

## Supporting Information

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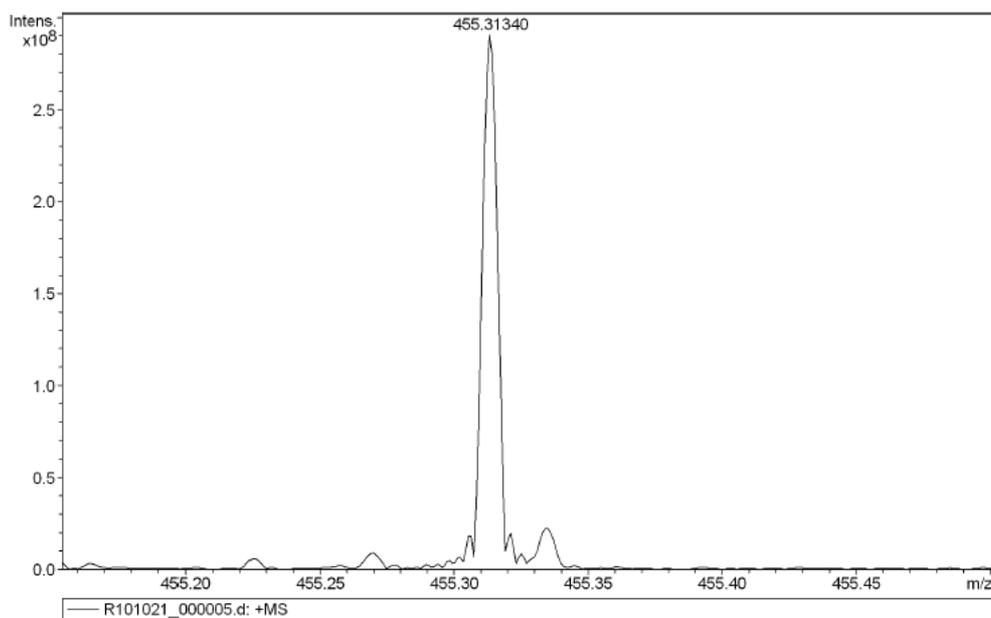
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## Mass Spectrum SmartFormula Report

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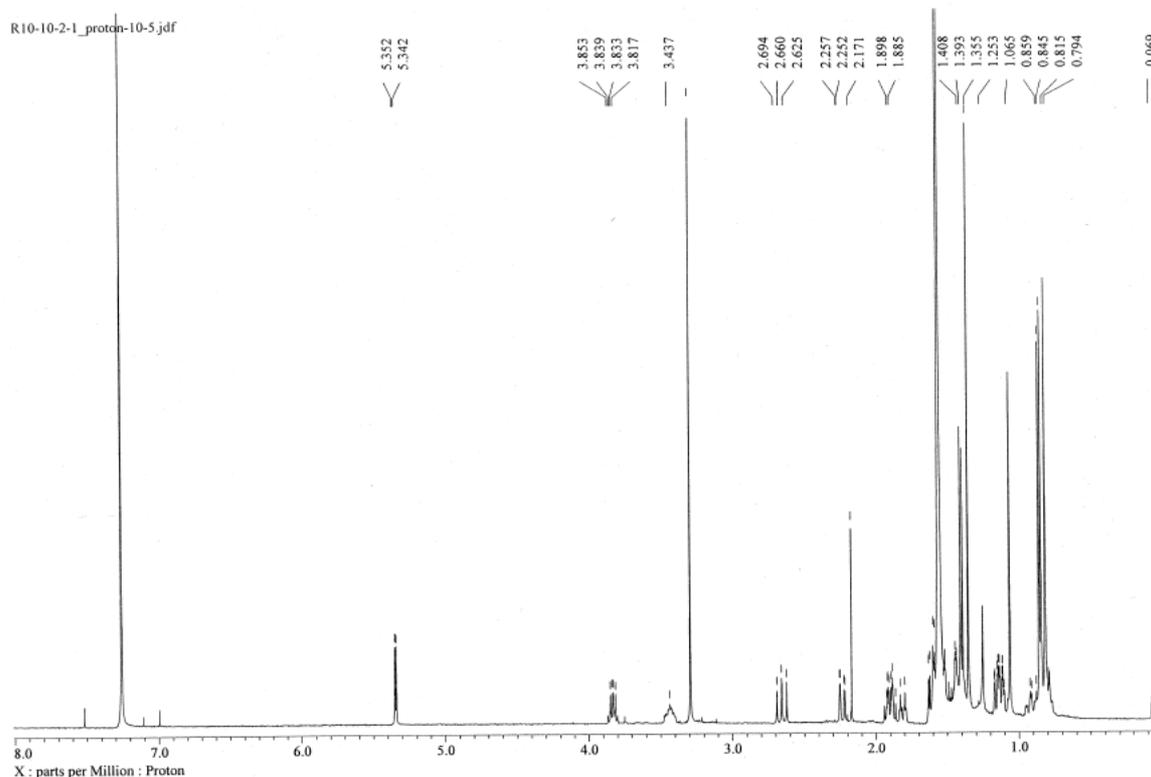
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Instrument: BRUKER FT-MS solarix

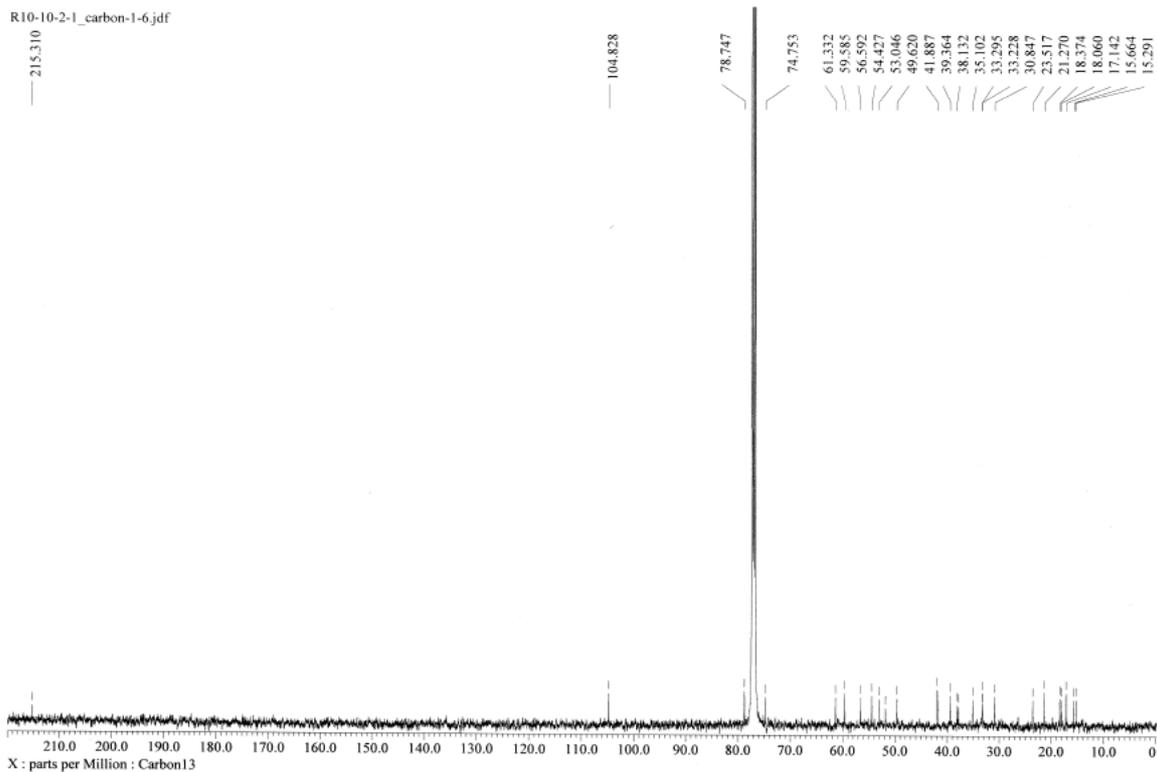


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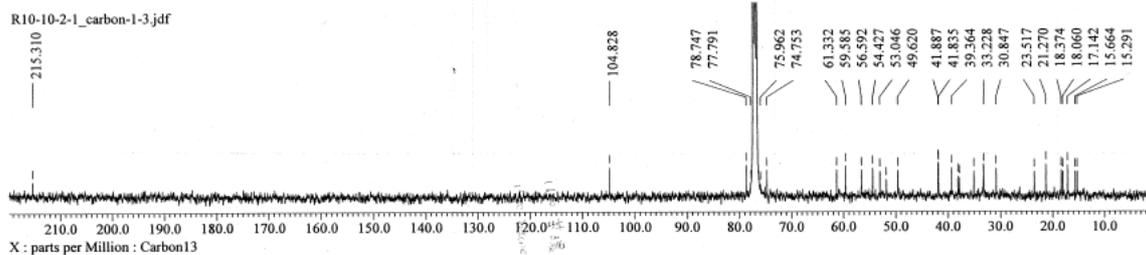
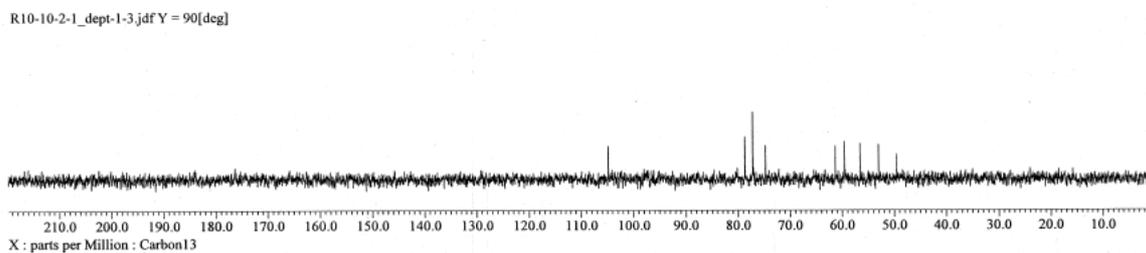
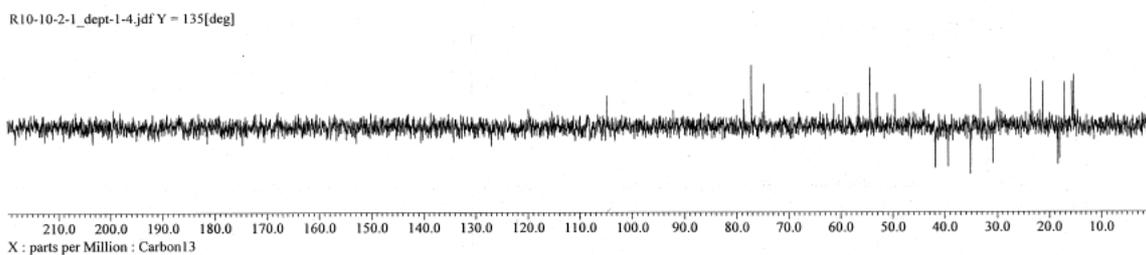
### S1. HRESIMS spectrum of compound 1.



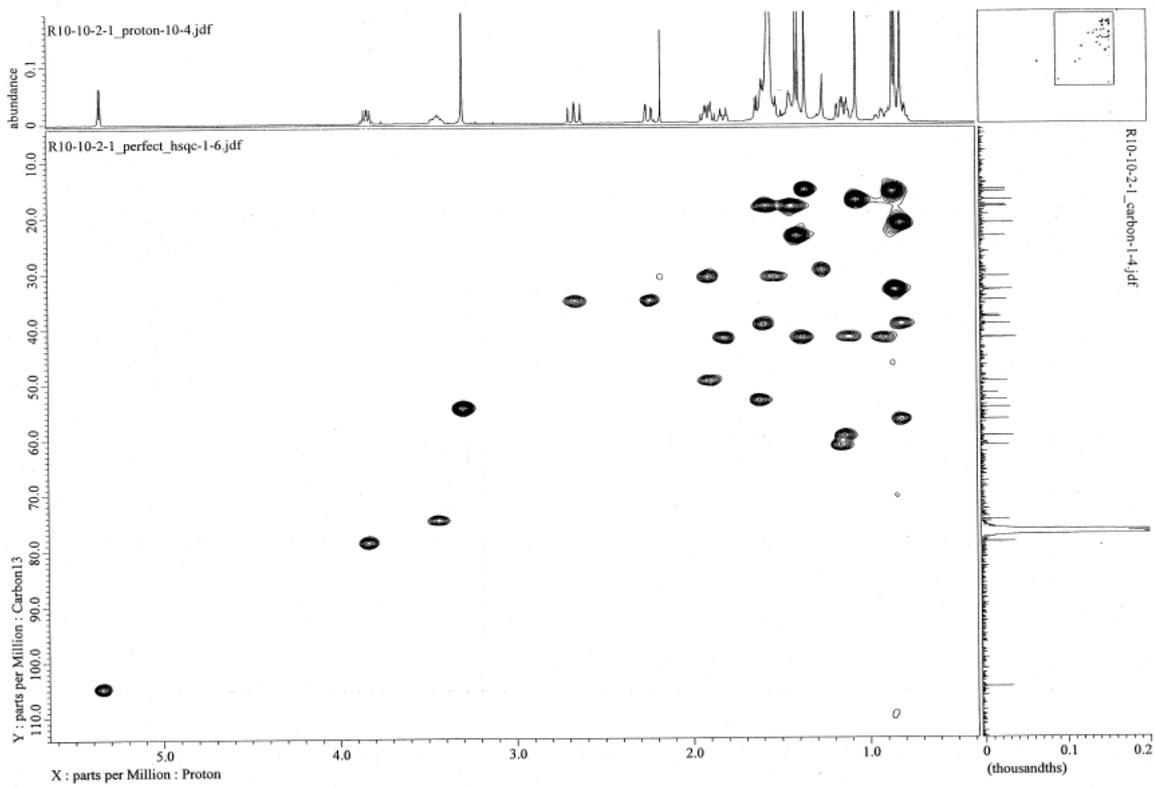
### S2. <sup>1</sup>H NMR spectrum (400 MHz) of compound 1 in CDCl<sub>3</sub>.



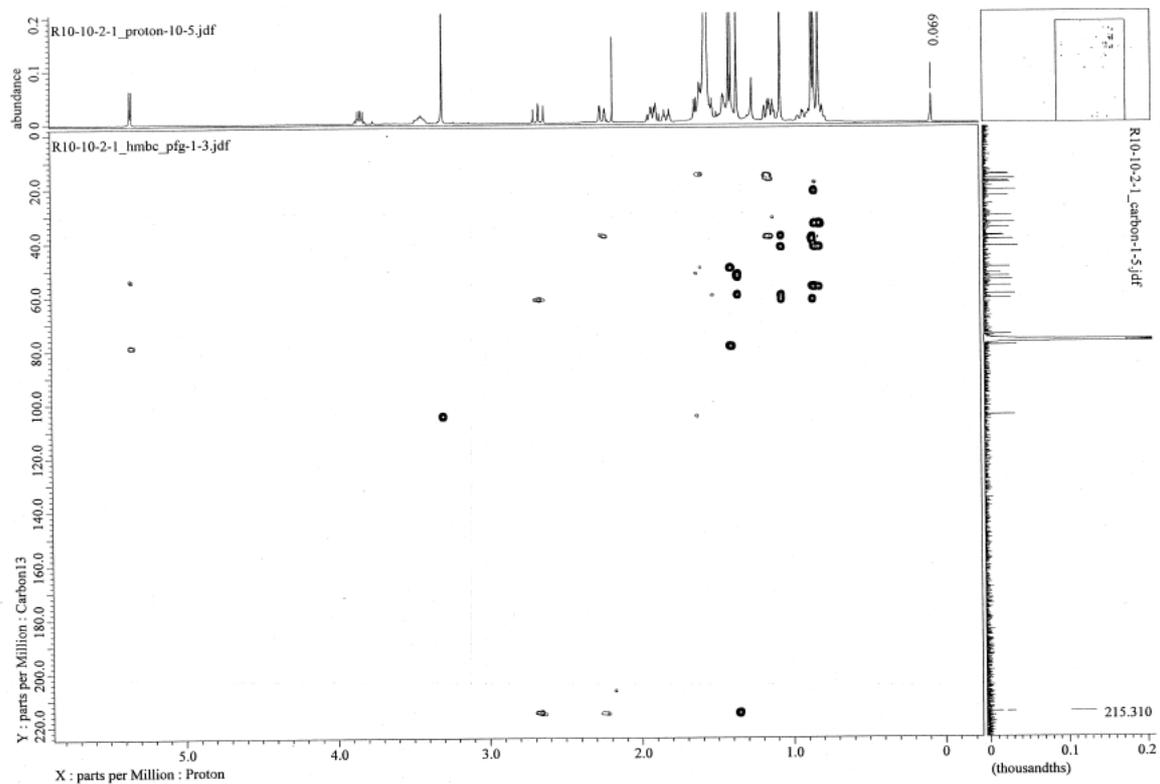
S3.  $^{13}\text{C}$  NMR spectrum (100 MHz) of compound **1** in  $\text{CDCl}_3$ .



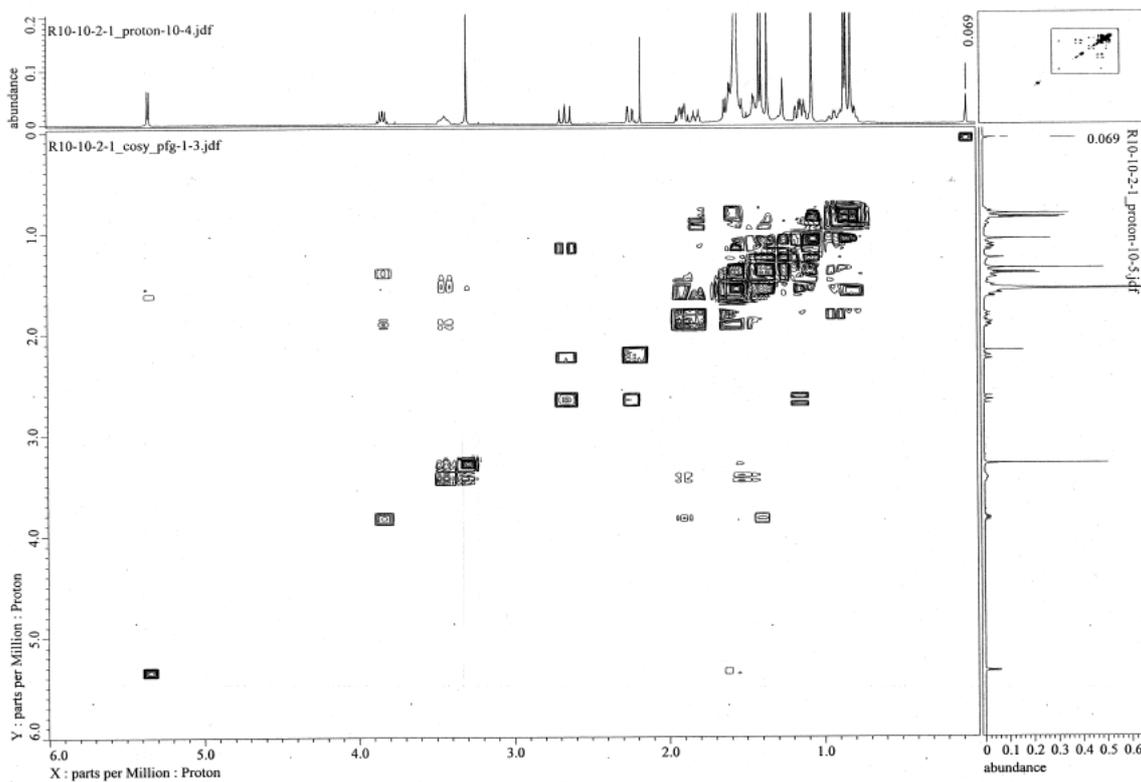
S4. DEPT spectrum (100 MHz) of compound **1** in  $\text{CDCl}_3$



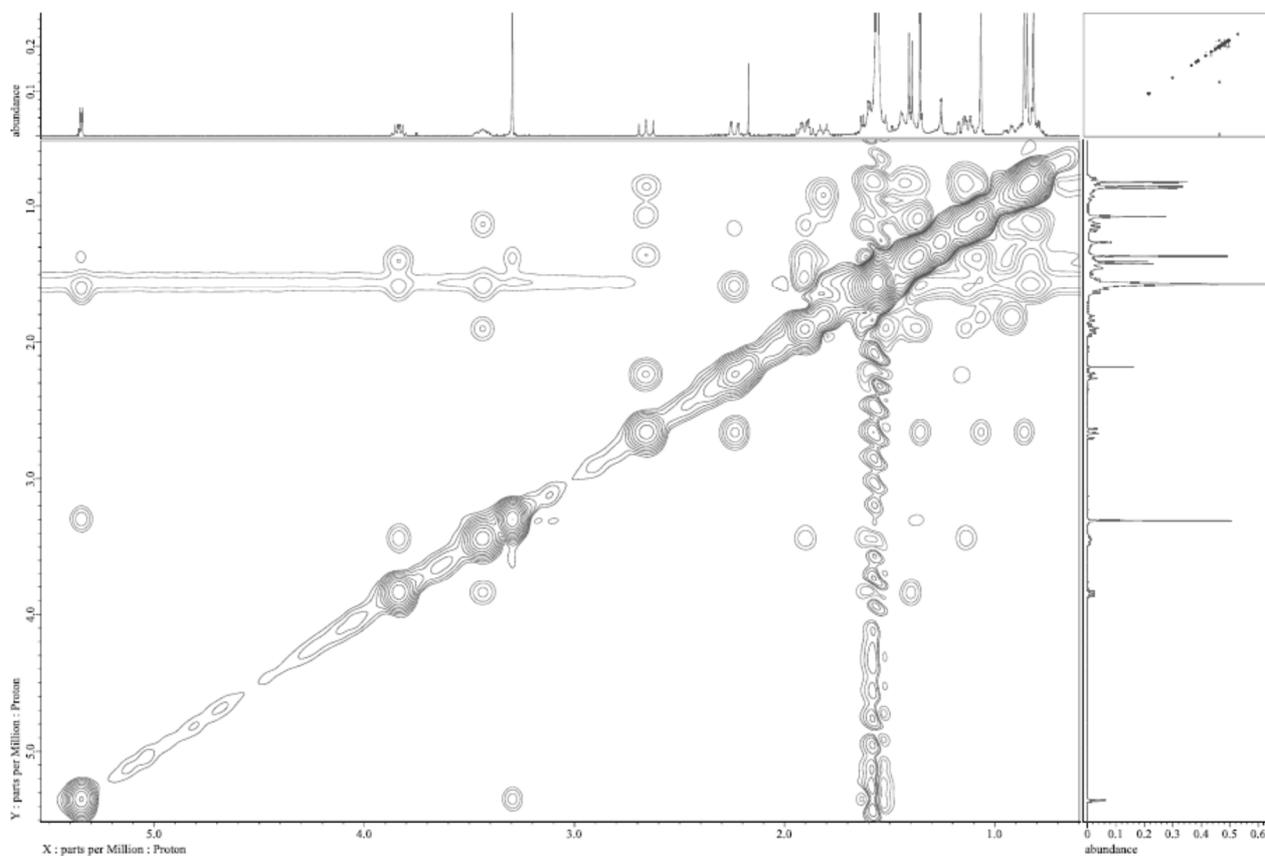
S5. HSQC spectrum of compound **1** in CDCl<sub>3</sub>.



S6. HMBC spectrum of compound **1** in CDCl<sub>3</sub>.



S7.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **1** in  $\text{CDCl}_3$ .



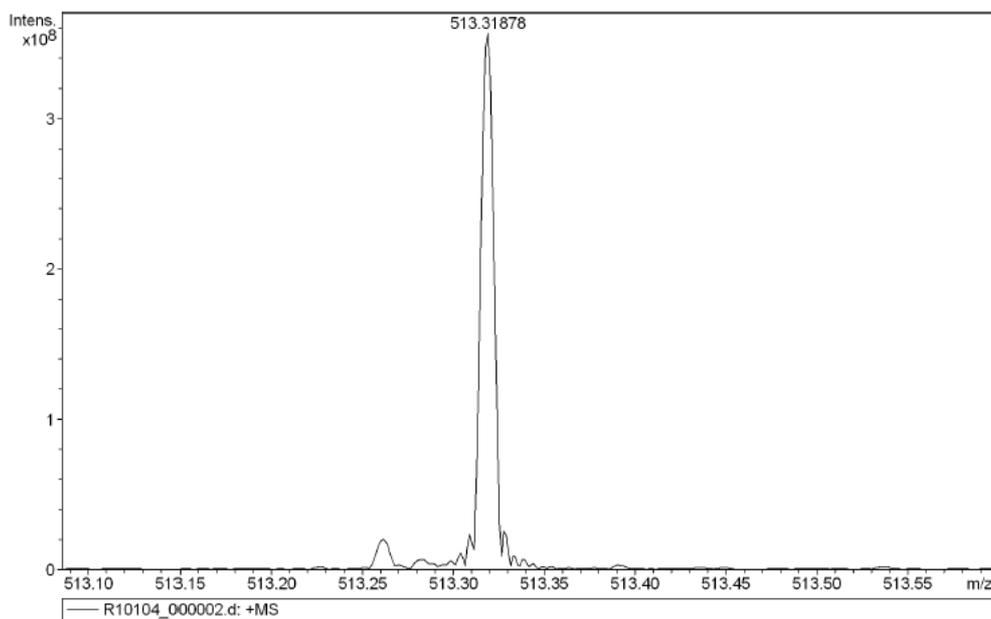
S8. NOESY spectrum of compound **1** in  $\text{CDCl}_3$

## Mass Spectrum SmartFormula Report

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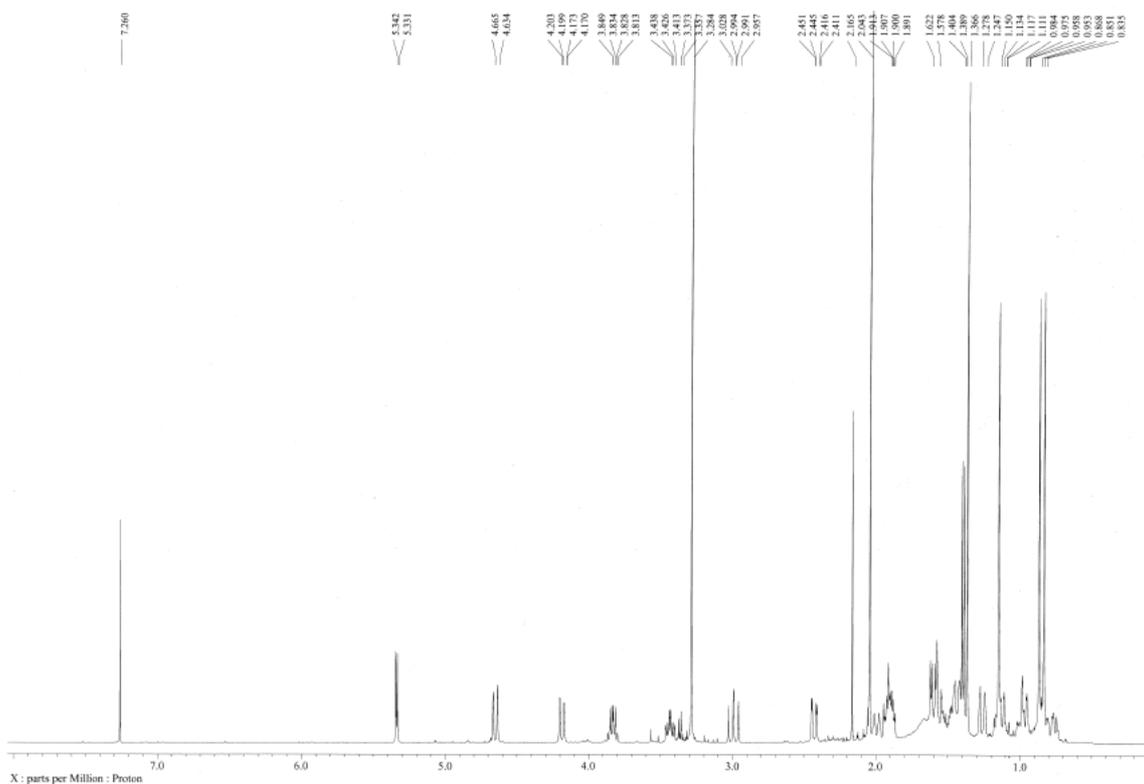
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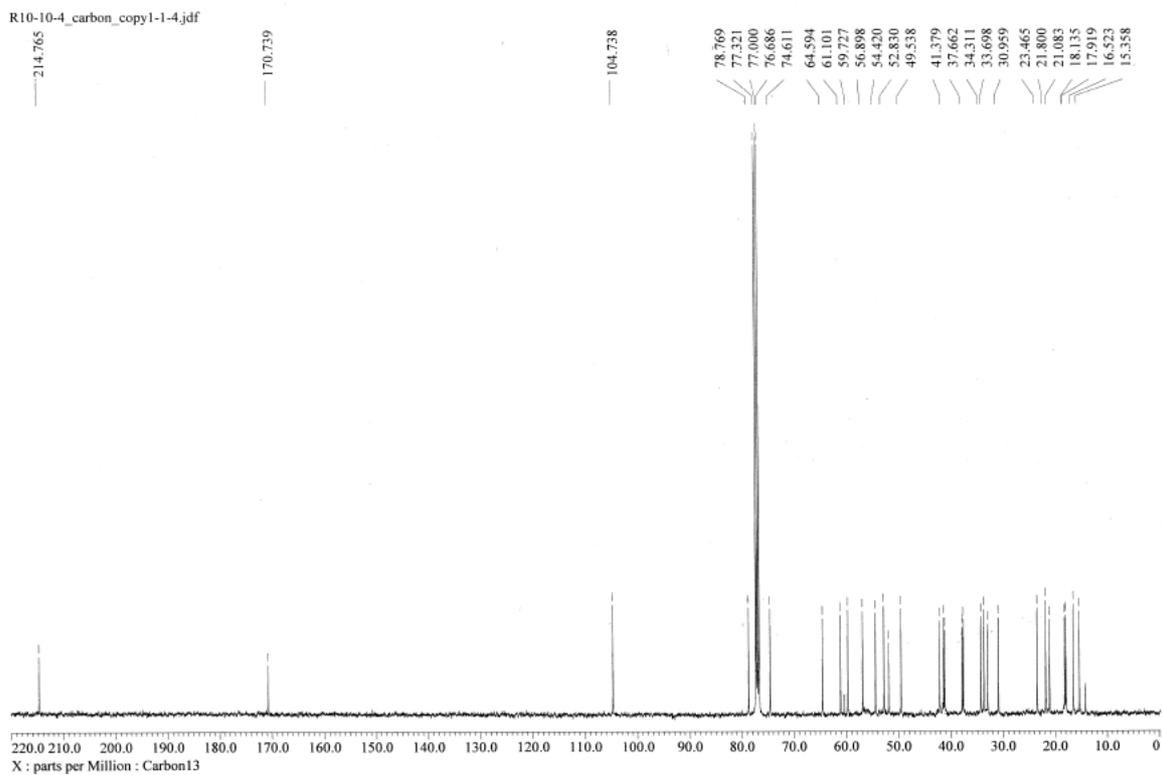


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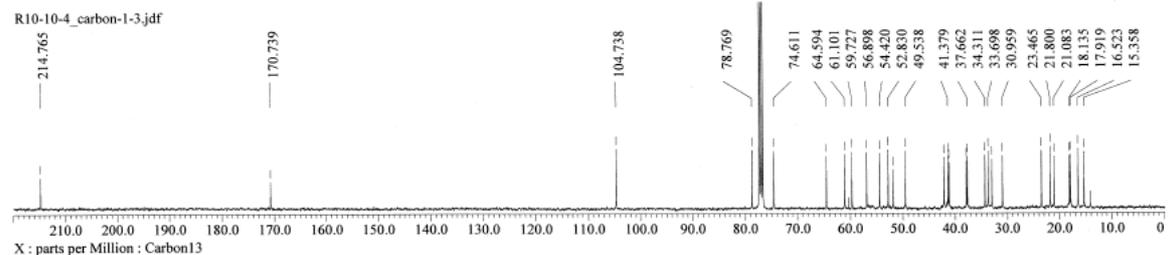
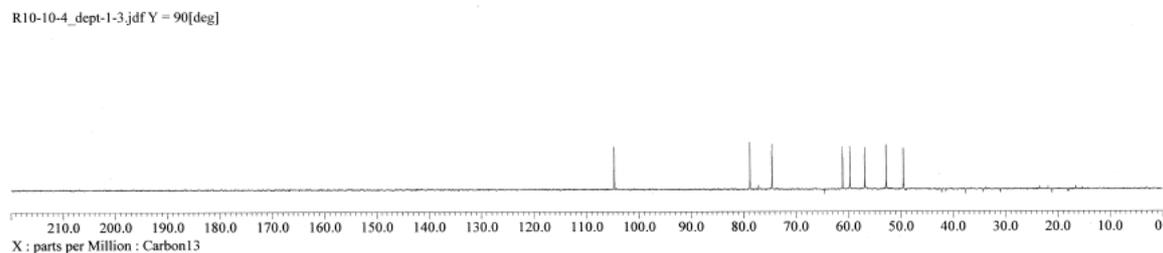
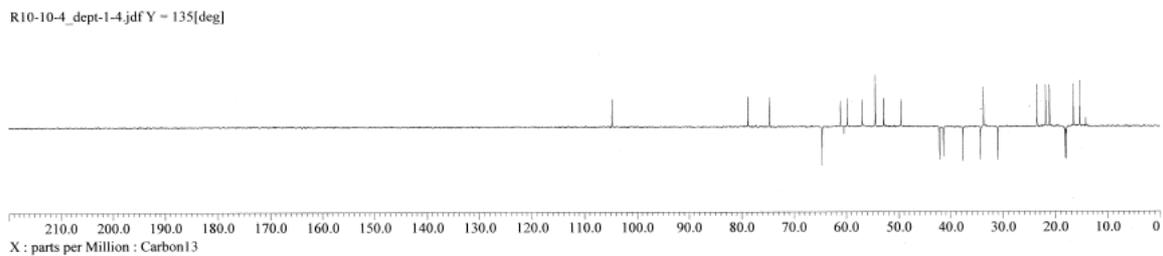
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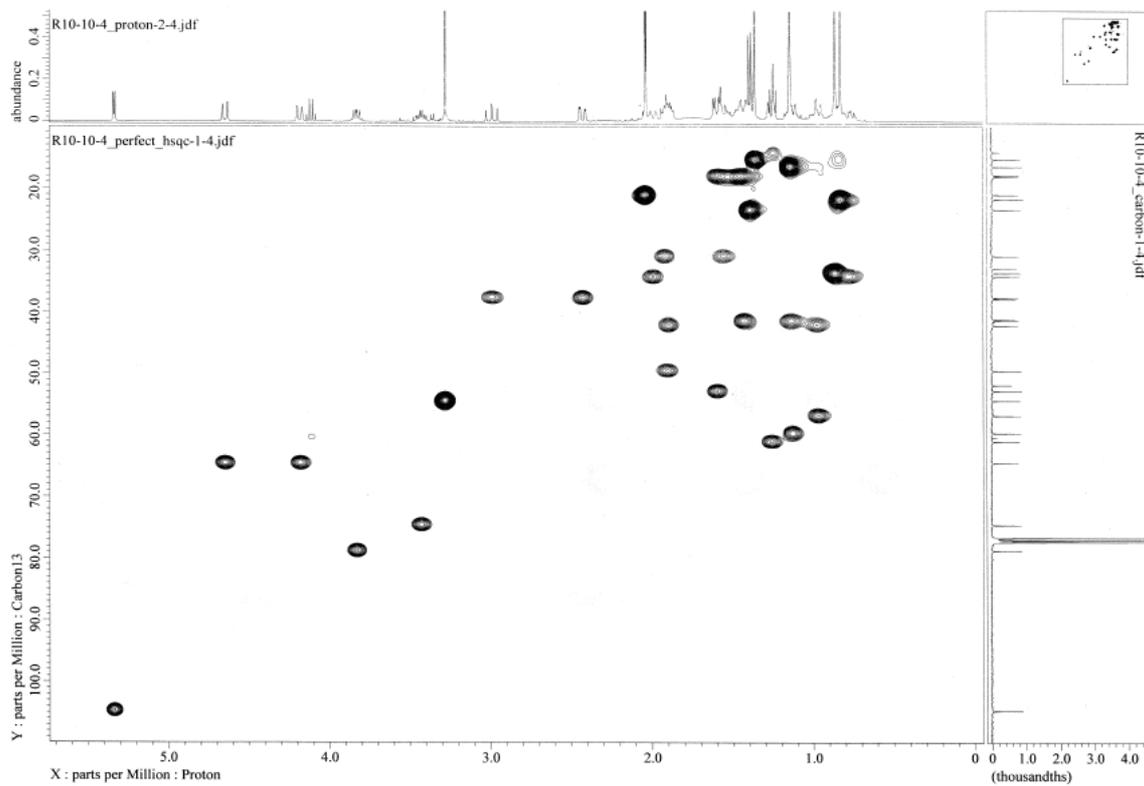
S10. <sup>1</sup>H NMR spectrum (400 MHz) of compound 2 in CDCl<sub>3</sub>.



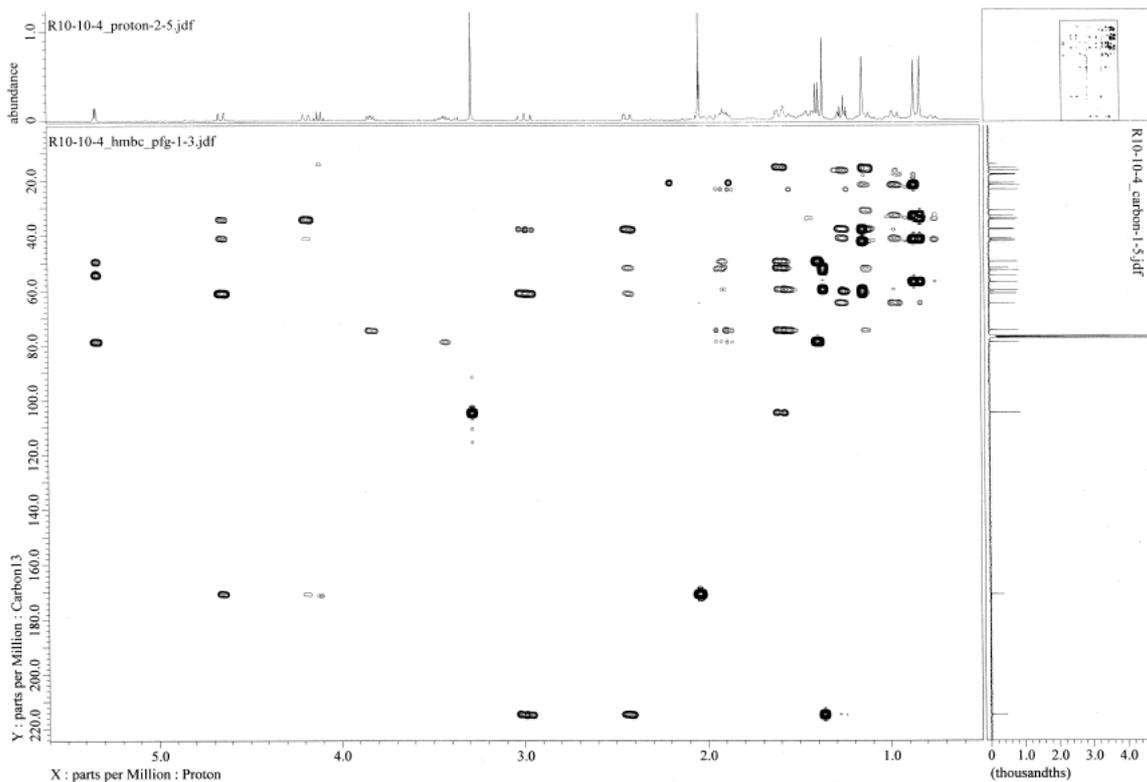
S11.  $^{13}\text{C}$  NMR spectrum (100 MHz) of compound **2** in  $\text{CDCl}_3$ .



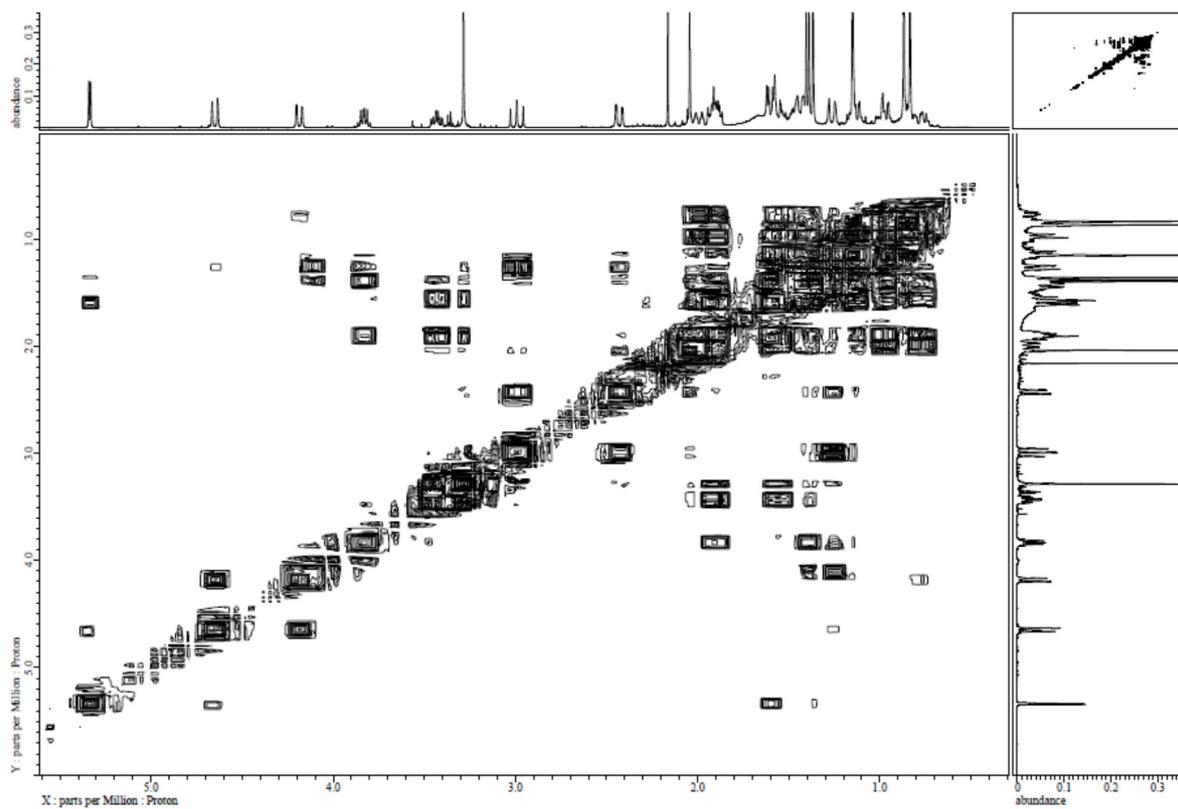
S12. DEPT spectrum (100 MHz) of compound **2** in  $\text{CDCl}_3$ .



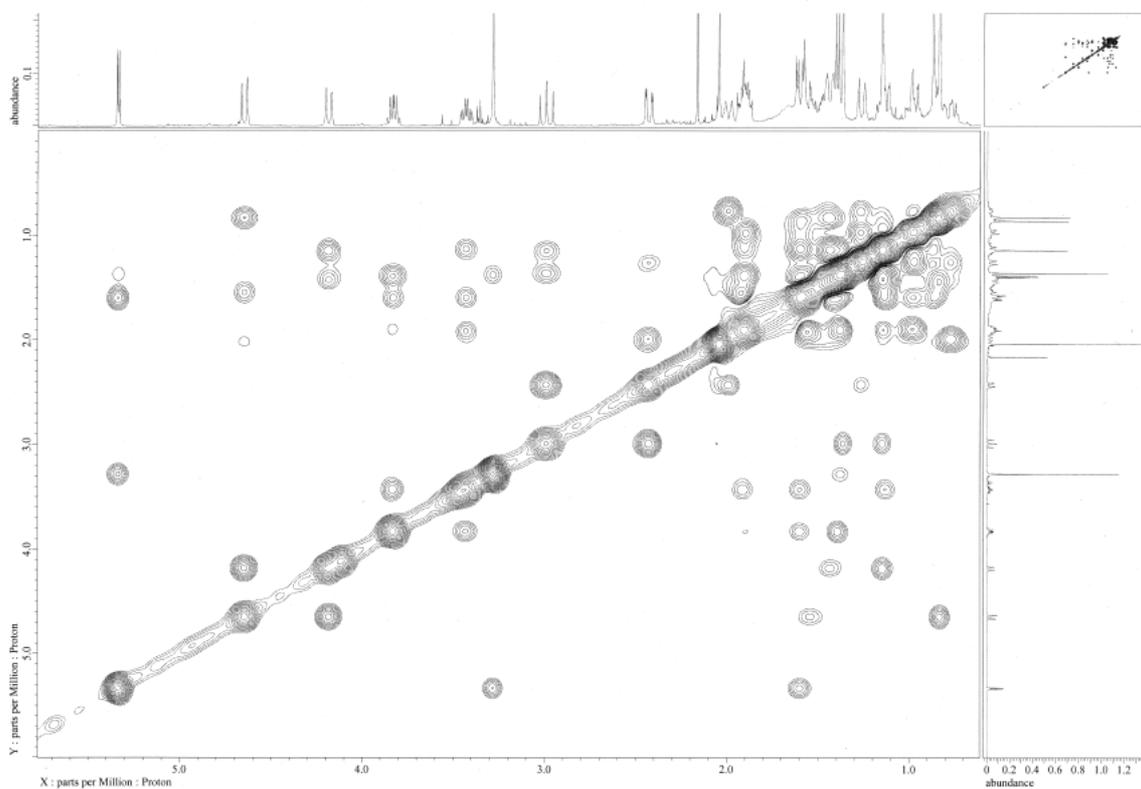
S13. HSQC spectrum of compound **2** in  $\text{CDCl}_3$ .



S14. HMBC spectrum of compound **2** in  $\text{CDCl}_3$ .



S15.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **2** in  $\text{CDCl}_3$ .



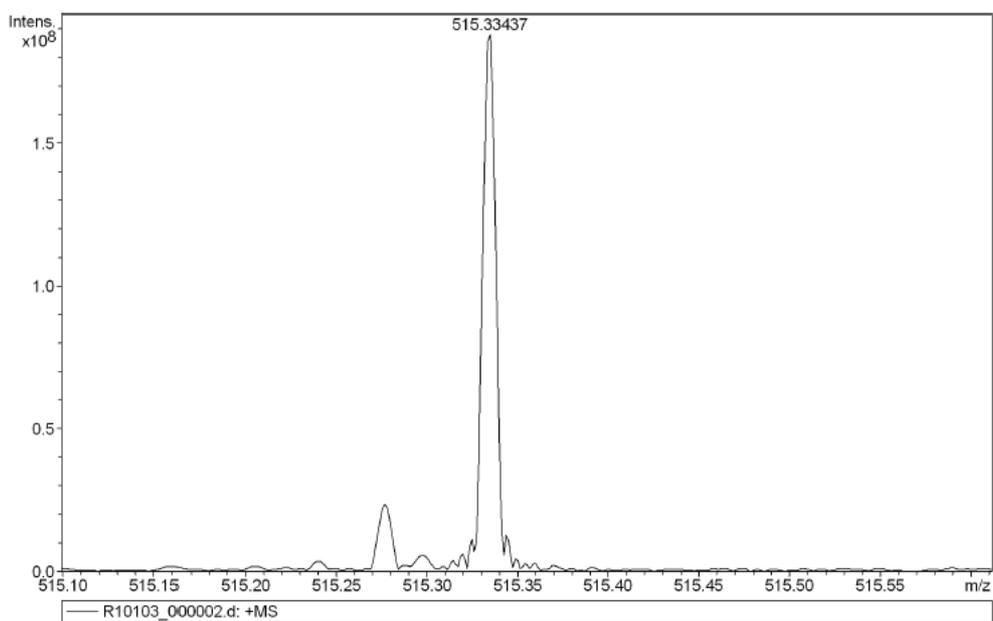
S16 NOESY spectrum of compound **2** in  $\text{CDCl}_3$

## Mass Spectrum SmartFormula Report

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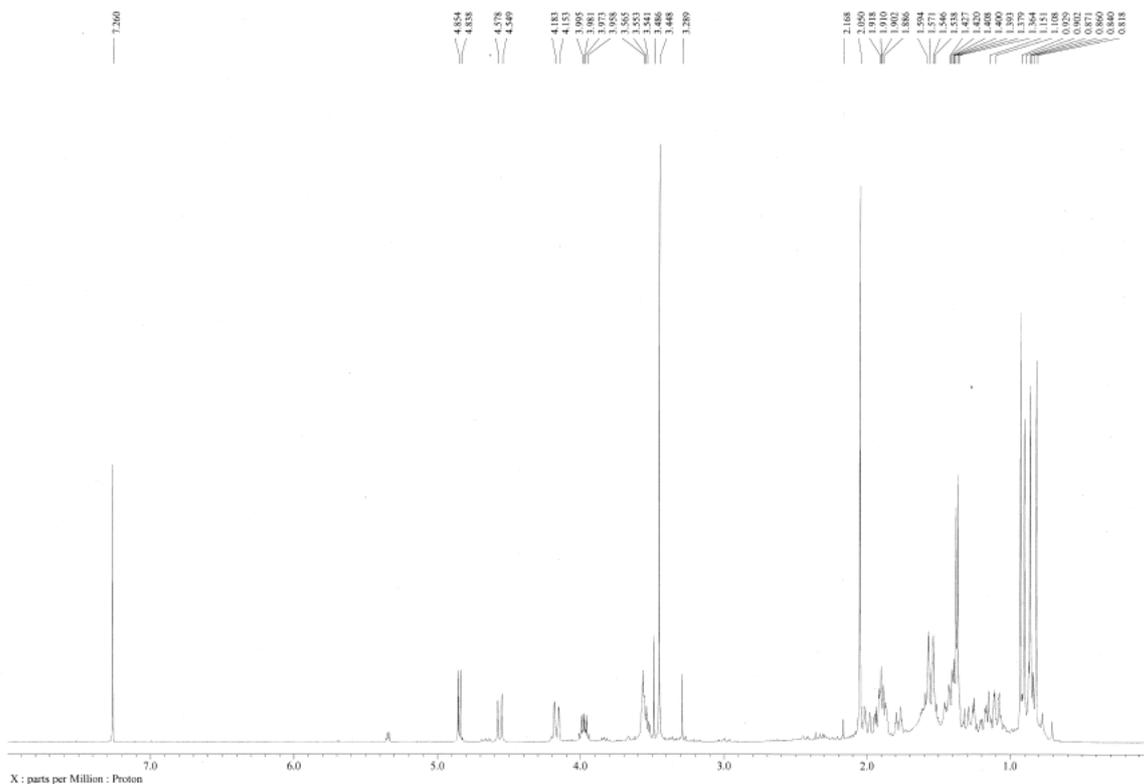
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11/25/2019 1:03:34 PM  
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Instrument: BRUKER FT-MS solariX

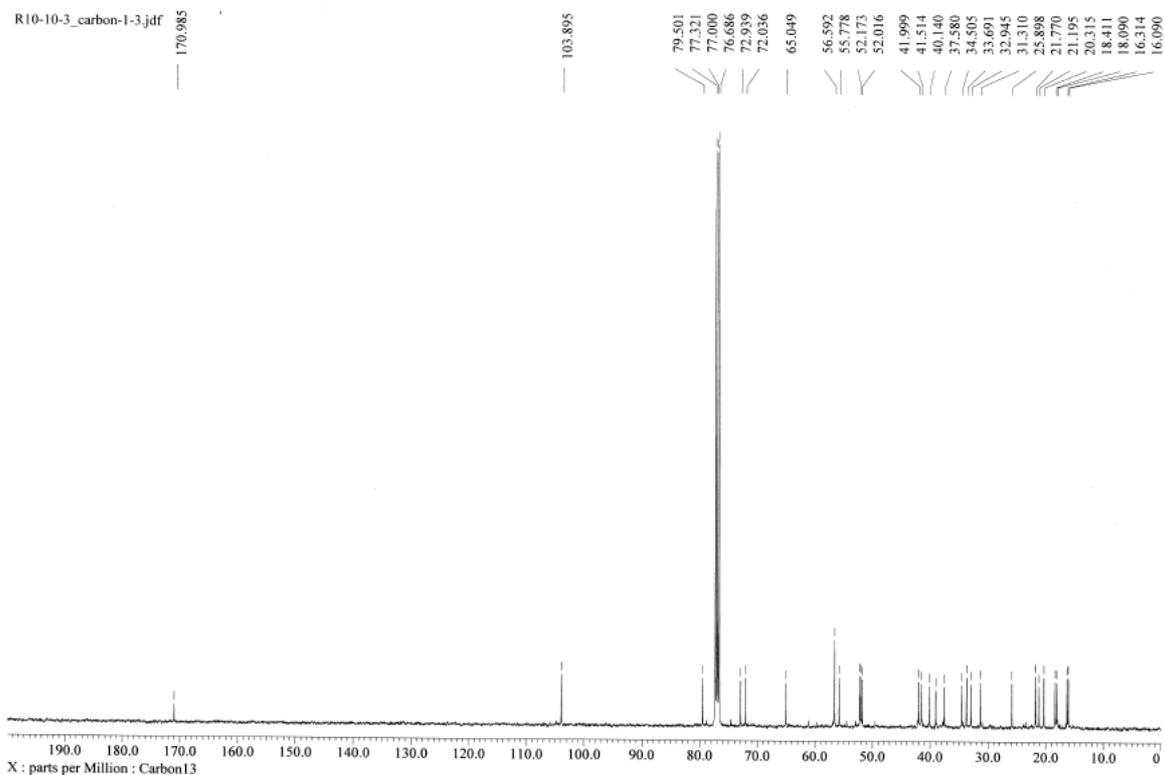


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515.33437	1	C <sub>29</sub> H <sub>48</sub> NaO <sub>6</sub>	100.00	515.33431	-0.06	-0.12	10.5	5.5	even	ok

S17. HRESIMS spectrum of compound 3.

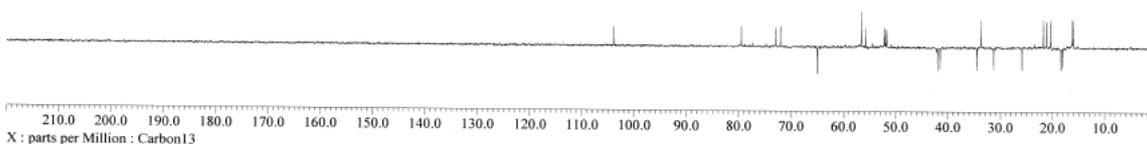


S18. <sup>1</sup>H NMR spectrum (400 MHz) of compound 3 in CDCl<sub>3</sub>.

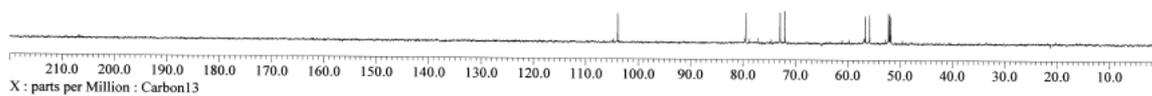


S19.  $^{13}\text{C}$  NMR spectrum (125 MHz) of compound **3** in  $\text{CDCl}_3$ .

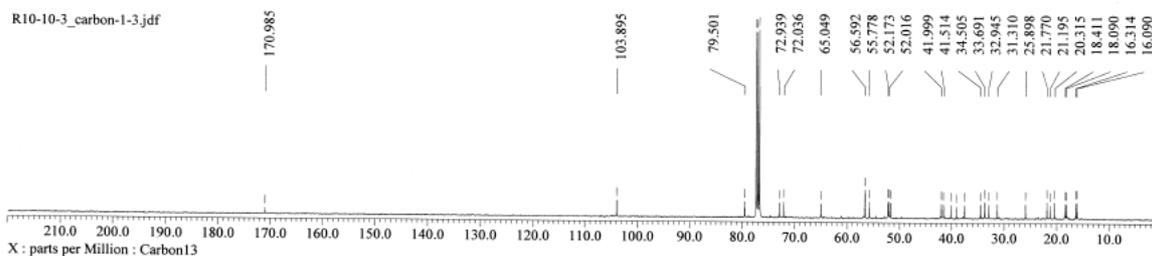
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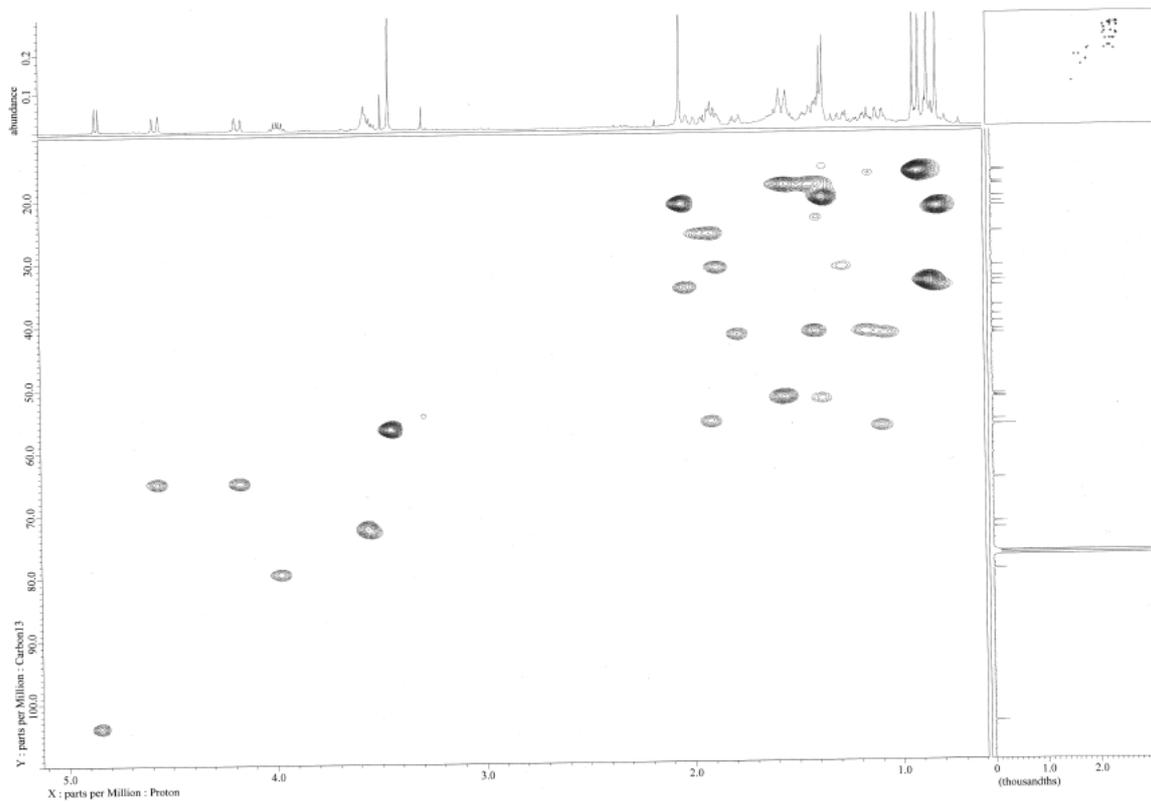
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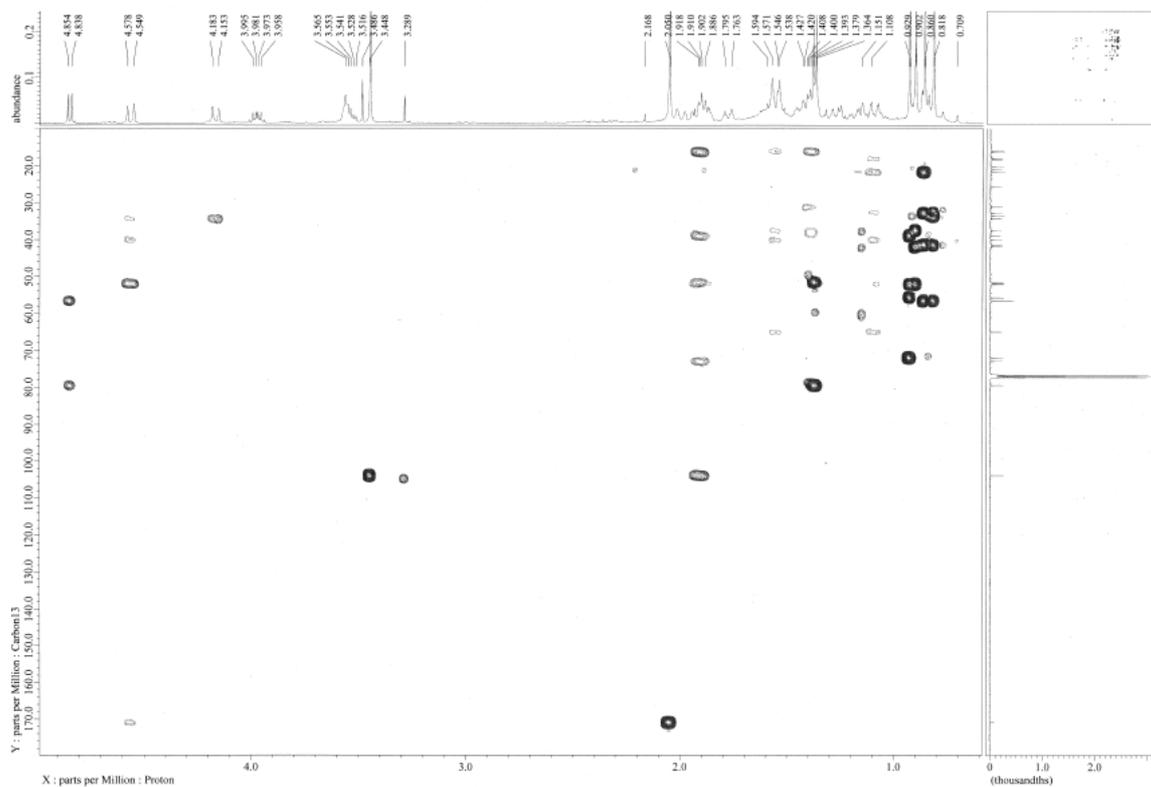
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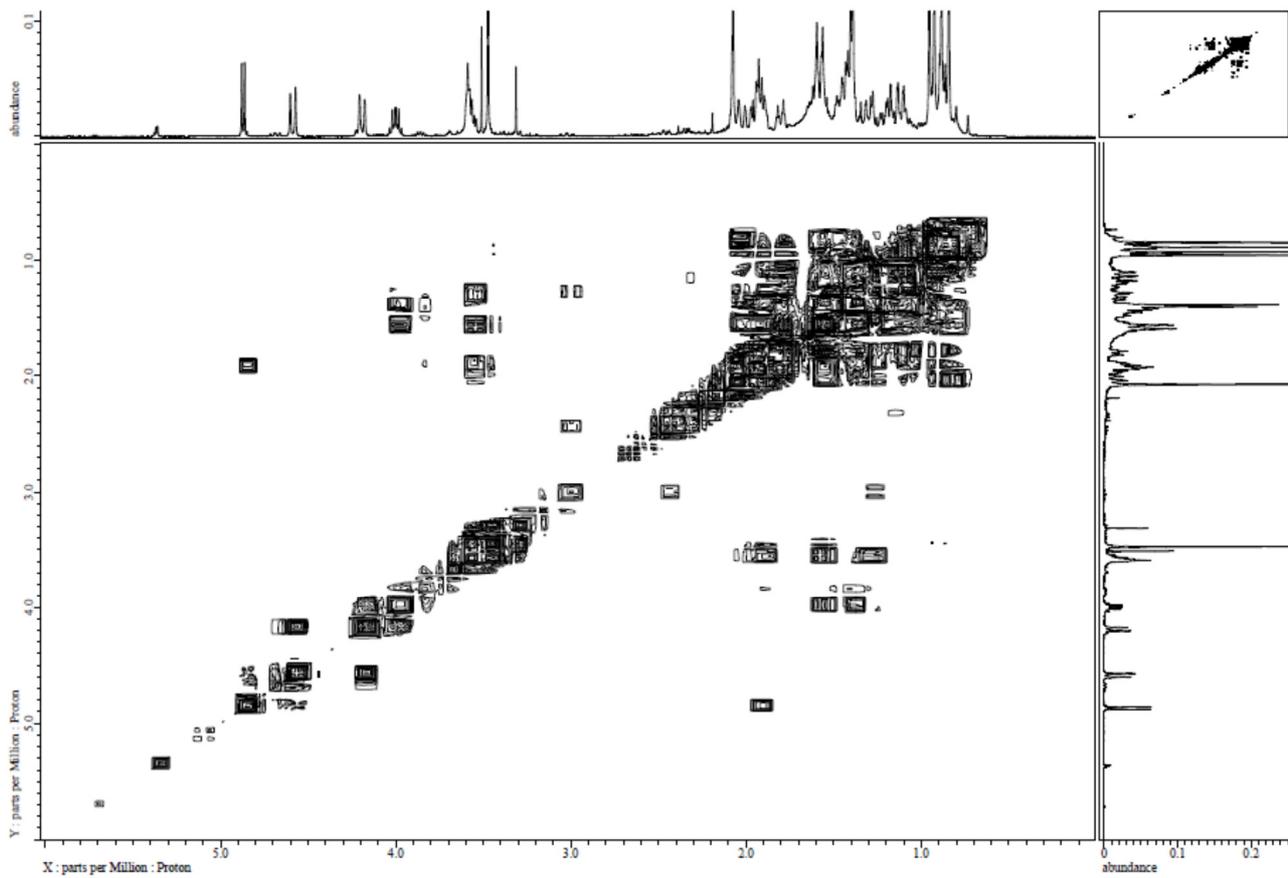
S20. DEPT spectrum (100 MHz) of compound **3** in  $\text{CDCl}_3$ .



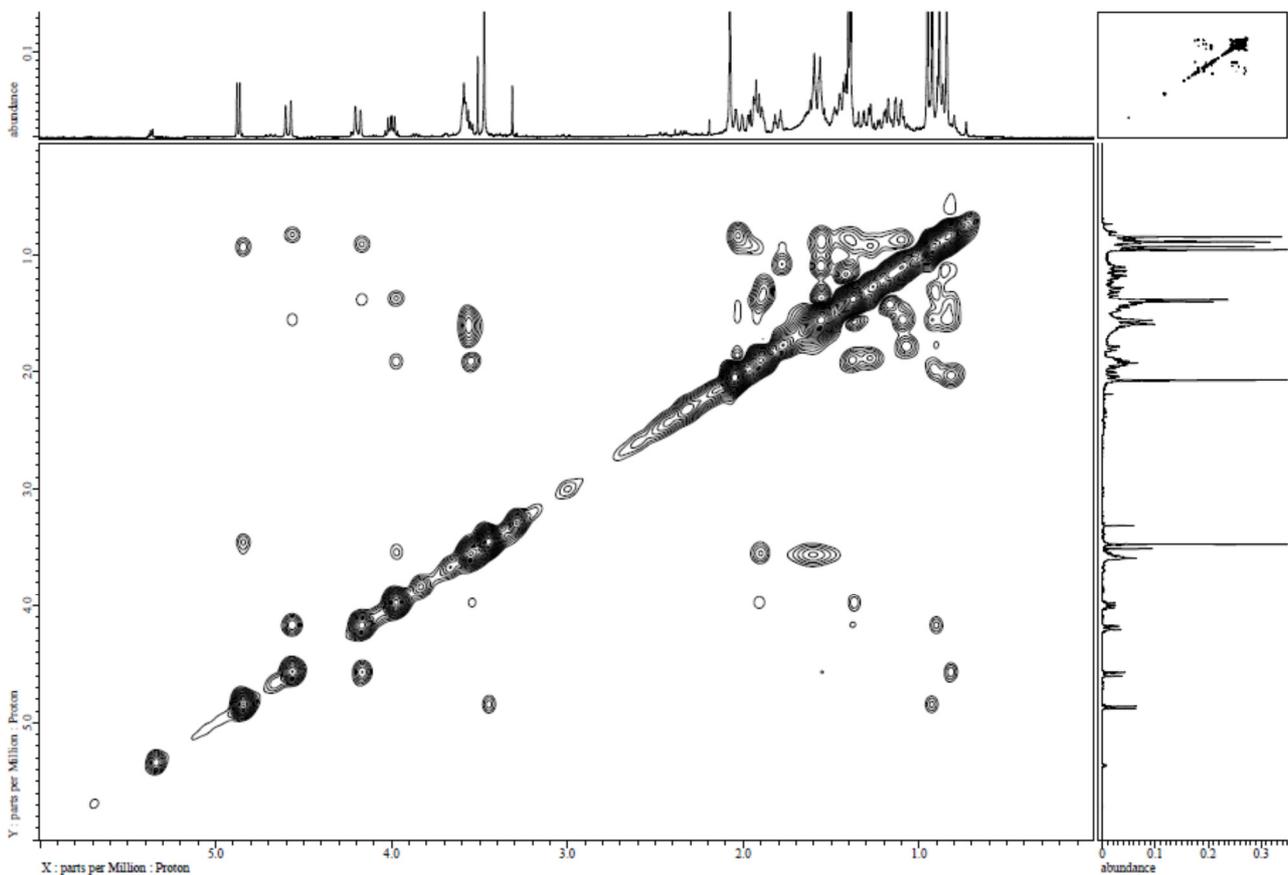
S21. HSQC spectrum of compound **3** in  $\text{CDCl}_3$ .



S22. HMBC spectrum of compound **3** in  $\text{CDCl}_3$ .



S23.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **3** in  $\text{CDCl}_3$ .



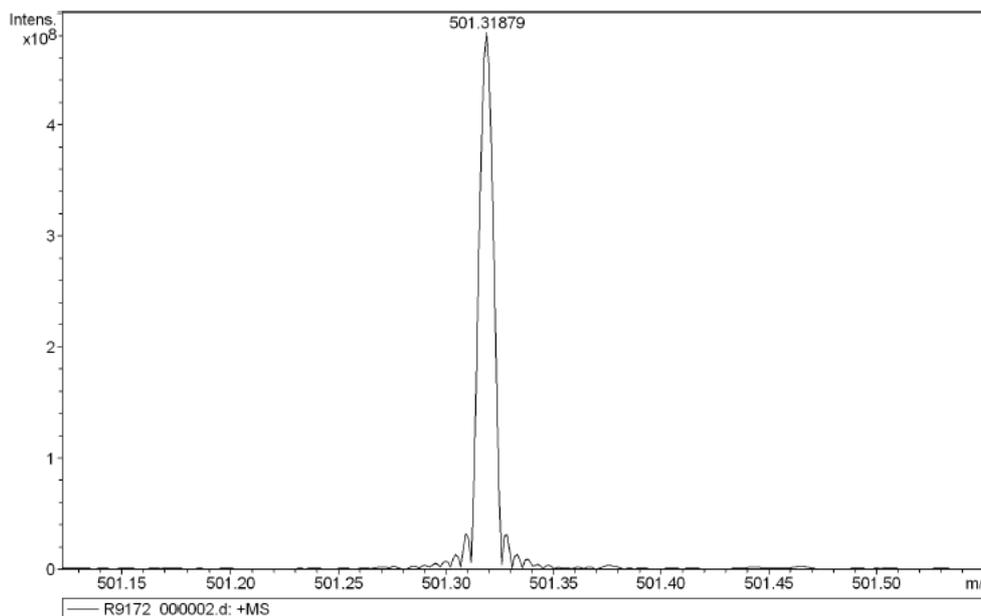
S24. NOESY spectrum of compound **3** in  $\text{CDCl}_3$

## Mass Spectrum SmartFormula Report

### Analysis Info

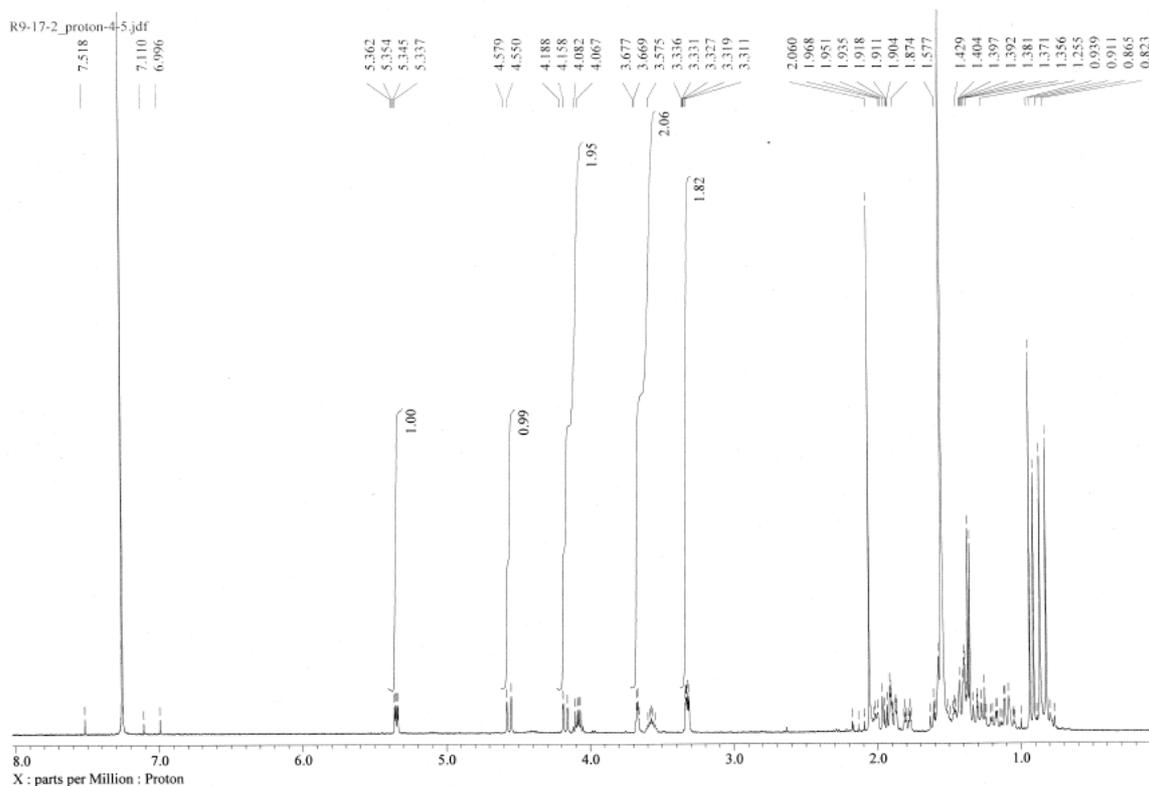
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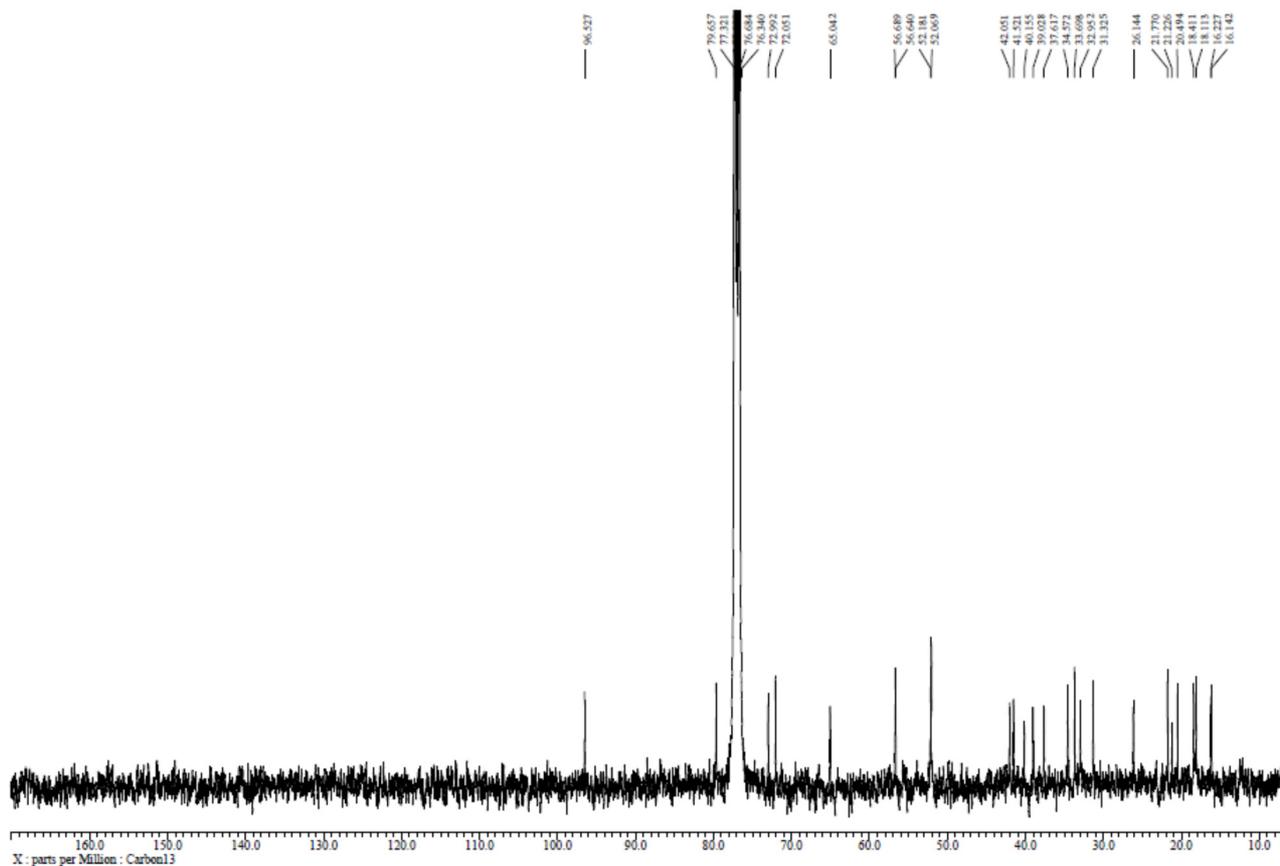


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### S25. HRESIMS spectrum of compound 4.



S26. <sup>1</sup>H NMR spectrum (400 MHz) of compound 4 in CDCl<sub>3</sub>.



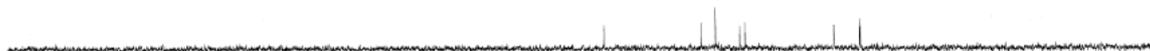
S27.  $^{13}\text{C}$  NMR spectrum (100 MHz) of compound **4** in  $\text{CDCl}_3$ .

R9-17-2\_dept-1-3.jdf Y = 135[deg]



200.0 190.0 180.0 170.0 160.0 150.0 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0  
X : parts per Million : Carbon13

R9-17-2\_dept-1-4.jdf Y = 90[deg]



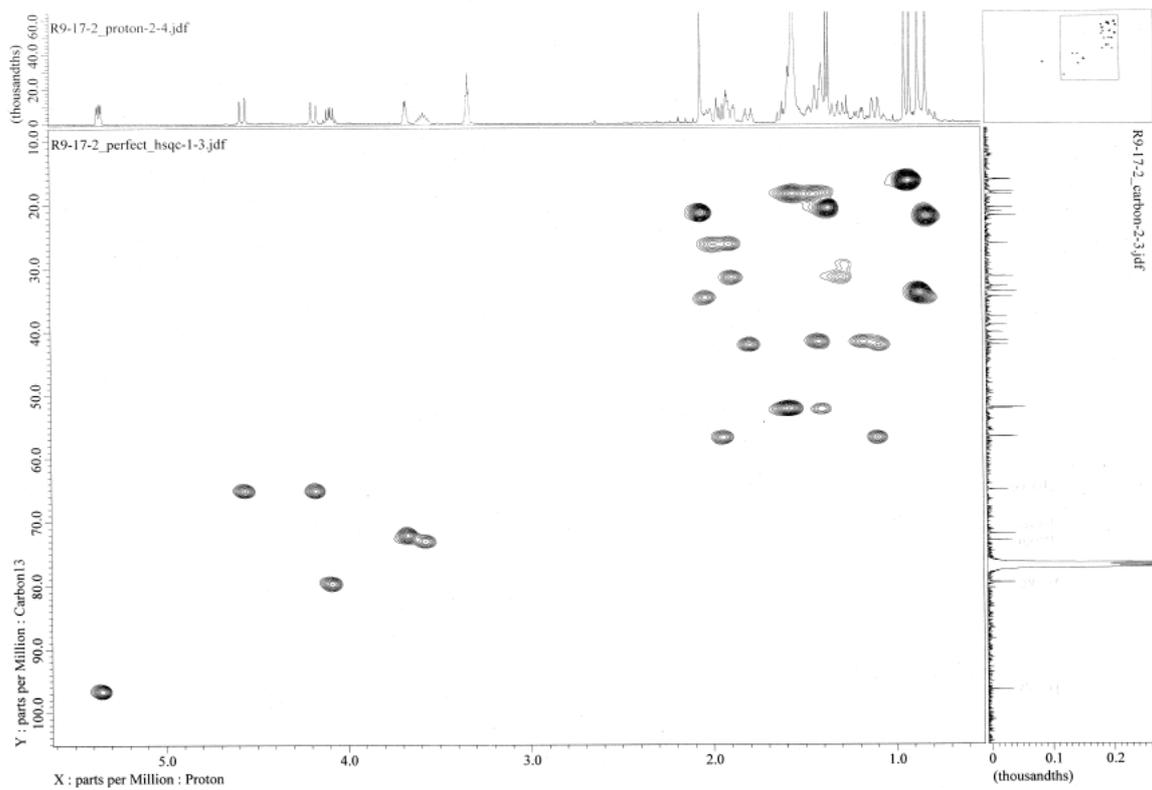
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R9-17-2\_carbon-2-3.jdf

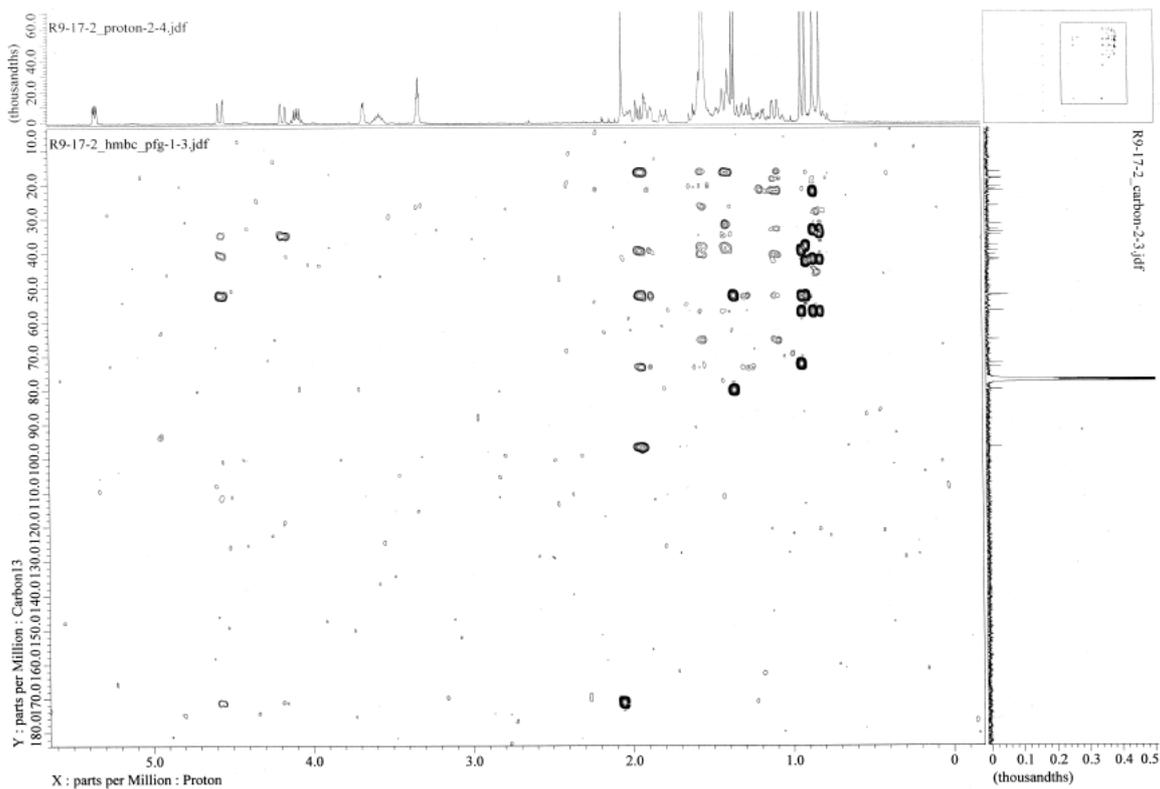


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X : parts per Million : Carbon13

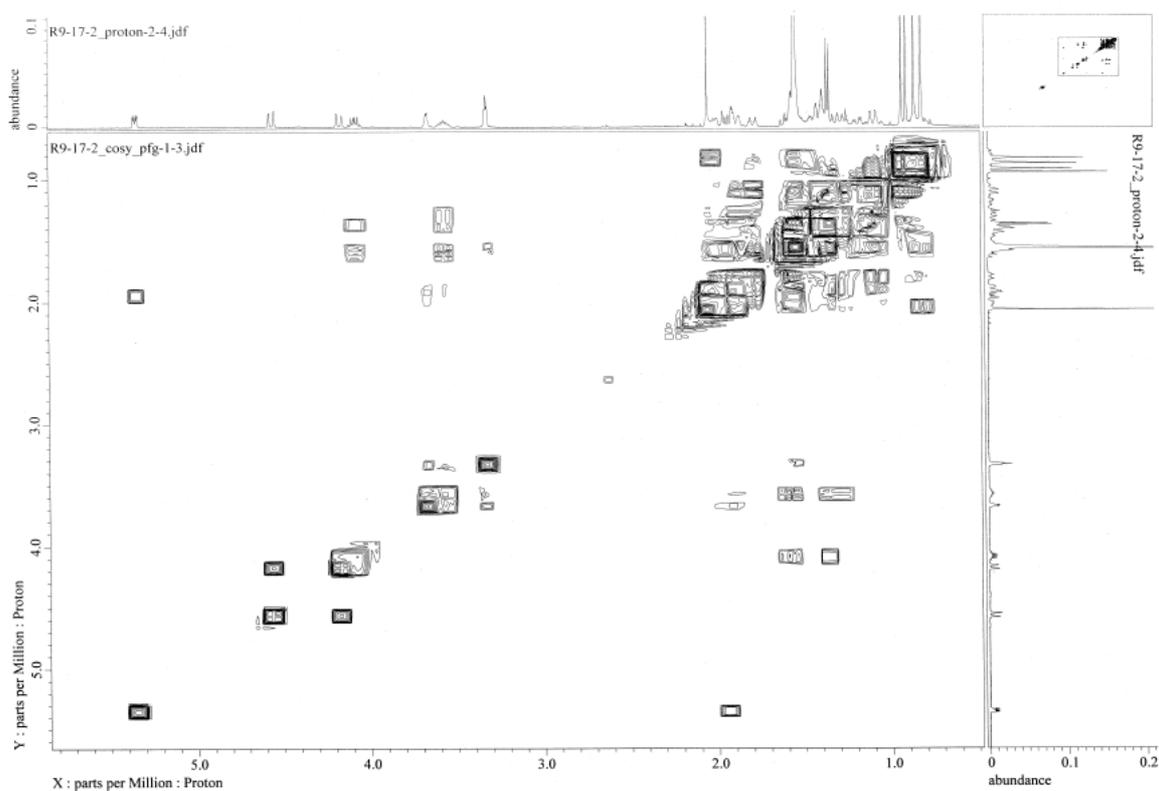
S28. DEPT spectrum (100 MHz) of compound **4** in  $\text{CDCl}_3$ .



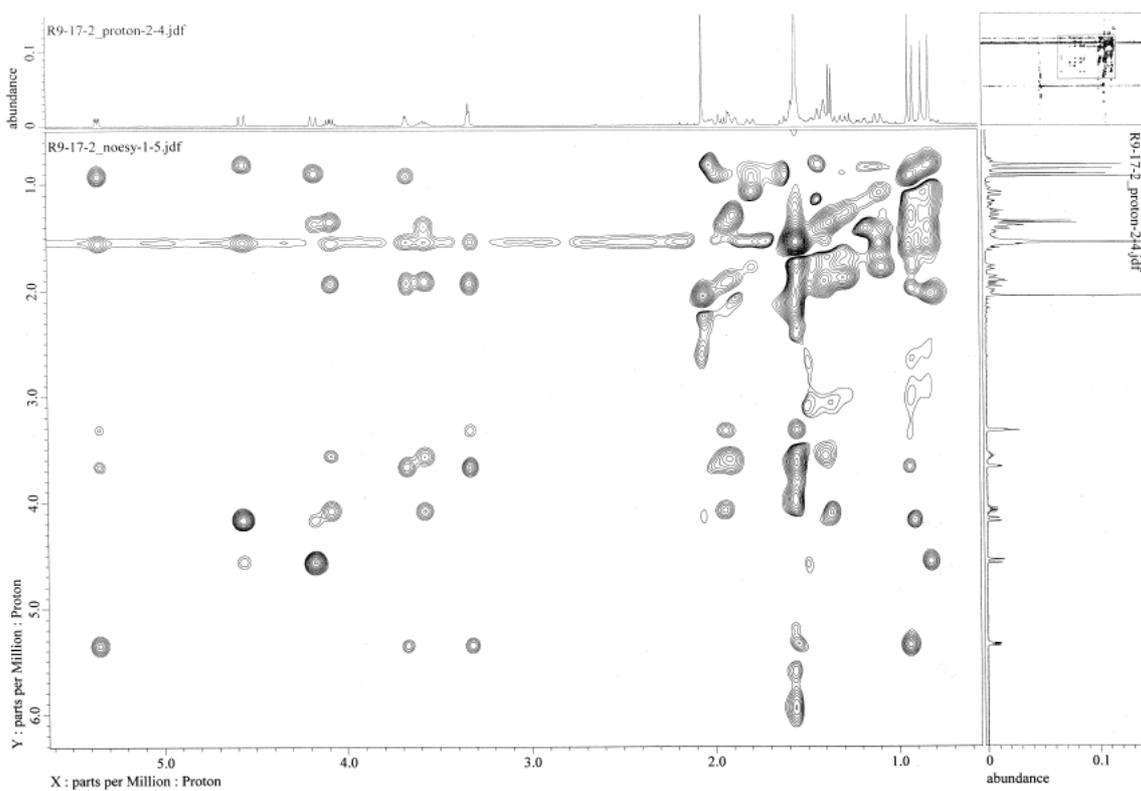
S29. HSQC spectrum of compound **4** in CDCl<sub>3</sub>.



S30. HMBC spectrum of compound **4** in CDCl<sub>3</sub>.



S31.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **4** in  $\text{CDCl}_3$ .



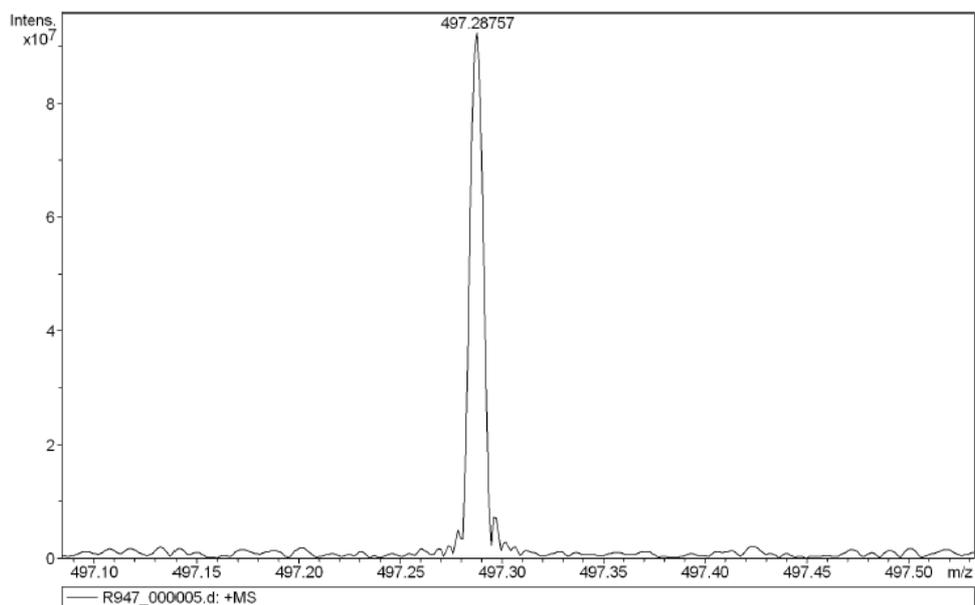
S32. NOESY spectrum of compound **4** in  $\text{CDCl}_3$

## Mass Spectrum SmartFormula Report

### Analysis Info

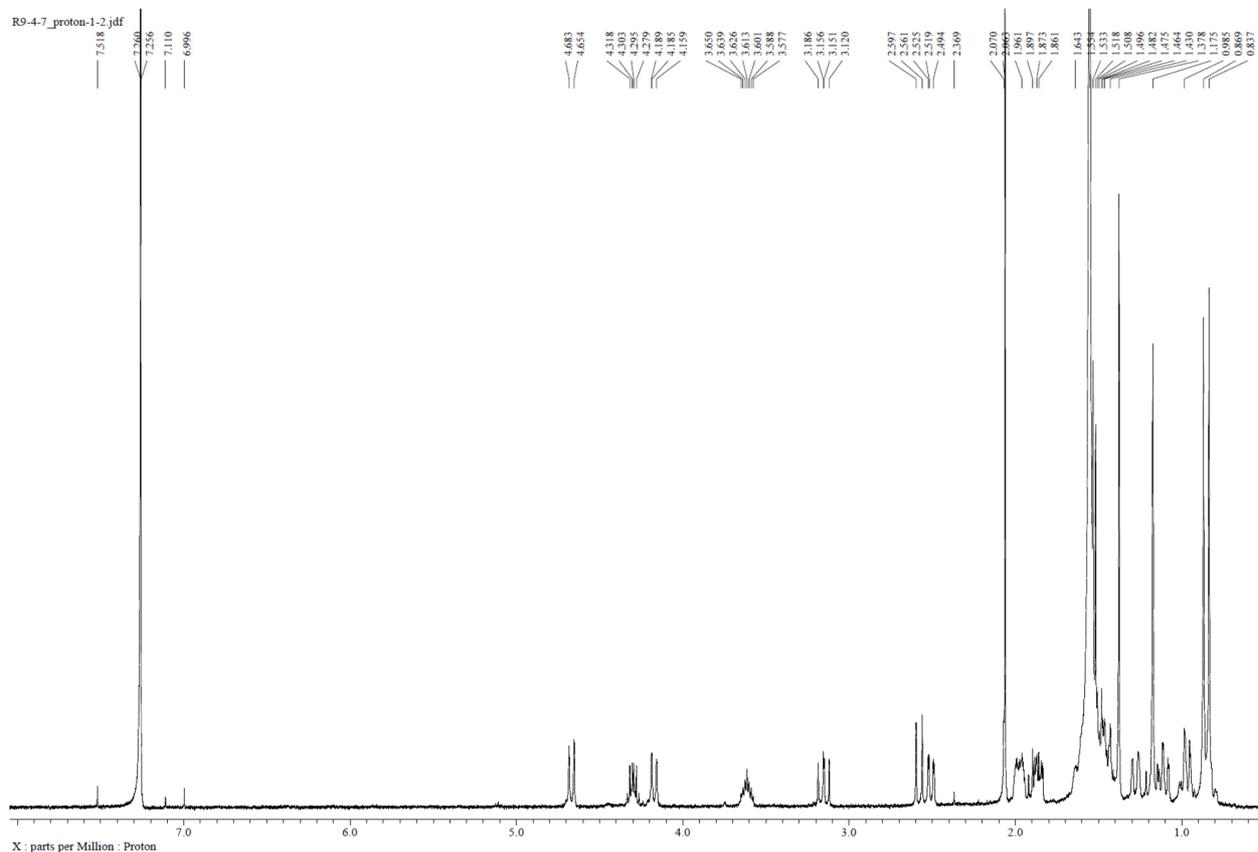
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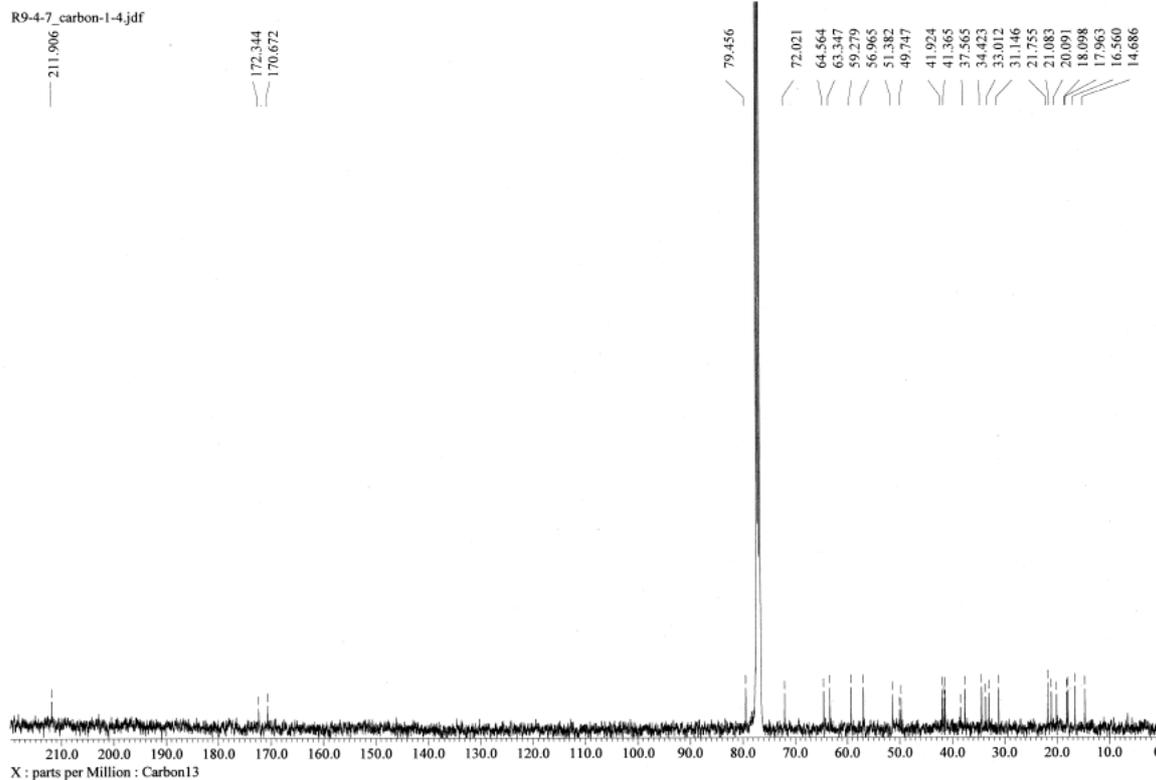


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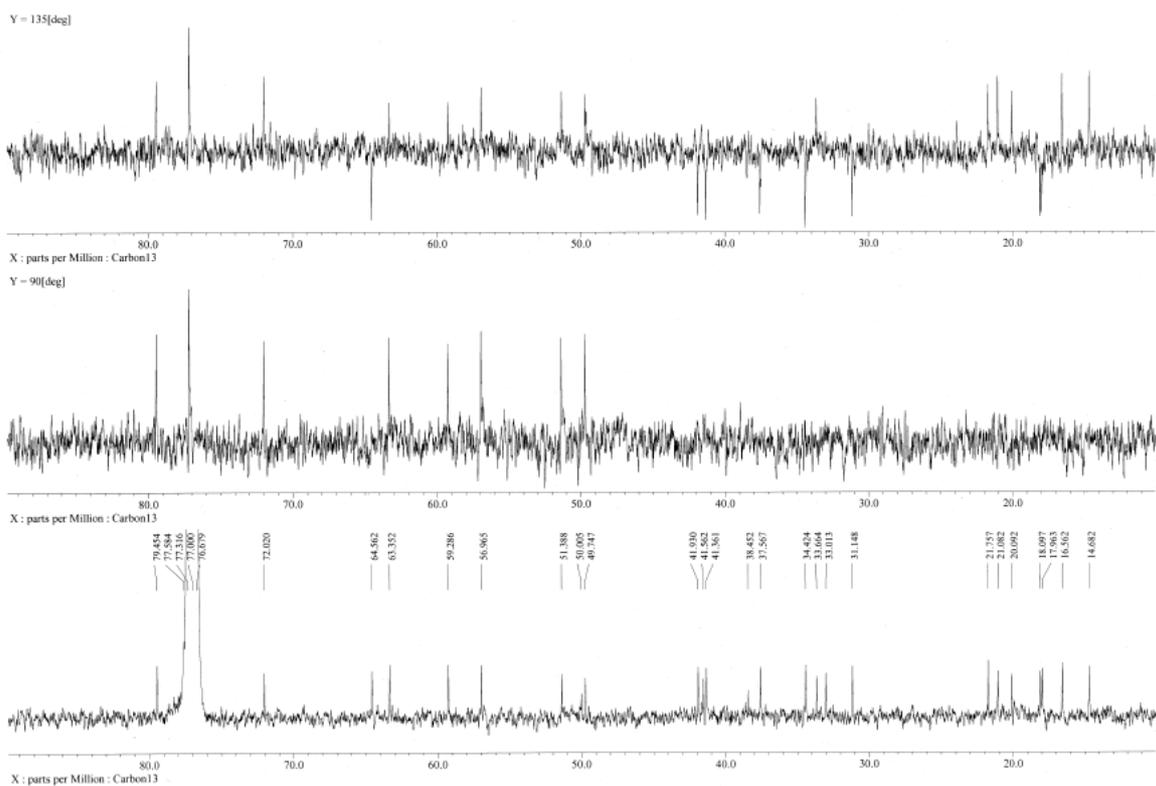
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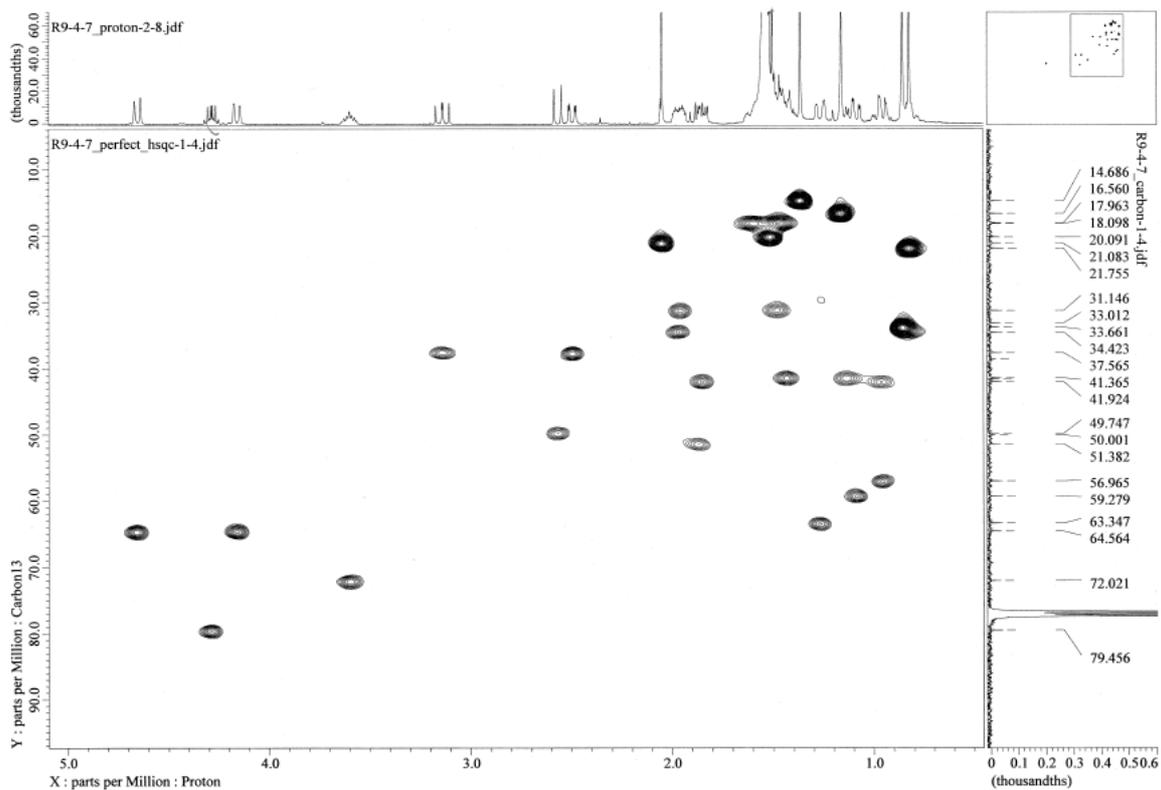
### S34. <sup>1</sup>H NMR spectrum (400 MHz) of compound 5 in CDCl<sub>3</sub>.



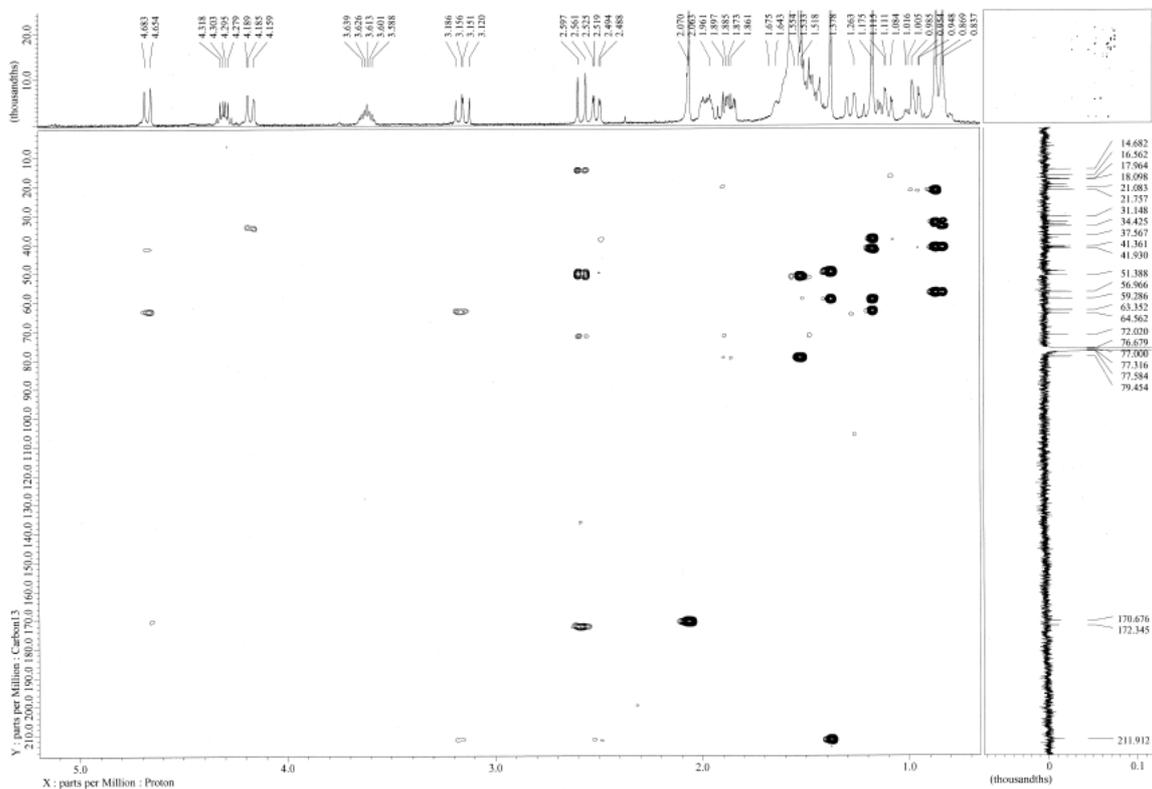
S35.  $^{13}\text{C}$  NMR spectrum (100 MHz) of compound **5** in  $\text{CDCl}_3$ .



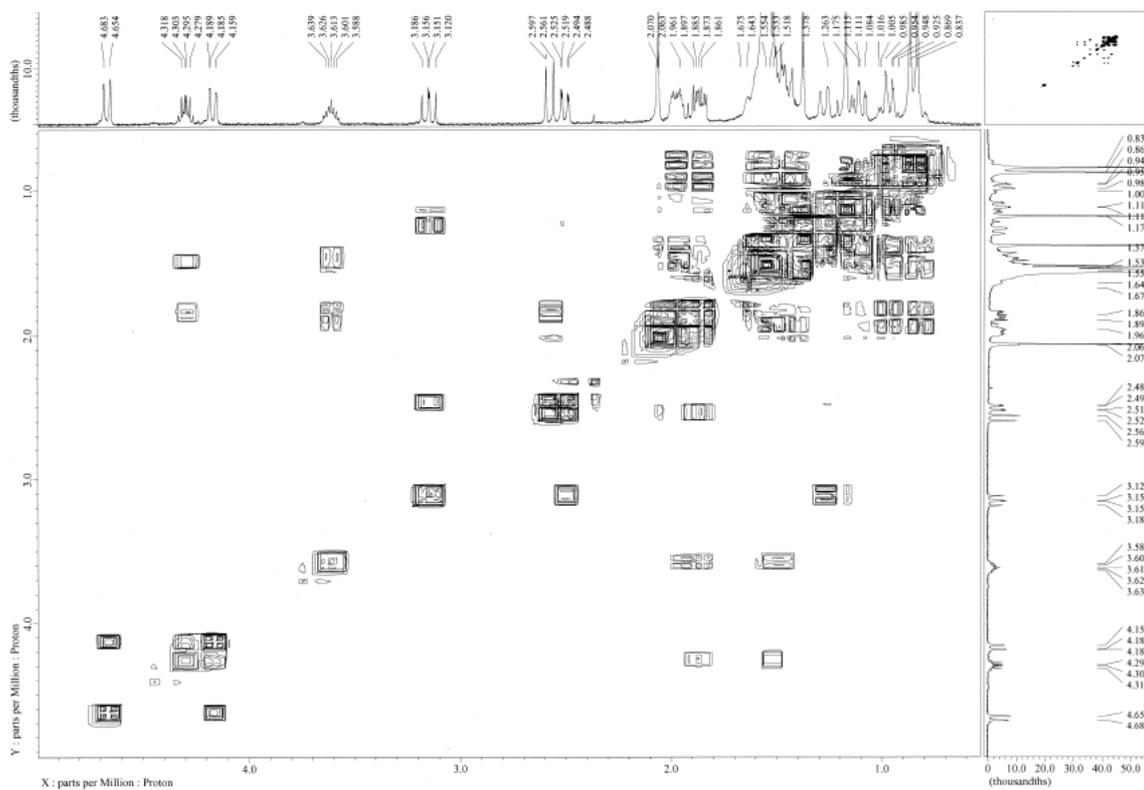
S36. DEPT spectrum (100 MHz) of compound **5** in  $\text{CDCl}_3$ .



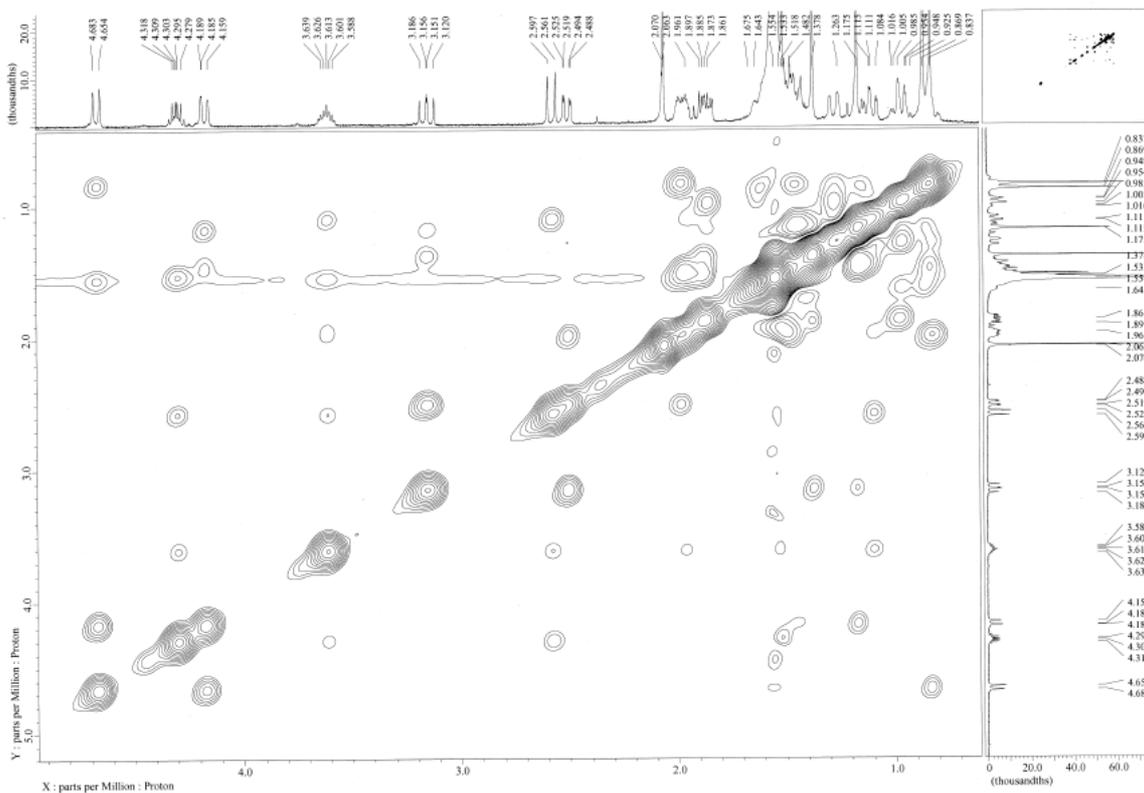
S37. HSQC spectrum of compound **5** in CDCl<sub>3</sub>.



S38. HMBC spectrum of compound **5** in CDCl<sub>3</sub>.



S39.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **5** in  $\text{CDCl}_3$ .



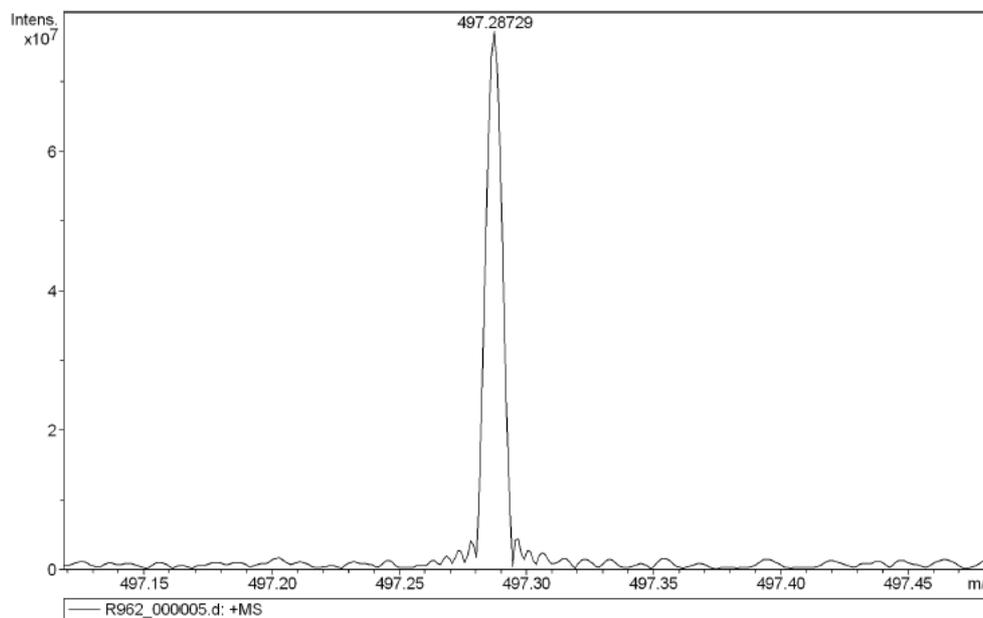
S40. NOESY spectrum of compound **5** in  $\text{CDCl}_3$

## Mass Spectrum SmartFormula Report

### Analysis Info

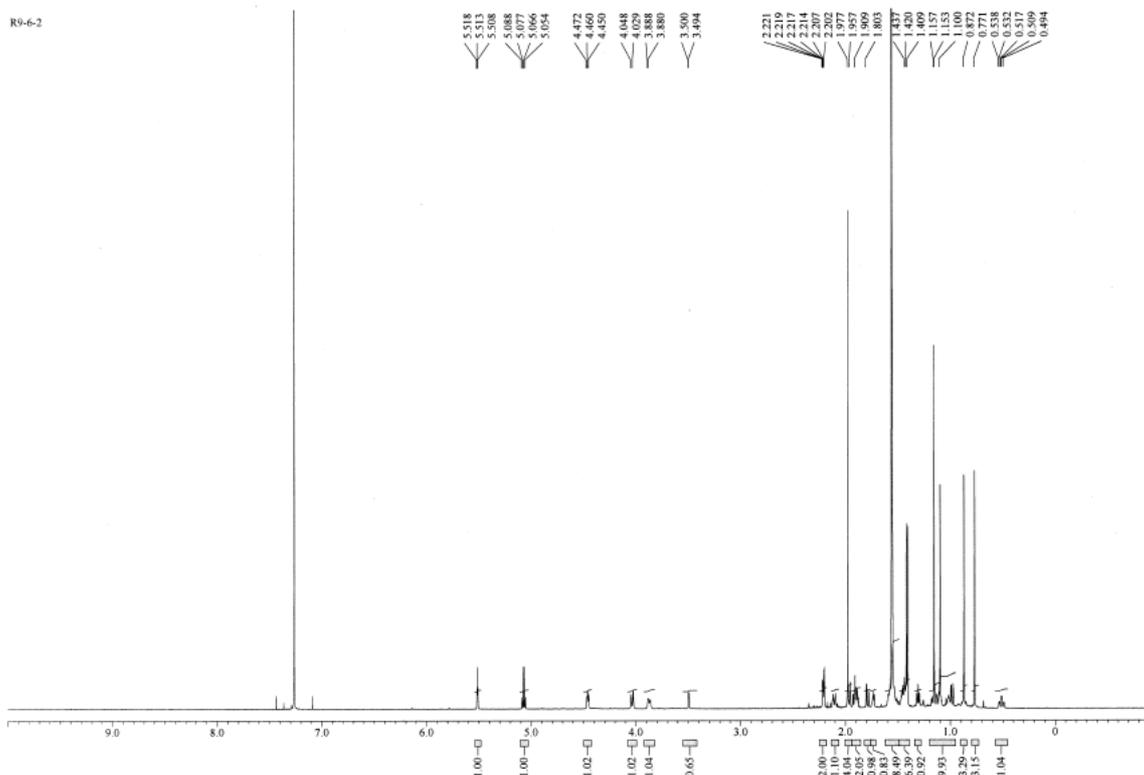
Analysis Name: D:\Data\2\R962\_000005.d  
 Method: broadband first signal  
 Sample Name: R-9-6-2  
 Comment: ESI Positive

1/7/2020 3:35:14 PM  
 Operator: YU HSIAO-CHING  
 Instrument: BRUKER FT-MS solarix

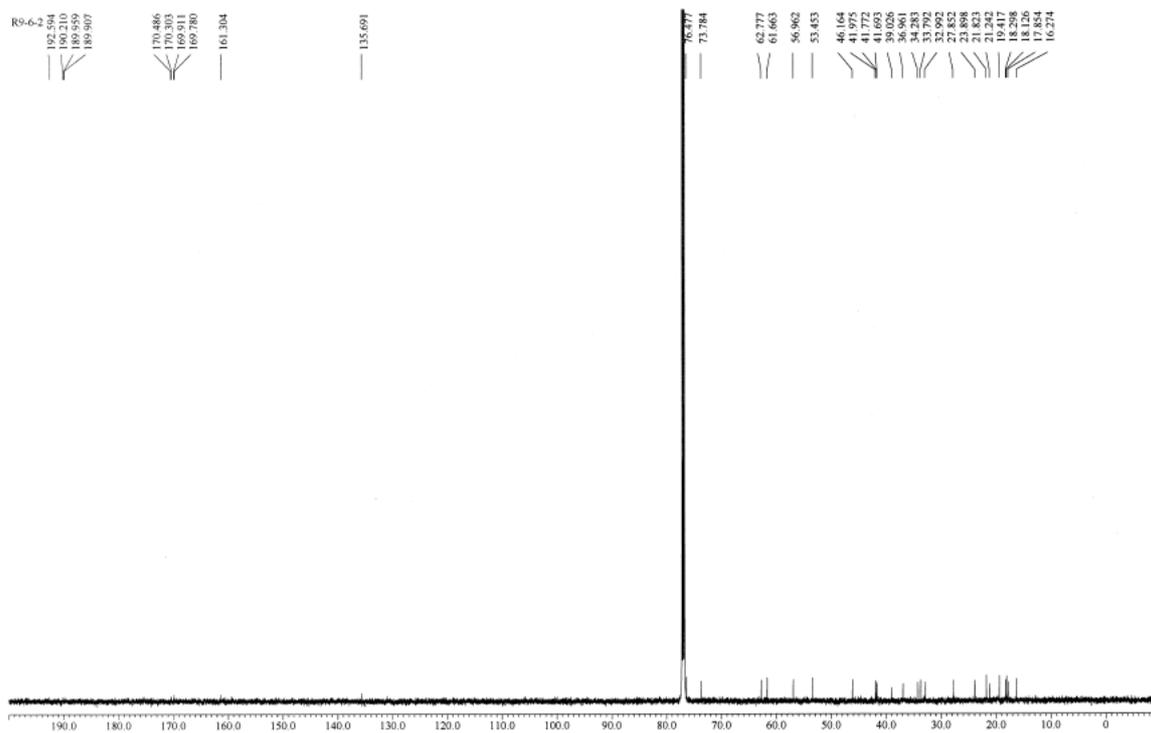


Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e <sup>-</sup> Conf	N-Rule
497.28729	1	C 28 H 42 Na O 6	100.00	497.28736	0.07	0.13	9.6	7.5	even	ok

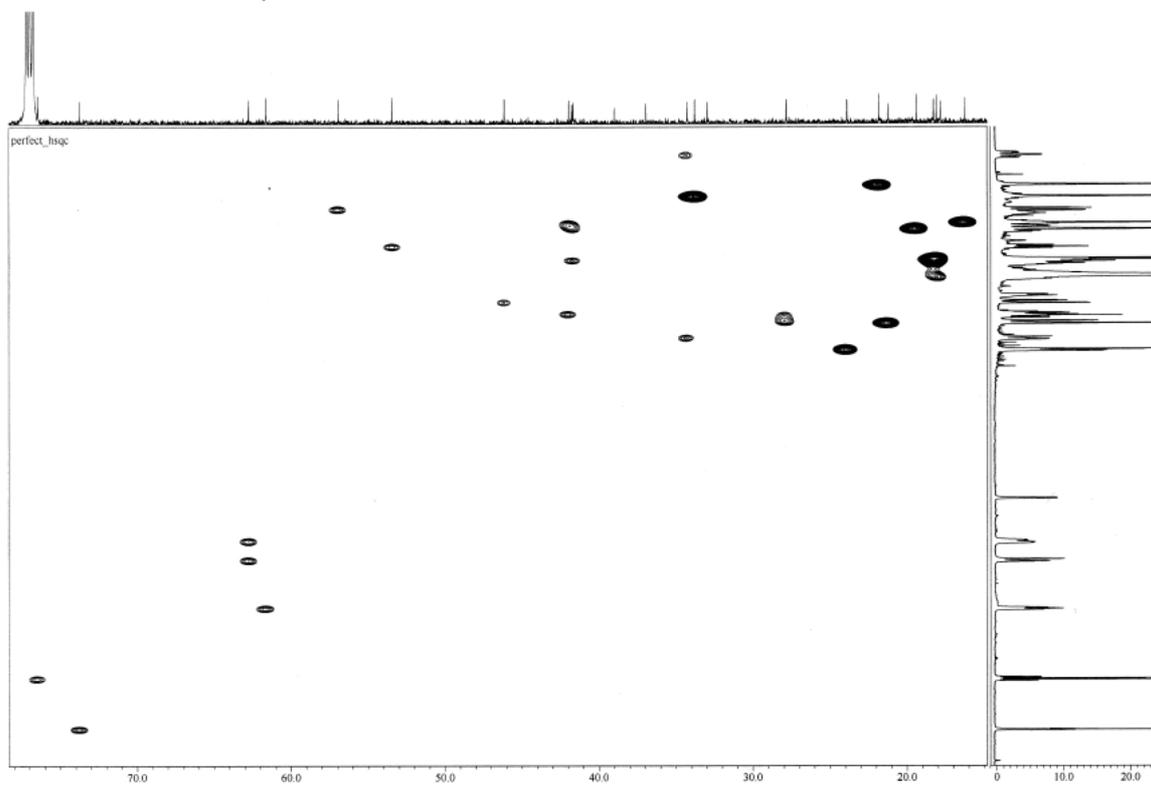
### S41. HRESIMS spectrum of compound 6.



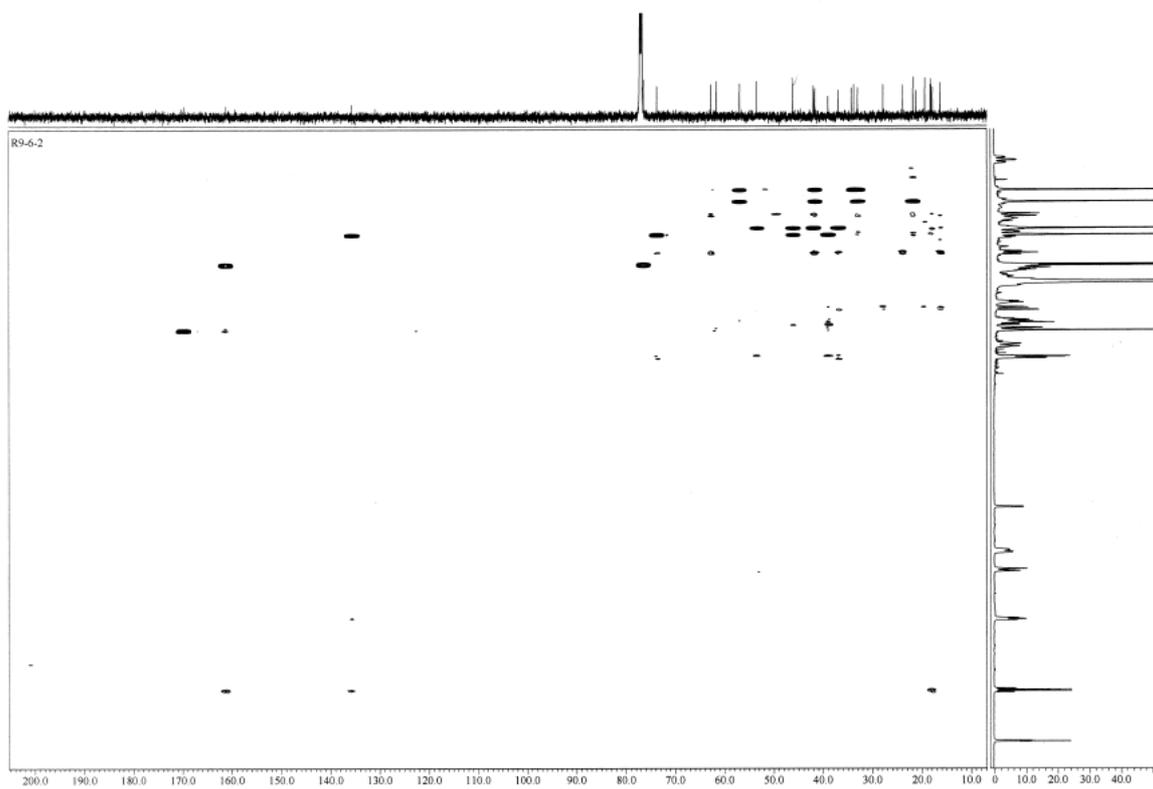
S42. <sup>1</sup>H NMR spectrum (600 MHz) of compound 6 in CDCl<sub>3</sub>.



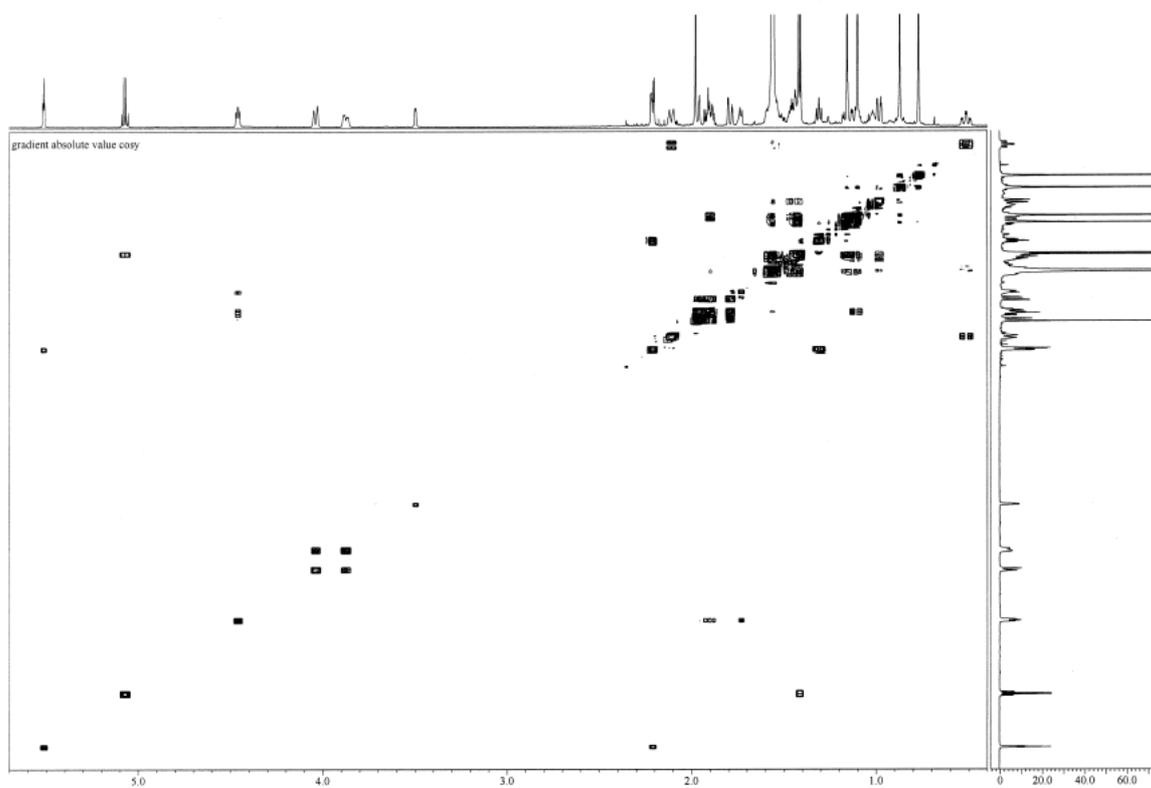
S43.  $^{13}\text{C}$  NMR spectrum (150 MHz) of compound **6** in  $\text{CDCl}_3$ .



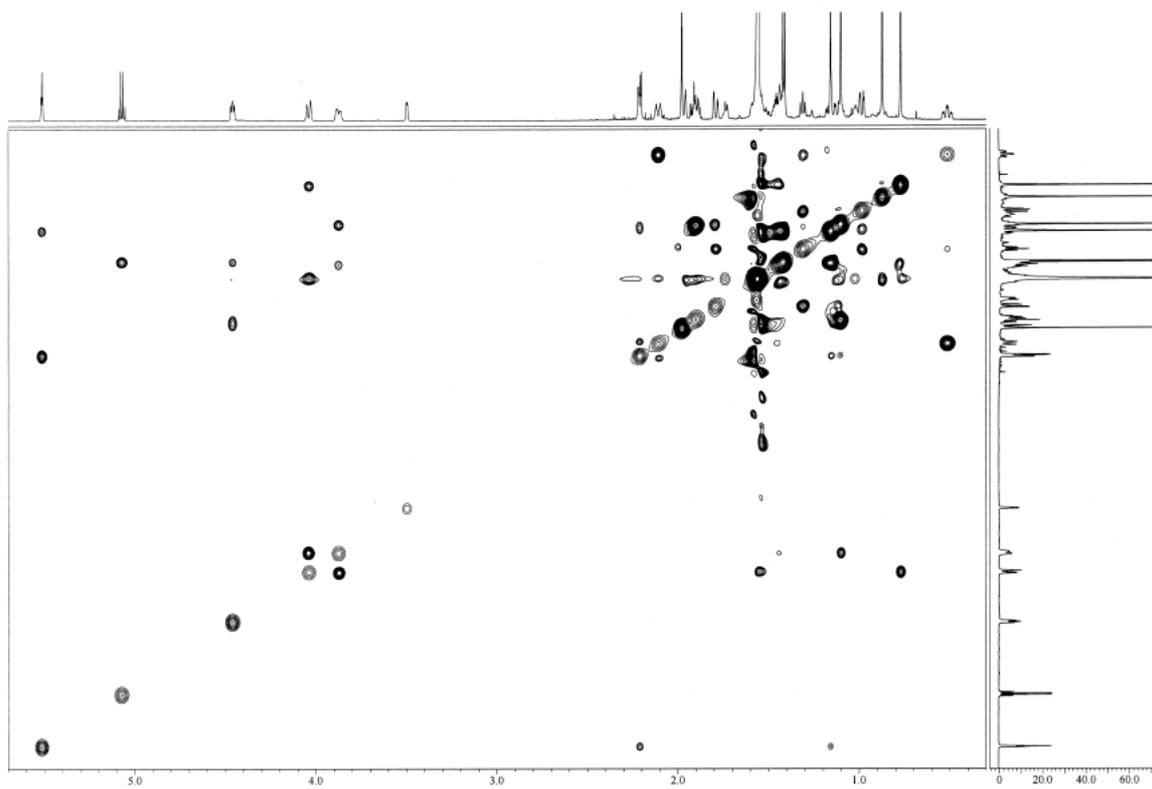
S44. HSQC spectrum of compound **6** in  $\text{CDCl}_3$ .



S45. HMBC spectrum of compound **6** in  $\text{CDCl}_3$ .



S46.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **6** in  $\text{CDCl}_3$ .



S47. NOESY spectrum of compound 6 in CDCl<sub>3</sub>