

## Supporting Information

# Briaviolides K–N, New Briarane-type Diterpenoids from Cultured Octocoral *Briareum violaceum*

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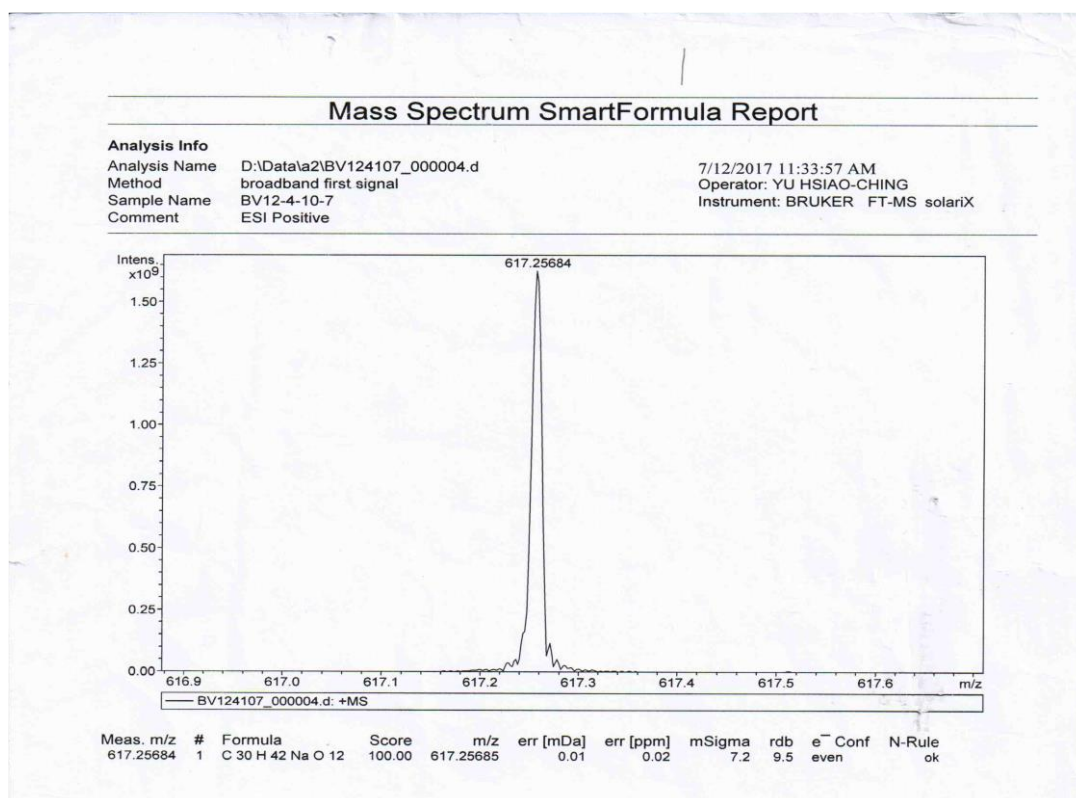
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No	Content	page
S1.	HR-ESI-MS spectrum of compound <b>1</b> .	3
S2.	IR spectrum of compound <b>1</b> .	3
S3.	<sup>1</sup> H NMR spectrum (400 MHz) of compound <b>1</b> in CDCl <sub>3</sub> .	4
S4.	<sup>13</sup> C NMR spectrum (100 MHz) of compound <b>1</b> in CDCl <sub>3</sub> .	4
S5.	DEPT spectrum of compound <b>1</b> in CDCl <sub>3</sub> .	5
S6.	gHSQC spectrum of compound <b>1</b> in CDCl <sub>3</sub> .	5
S7.	<sup>1</sup> H– <sup>1</sup> H gCOSY spectrum of compound <b>1</b> in CDCl <sub>3</sub> .	6
S8.	gHMBC spectrum of compound <b>1</b> in CDCl <sub>3</sub> .	6
S9.	NOESY spectrum of compound <b>1</b> in CDCl <sub>3</sub> .	7
S10.	HR-ESI-MS spectrum of compound <b>2</b> .	7
S11.	IR spectrum of compound <b>2</b> .	8
S12.	<sup>1</sup> H NMR spectrum (400 MHz) of compound <b>2</b> in CDCl <sub>3</sub> .	8
S13.	<sup>13</sup> C NMR spectrum (100 MHz) of compound <b>2</b> in CDCl <sub>3</sub> .	9
S14.	DEPT spectrum of compound <b>2</b> in CDCl <sub>3</sub> .	9
S15.	gHSQC spectrum of compound <b>2</b> in CDCl <sub>3</sub> .	10
S16.	<sup>1</sup> H– <sup>1</sup> H gCOSY spectrum of compound <b>2</b> in CDCl <sub>3</sub> .	10
S17.	gHMBC spectrum of compound <b>2</b> in CDCl <sub>3</sub> .	11
S18.	NOESY spectrum of compound <b>2</b> in CDCl <sub>3</sub> .	11
S19.	HR-ESI-MS spectrum of compound <b>3</b> .	12
S20.	IR spectrum of compound <b>3</b> .	12
S21.	<sup>1</sup> H NMR spectrum (500 MHz) of compound <b>3</b> in CDCl <sub>3</sub> .	13
S22.	<sup>13</sup> C NMR spectrum (125 MHz) of compound <b>3</b> in CDCl <sub>3</sub> .	13
S23.	DEPT spectrum of compound <b>3</b> in CDCl <sub>3</sub> .	14
S24.	gHSQC spectrum of compound <b>3</b> in CDCl <sub>3</sub> .	14

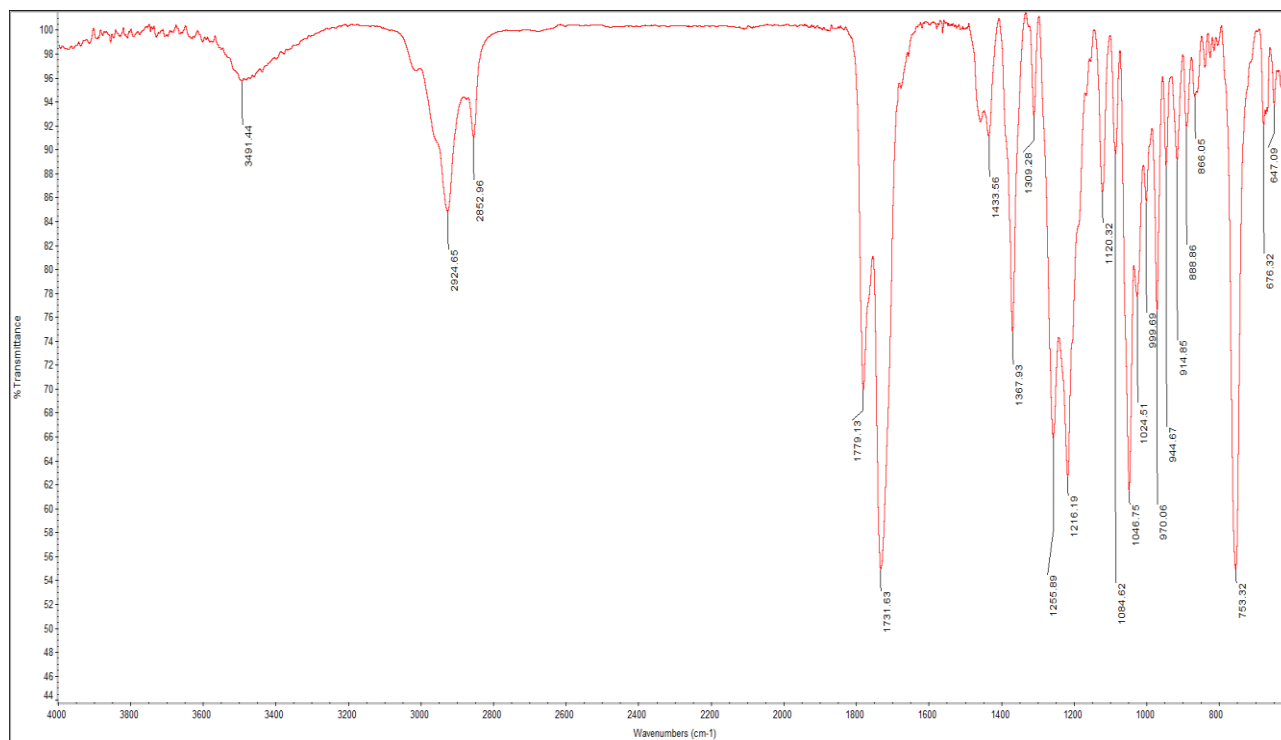
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S25.	$^1\text{H}$ - $^1\text{H}$ gCOSY spectrum of compound <b>3</b> in $\text{CDCl}_3$ .	15
S26.	gHMBC spectrum of compound <b>3</b> in $\text{CDCl}_3$ .	15
S27.	NOESY spectrum of compound <b>3</b> in $\text{CDCl}_3$ .	16
S28.	HR-ESI-MS spectrum of compound <b>4</b> .	16
S29.	IR spectrum of compound <b>4</b> .	17
S30.	$^1\text{H}$ NMR spectrum (400 MHz) of compound <b>4</b> in $\text{CDCl}_3$ .	17
S31.	$^{13}\text{C}$ NMR spectrum (100 MHz) of compound <b>4</b> in $\text{CDCl}_3$ .	18
S32.	DEPT spectrum of compound <b>4</b> in $\text{CDCl}_3$ .	18
S33.	gHSQC spectrum of compound <b>4</b> in $\text{CDCl}_3$ .	19
S34.	$^1\text{H}$ - $^1\text{H}$ gCOSY spectrum of compound <b>4</b> in $\text{CDCl}_3$ .	19
S35.	gHMBC spectrum of compound <b>4</b> in $\text{CDCl}_3$ .	20
S36.	NOESY spectrum of compound <b>4</b> in $\text{CDCl}_3$ .	20

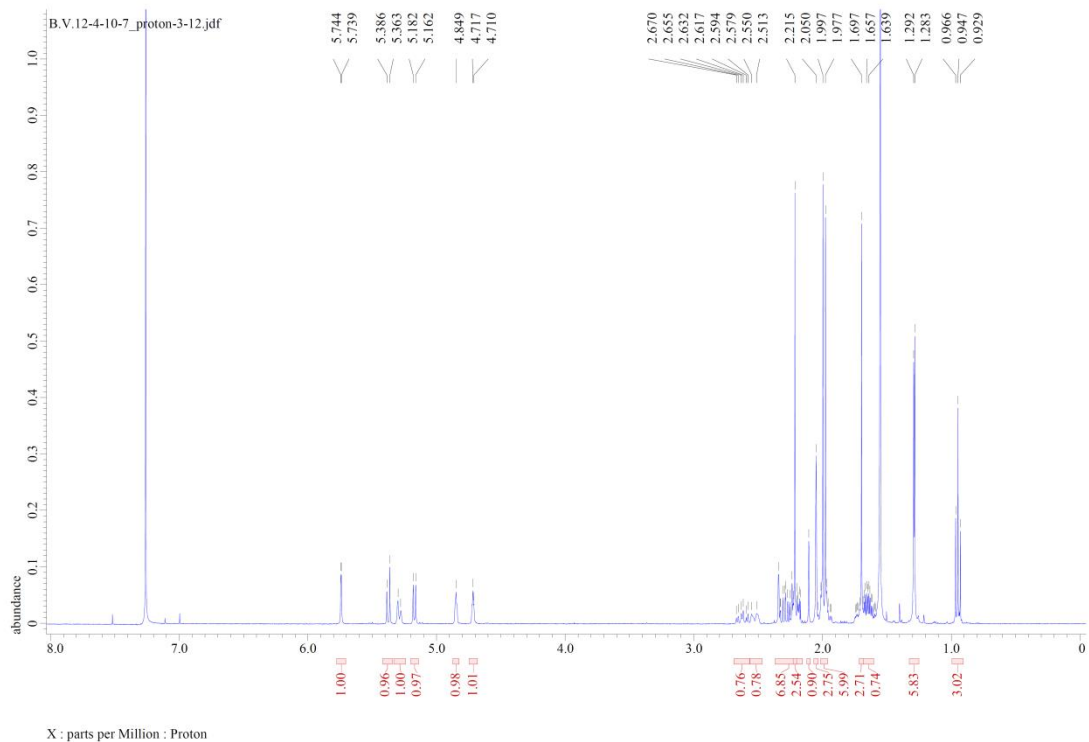
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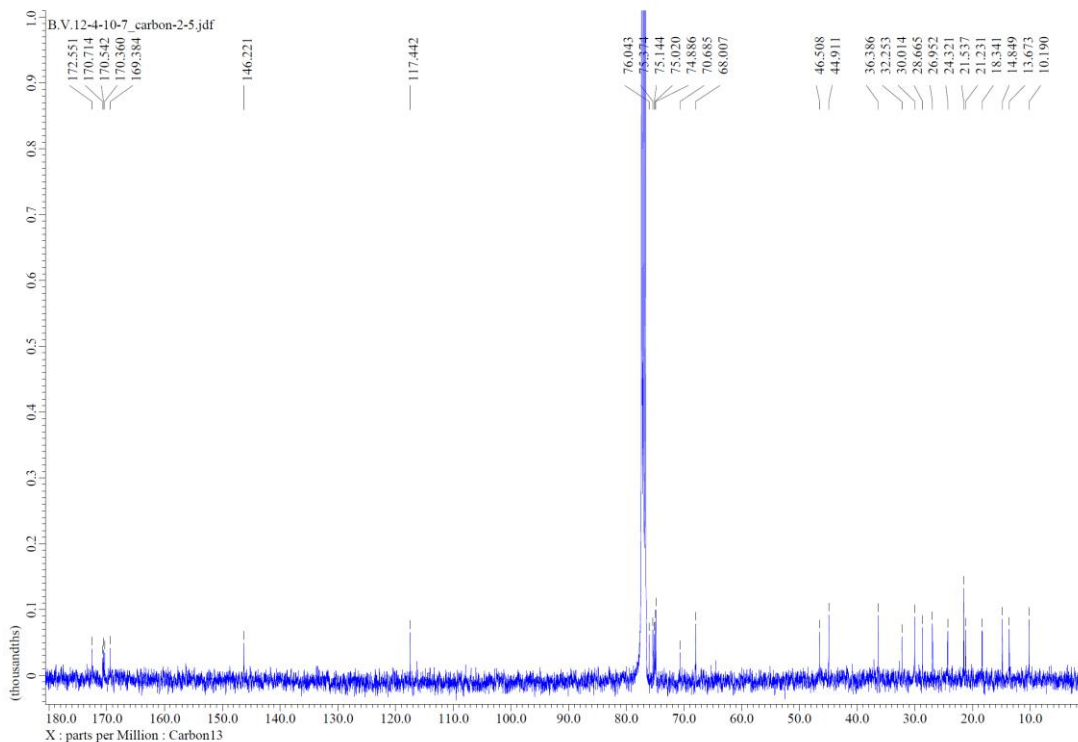
S1. HR-ESI-MS spectrum of compound **1**.



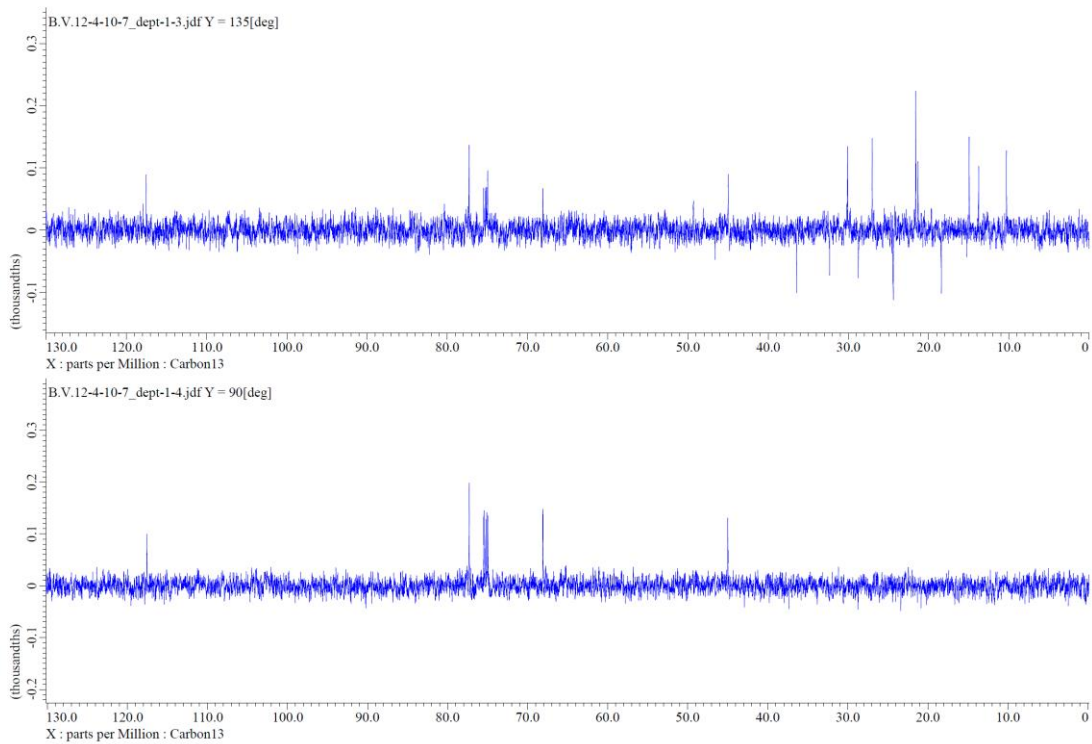
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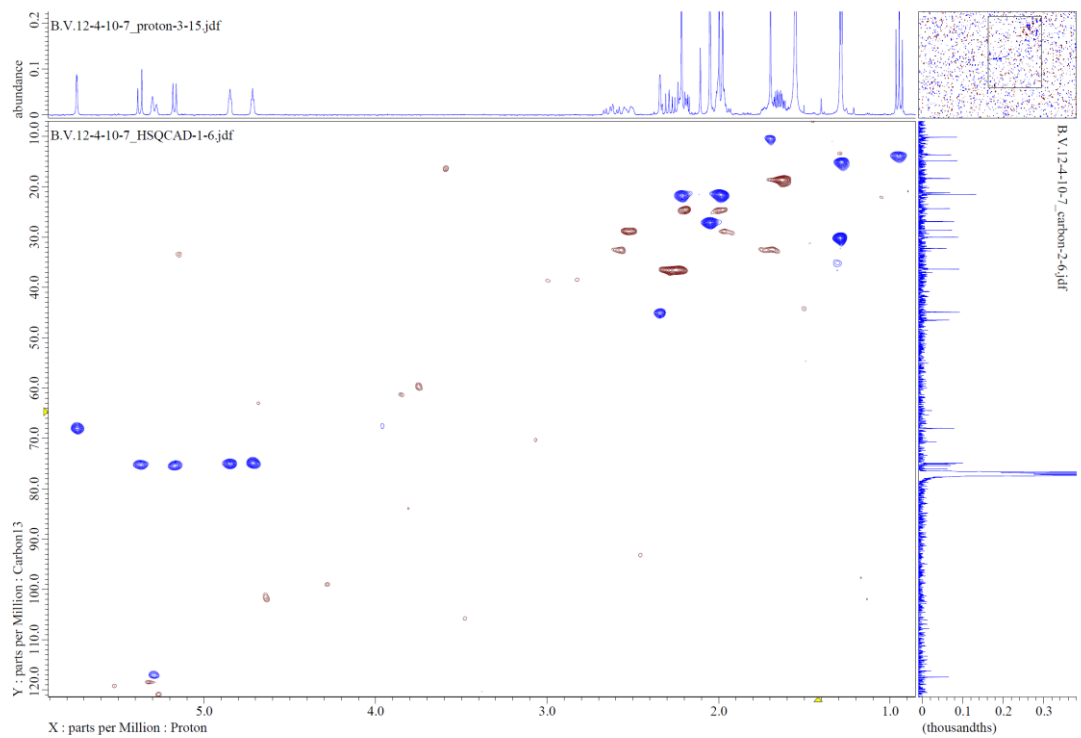
S3.  $^1\text{H}$  NMR spectrum (400 MHz) of compound **1** in  $\text{CDCl}_3$



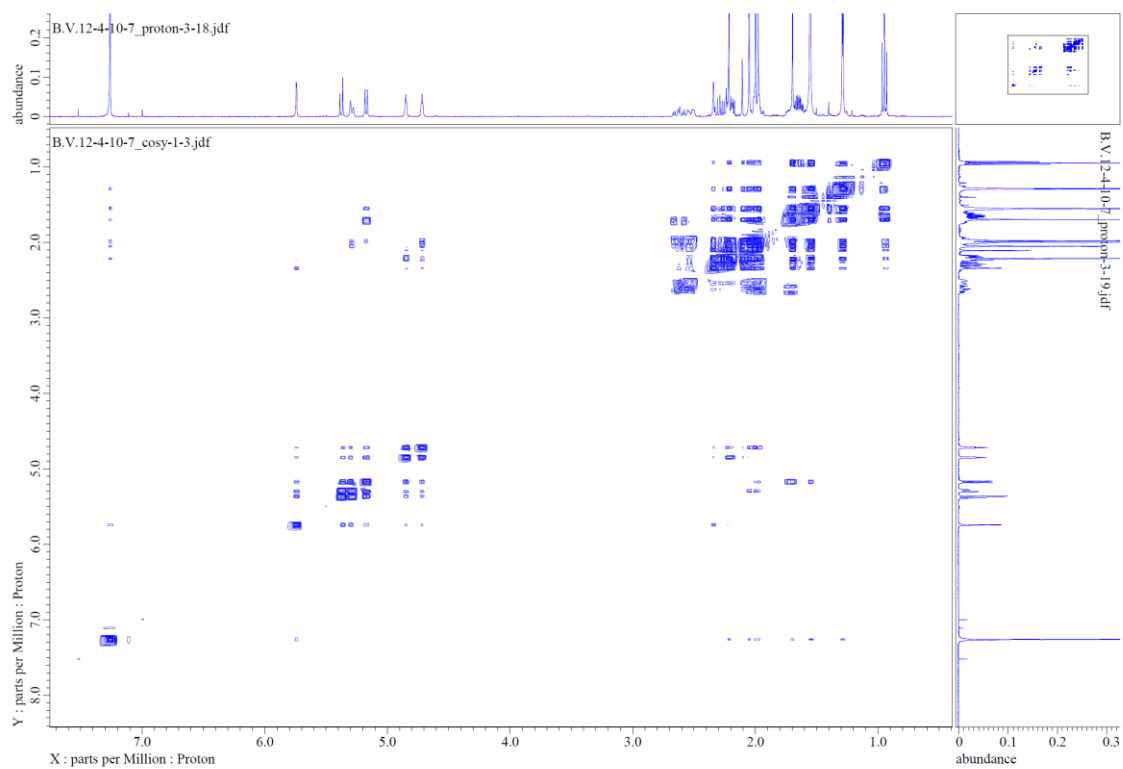
S4.  $^{13}\text{C}$  NMR spectrum (100 MHz) of compound **1** in  $\text{CDCl}_3$ .



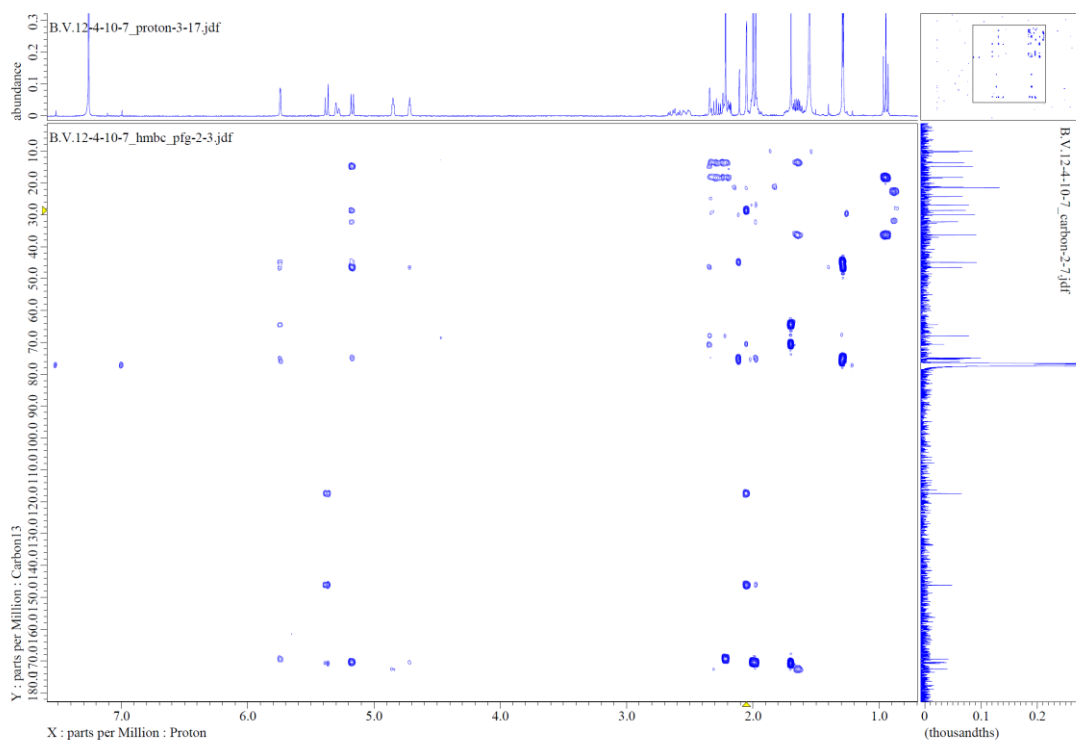
S5. DEPT spectrum of compound **1** in CDCl<sub>3</sub>.



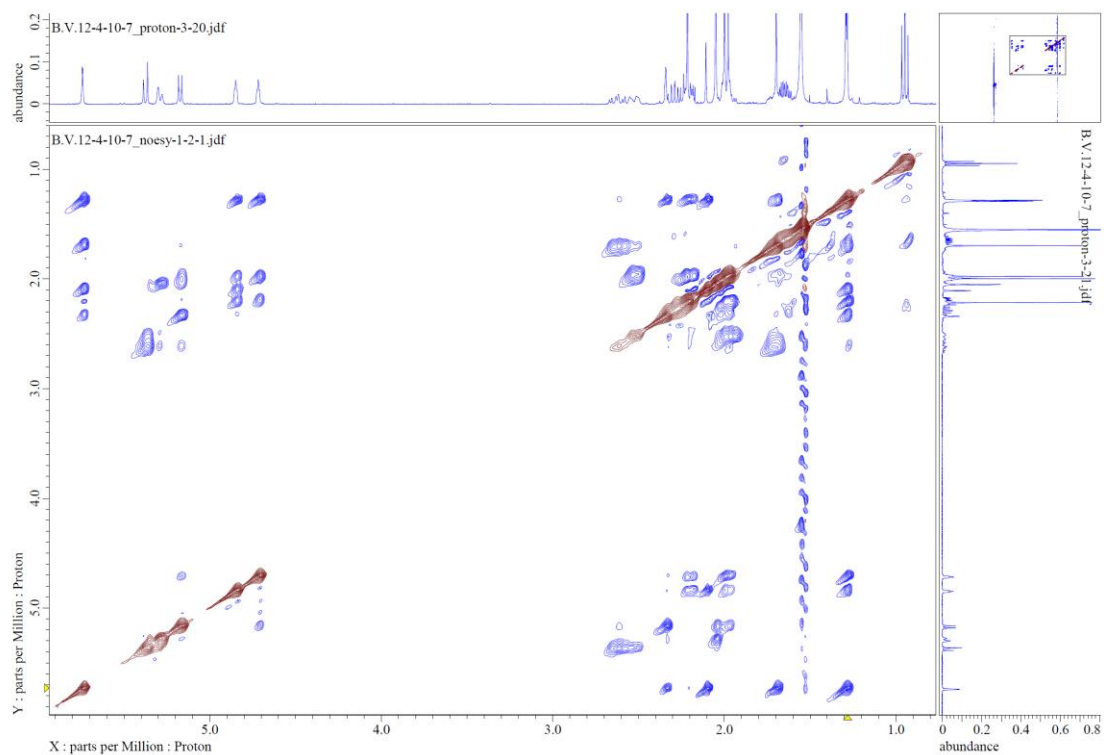
S6. gHSQC spectrum of compound **1** in CDCl<sub>3</sub>.



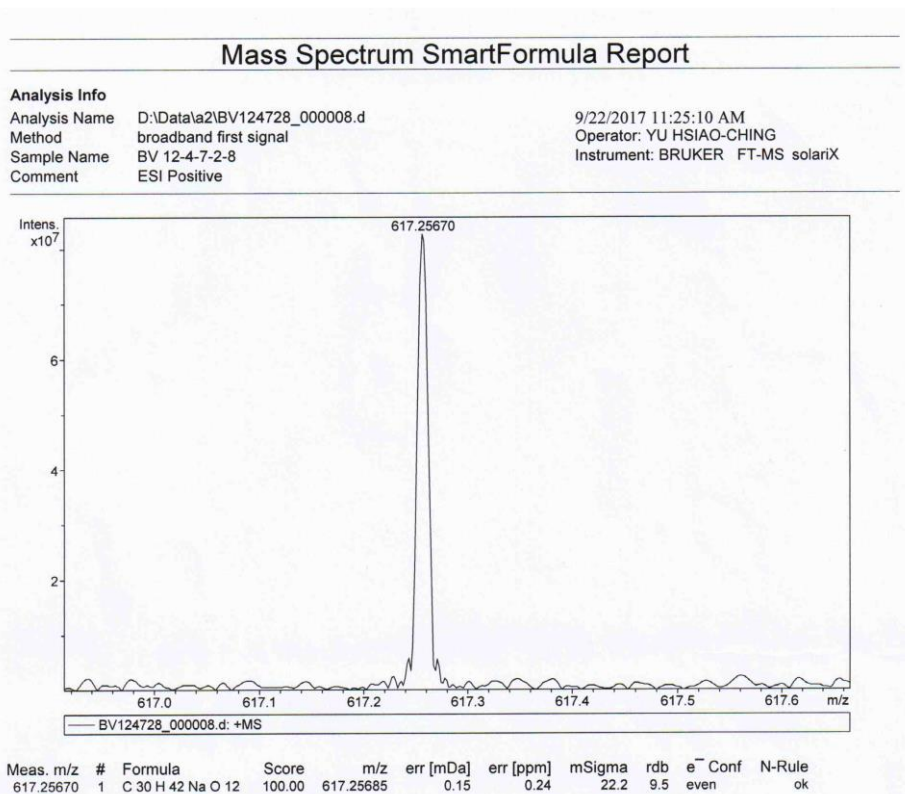
S7.  $^1\text{H}$ - $^1\text{H}$  gCOSY spectrum of compound **1** in  $\text{CDCl}_3$ .



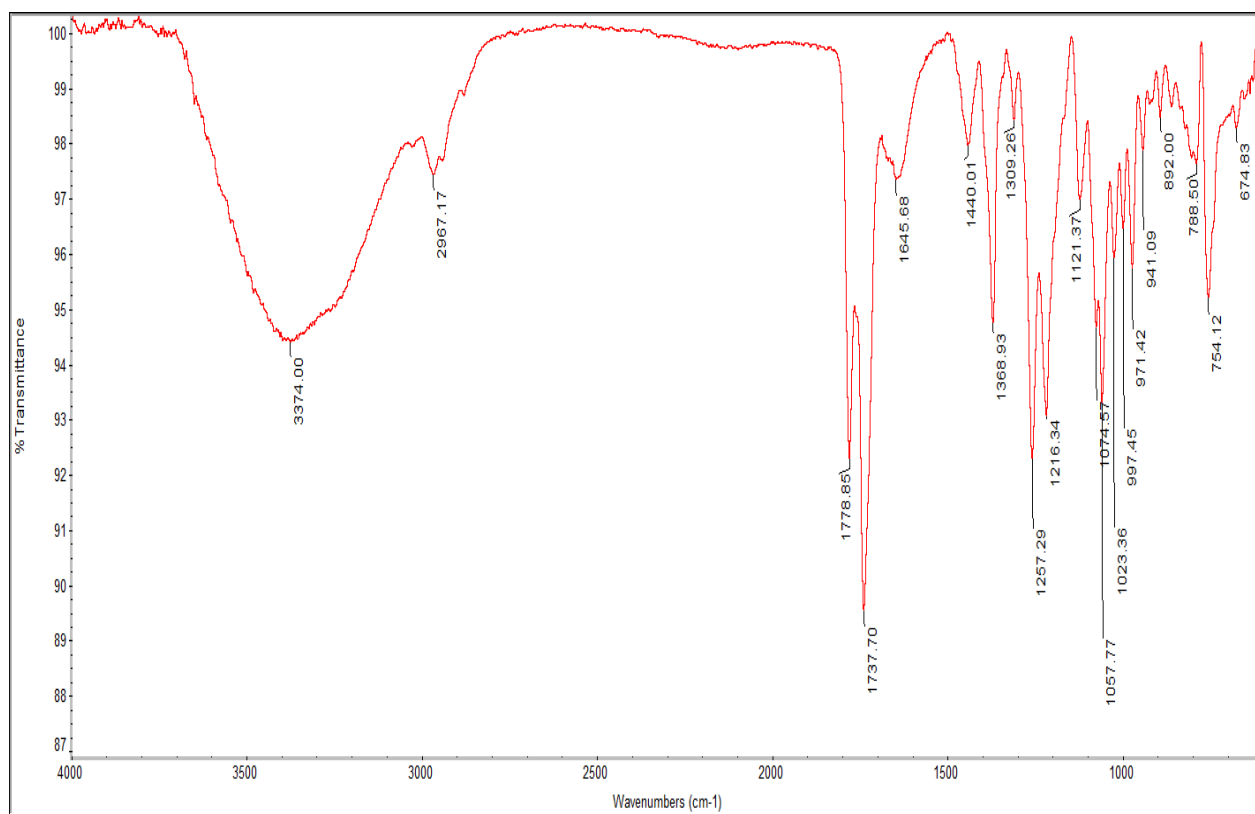
S8. gHMBC spectrum of compound **1** in  $\text{CDCl}_3$ .



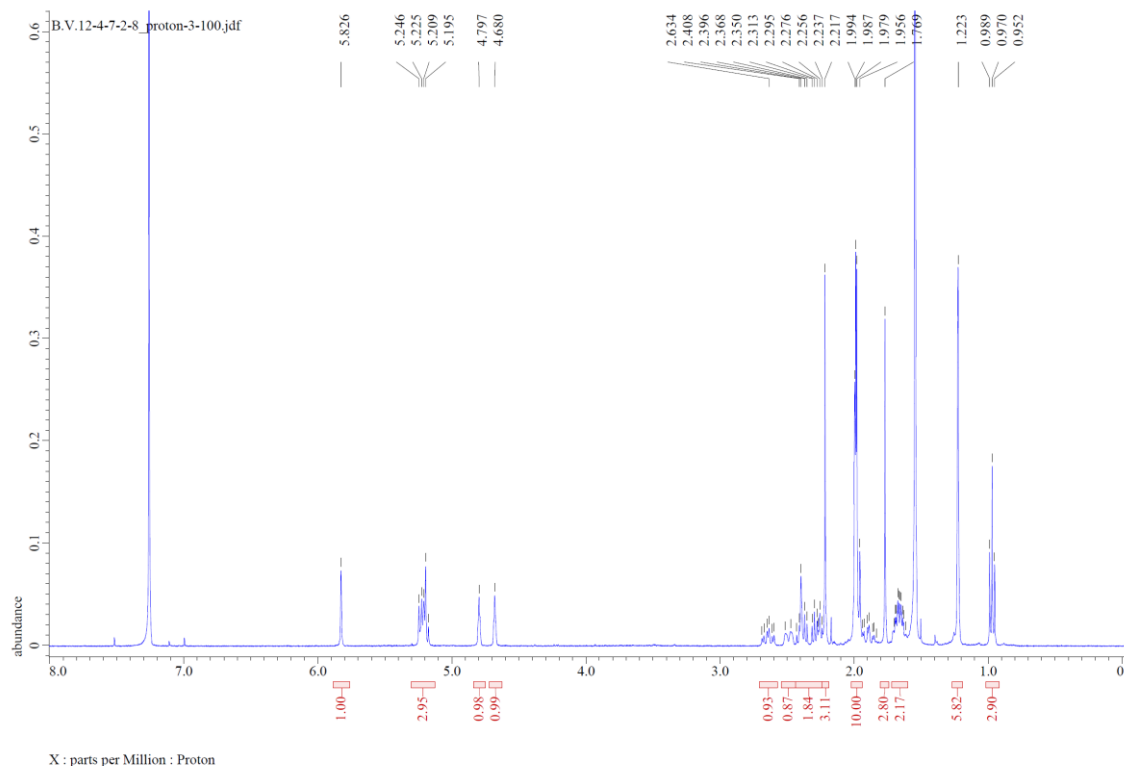
S9. NOESY spectrum of compound **1** in CDCl<sub>3</sub>.



S10. HR-ESI-MS spectrum of compound **2**.

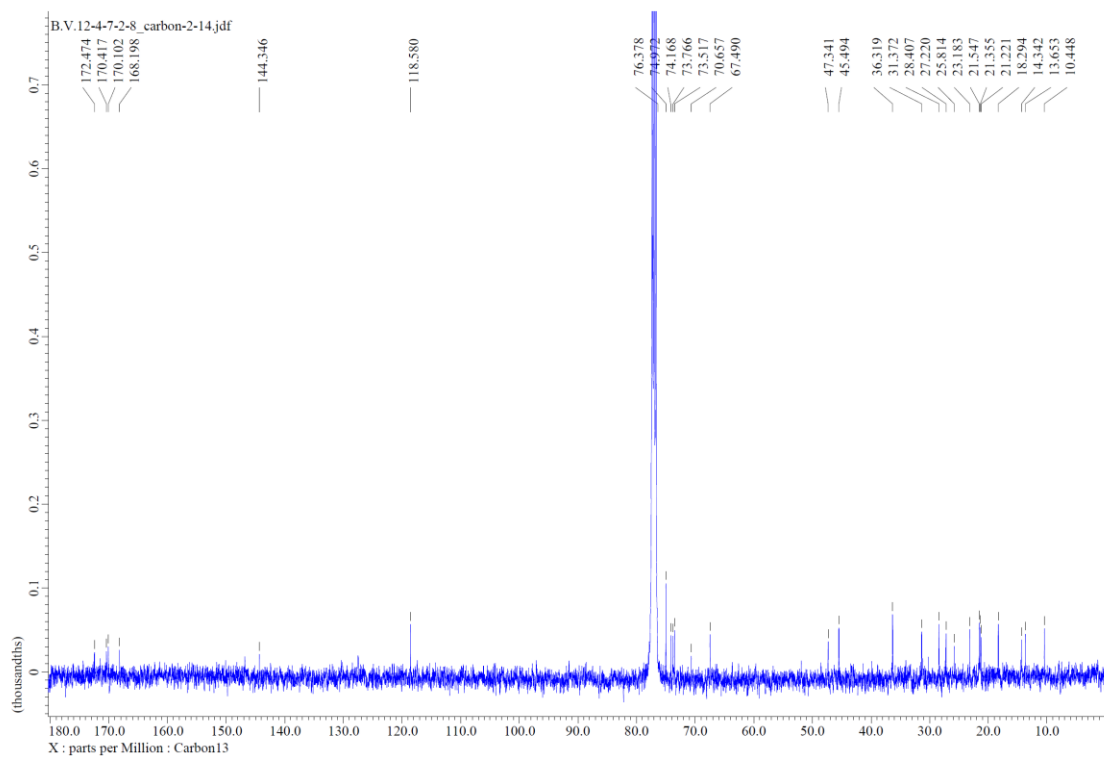


S11. IR spectrum of compound **2**.

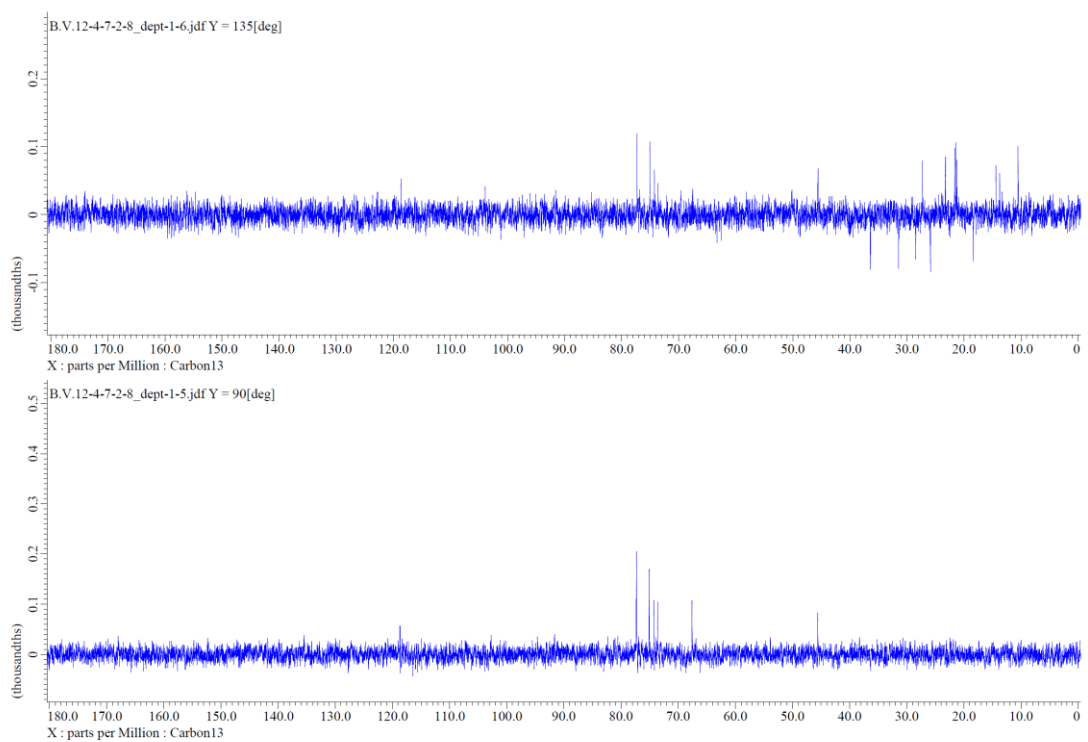


S12. <sup>1</sup>H NMR spectrum (400 MHz) of compound **2** in CDCl<sub>3</sub>.

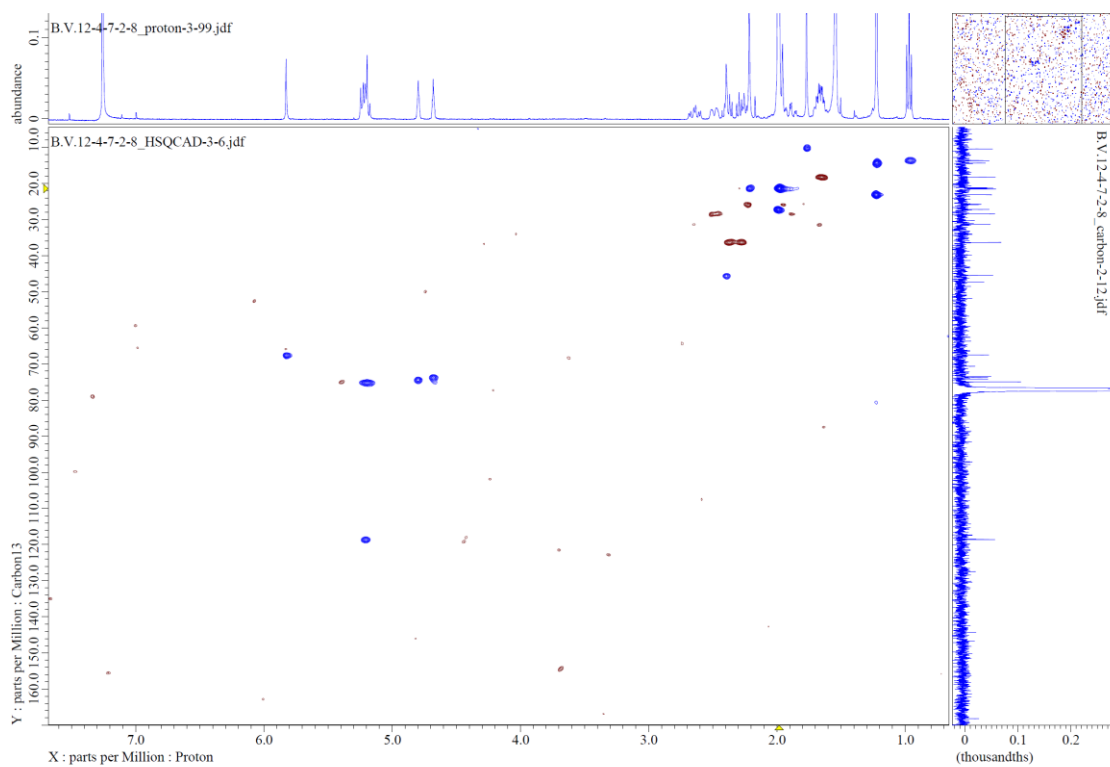




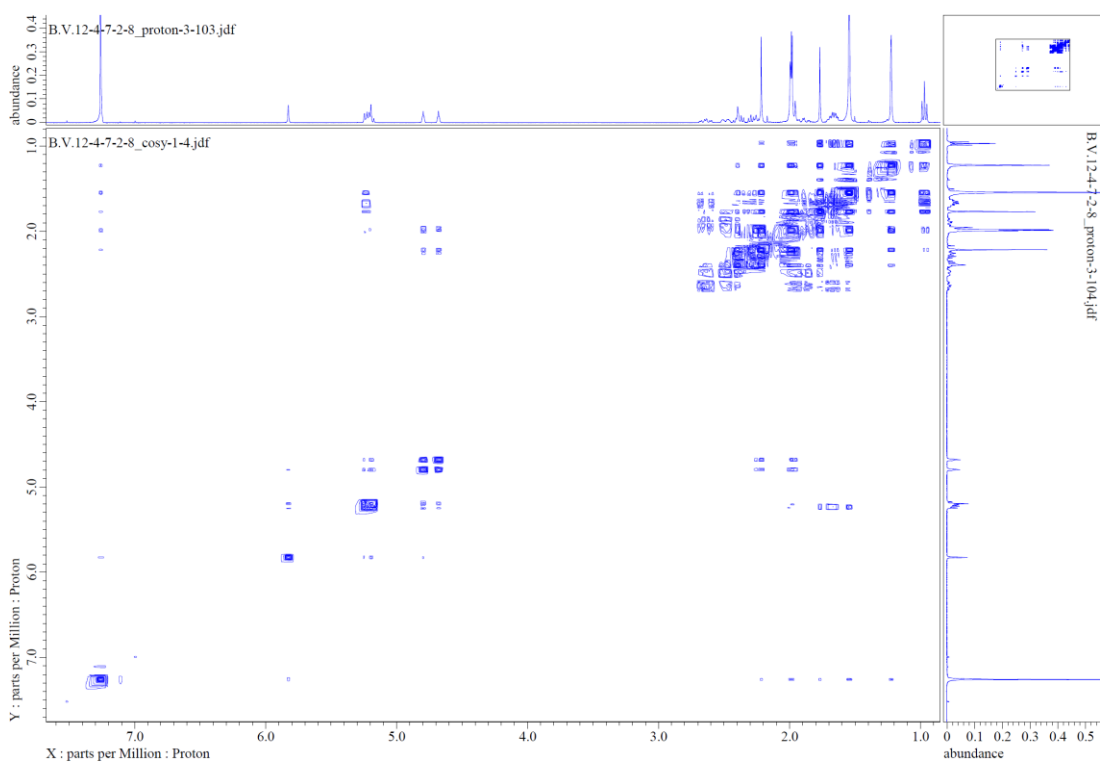
S13.  $^{13}\text{C}$  NMR spectrum (100 MHz) of compound **2** in  $\text{CDCl}_3$ .



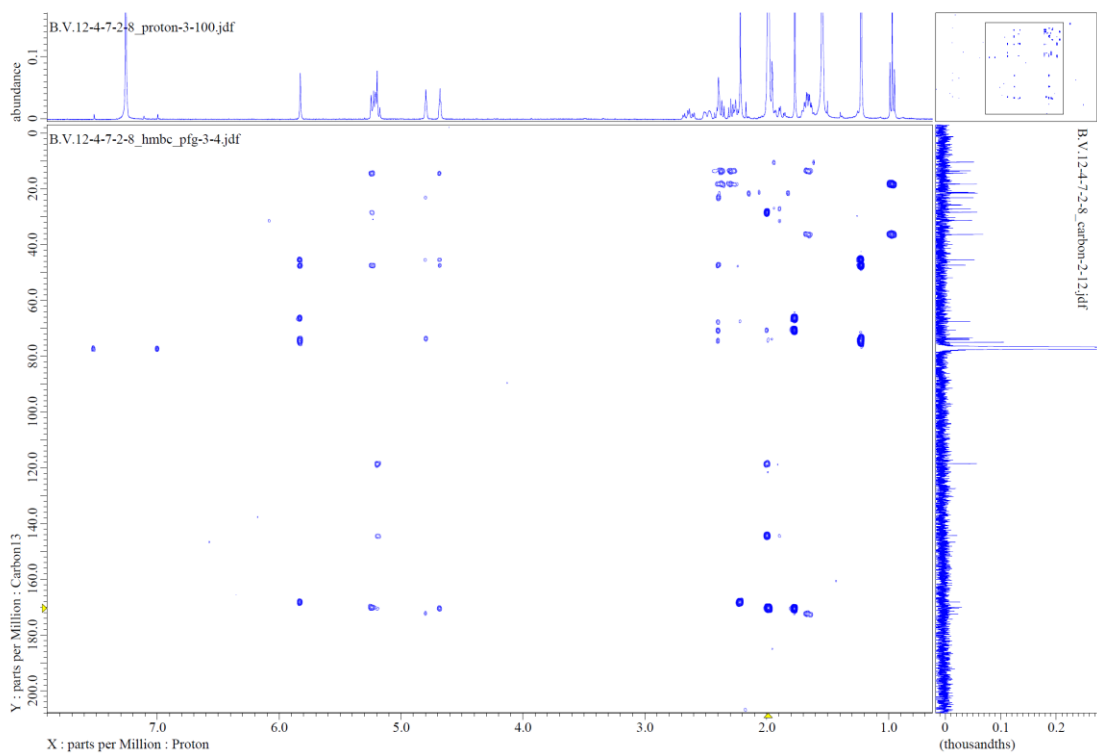
S14. DEPT spectrum of compound **2** in  $\text{CDCl}_3$ .



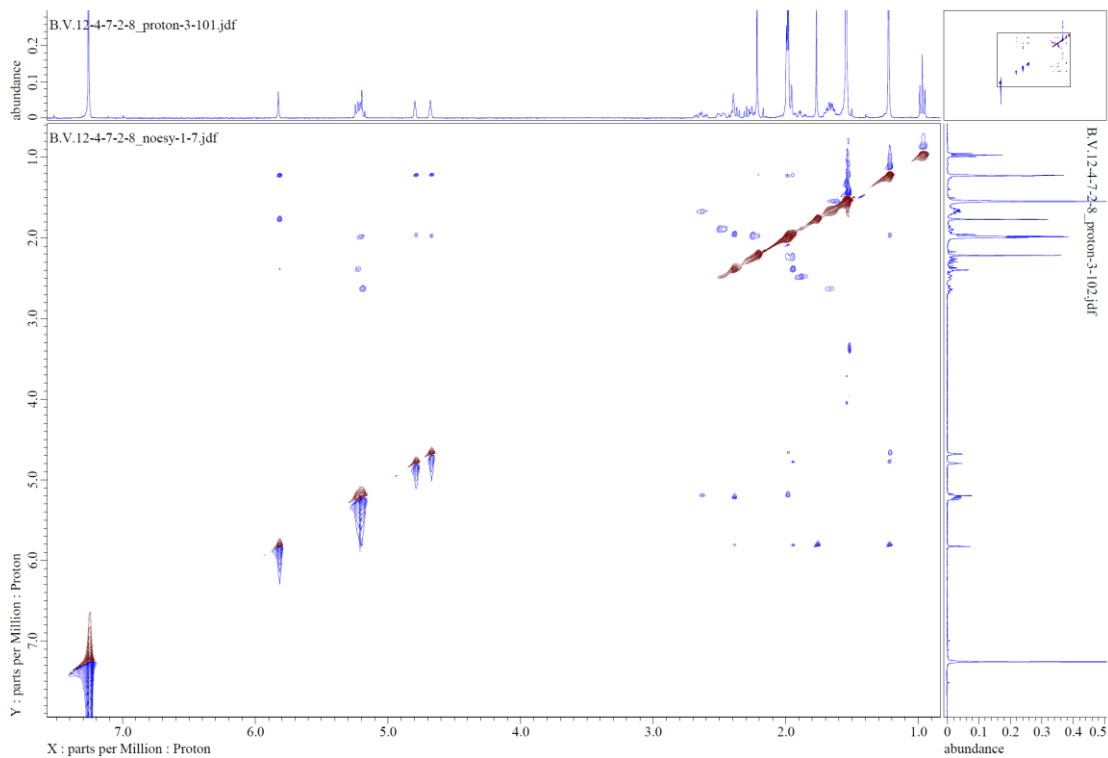
S15. gHSQC spectrum of compound **2** in CDCl<sub>3</sub>.



S16. <sup>1</sup>H-<sup>1</sup>H gCOSY spectrum of compound **2** in CDCl<sub>3</sub>.



S17. gHMBC spectrum of compound **2** in CDCl<sub>3</sub>.



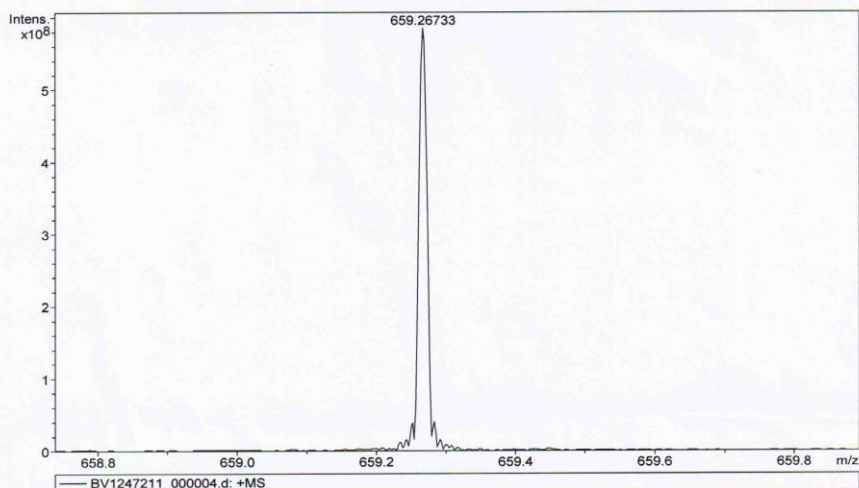
S18. NOESY spectrum of compound **2** in CDCl<sub>3</sub>.

## Mass Spectrum SmartFormula Report

### Analysis Info

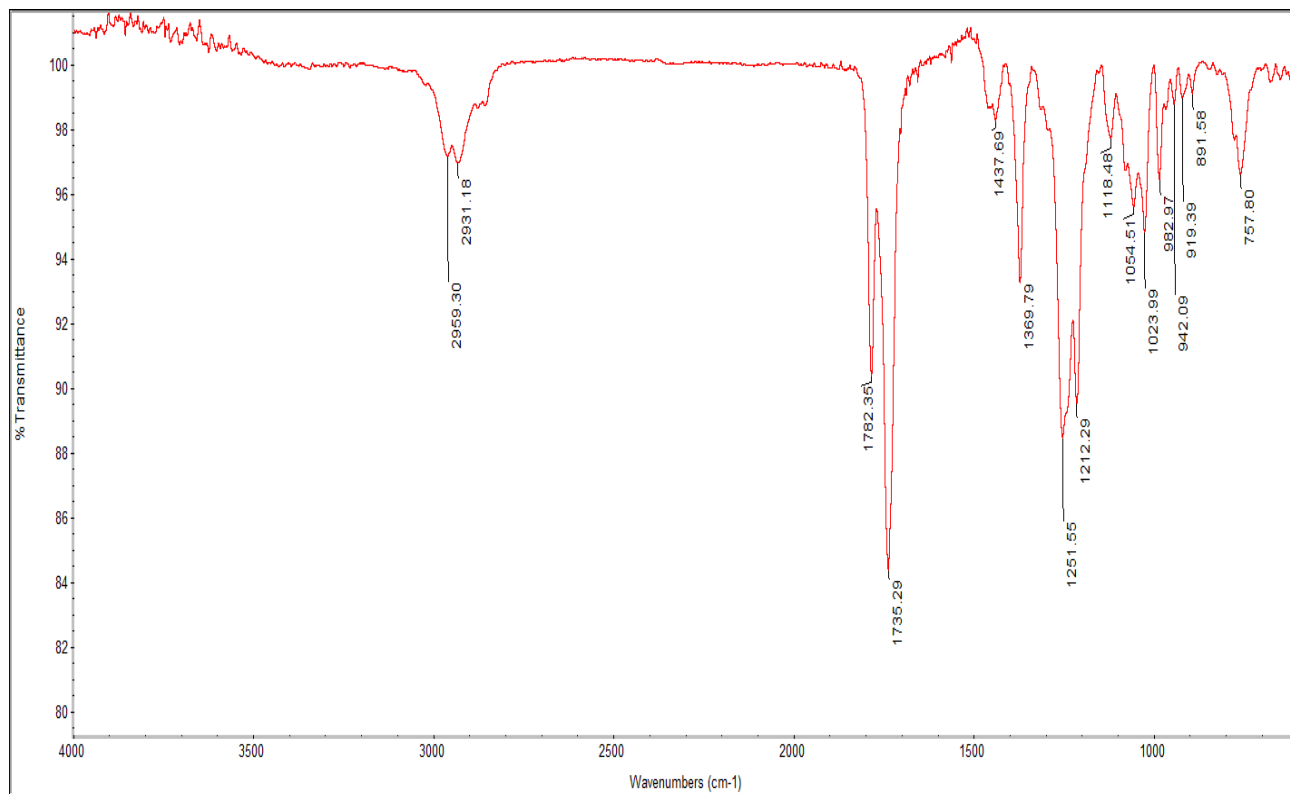
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Method broadband first signal  
Sample Name BV 12-4-7-2-11  
Comment ESI Positive

9/22/2017 11:10:01 AM  
Operator: YU HSIAO-CHING  
Instrument: BRUKER FT-MS solariX

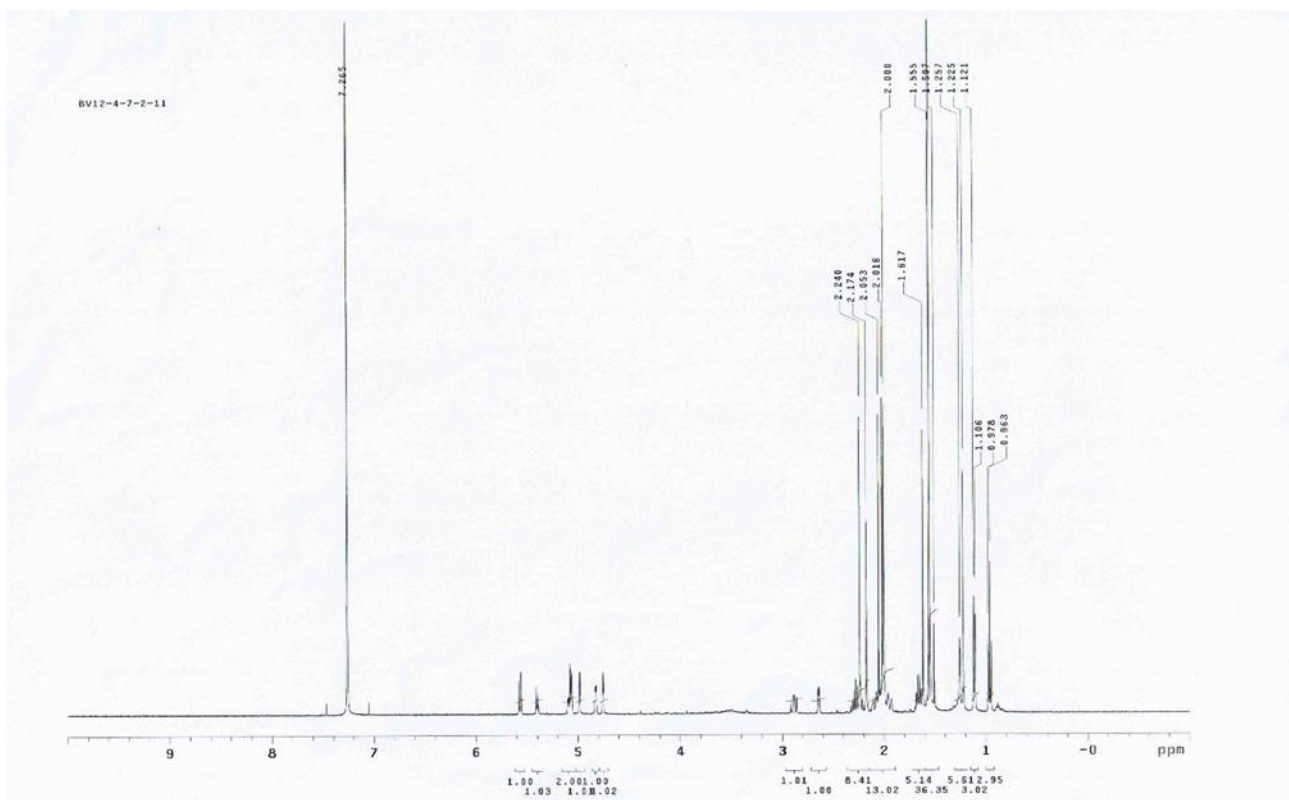


Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e <sup>-</sup> Conf	N-Rule
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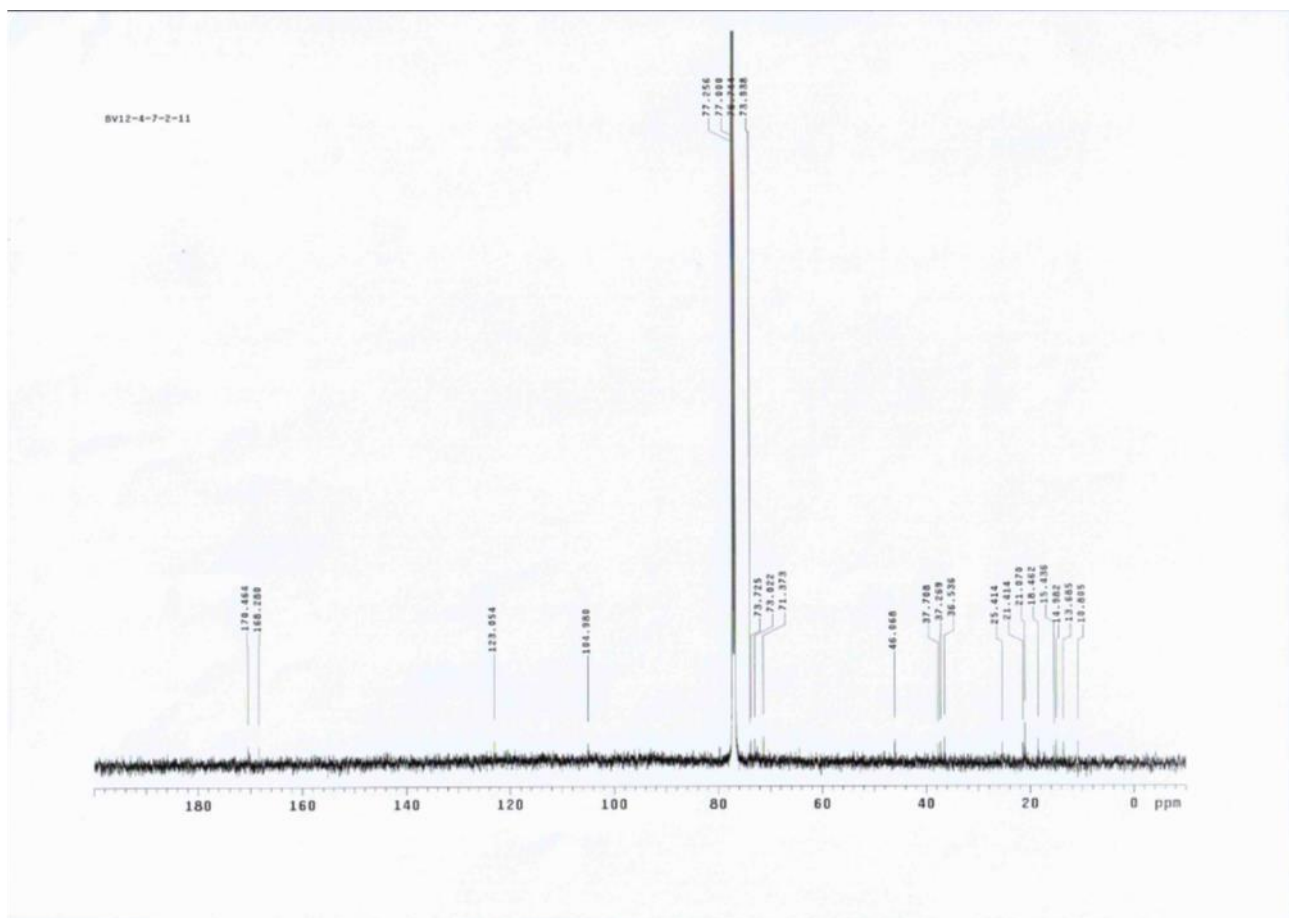
S19. HR-ESI-MS spectrum of compound 3.



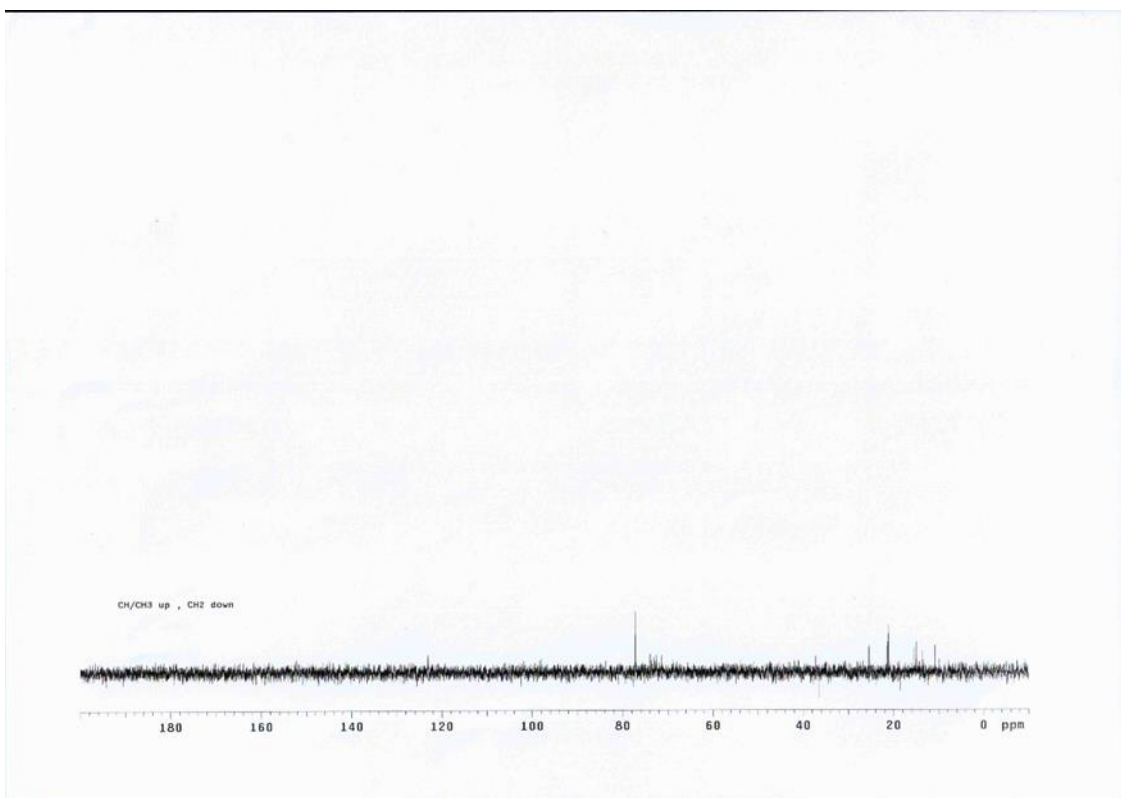
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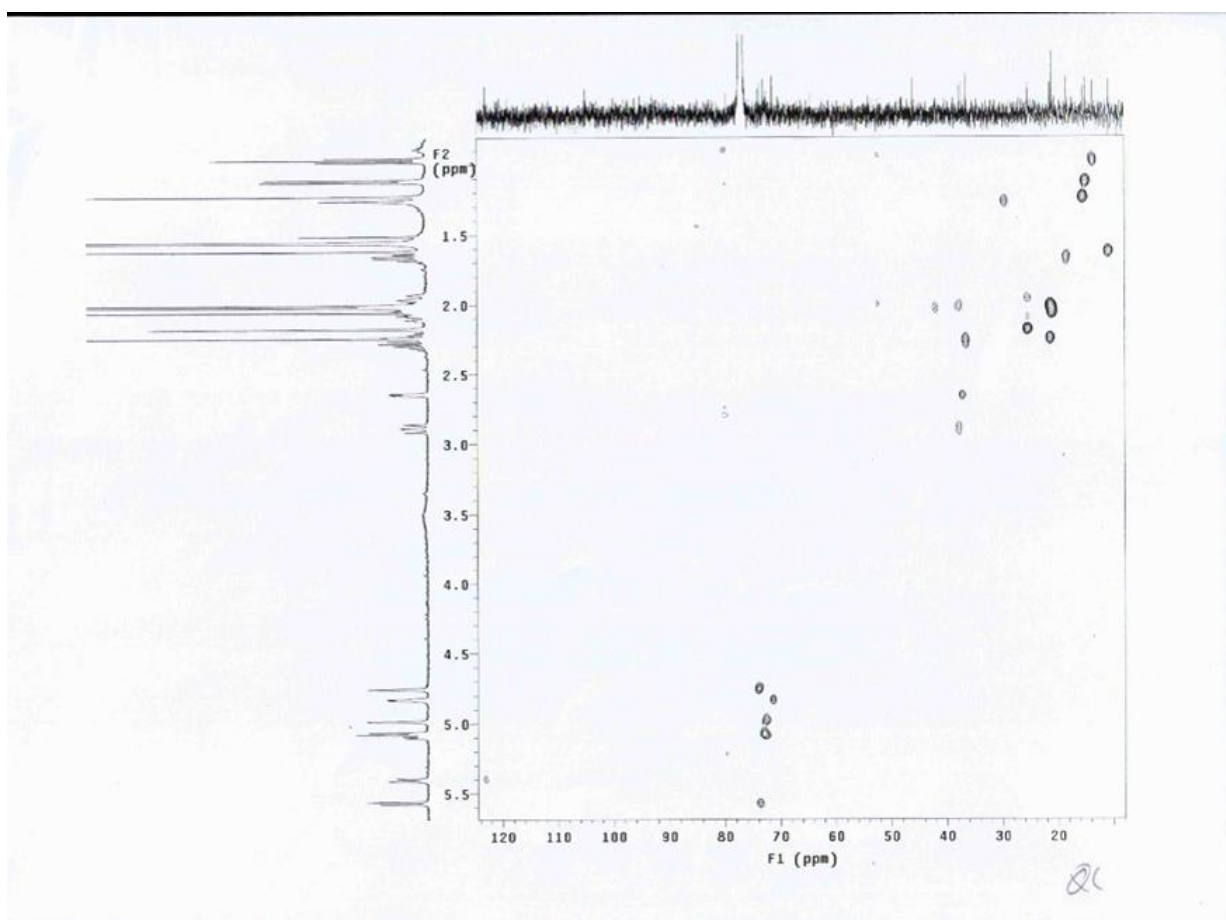
S21.  $^1\text{H}$  NMR spectrum (500 MHz) of compound **3** in  $\text{CDCl}_3$ .



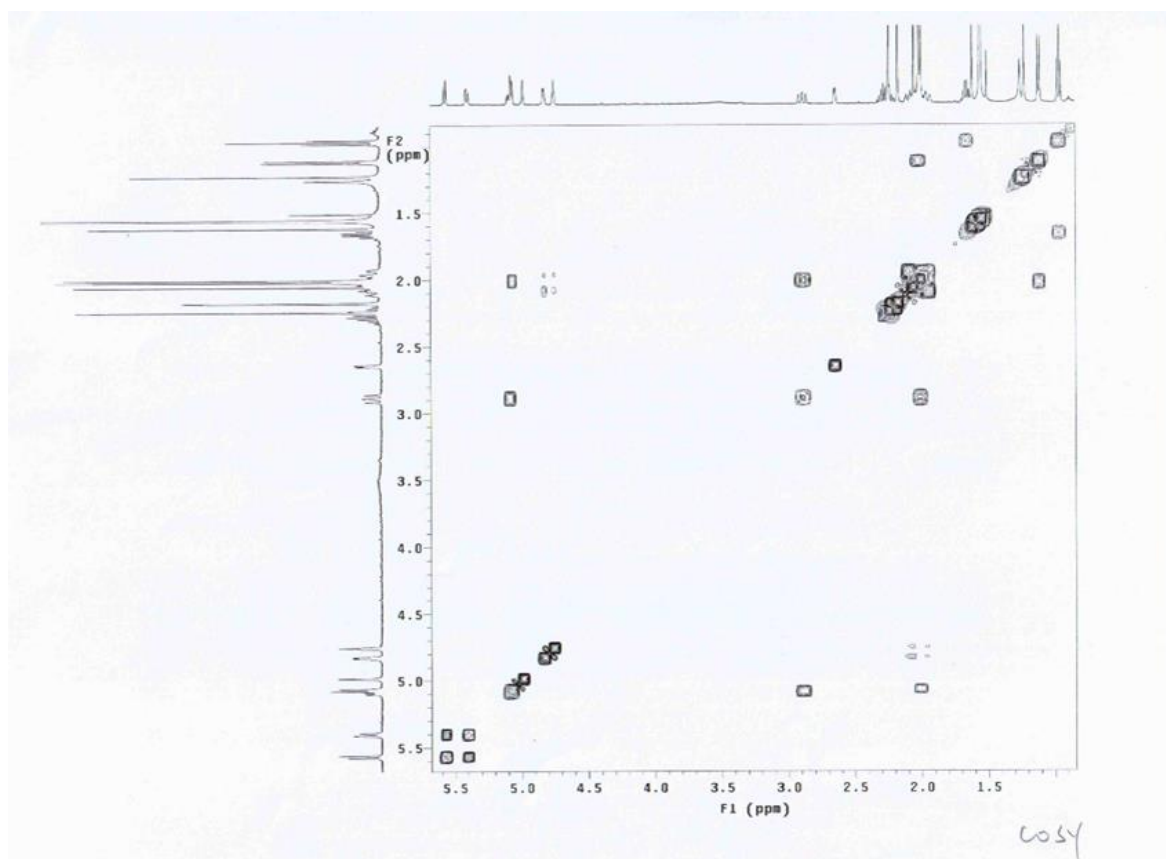
S22.  $^{13}\text{C}$  NMR spectrum (125 MHz) of compound **3** in  $\text{CDCl}_3$ .



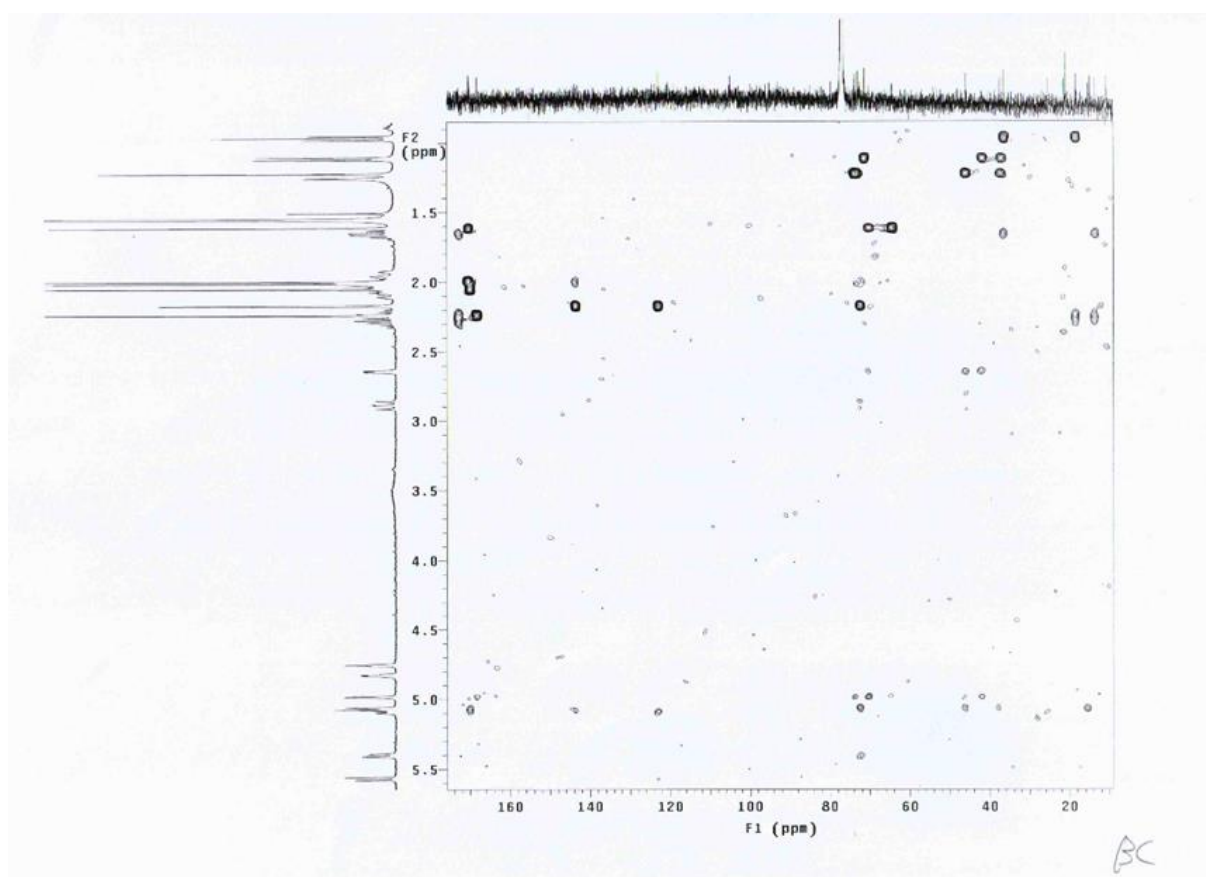
S23. DEPT spectrum (500 MHz) of compound **3** in CDCl<sub>3</sub>.



S24. gHSQC spectrum of compound **3** in CDCl<sub>3</sub>.

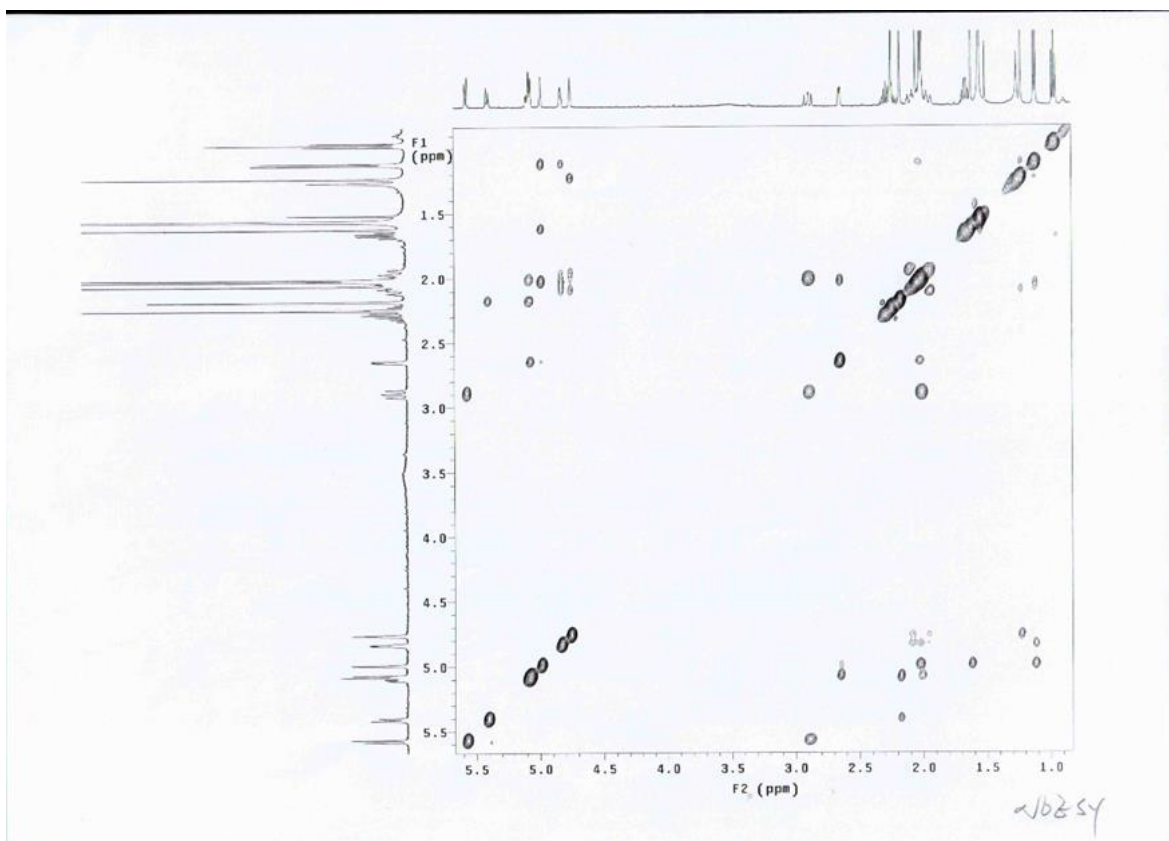


S25.  $^1\text{H}$ - $^1\text{H}$  gCOSY spectrum of compound **3** in  $\text{CDCl}_3$ .

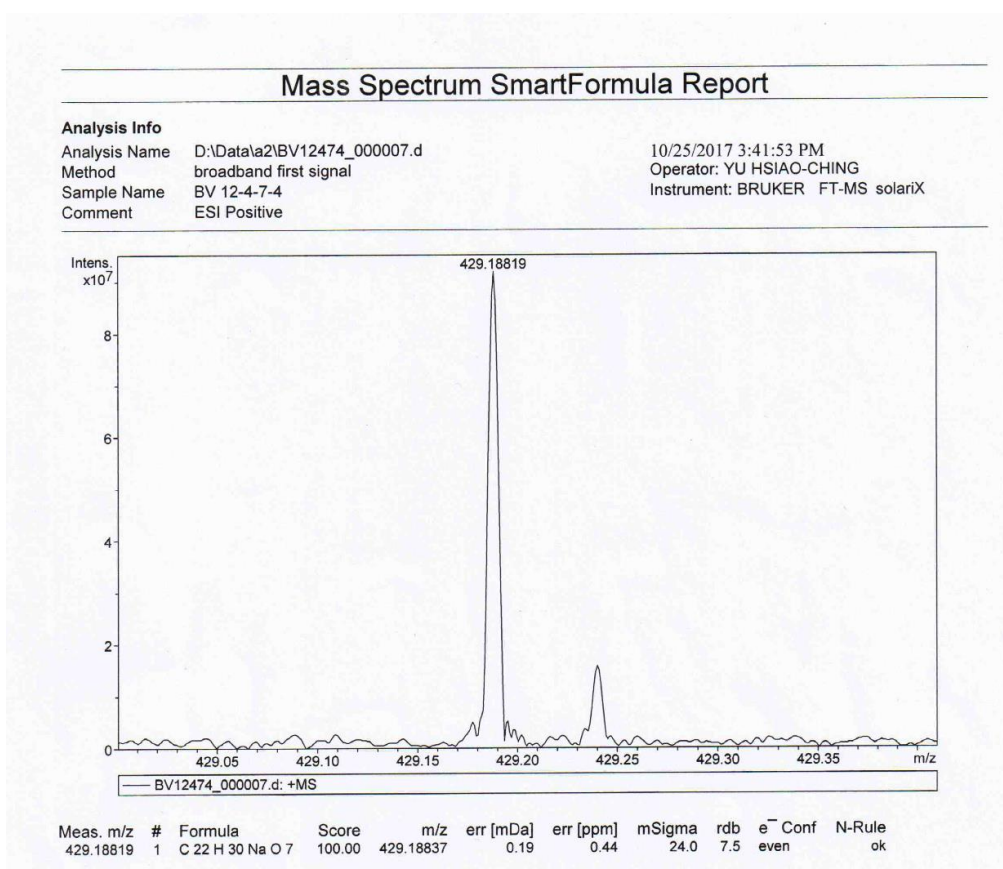


S26. gHMBC spectrum of compound **3** in  $\text{CDCl}_3$ .



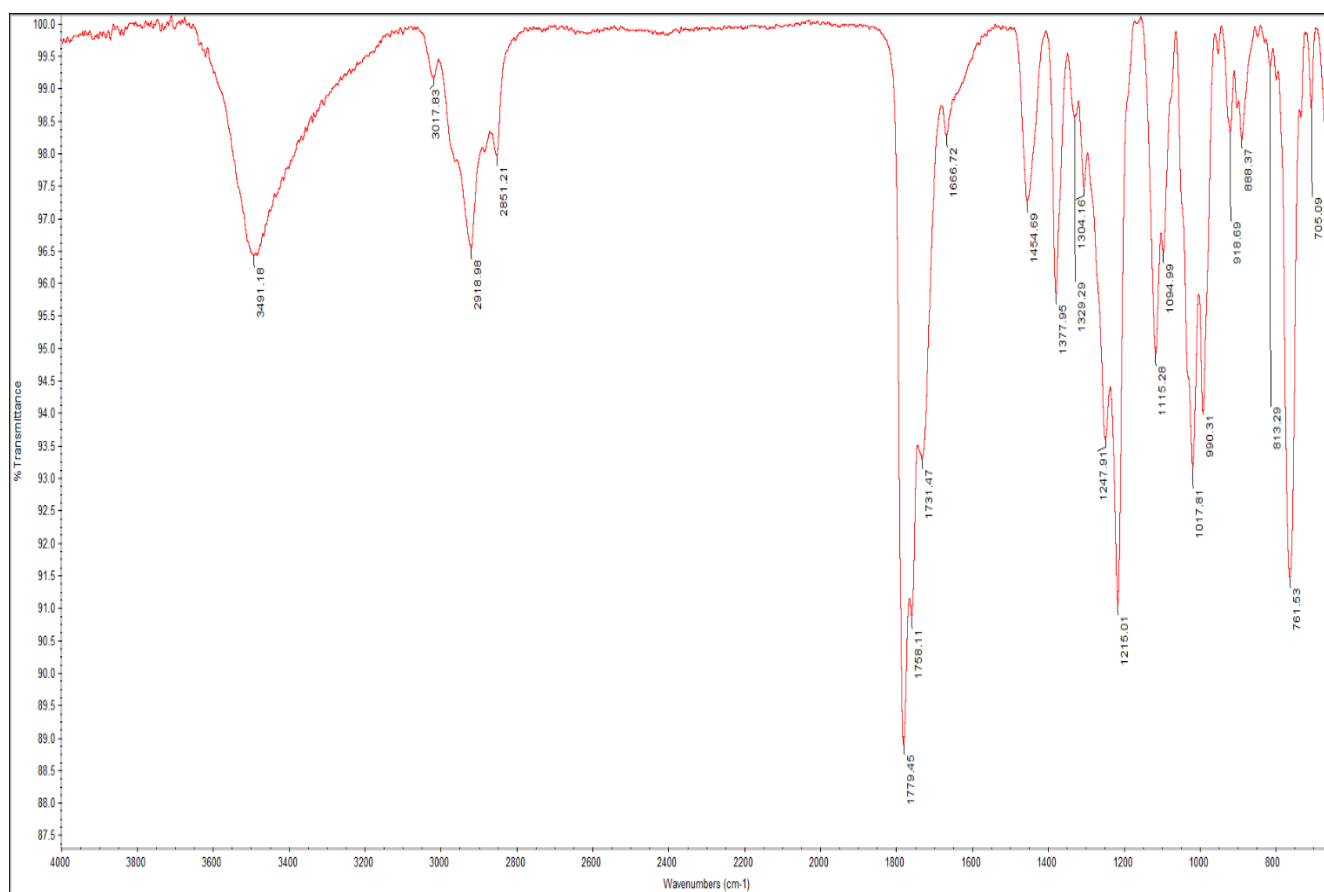


S27. NOESY spectrum of compound **3** in  $\text{CDCl}_3$ .

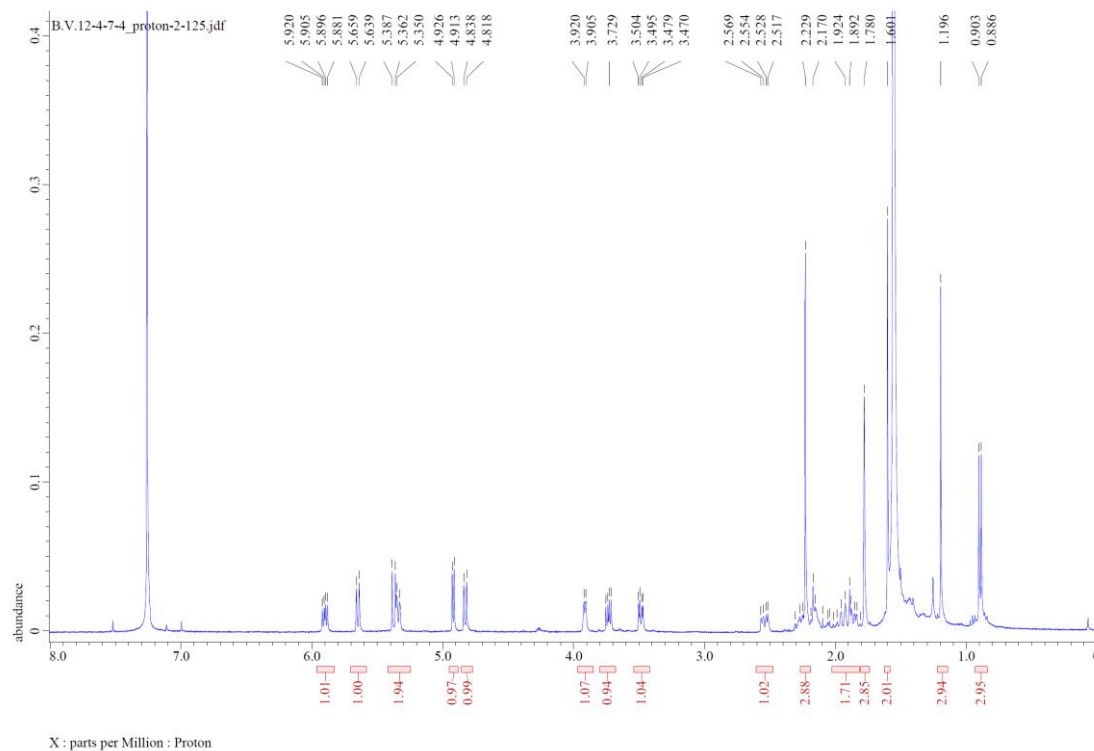


S28. HR-ESI-MS spectrum of compound **4**.

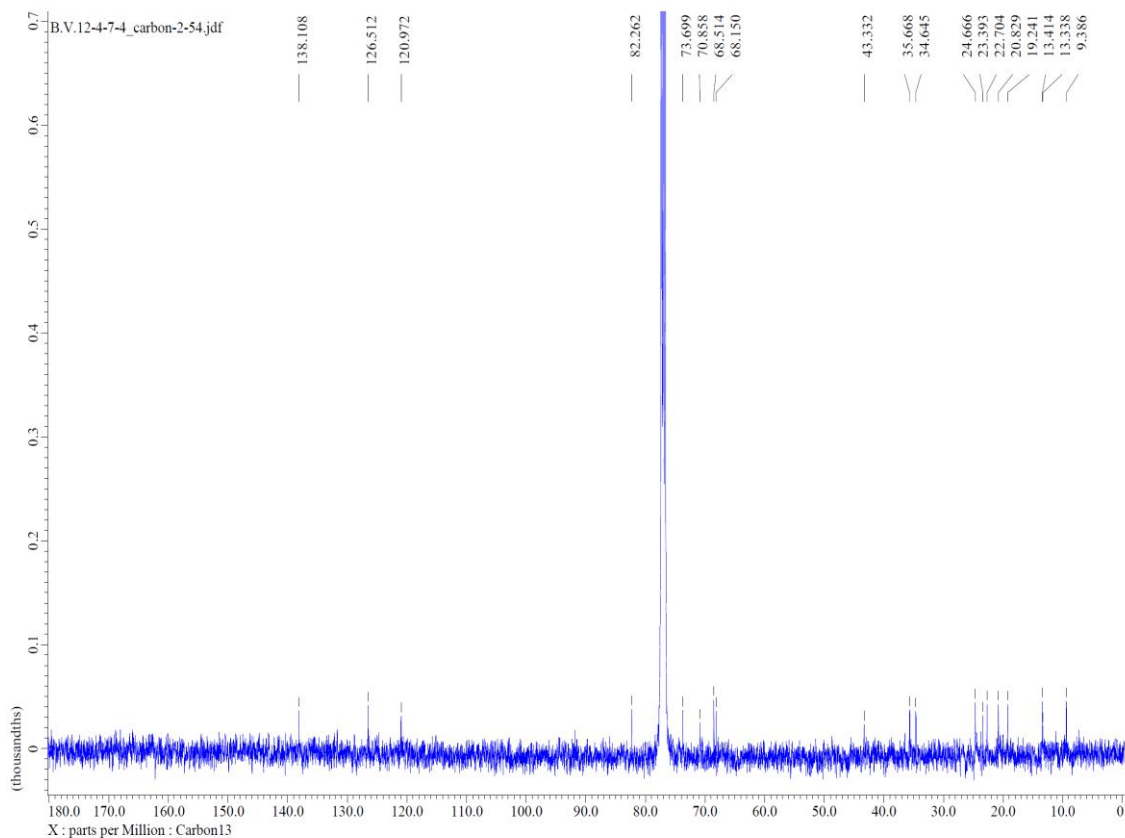




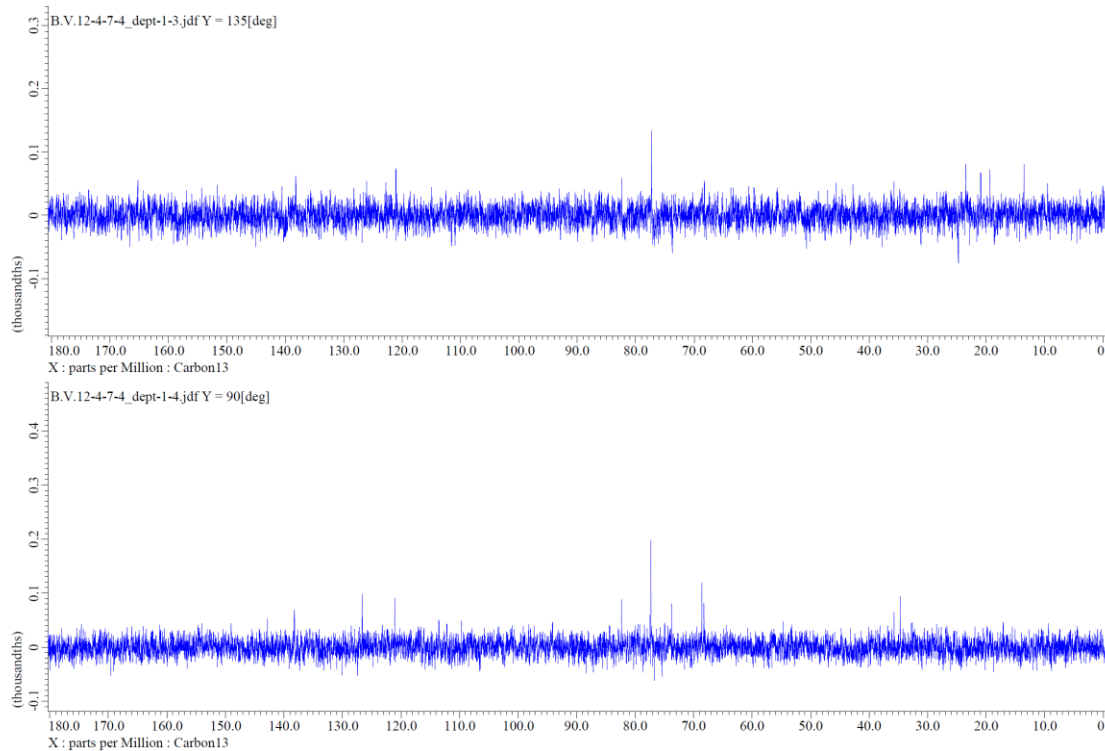
S29. IR spectrum of compound **4**.



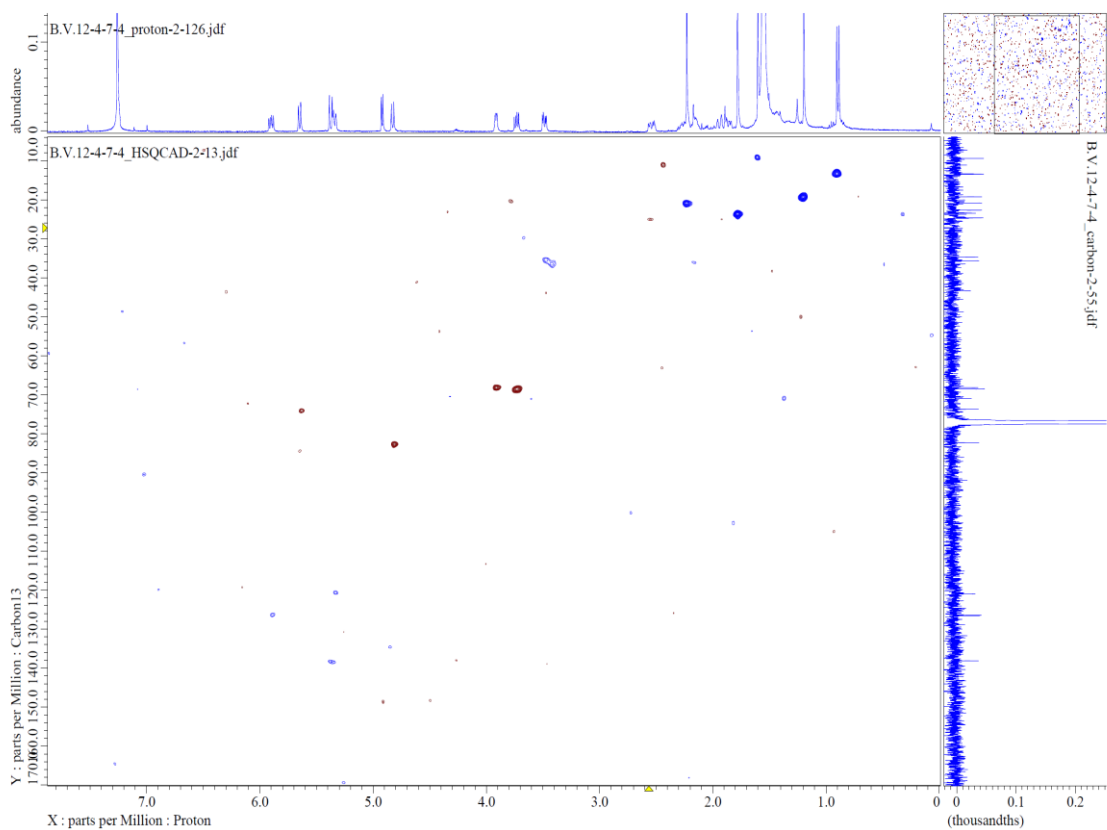
S30. <sup>1</sup>H NMR spectrum (400 MHz) of compound **4** in CDCl<sub>3</sub>.



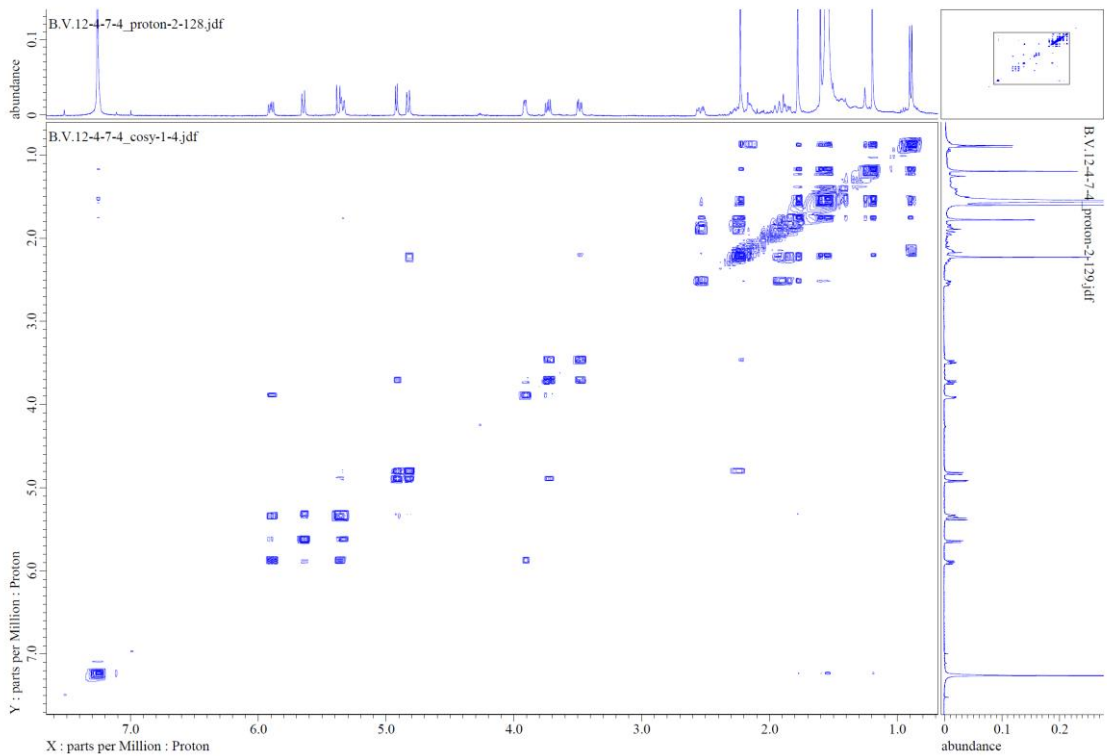
S31.  $^{13}\text{C}$  NMR spectrum (400 MHz) of compound **4** in  $\text{CDCl}_3$ .



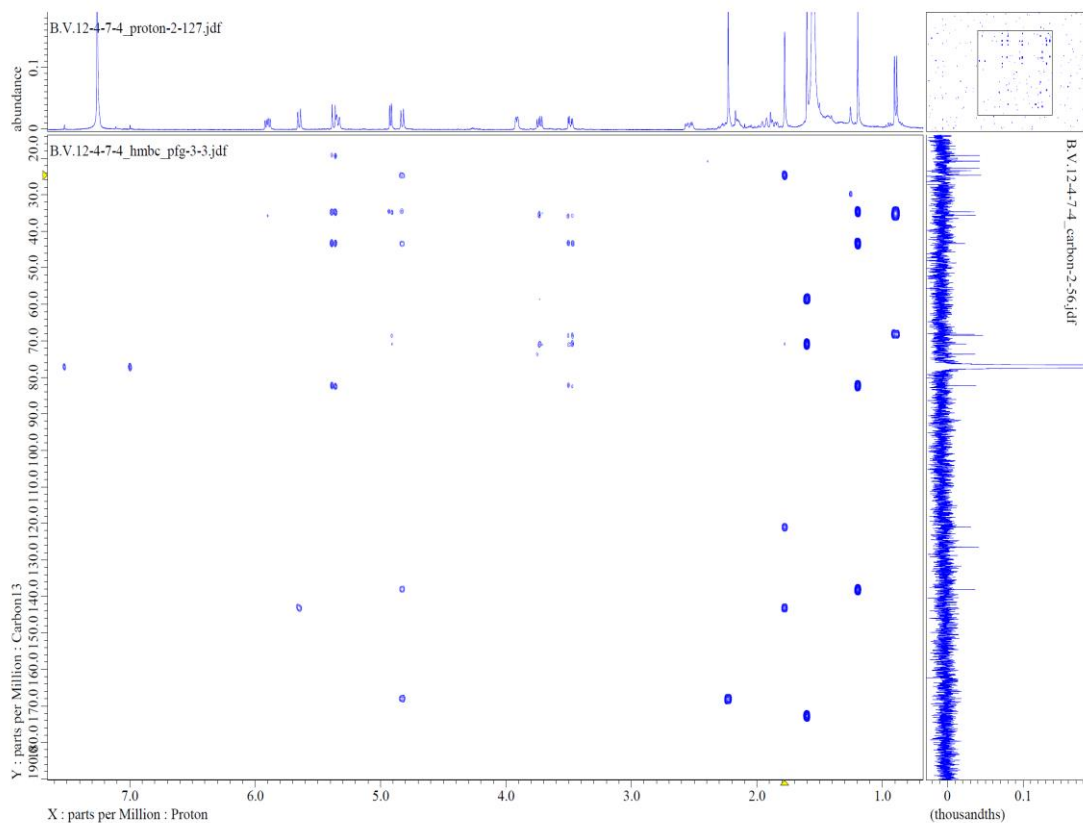
S32. DEPT spectrum (400 MHz) of compound **4** in  $\text{CDCl}_3$ .



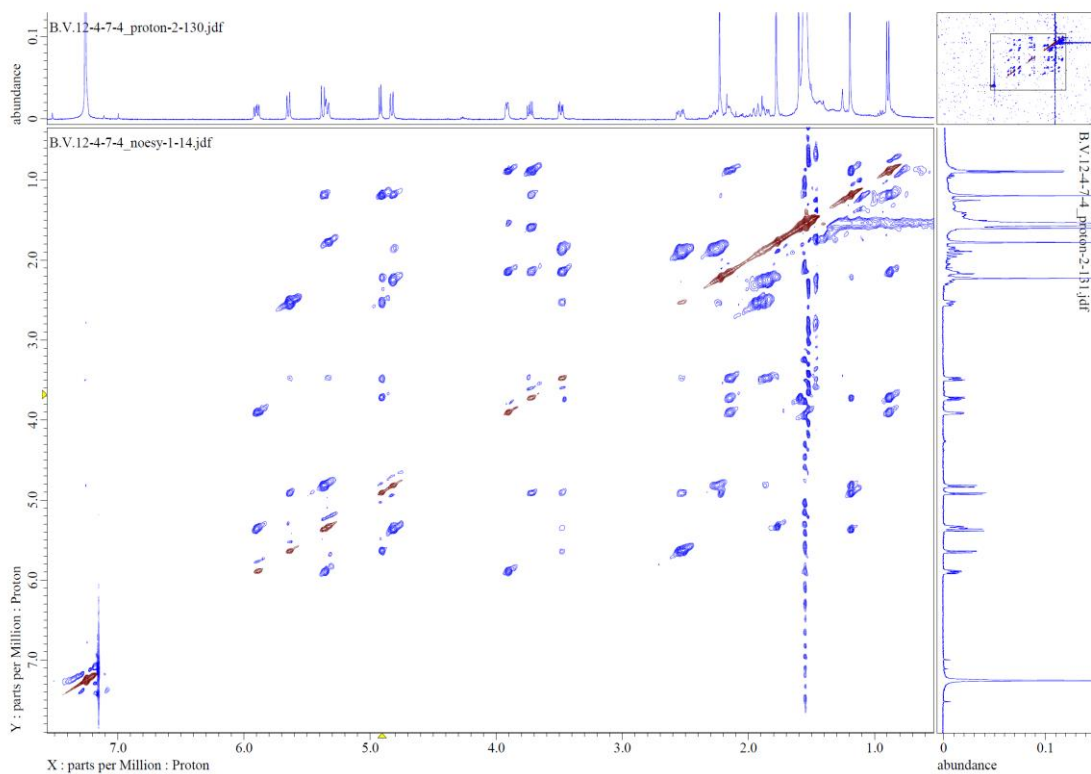
S33. gHSQC spectrum of compound **4** in CDCl<sub>3</sub>.



S34. <sup>1</sup>H-<sup>1</sup>H gCOSY spectrum of compound **4** in CDCl<sub>3</sub>.



S35. gHMBC spectrum of compound 4 in CDCl<sub>3</sub>.



S36. NOESY spectrum of compound 4 in CDCl<sub>3</sub>.