

SUPPORTING INFORMATION

Article

Isomalabaricane Triterpenes from the Marine Sponge *Rhabdastrella* sp.

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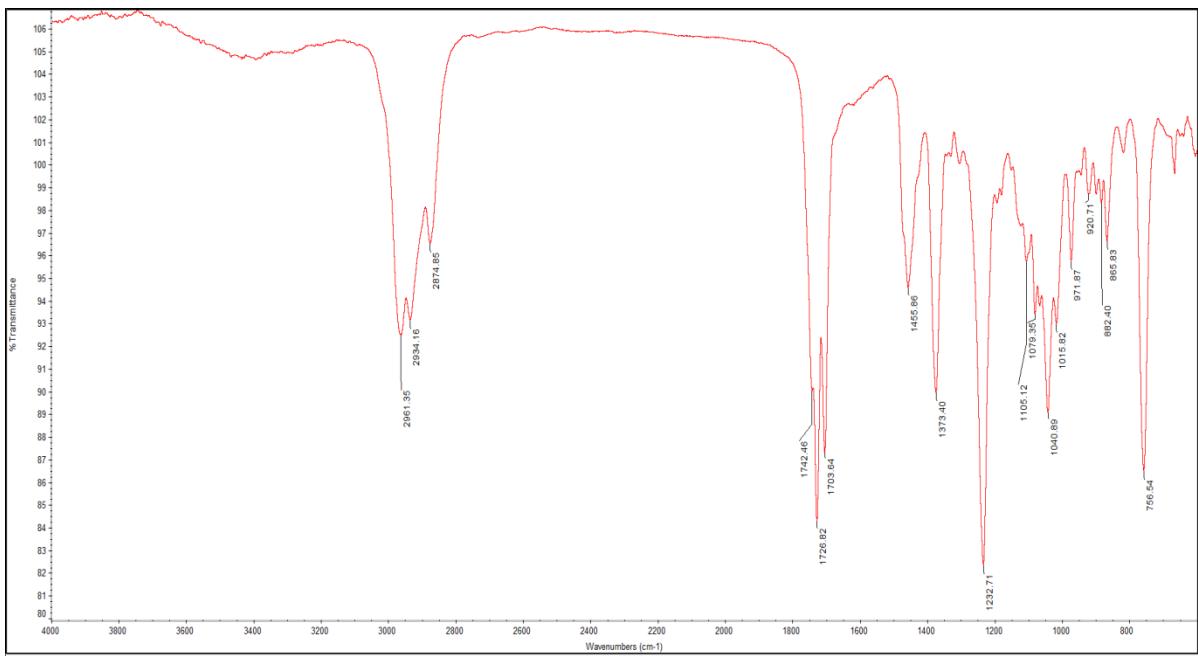


Figure S1. IR spectrum of **1**

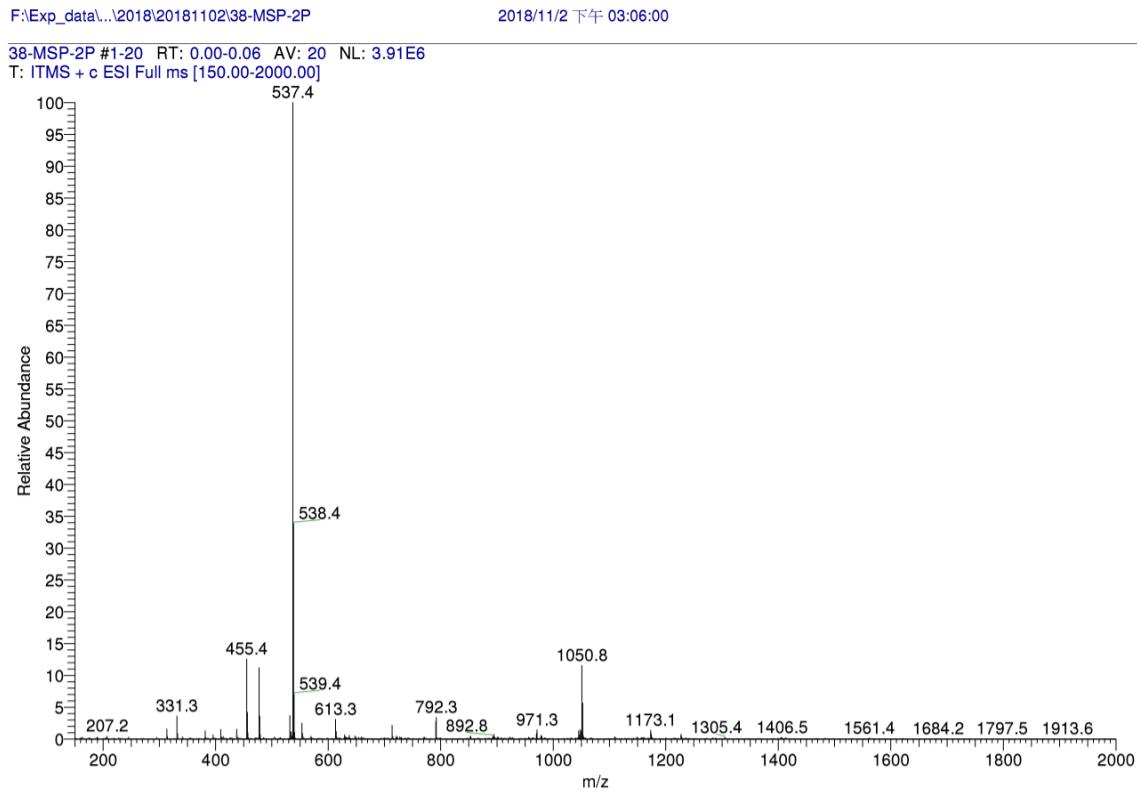


Figure S2. ESIMS spectrum of **1**

F:\Exp_data\...\20181102\35-MSP-2P-H

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35-MSP-2P-H#1-20 RT: 0.00-0.27 AV: 20
T: FTMS + p ESI Full ms [150.00-2000.00]
m/z= 537.2468-537.4527
Isotope    Min      Max
C-12        0       32
H-1         0       51
O-16        0       5
Na-23       0       1
Charge 1
Mass tolerance 1000.00 ppm
Nitrogen rule not used
RDB equiv -1.00-100.00
max results 1
      m/z      Intensity      Relative      Theo. Mass      Delta
                                         (ppm)      Composition
      537.3539   48065596.0     100.00     537.3550     -2.09 C32H50O5Na

```

Figure S3. HRESIMS spectrum of 1

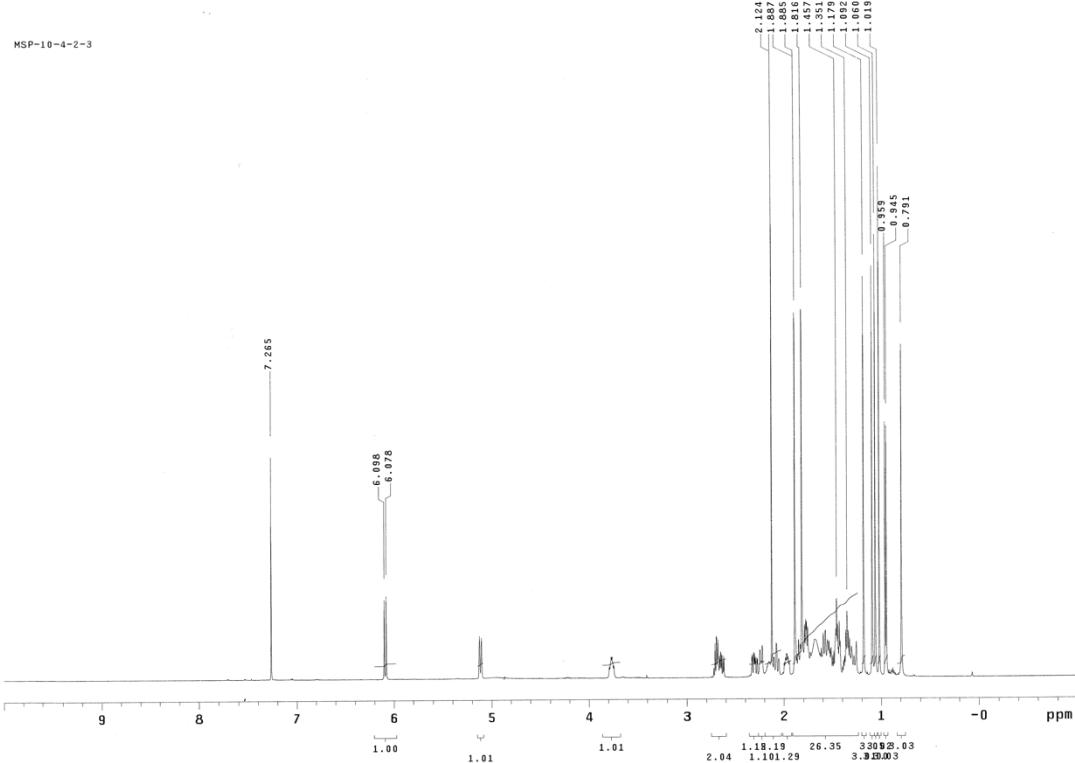


Figure S4. ^1H NMR (500 MHz, CDCl_3) spectrum of **1**

MSP-10-4-2-3

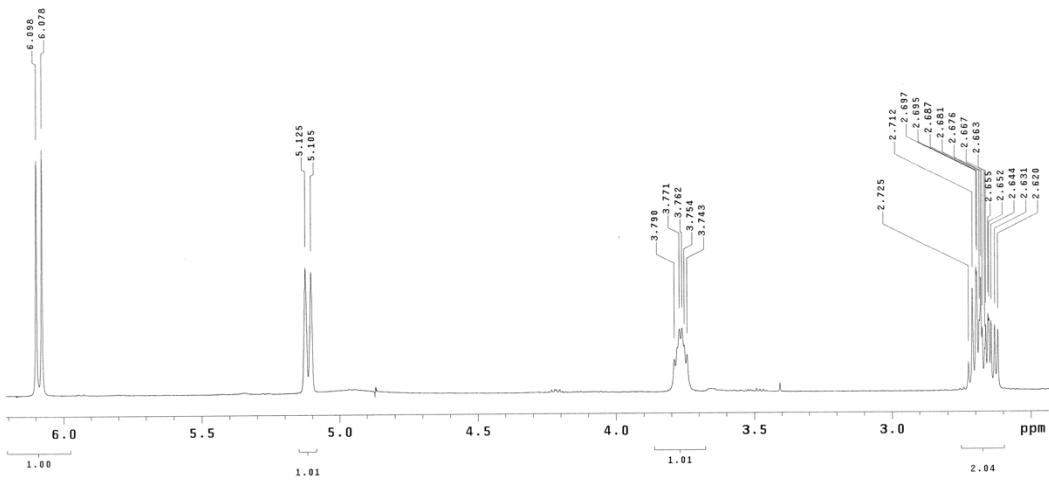


Figure S5. ^1H NMR (500 MHz, CDCl_3) spectrum of **1** (Partial enlarged view)

MSP-10-4-2-3

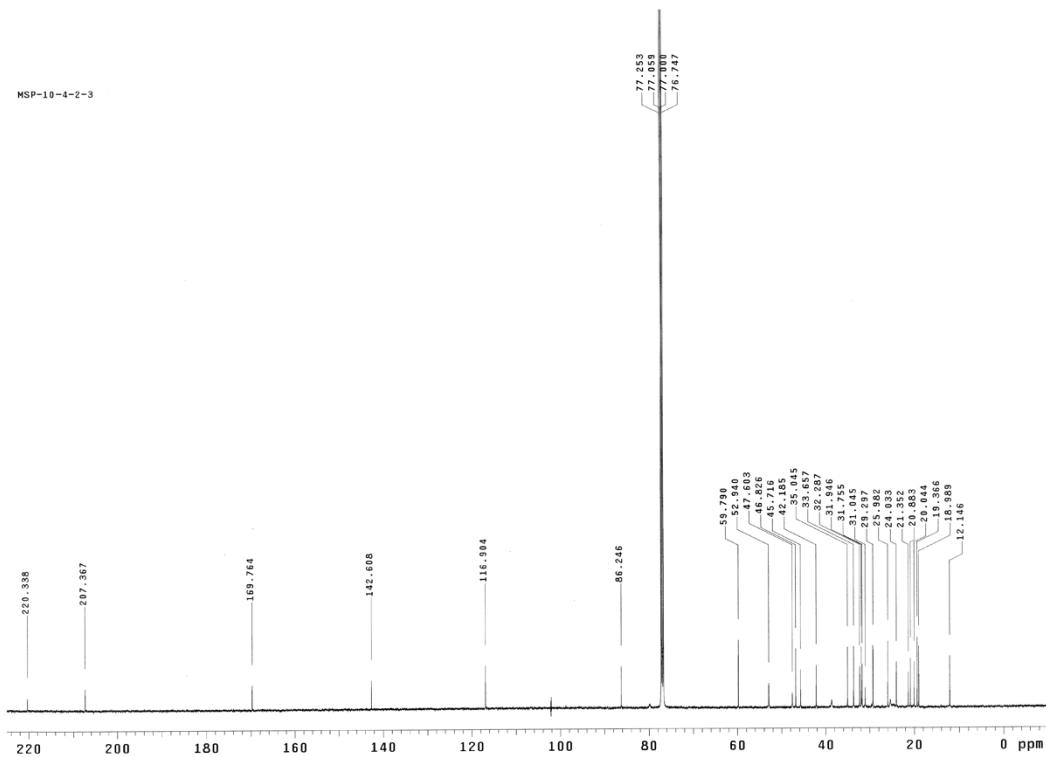


Figure S6. ^{13}C NMR (125 MHz, CDCl_3) spectrum of **1**

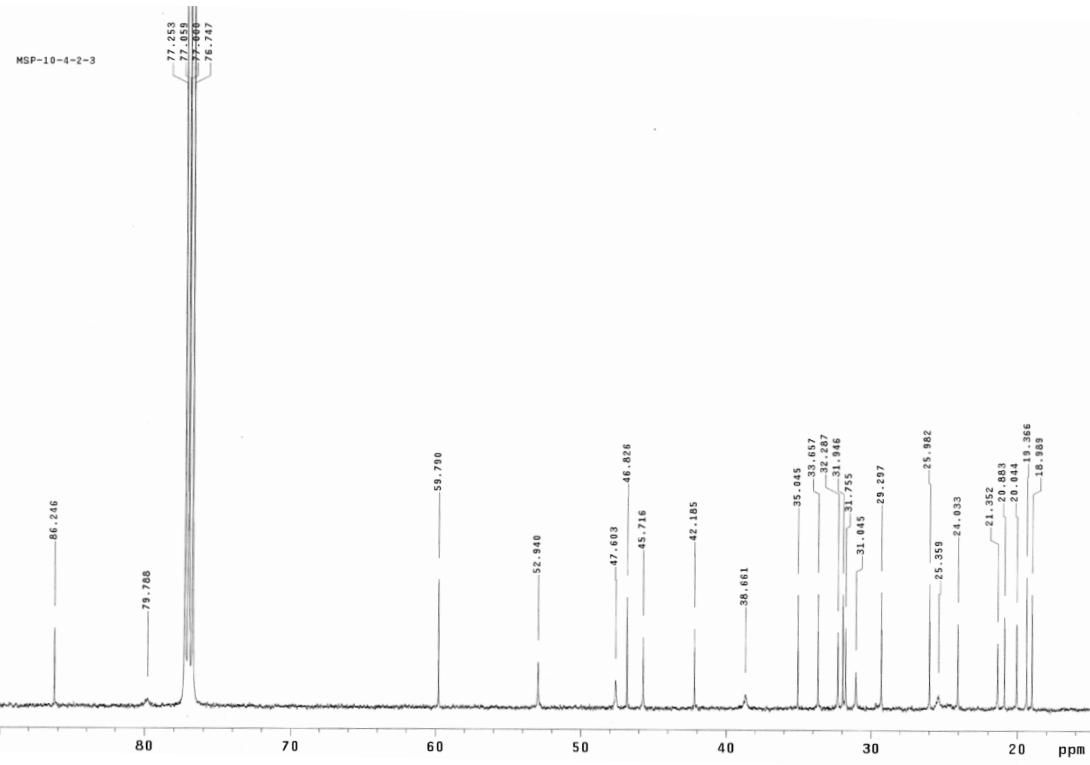


Figure S7. ^{13}C NMR (125 MHz, CDCl_3) spectrum of **1** (Partial enlarged view)

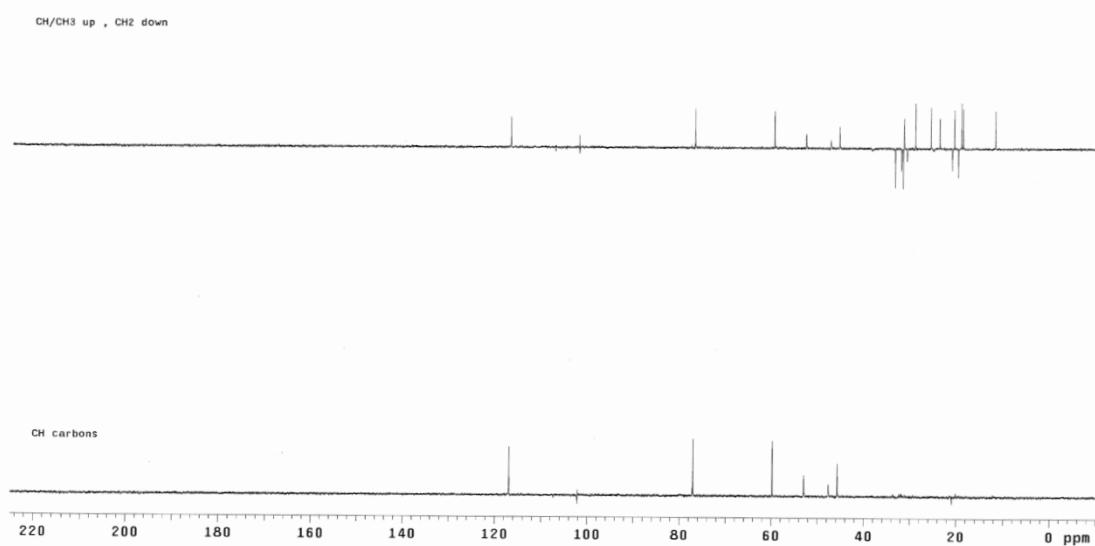


Figure S8. DEPT spectrum of **1**

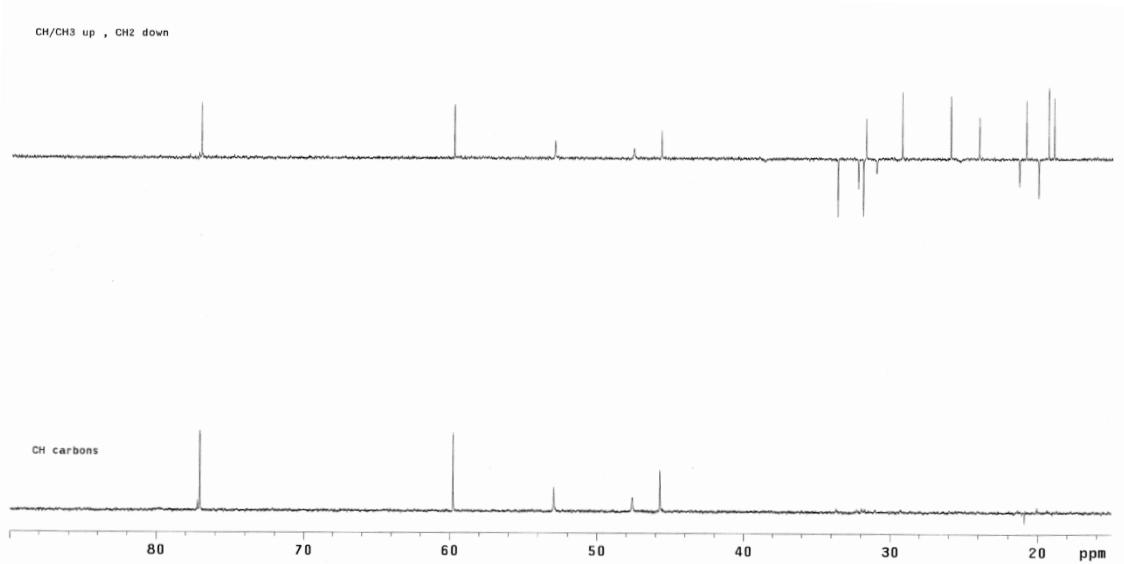


Figure S9. DEPT spectrum of **1** (Partial enlarged view)

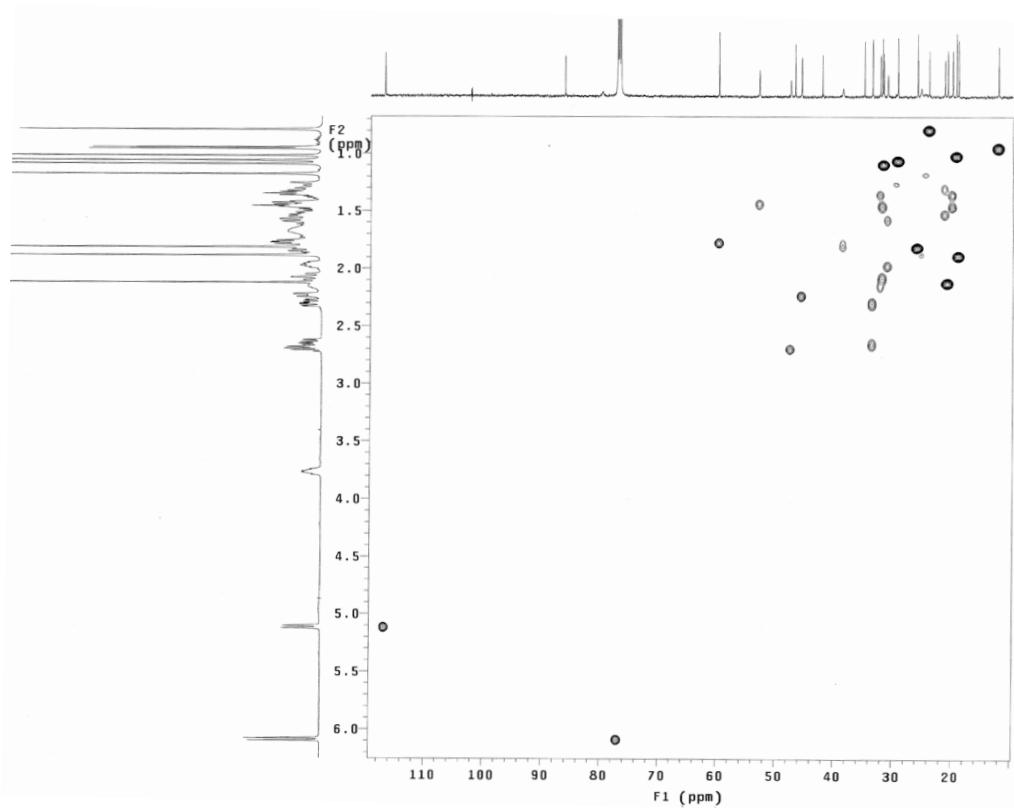


Figure S10. HSQC spectrum of **1**

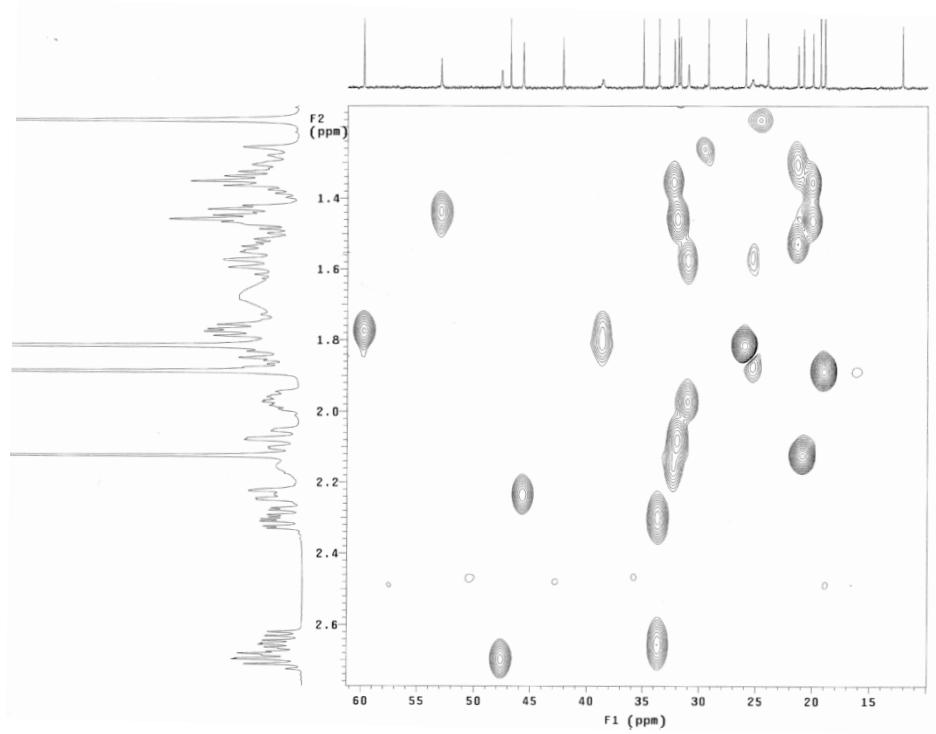


Figure S11. HSQC spectrum of **1** (Partial enlarged view)

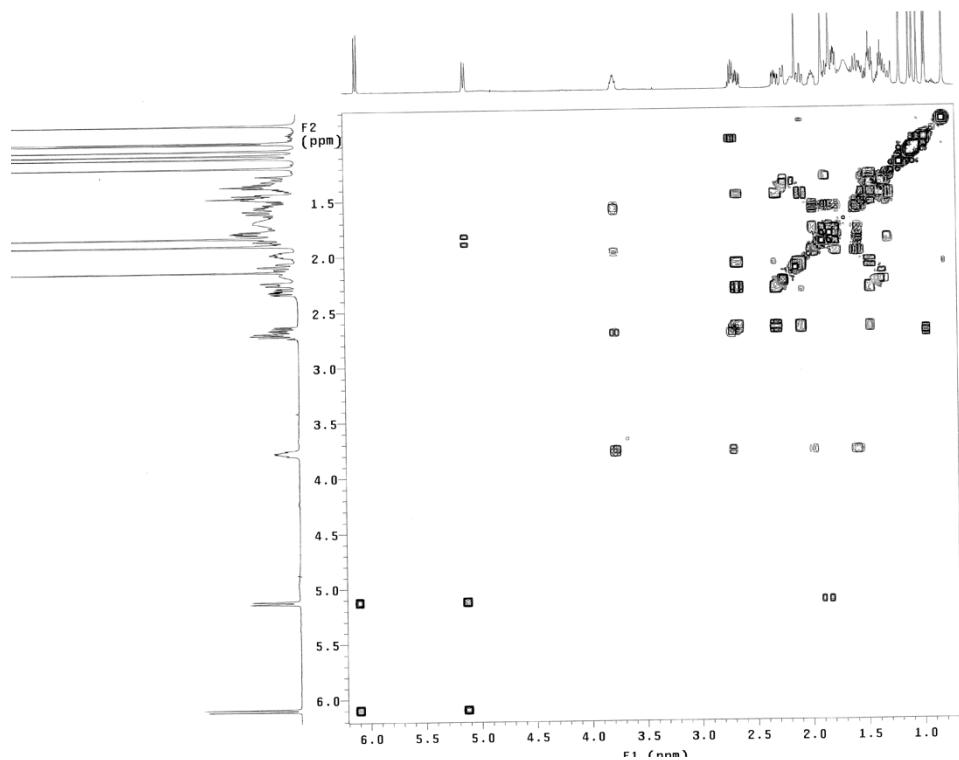


Figure S12. COSY spectrum of **1**

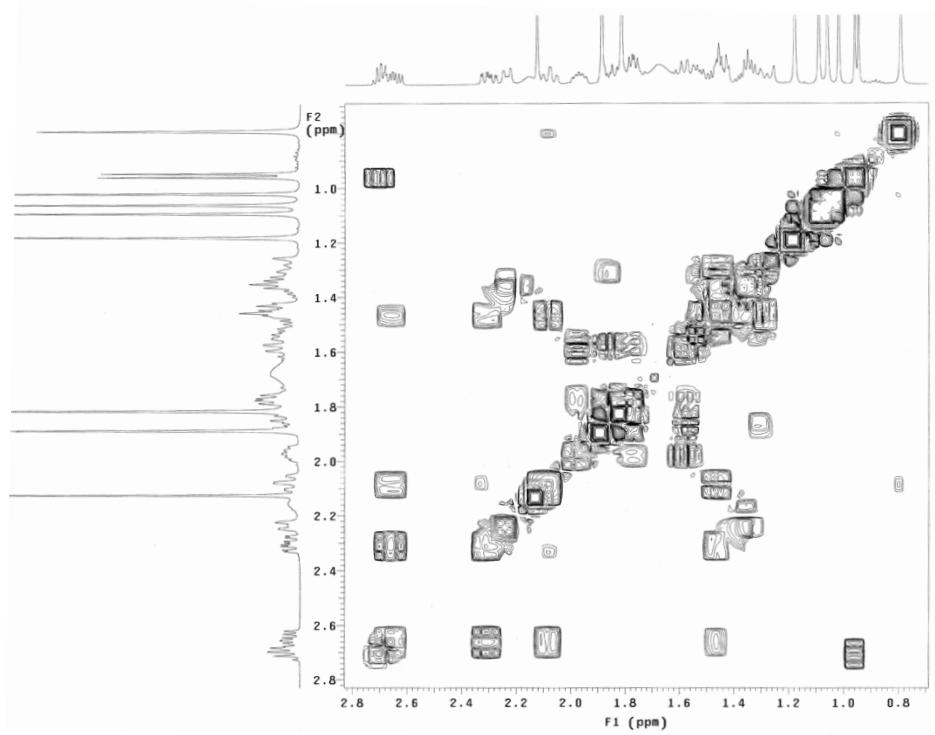


Figure S13. COSY spectrum of **1** (Partial enlarged view)

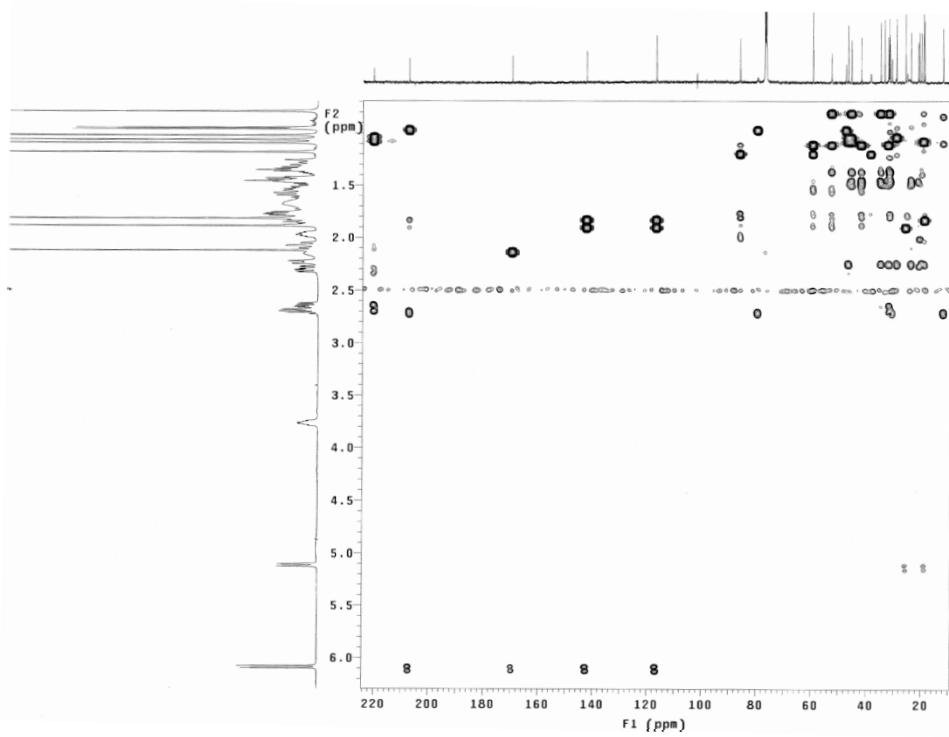


Figure S14. HMBC spectrum of **1**

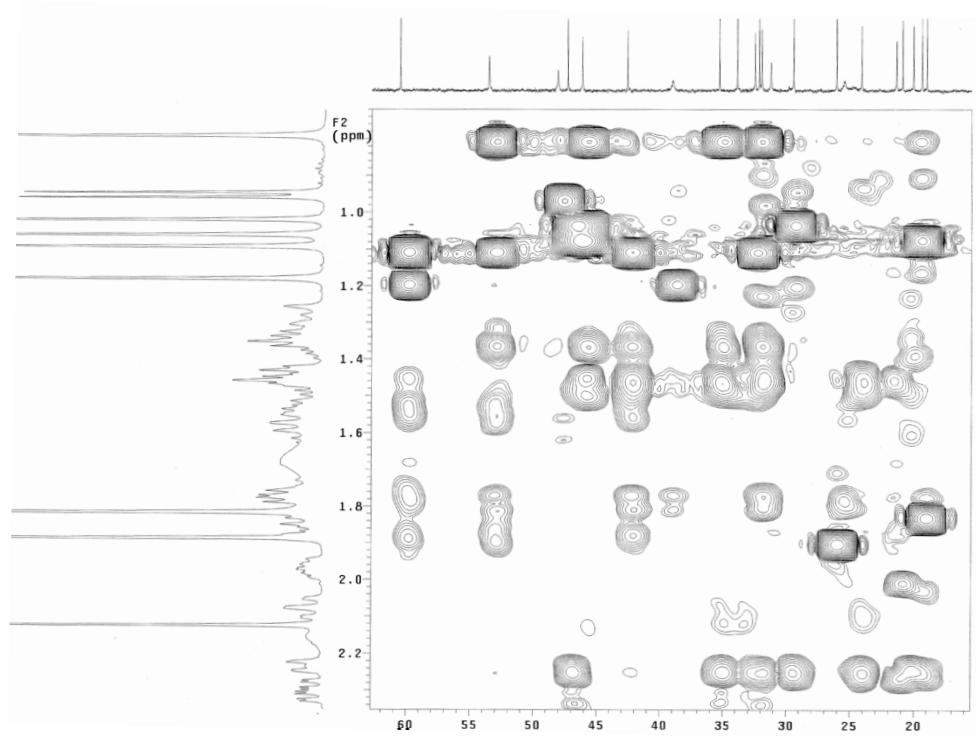


Figure S15. HMBC spectrum of **1** (Partial enlarged view)

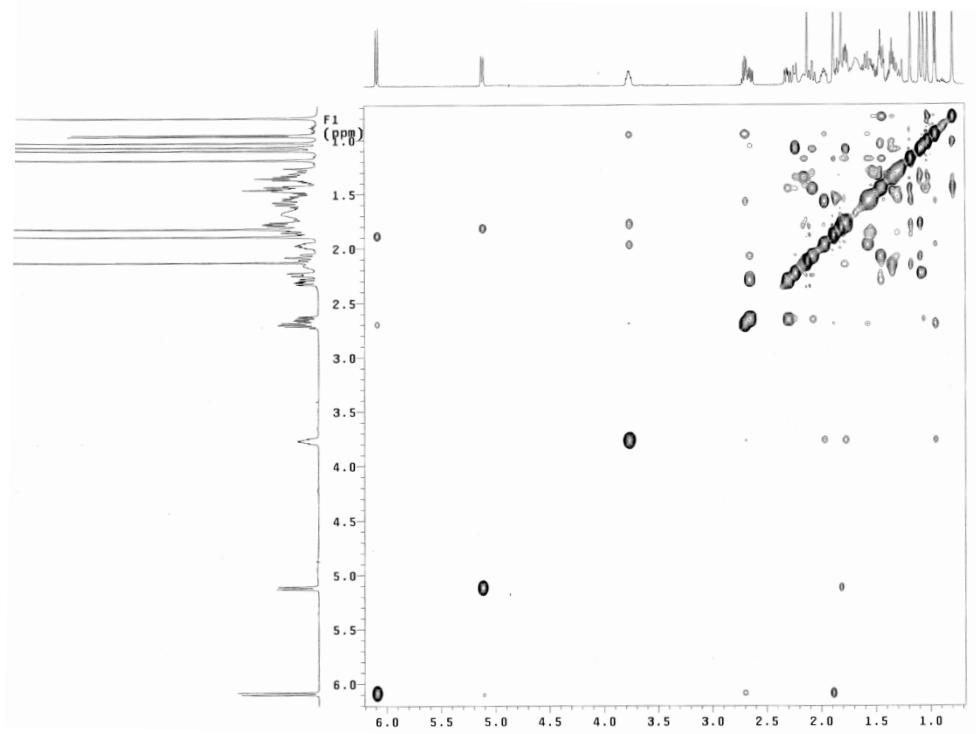


Figure S16. NOESY spectrum of **1**

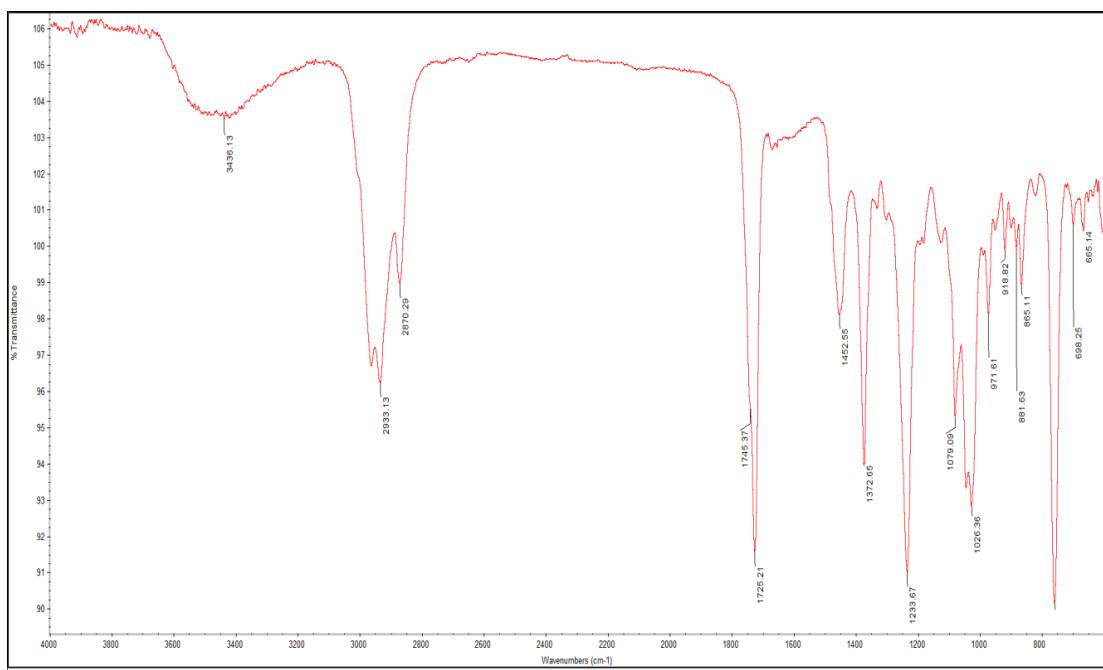


Figure S17. IR spectrum of 2

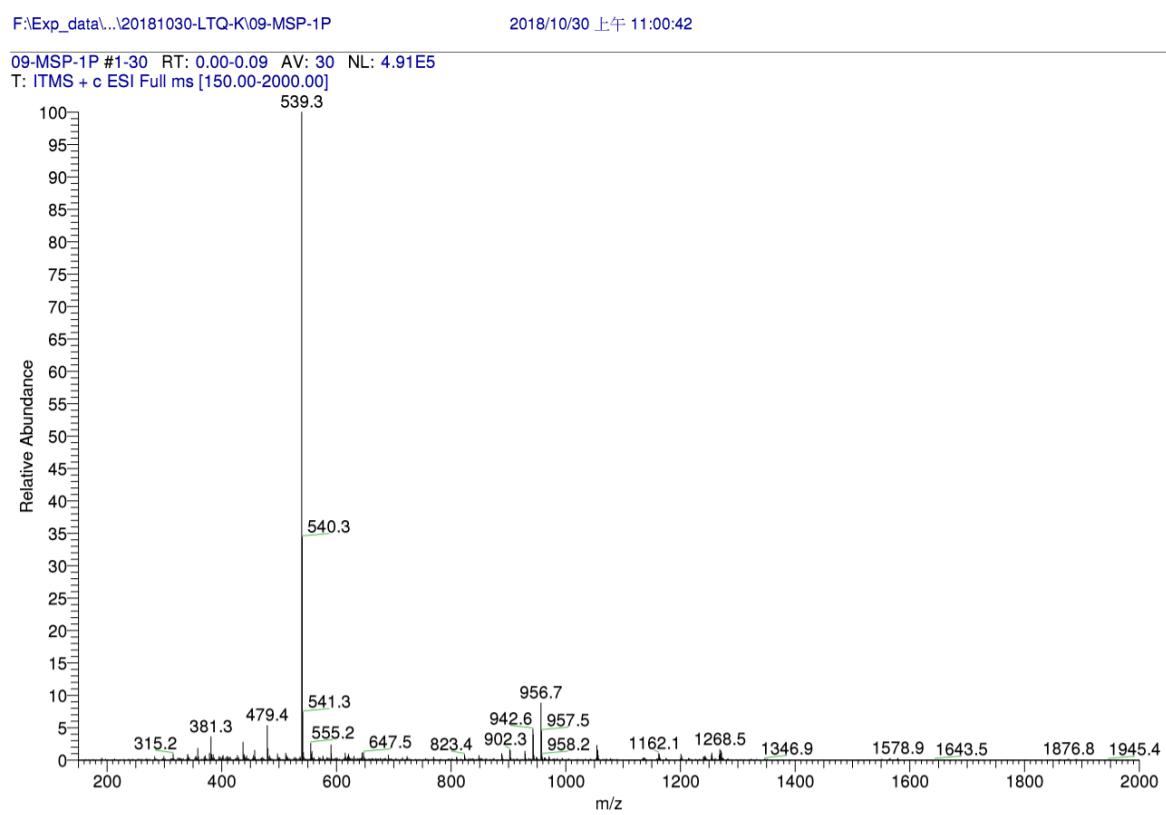
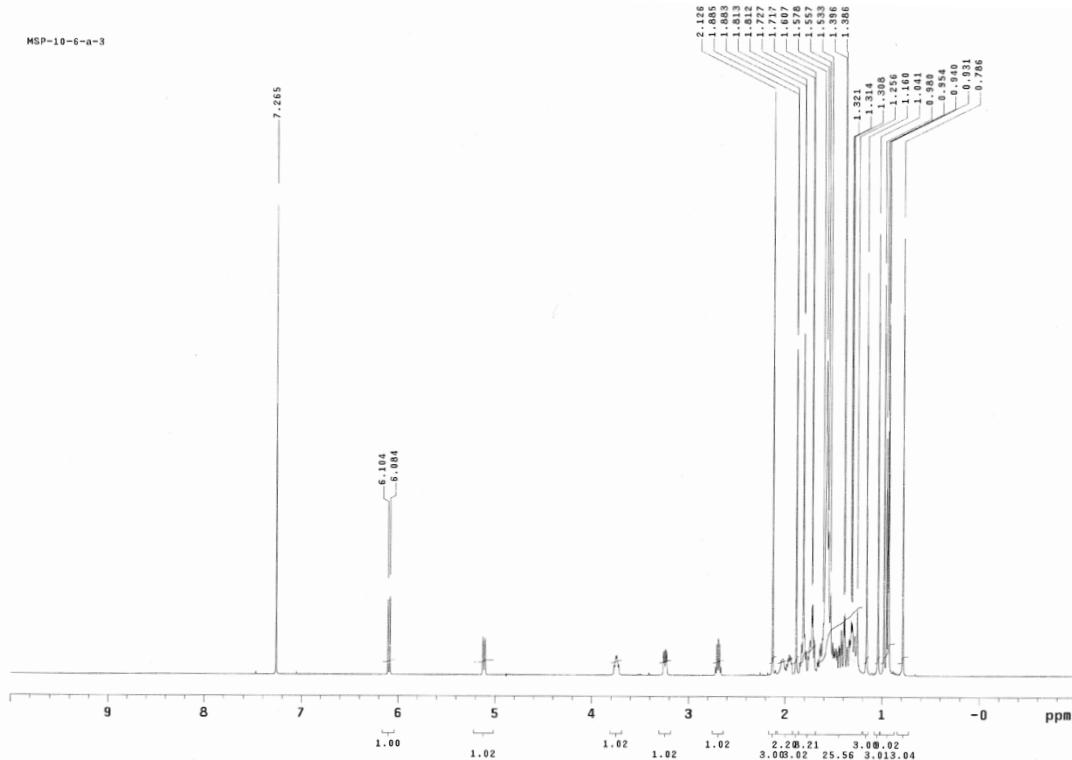


Figure S18. ESIMS spectrum of 2

45-MSP-1P-H#1-20 RT: 0.01-0.28 AV: 20
 T: FTMS + p ESI Full ms [150.00-2000.00]
 m/z= 539.0505-539.6632
 Isotope Min Max
 C-12 0 32
 H-1 0 53
 O-16 0 5
 Na-23 0 1
 Charge 1
 Mass tolerance 1000.00 ppm
 Nitrogen rule not used
 RDB equiv -1.00-100.00
 max results 1
 m/z Intensity Relative Theo. Mass Delta (ppm) Composition
 539.3696 55447880.0 100.00 539.3707 -2.04 C₃₂H₅₂O₅Na

Figure S19. HRESIMS spectrum of 2**Figure S20.** ¹H NMR (500 MHz, CDCl₃) spectrum of 2

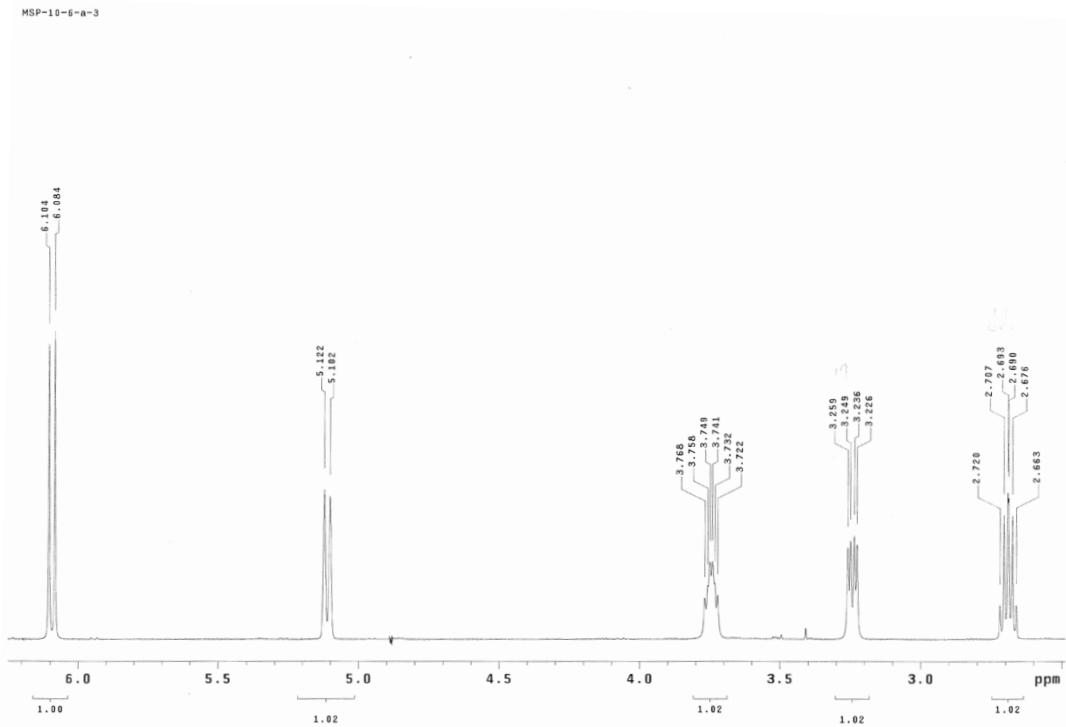


Figure S21. ^1H NMR (500 MHz, CDCl_3) spectrum of **2** (Partial enlarged view)

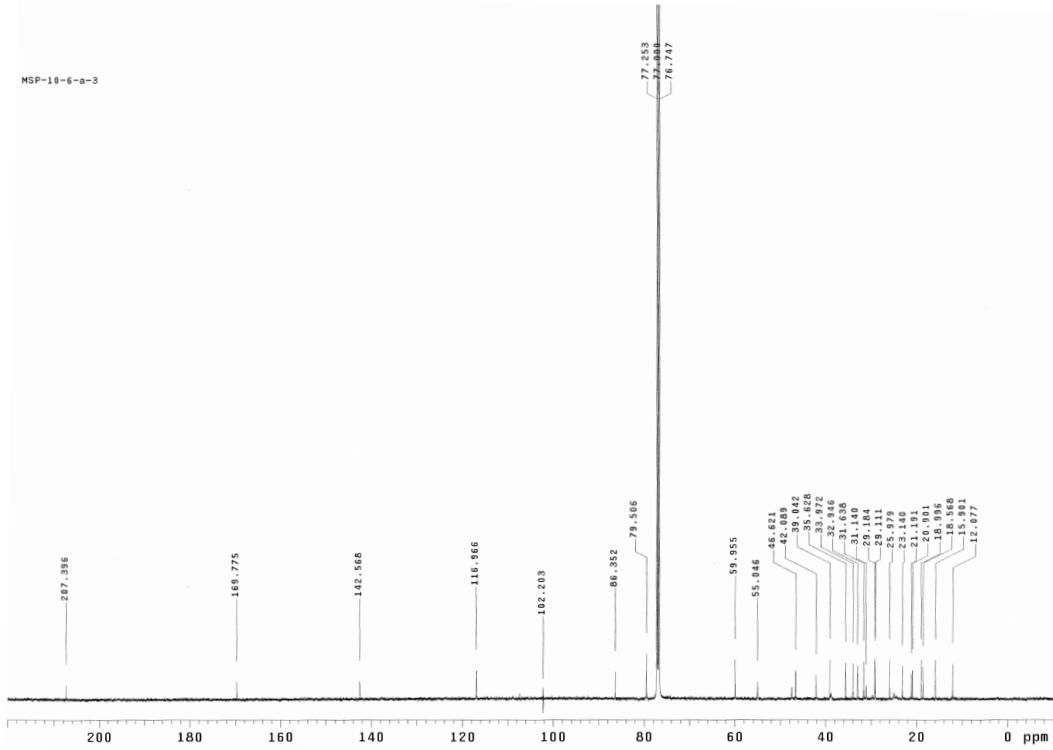


Figure S22. ^{13}C NMR (125 MHz, CDCl_3) spectrum of **2**

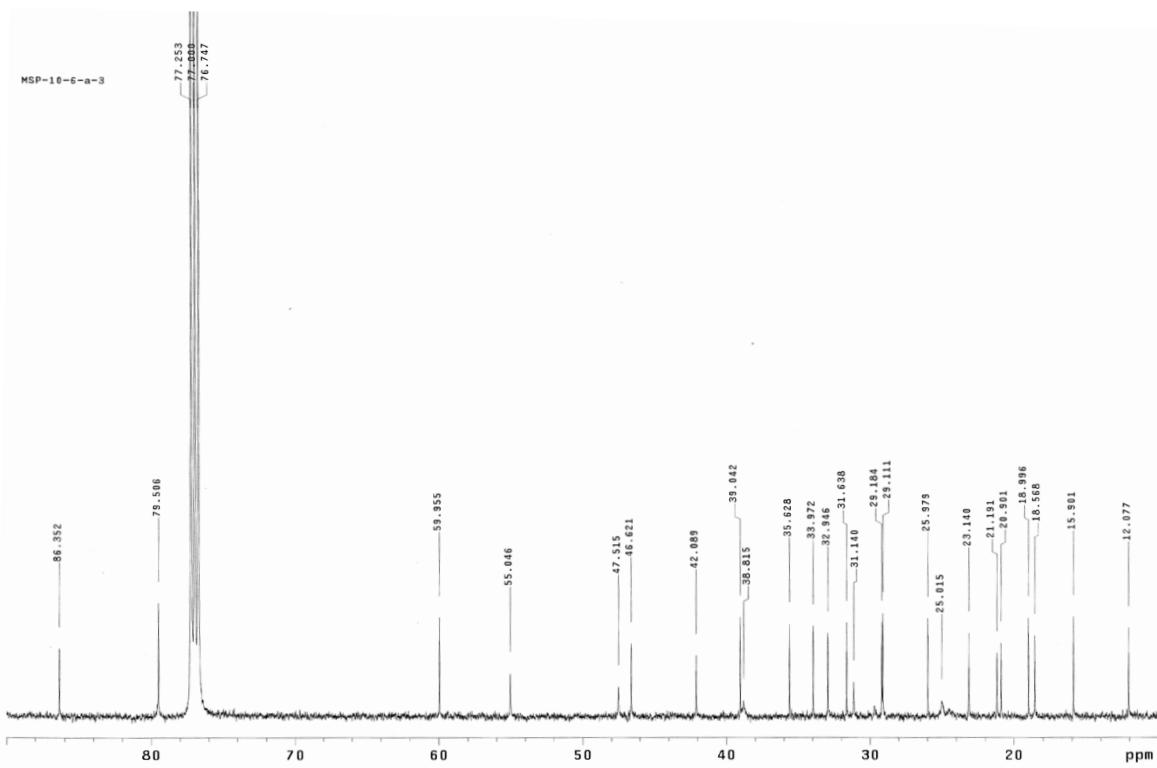


Figure S23. ^{13}C NMR (125 MHz, CDCl_3) spectrum of **2** (Partial enlarged view)

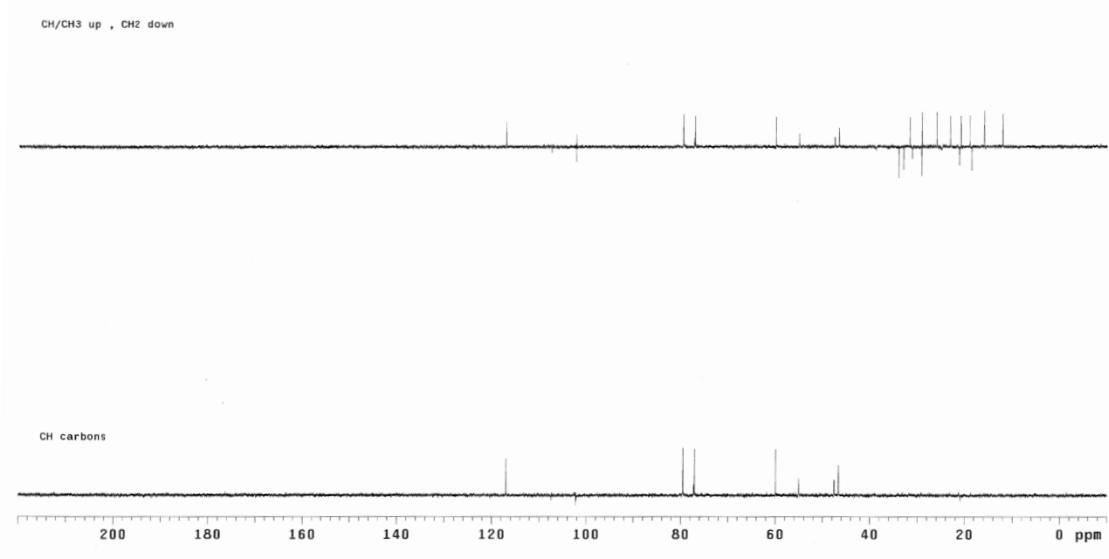


Figure S24. DEPT spectrum of **2**

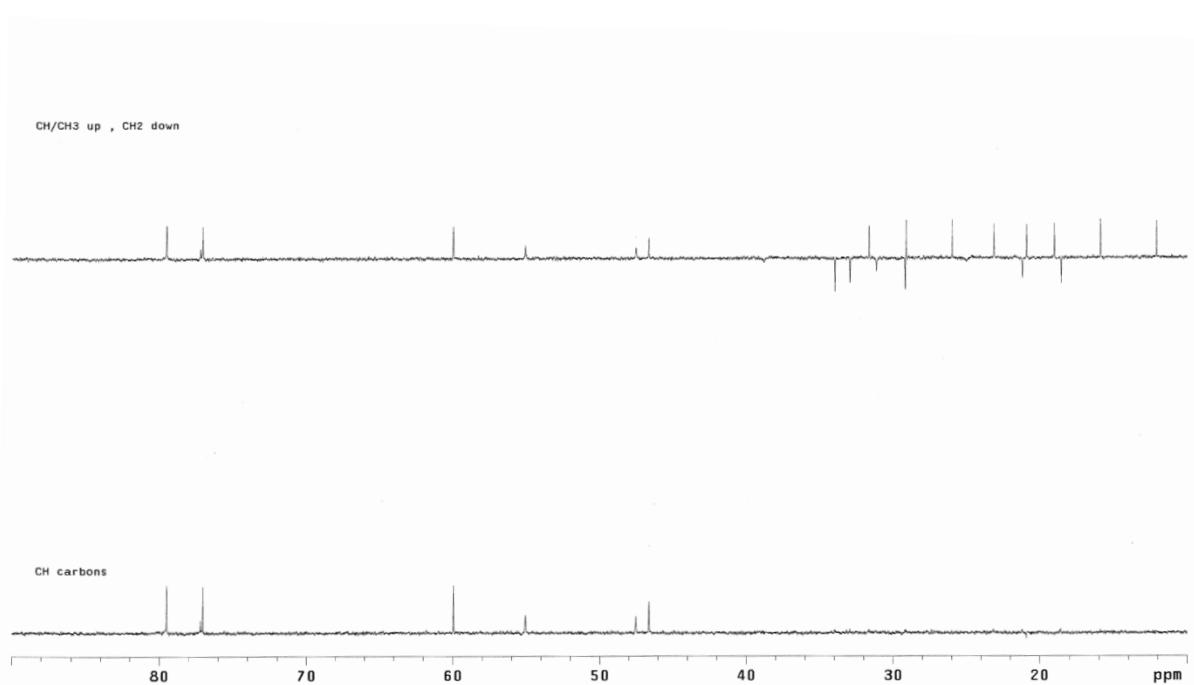


Figure S25. DEPT spectrum of **2** (Partial enlarged view)

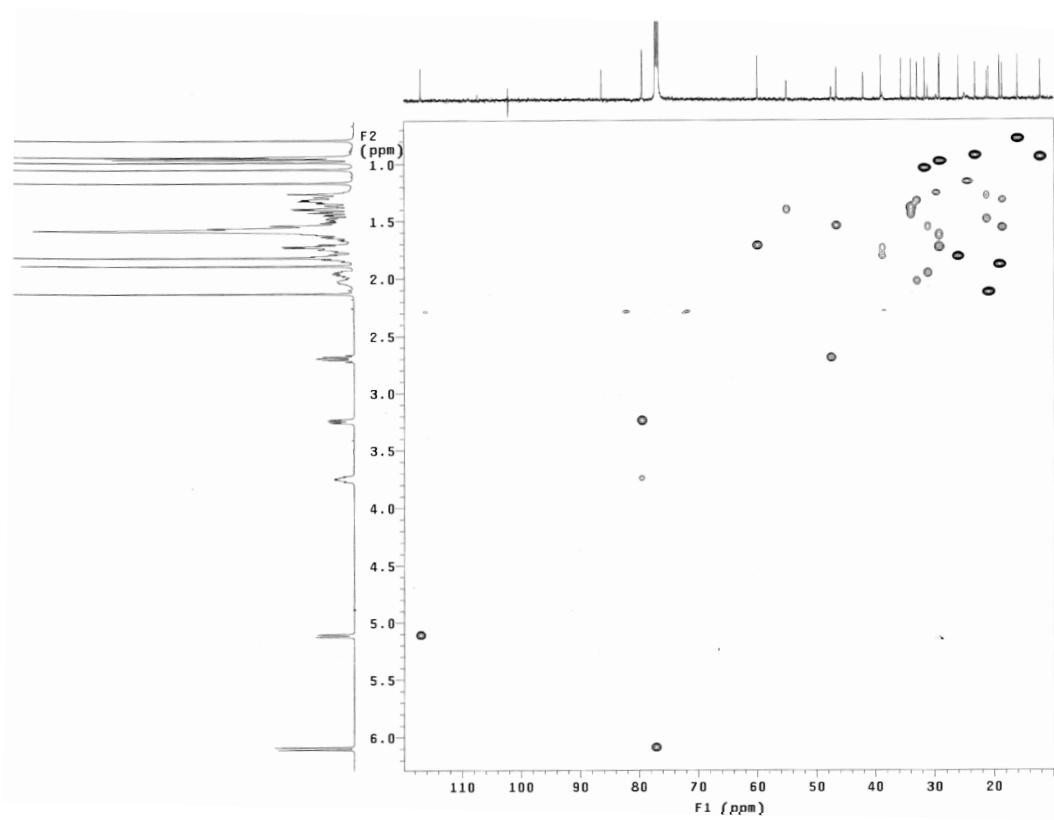


Figure S26. HSQC spectrum of **2**

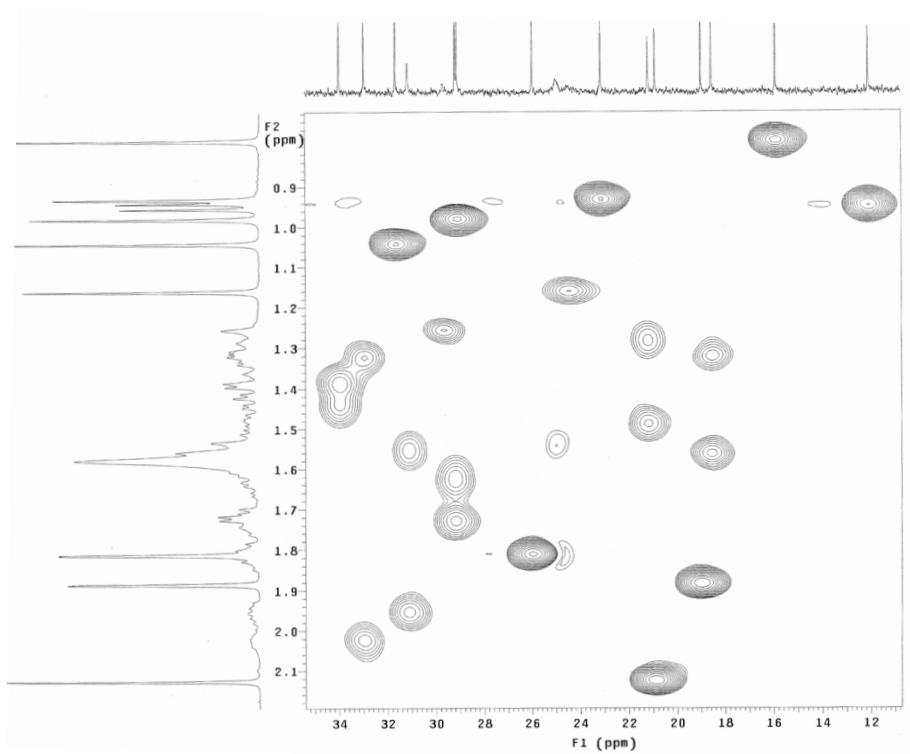


Figure S27. HSQC spectrum of **2** (Partial enlarged view)

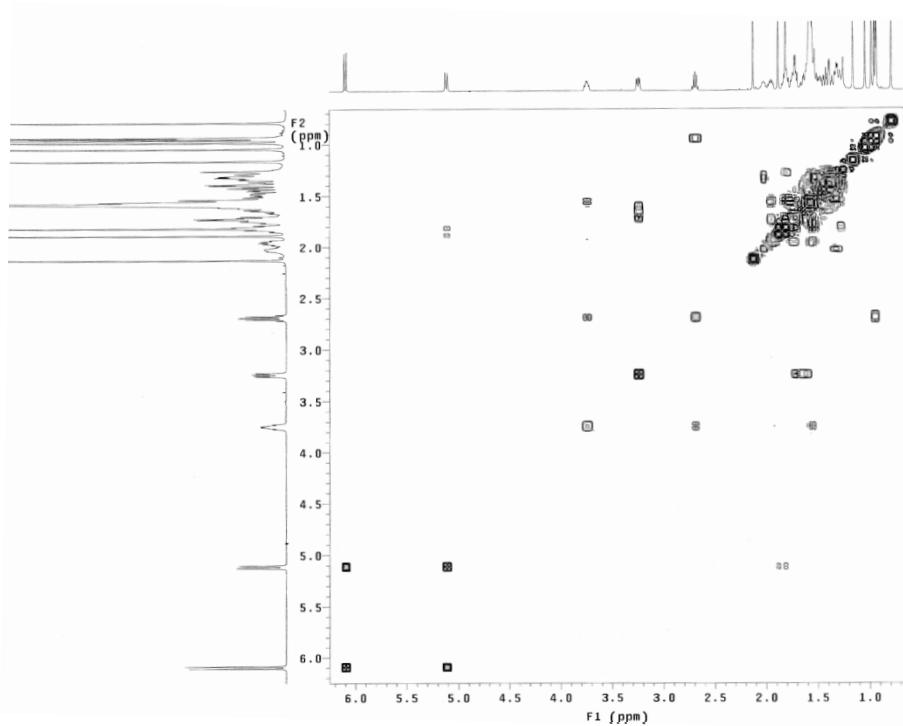


Figure S28. COSY spectrum of **2**

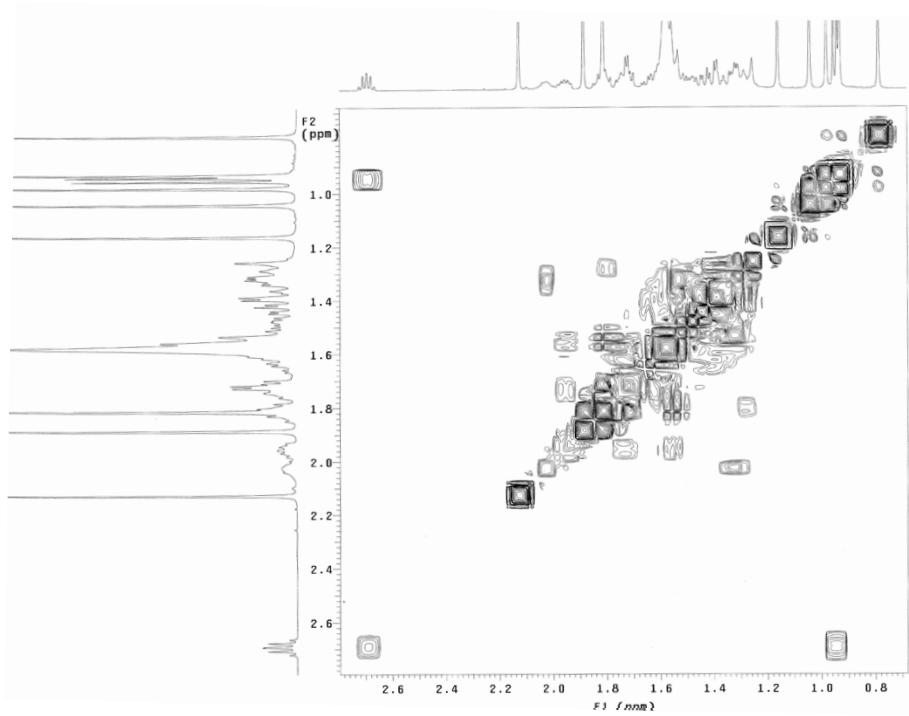


Figure S29. COSY spectrum of **2** (Partial enlarged view)

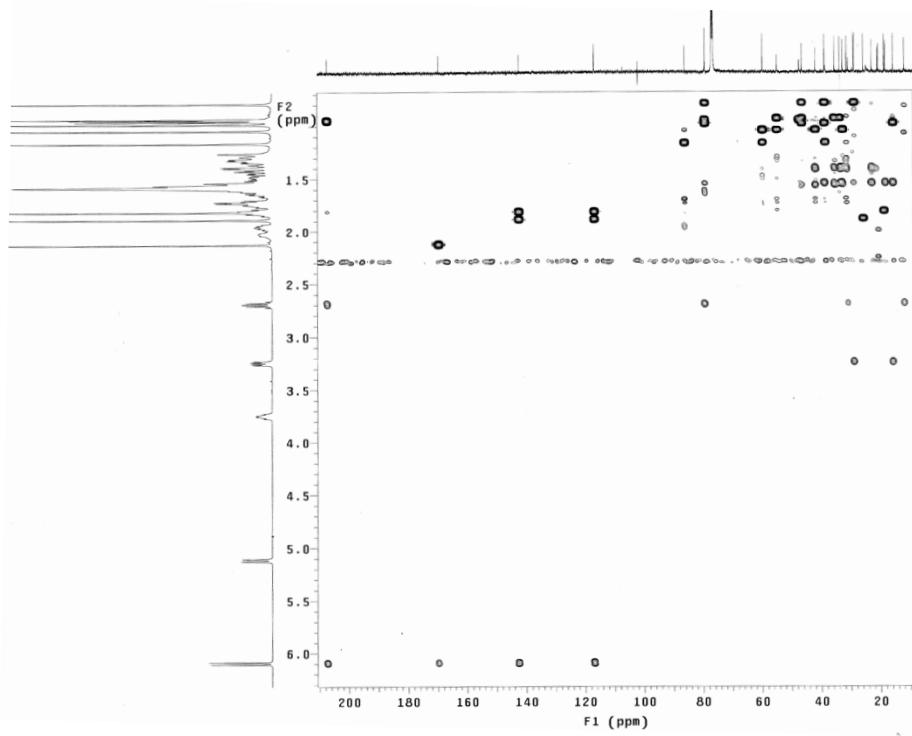


Figure S30. HMBC spectrum of **2**

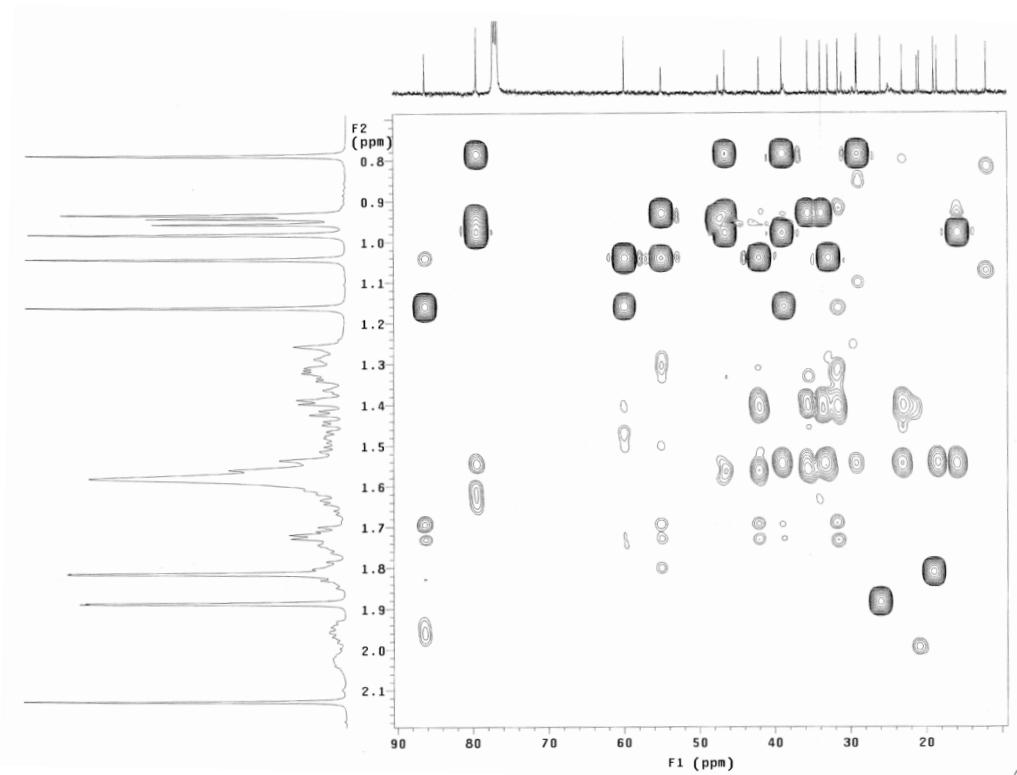


Figure S31. HMBC spectrum of **2** (Partial enlarged view)

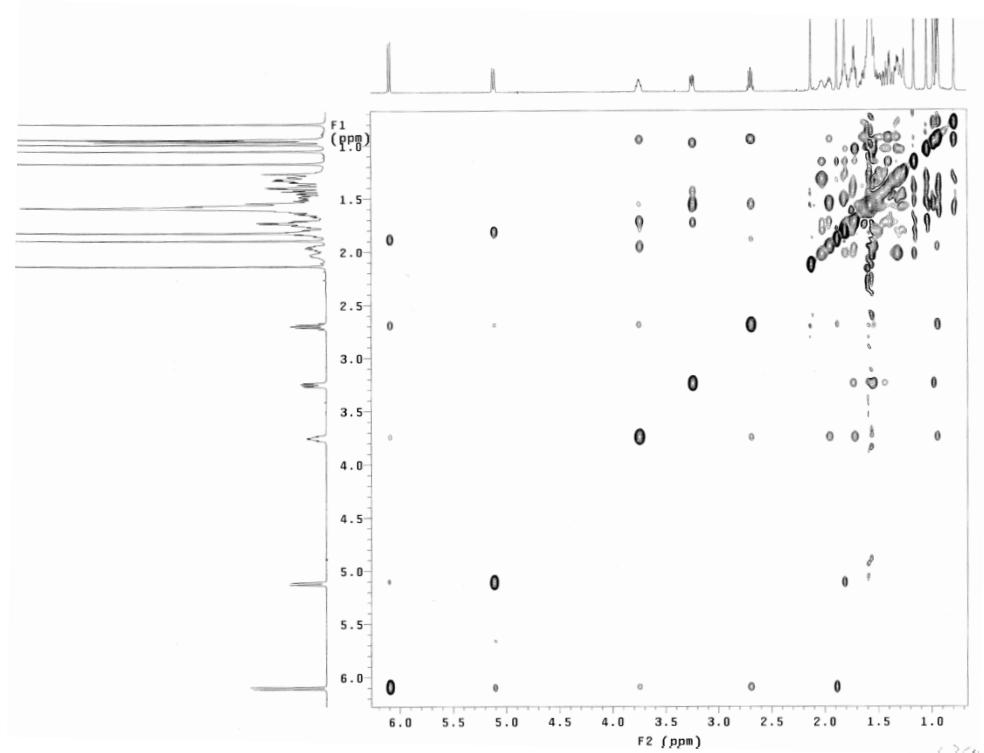


Figure S32. NOESY spectrum of **2**