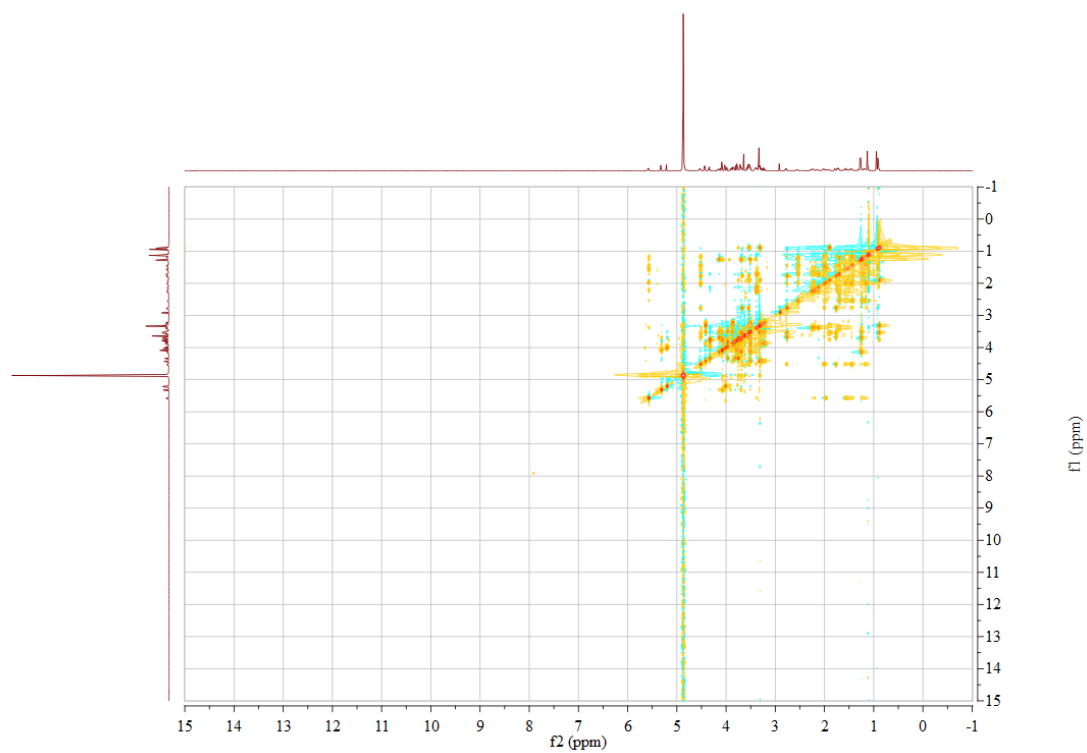


Figure S22. TOCSY spectrum of Compound 2



SIPI
N-31
Y18-015HR 7 (0.130) AM (Cen,4, 80.00, Ar,5000.0,907.45,1.00); Sm (Mn, 2x3.00); Sb (1,5.00); Cm (4:45)

Q-Tof micro
YA019

14:31:58,11-Feb-2018

TOF MS ES+
5.68e+003

Mass spectrum plot showing relative intensity (%) versus m/z. The x-axis ranges from 992.00 to 997.50. The y-axis ranges from 0 to 100. Major peaks are labeled with their m/z values: 992.5363, 993.3932, 993.9587, 994.3983, 994.9063, 995.4756, 995.9652, and 996.5081. The peak at 993.3932 is the base peak with 100% intensity.

SIL1
N-31
 Y18-015 5 (0.093) Cm (4:6)

Q-ToF micro
YA019
 11:17:26,17-Jan-2018
 TOF MS ES+
 1.37e3

100
 0
 %
 m/z

167.10 195.13 206.12 312.38 379.17 485.26 525.21 541.22 542.26 611.43 687.28 717.32 861.48 951.52 993.48 994.52 995.53 996.53

Y18-015N 6 (0.111) Cm (1:7)

TOF MS ES-
 151

100
 0
 %
 m/z

167.06 175.03 193.04 319.05 337.08 341.08 447.08 499.08 517.09 518.11 519.11 663.13 693.10 694.09 853.30 867.22 927.26 969.28 970.30 1005.22 1007.33 1033.25

Figure S25. ^1H -NMR spectrum of Compound **3**

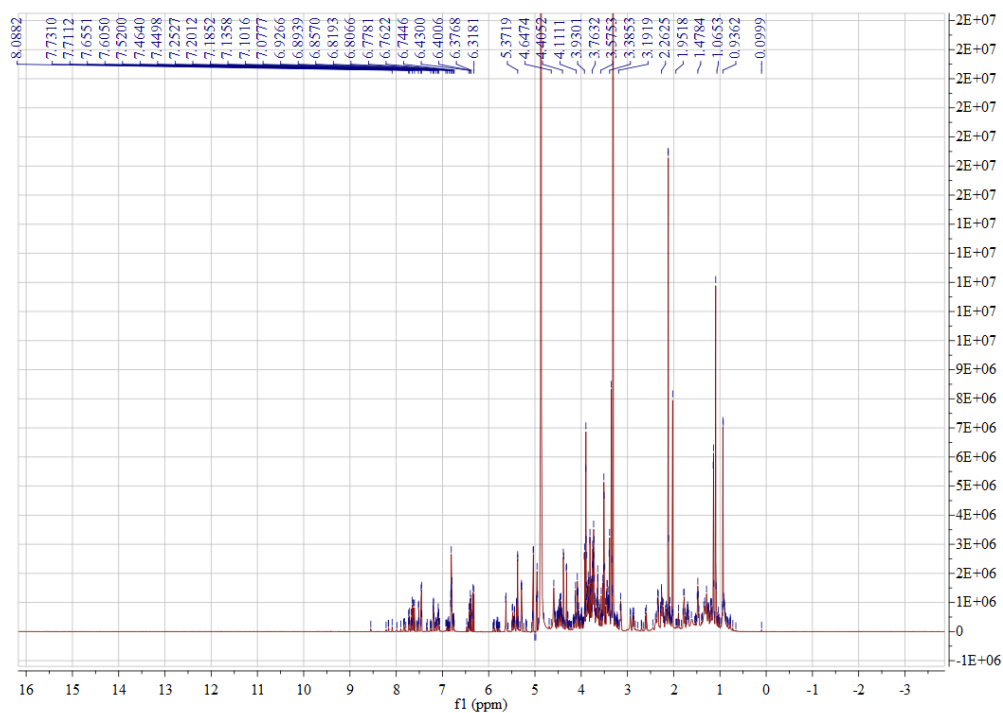


Figure S26. ^{13}C -NMR spectrum of Compound **3**

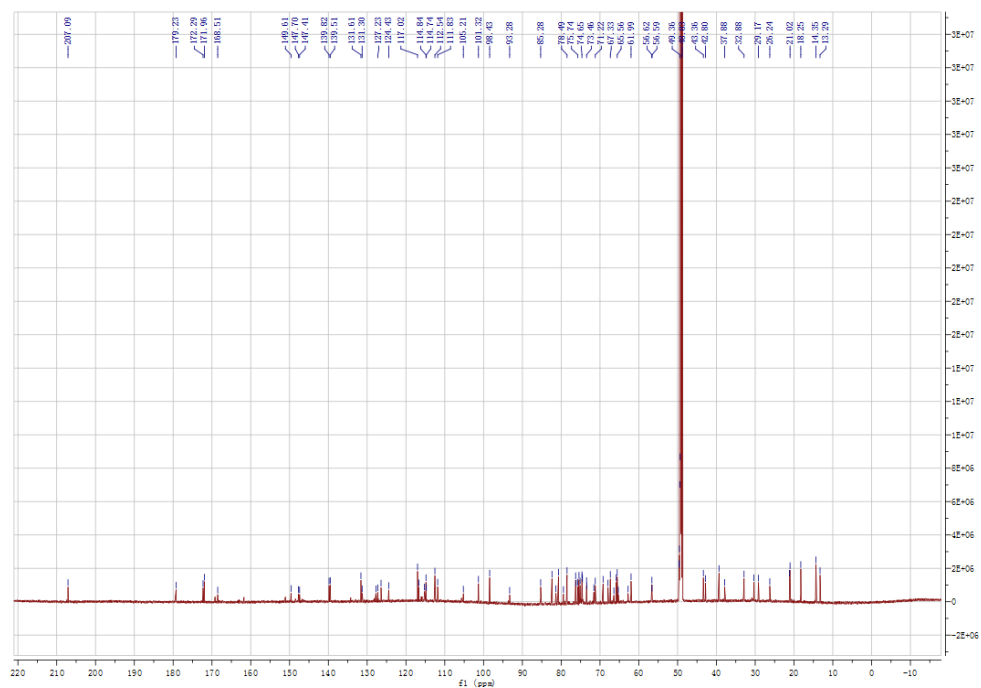


Figure S27. DEPT 90 spectrum of Compound **3**

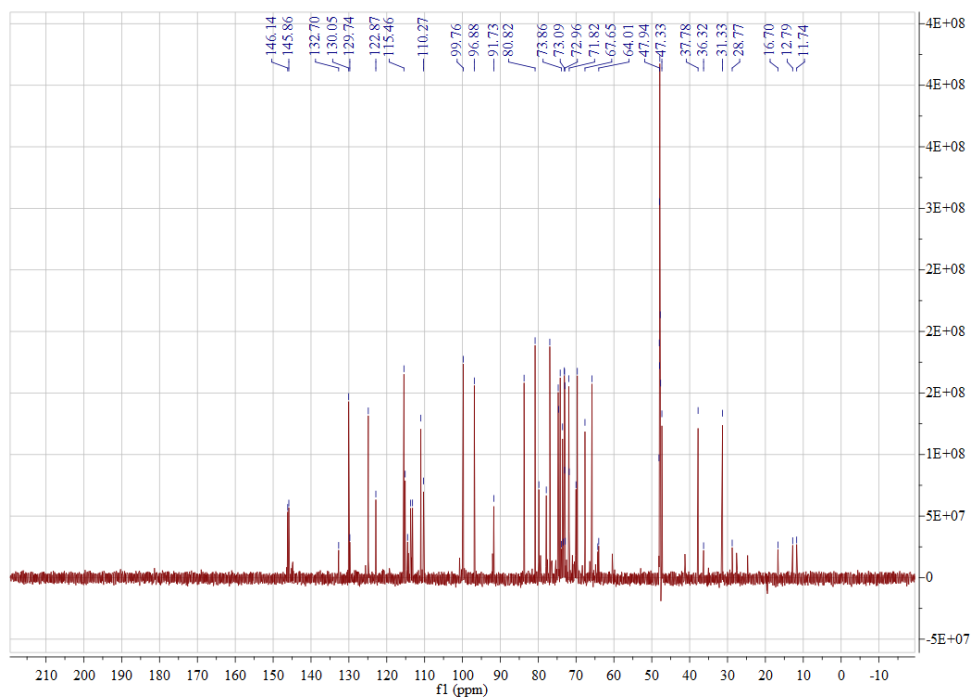


Figure S28. DEPT 135 spectrum of Compound **3**

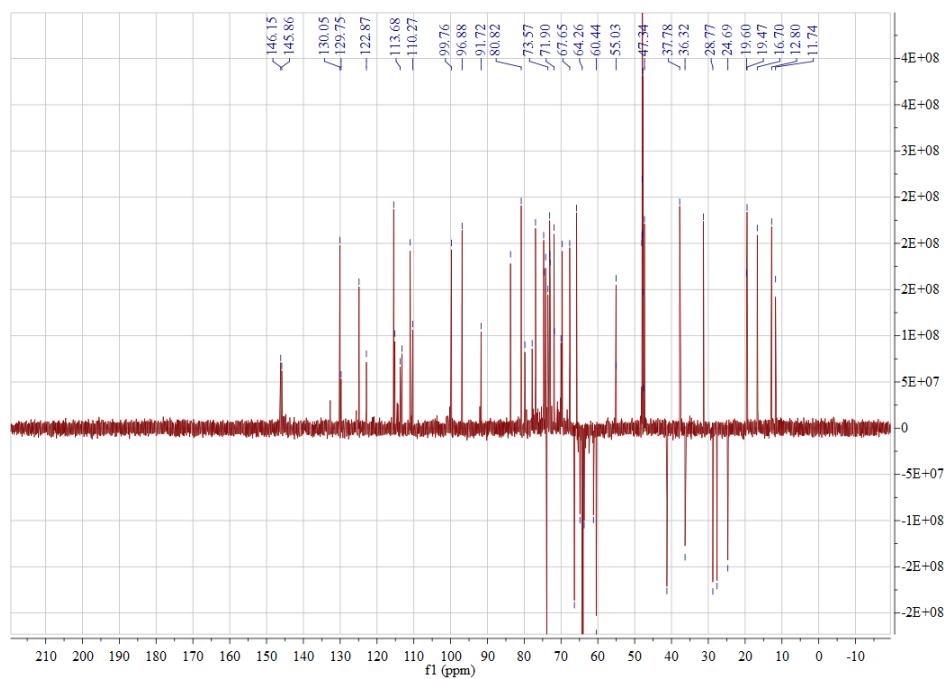


Figure S29. HSQC spectrum of Compound **3**

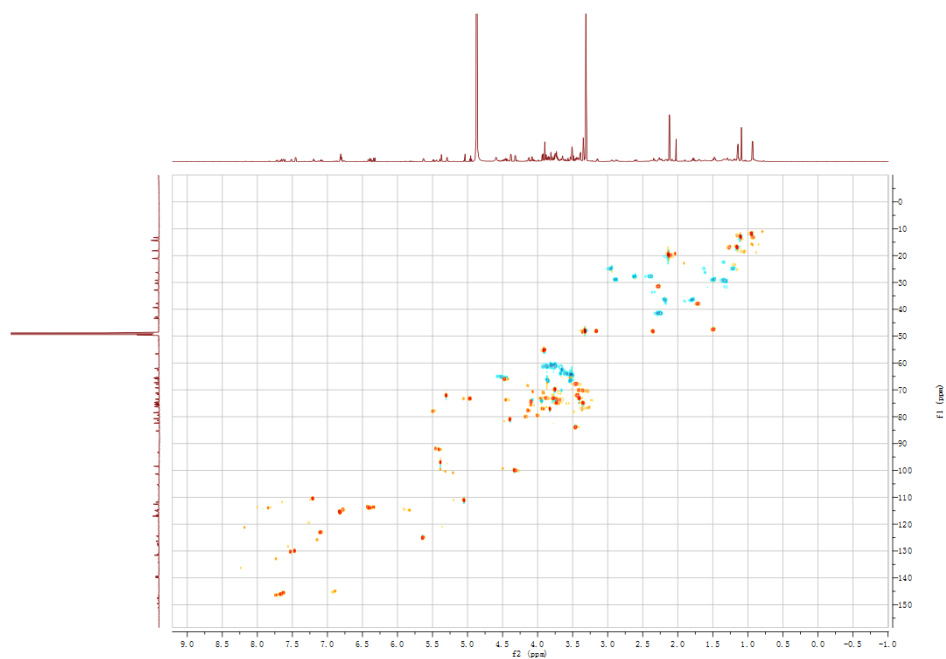


Figure S30. HMBC spectrum of Compound **3**

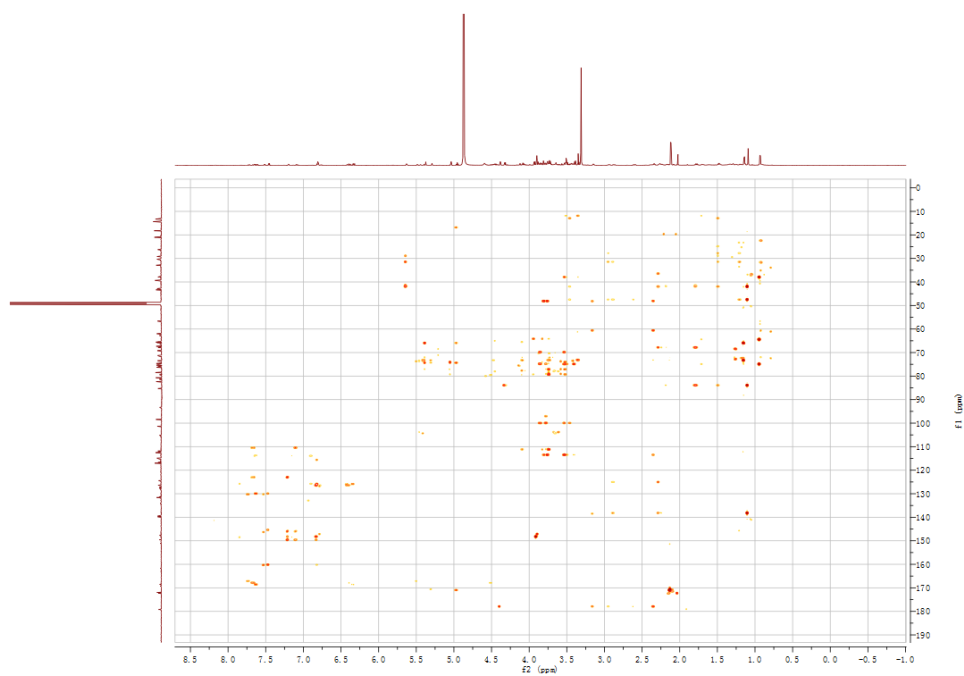


Figure S31. ^1H - ^1H COSY spectrum of Compound **3**

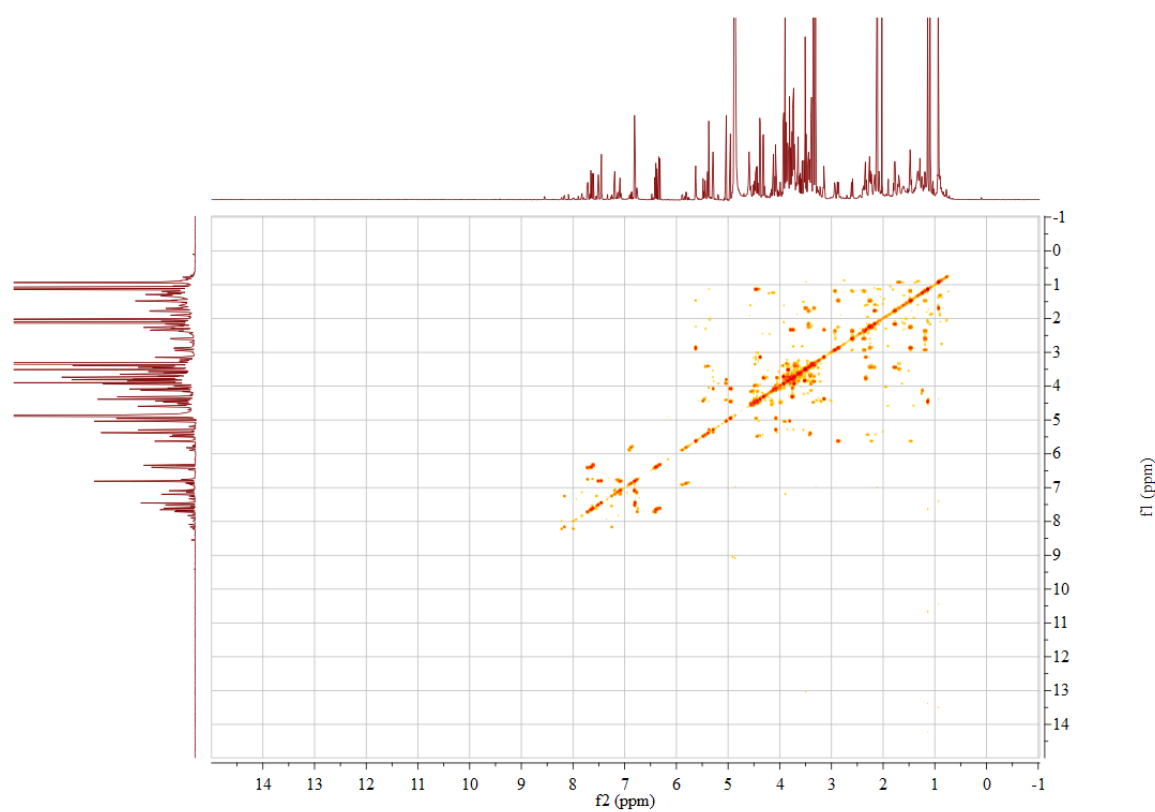


Figure S32. NOESY spectrum of Compound **3**

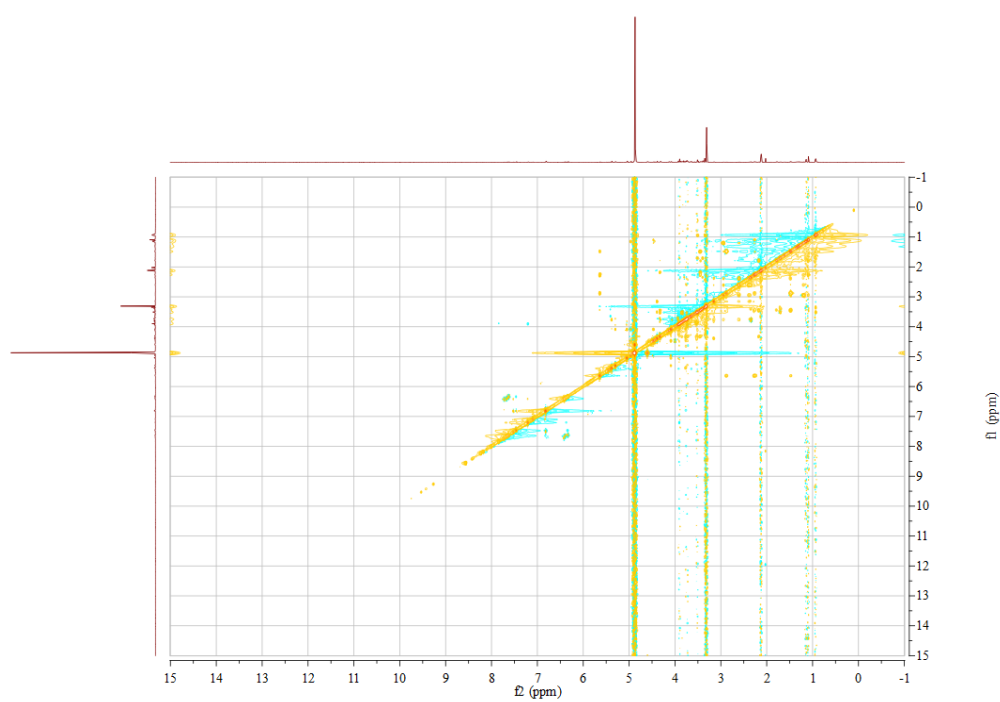


Figure S33. TOCSY spectrum of Compound **3**

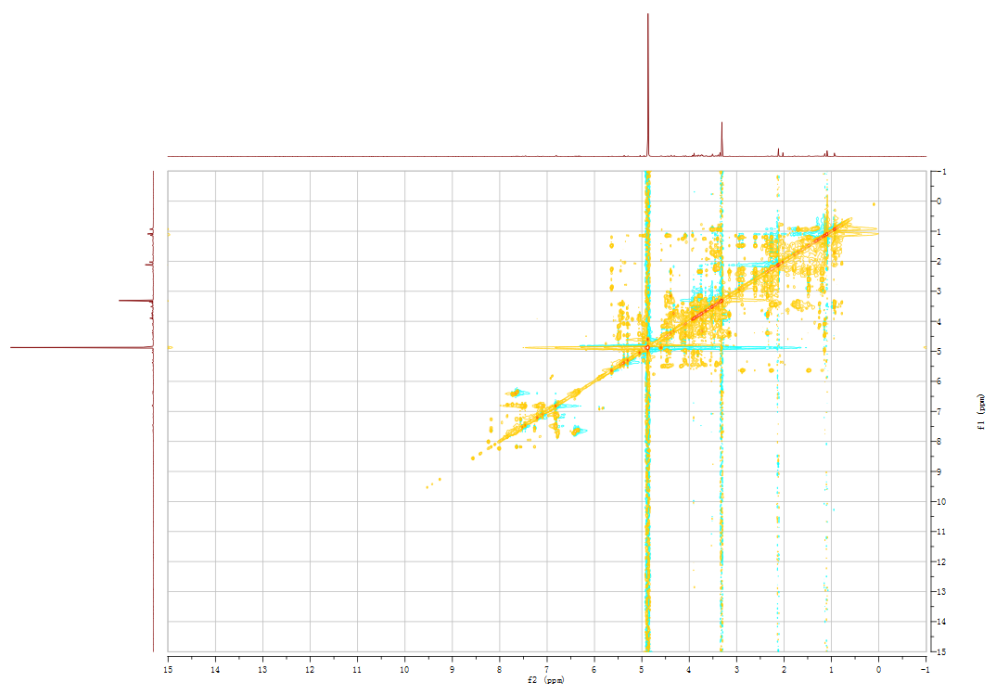


Figure S34. Positive HR-ESI-MS spectrum of Compound **4**

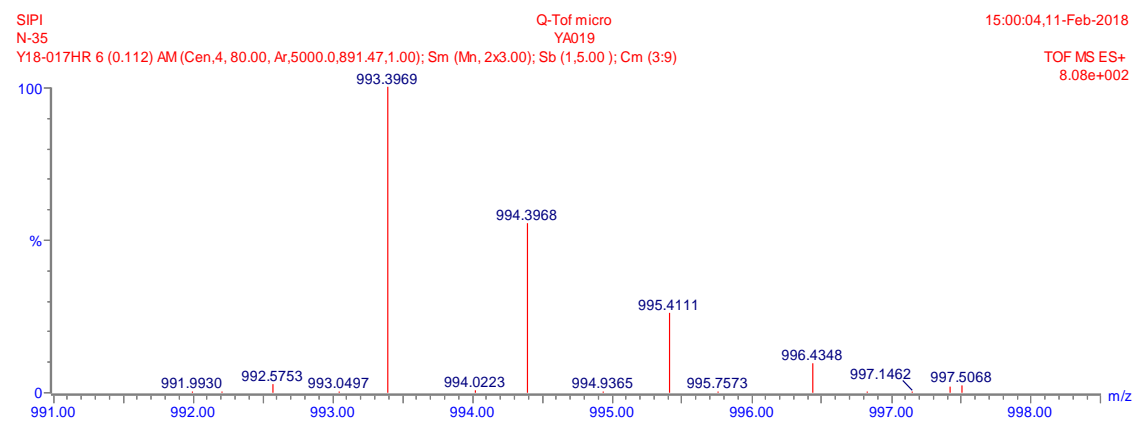


Figure S35. ESI-MS spectrum of Compound 4

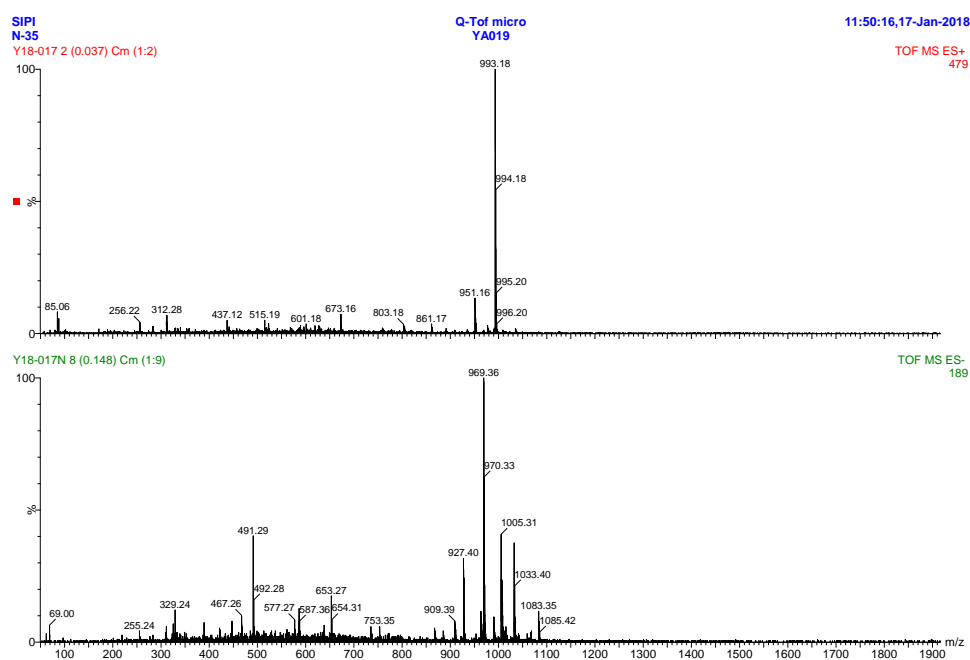


Figure S36. ^1H -NMR spectrum of Compound 4

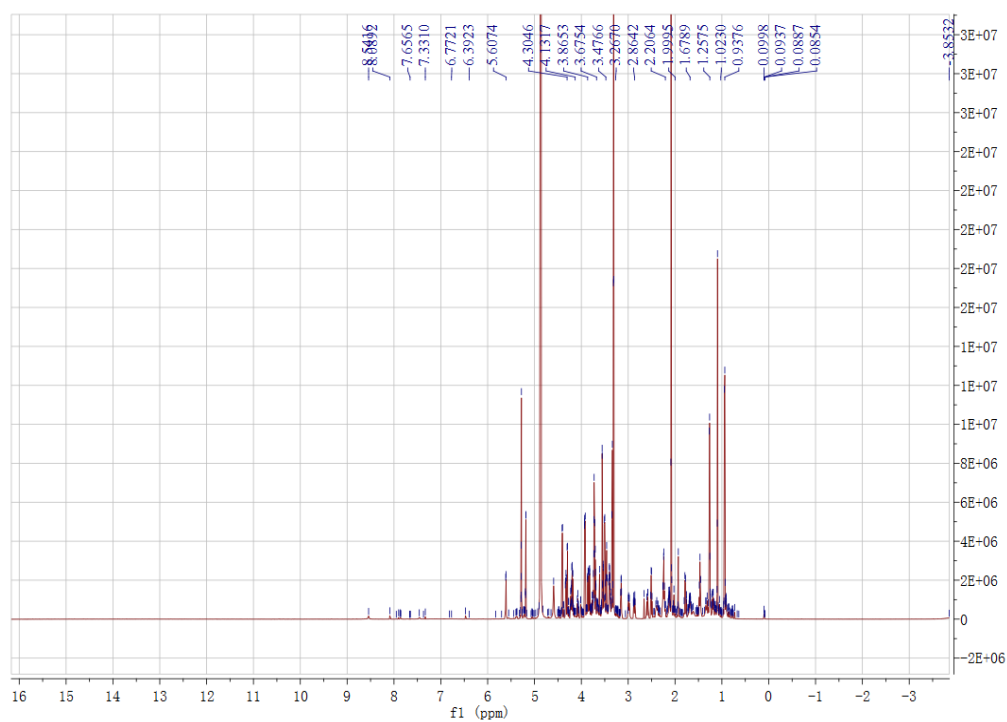


Figure S37. ^{13}C -NMR spectrum of Compound 4

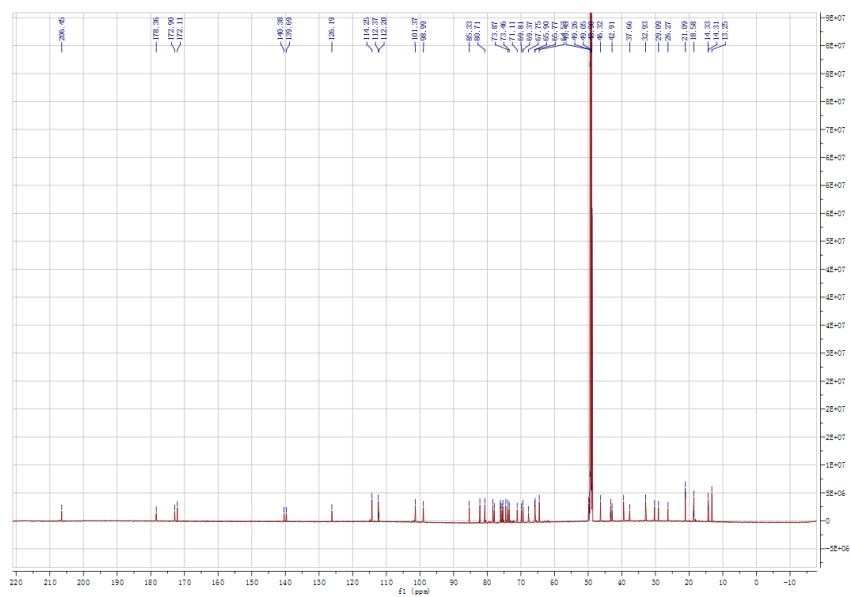


Figure S38. DEPT 90 spectrum of Compound 4

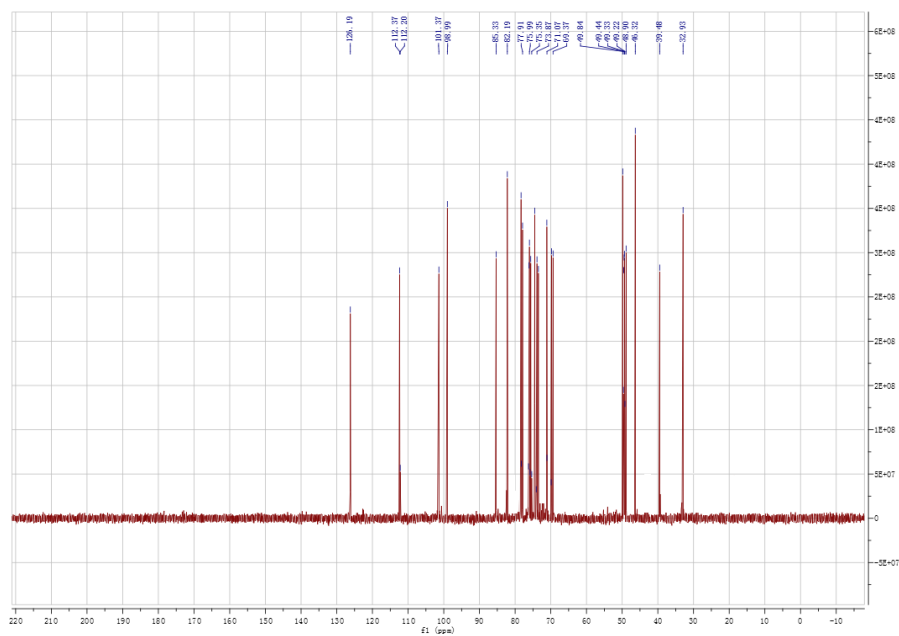


Figure S39. DEPT 135 spectrum of Compound 4

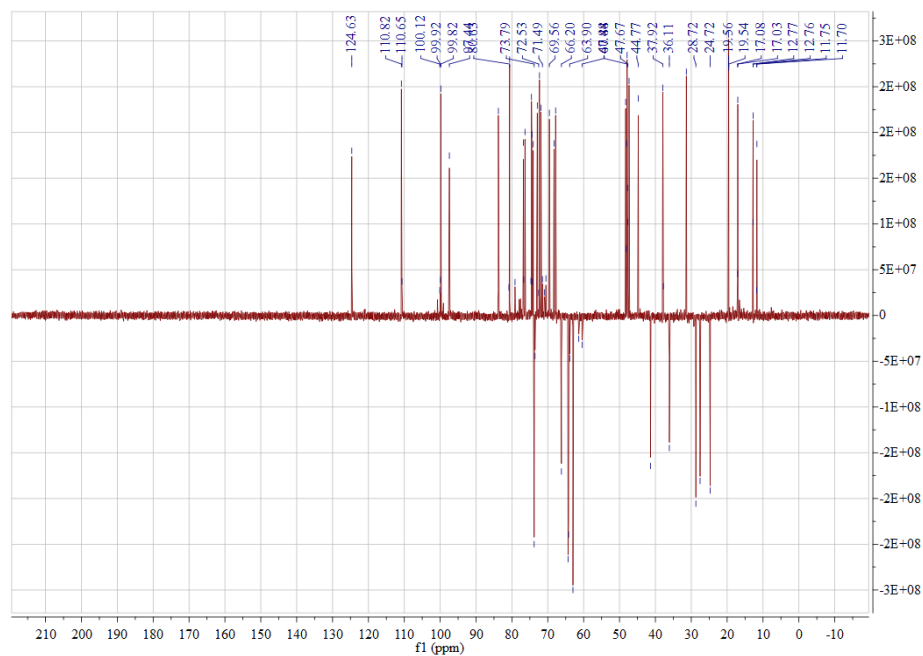


Figure S40. HSQC spectrum of Compound 4

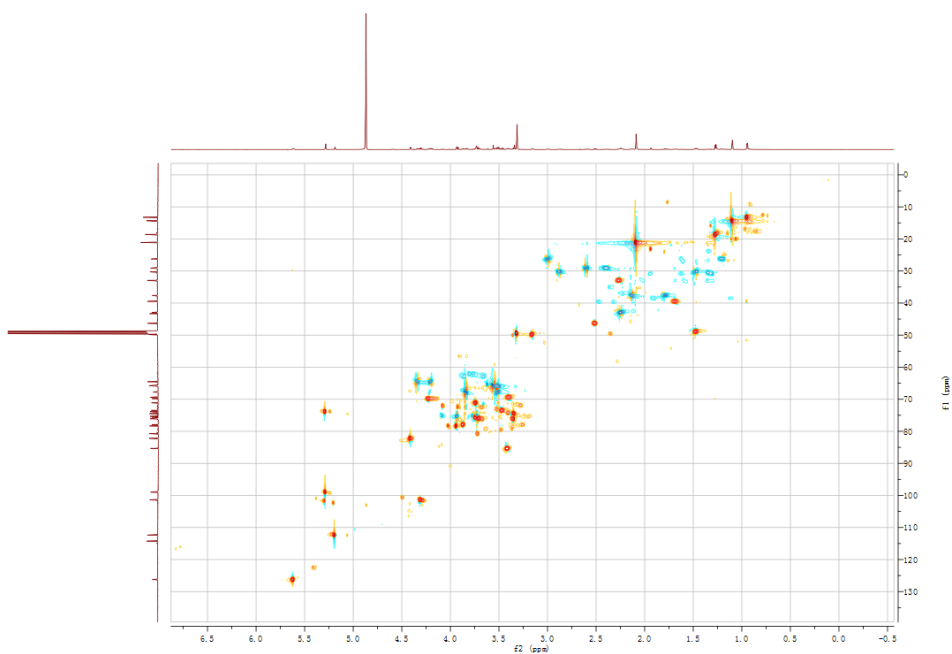


Figure S41. HMBC spectrum of Compound 4

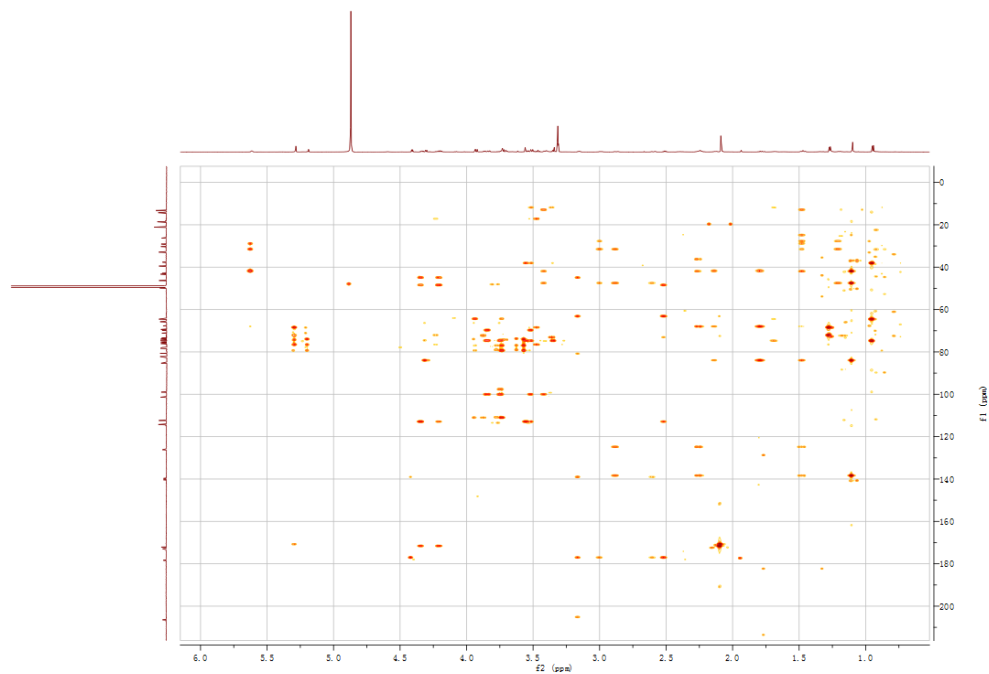


Figure S42. ^1H - ^1H COSY spectrum of Compound 4

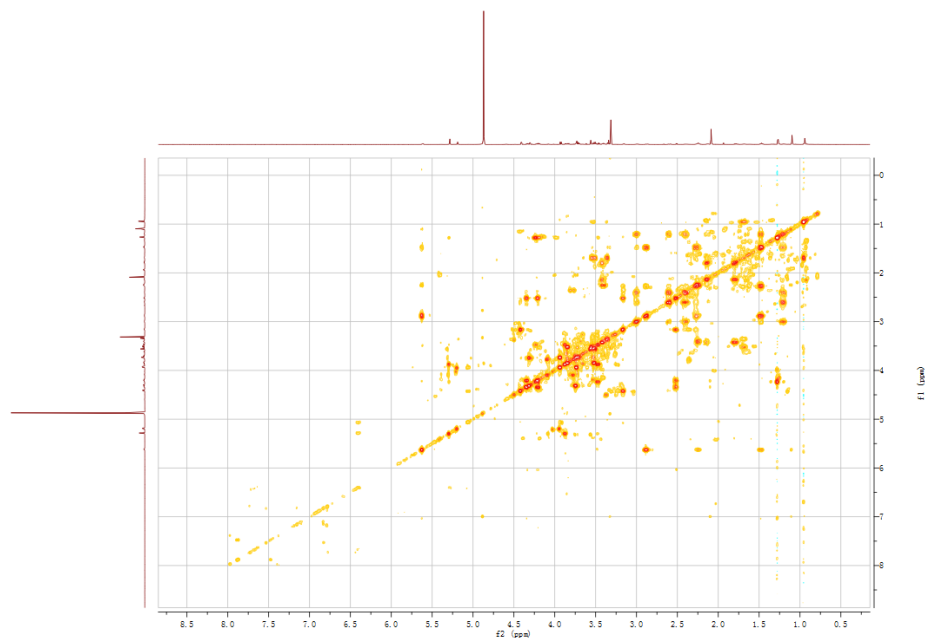


Figure S43. NOESY spectrum of Compound 4

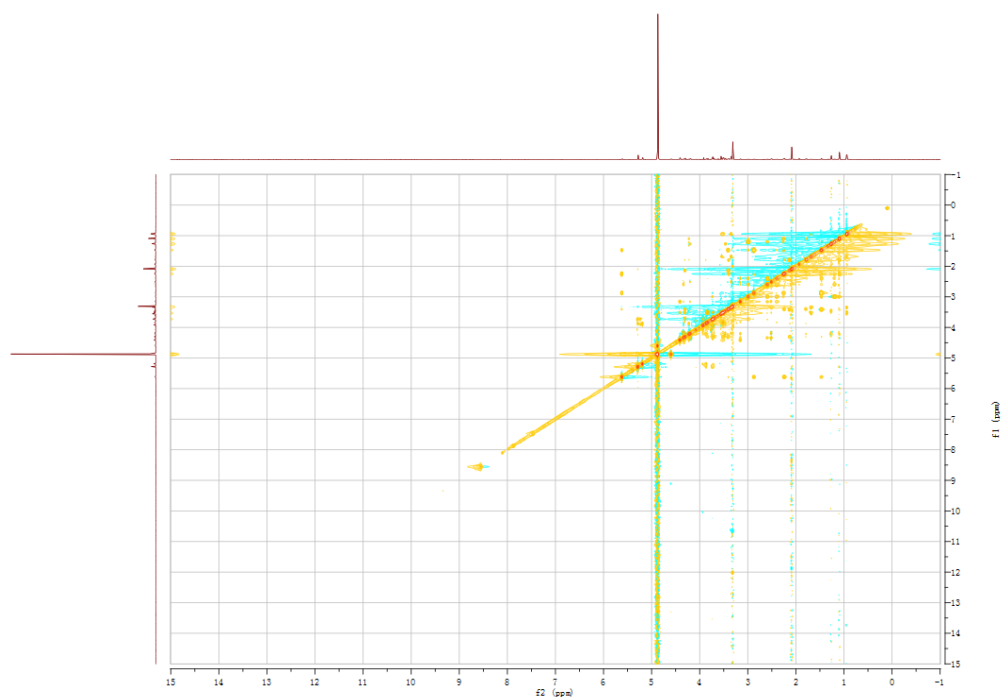


Figure S44. TOCSY spectrum of Compound 4

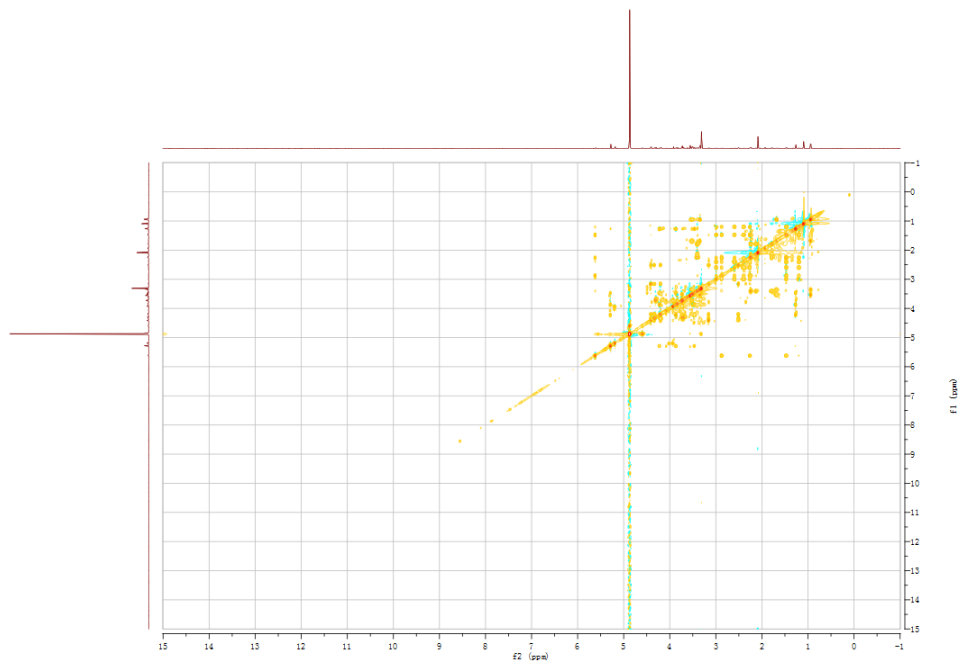


Figure S45. Positive HR-ESI-MS spectrum of Compound **5**

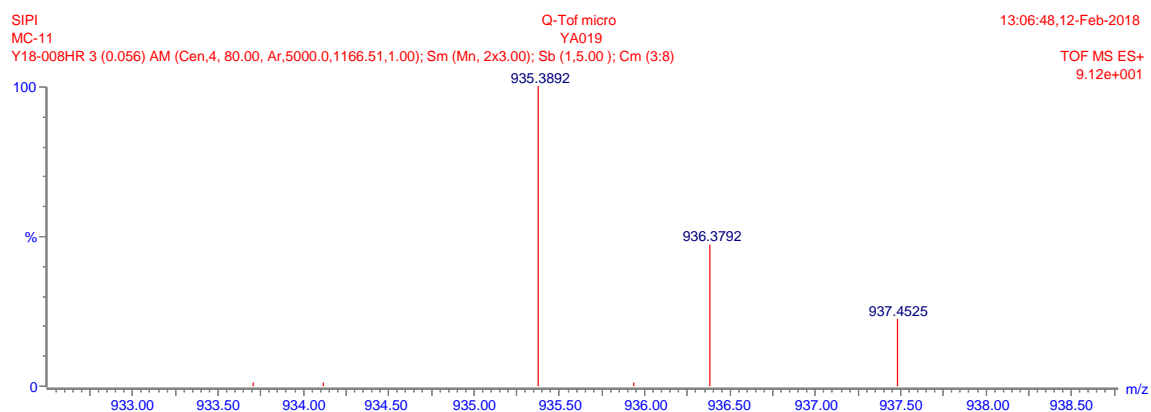


Figure S46. Positive ESI-MS spectrum of Compound **5**

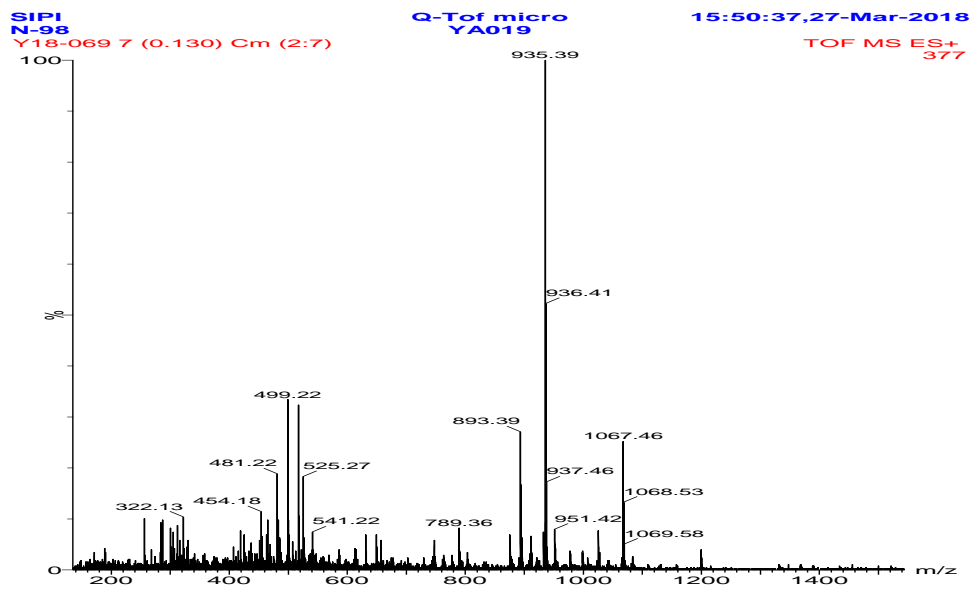


Figure S47. ^1H -NMR spectrum of Compound **5**

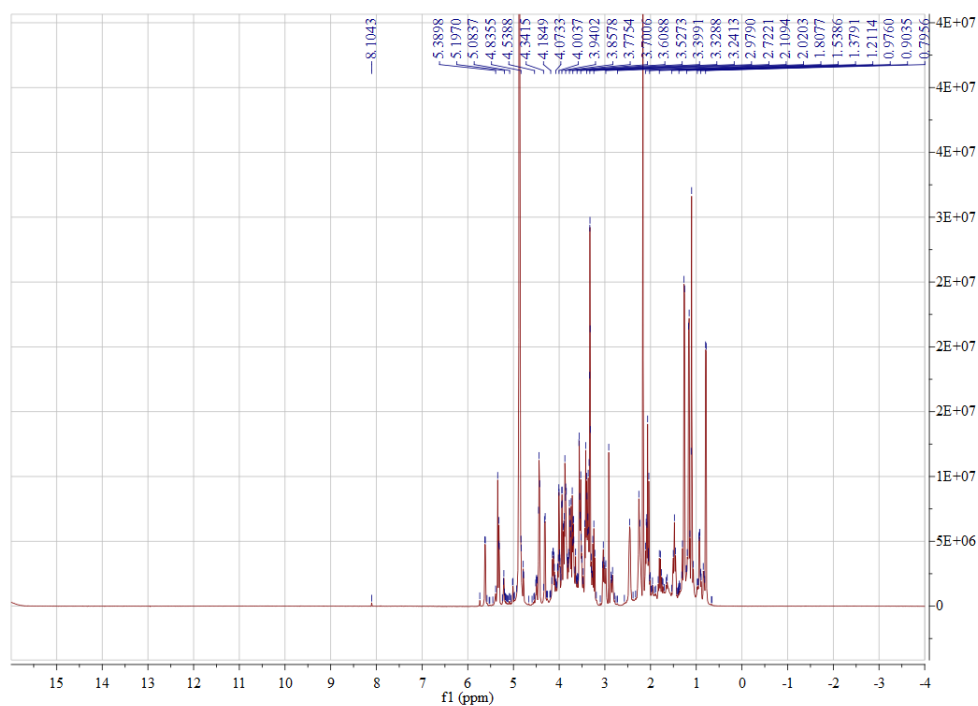


Figure S48. ^{13}C -NMR spectrum of Compound **5**

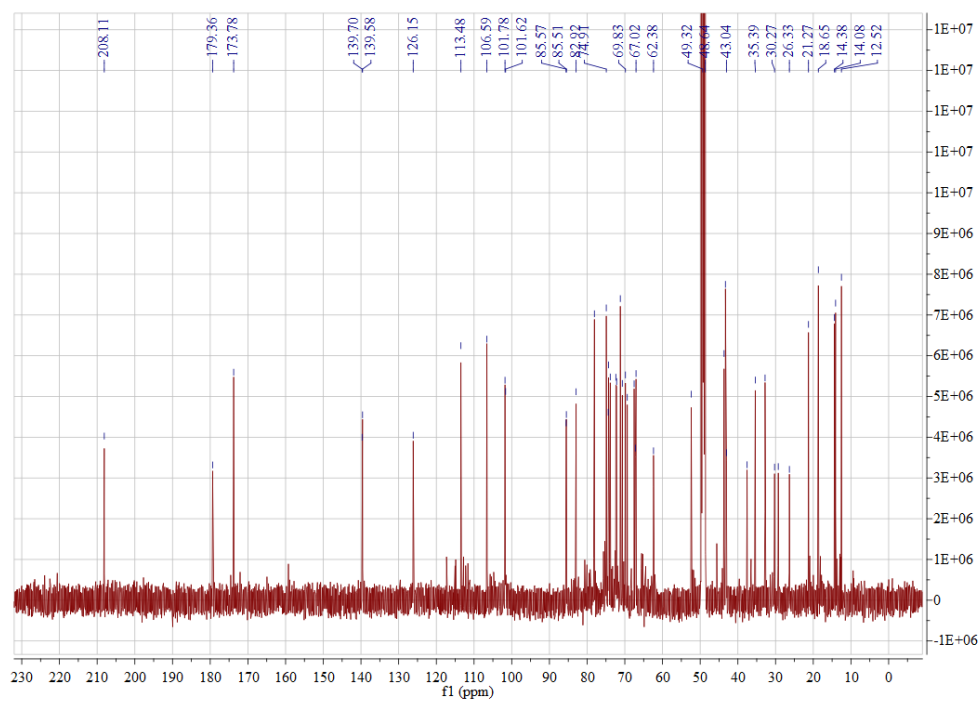


Figure S49. DEPT 90 spectrum of Compound **5**

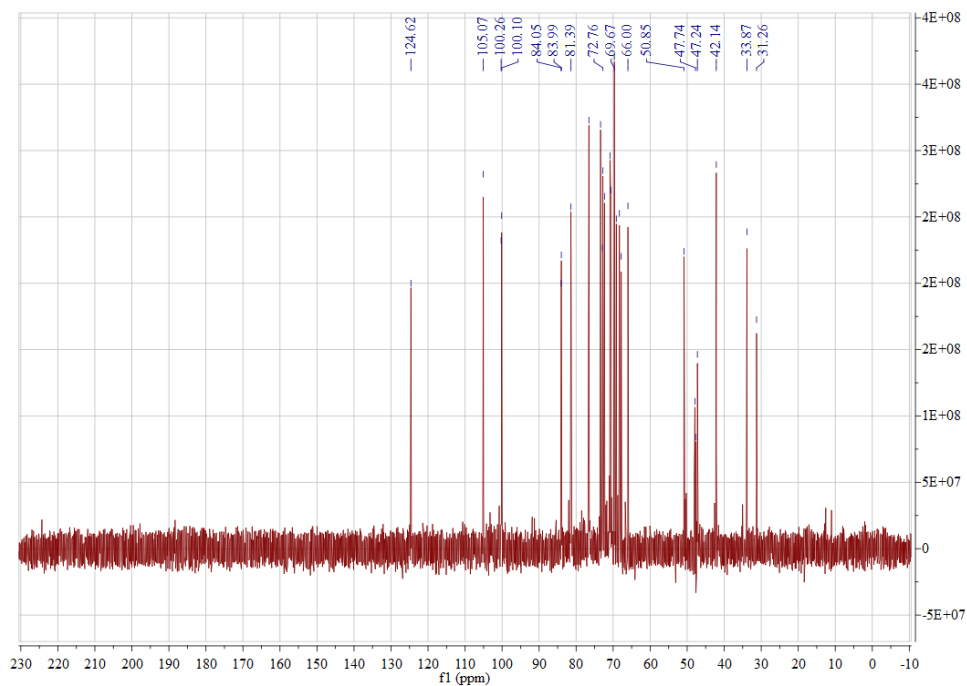


Figure S50. DEPT 135 spectrum of Compound **5**

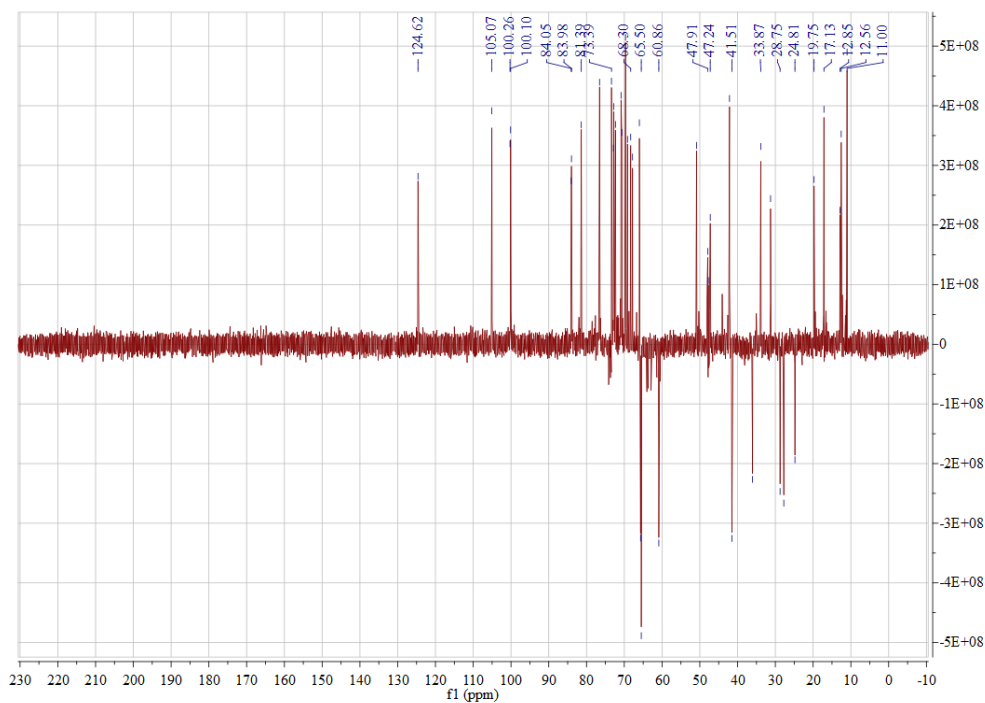


Figure S51. HSQC spectrum of Compound **5**

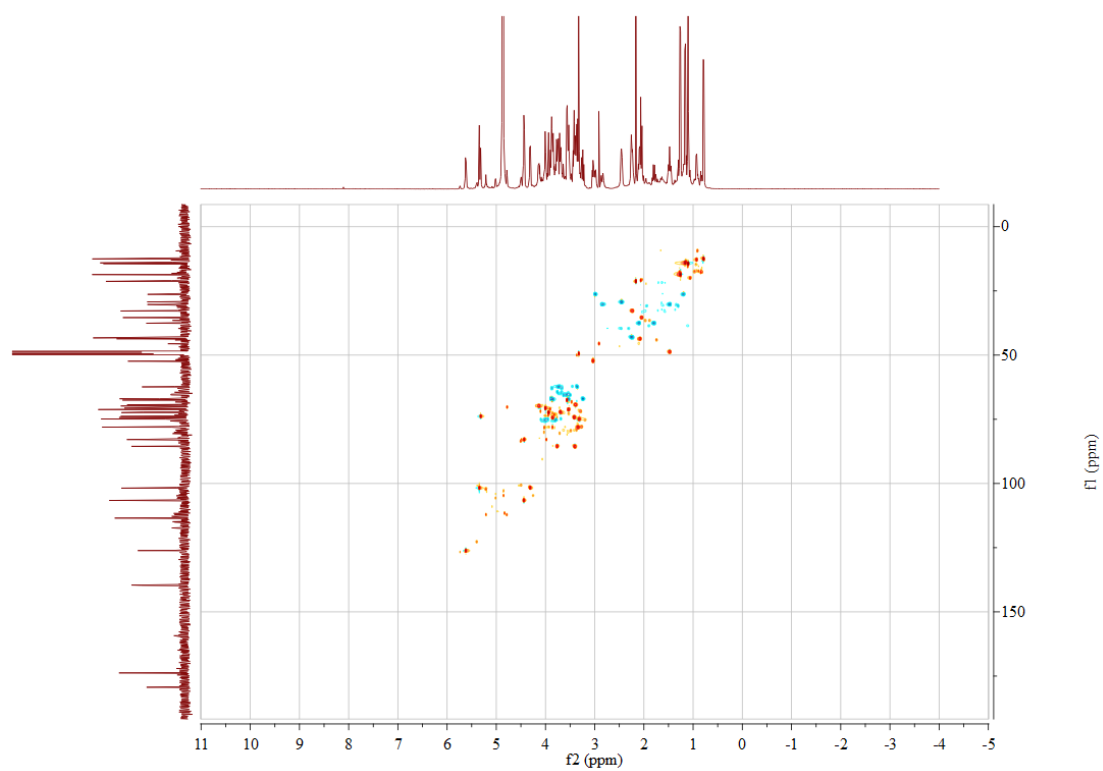


Figure S52. HMBC spectrum of Compound **5**

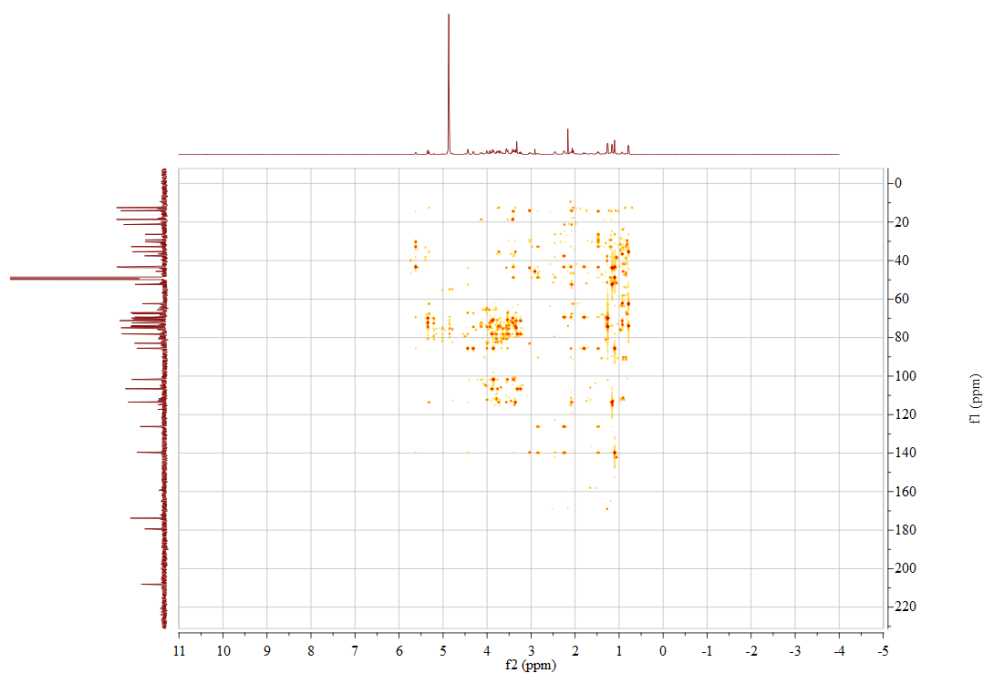


Figure S53. ^1H - ^1H COSY spectrum of Compound **5**

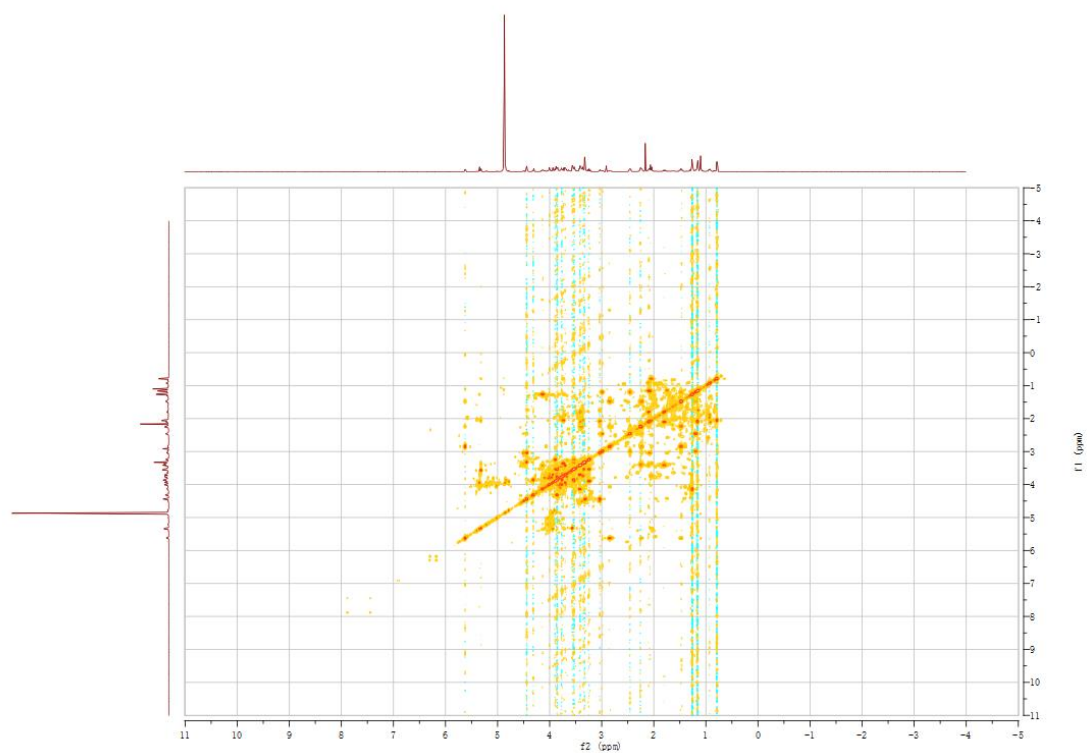


Figure S54. NOESY spectrum of Compound **5**

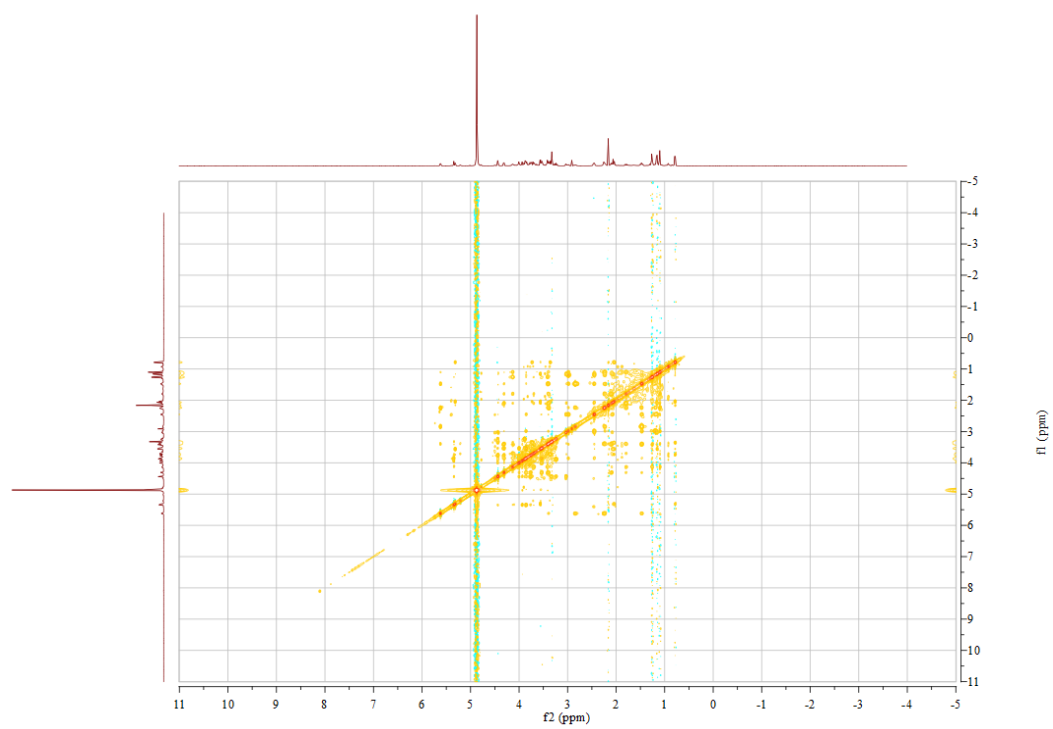


Figure S55. TOCSY spectrum of Compound **5**

