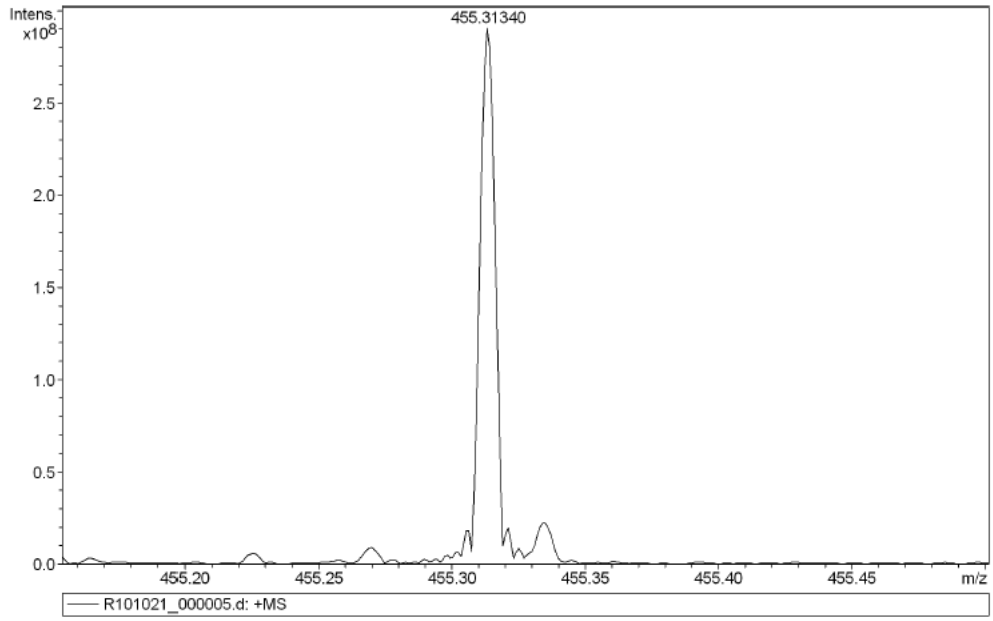
Supporting Information

Mass Spectrum SmartFormula Report

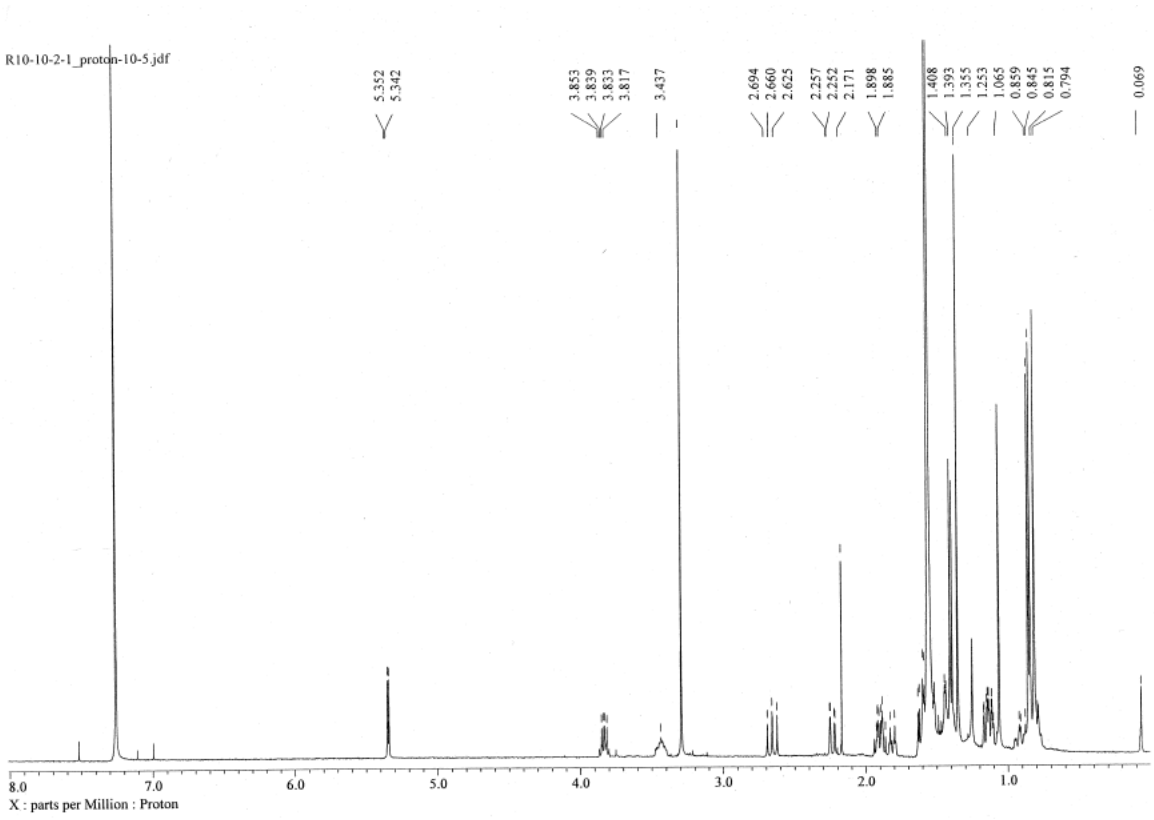
Analysis Info

Analysis Name	D:\Data\a2\R101021_000005.d		11/25/2019 12:59:34 PM
Method	broadband first signal		Operator: YU HSIAO-CHING
Sample Name	R-10-10-2-1		Instrument: BRUKER FT-MS solariX
Comment	ESI Positive		

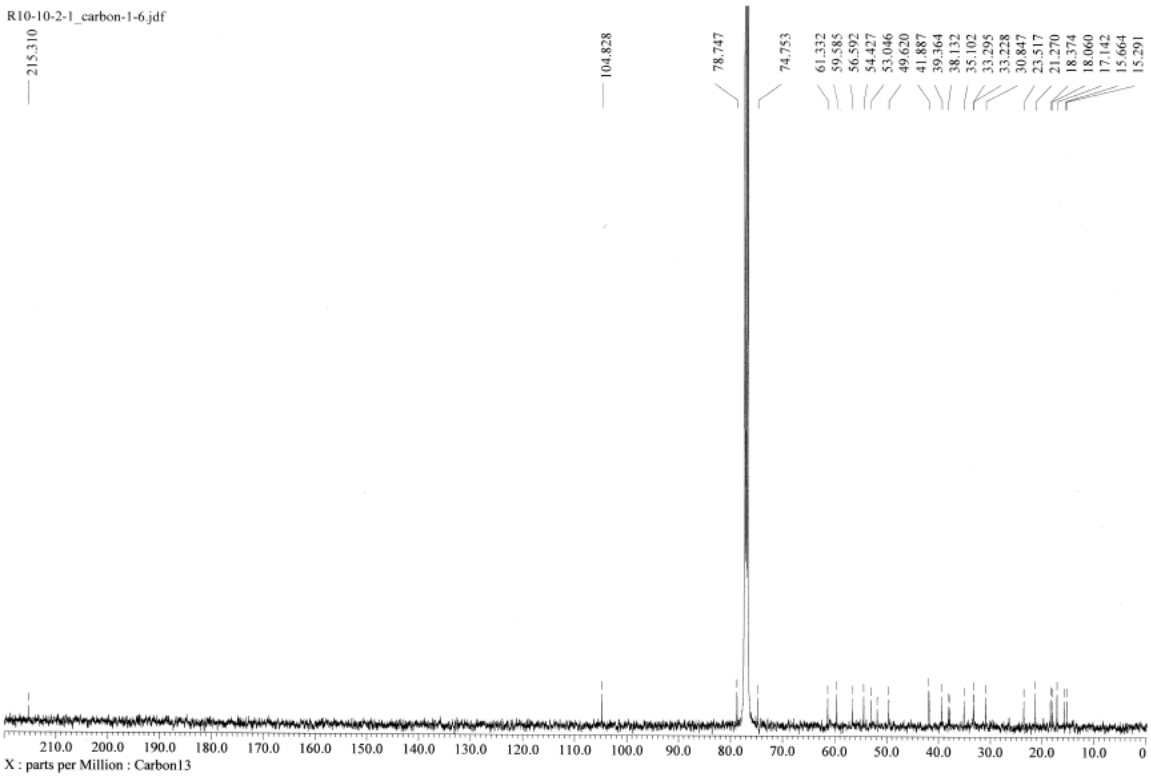


Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e⁻ Conf	N-Rule
455.31340	1	C 27 H 44 Na O 4	100.00	455.31318	-0.21	-0.47	10.0	5.5	even	ok

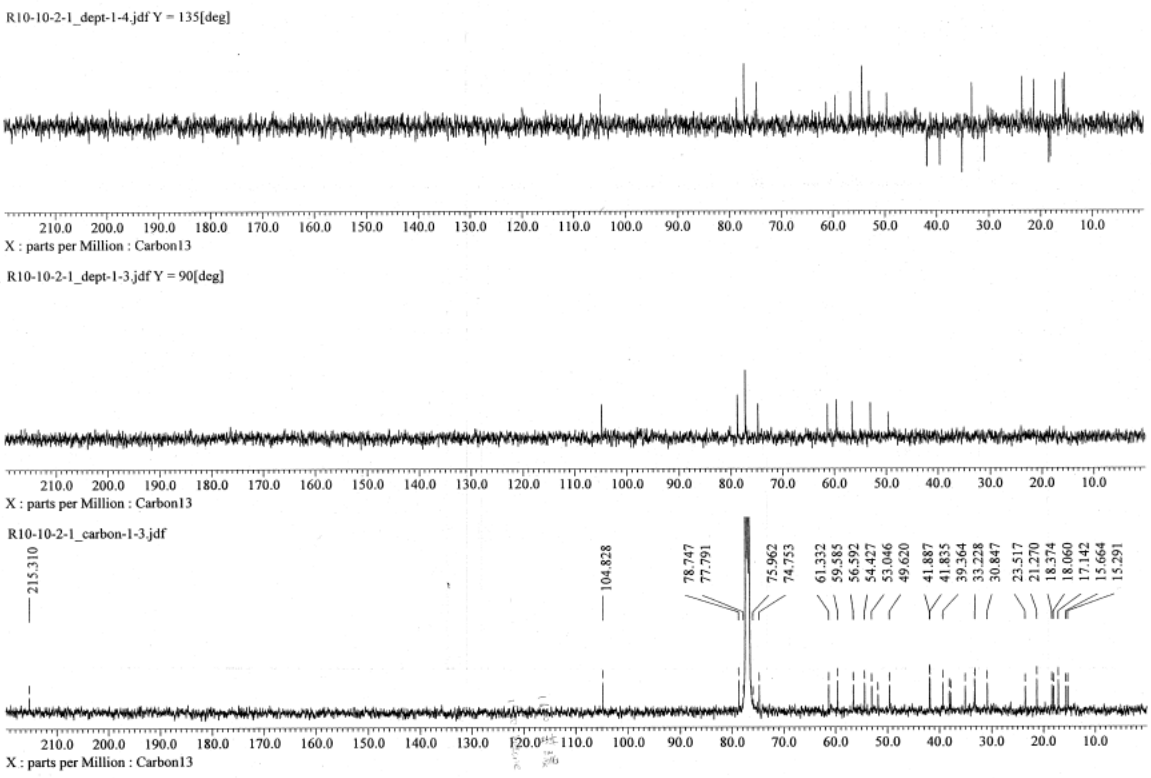
S1. HRESIMS spectrum of compound **1**.



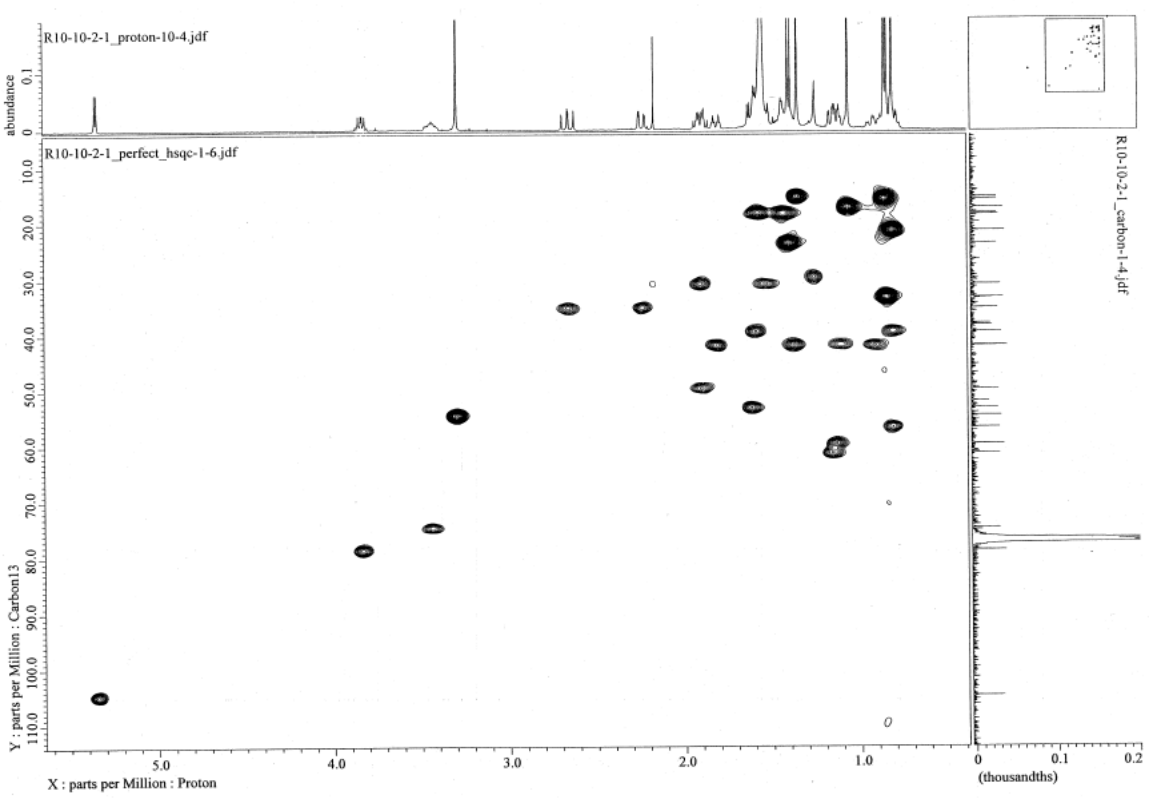
S2. ^{1}H NMR spectrum (400 MHz) of compound **1** in $CDCl_3$.



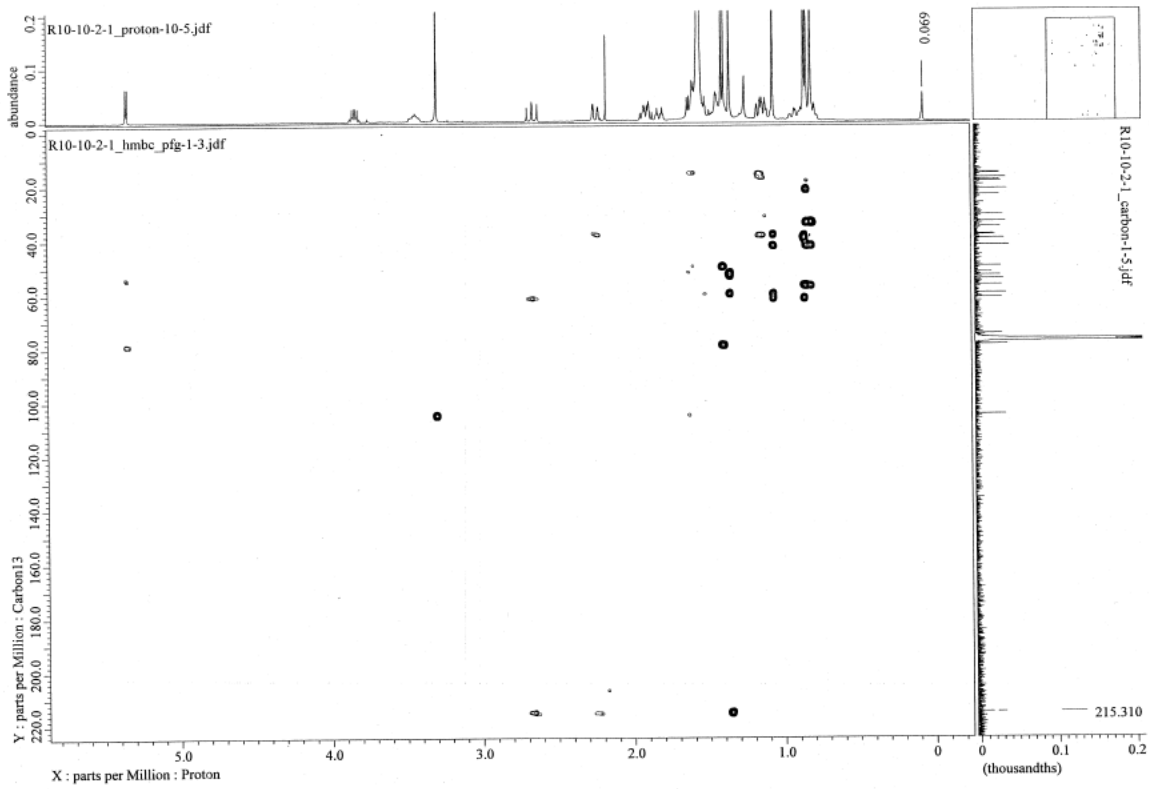
S3. ^{13}C NMR spectrum (100 MHz) of compound **1** in $CDCl_3$.



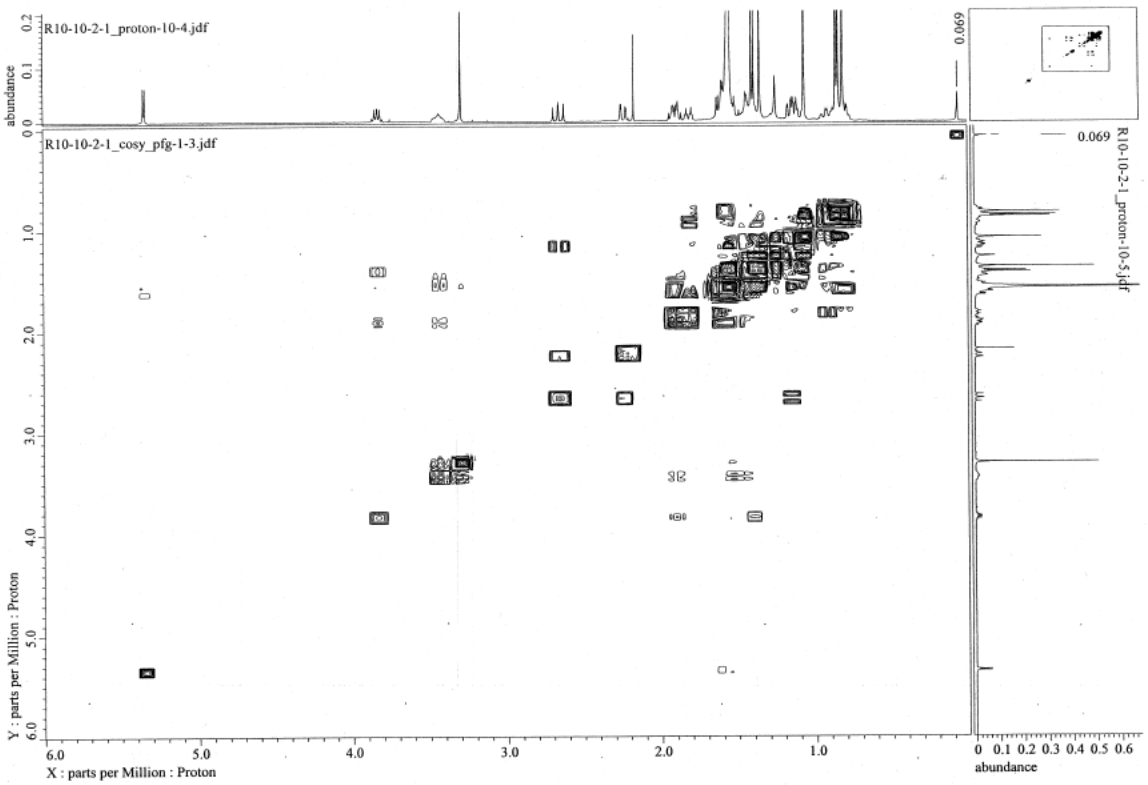
S4. DEPT spectrum (100 MHz) of compound **1** in CDC_3



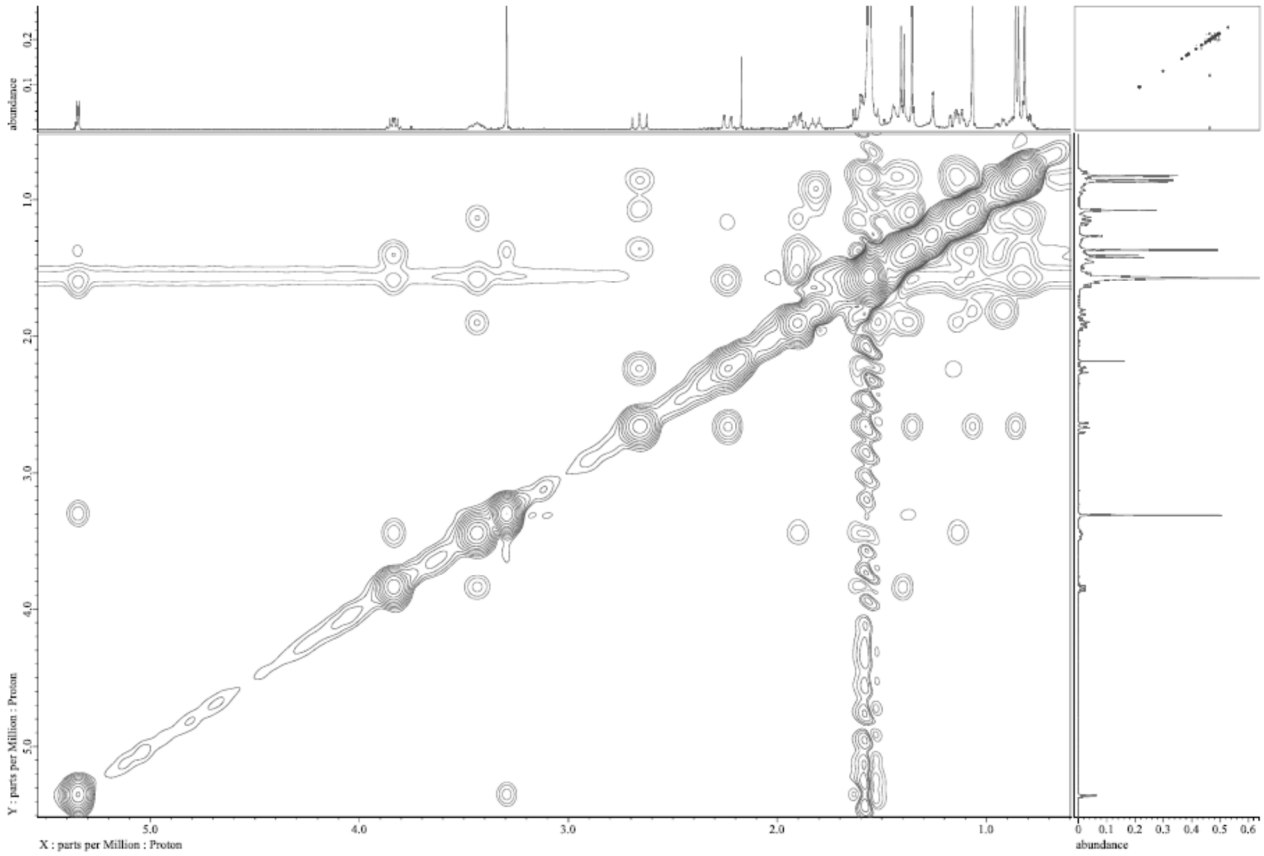
S5. HSQC spectrum of compound **1** in $CDCl_3$.



S6. HMBC spectrum of compound **1** in $CDCl_3$.



S7. ^{1}H-^{1}H COSY spectrum of compound **1** in $CDCl_3$.

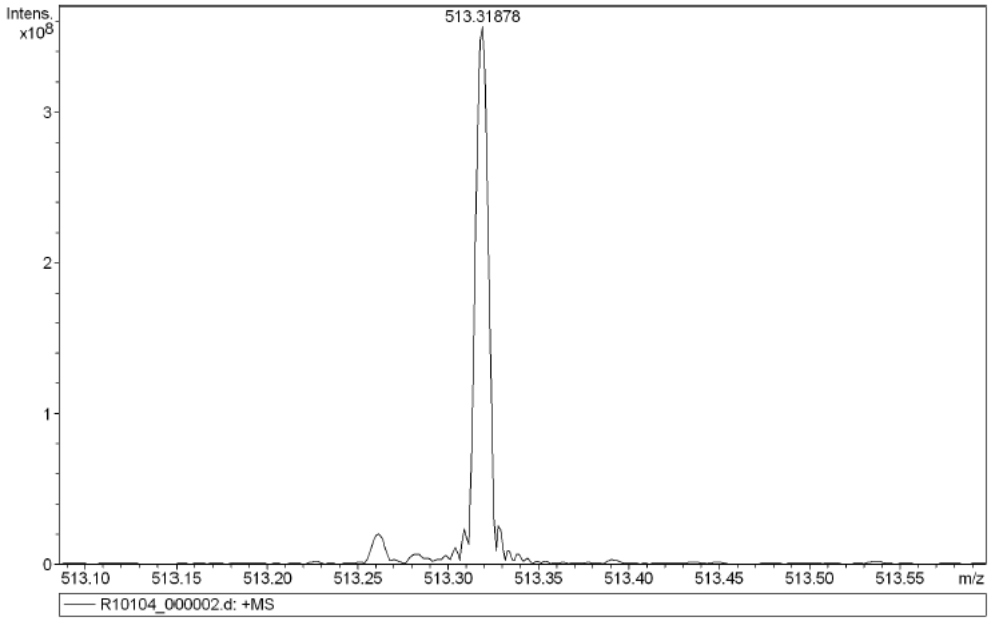


S8. NOESY spectrum of compound **1** in $CDCl_3$

Mass Spectrum SmartFormula Report

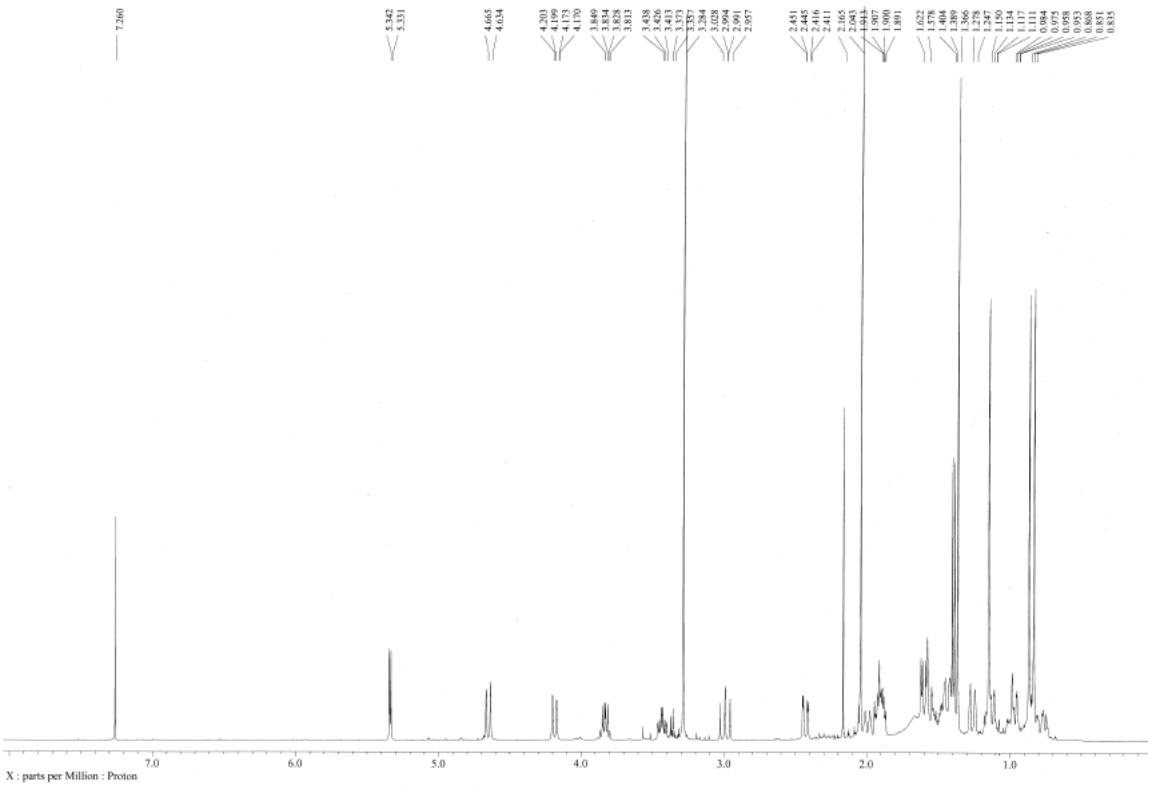
Analysis Info

Analysis Name	D:\Data\a2\R10104_000002.d		11/25/2019 1:08:58 PM
Method	broadband first signal		Operator: YU HSIAO-CHING
Sample Name	R-10-10-4		Instrument: BRUKER FT-MS solariX
Comment	ESI Positive		

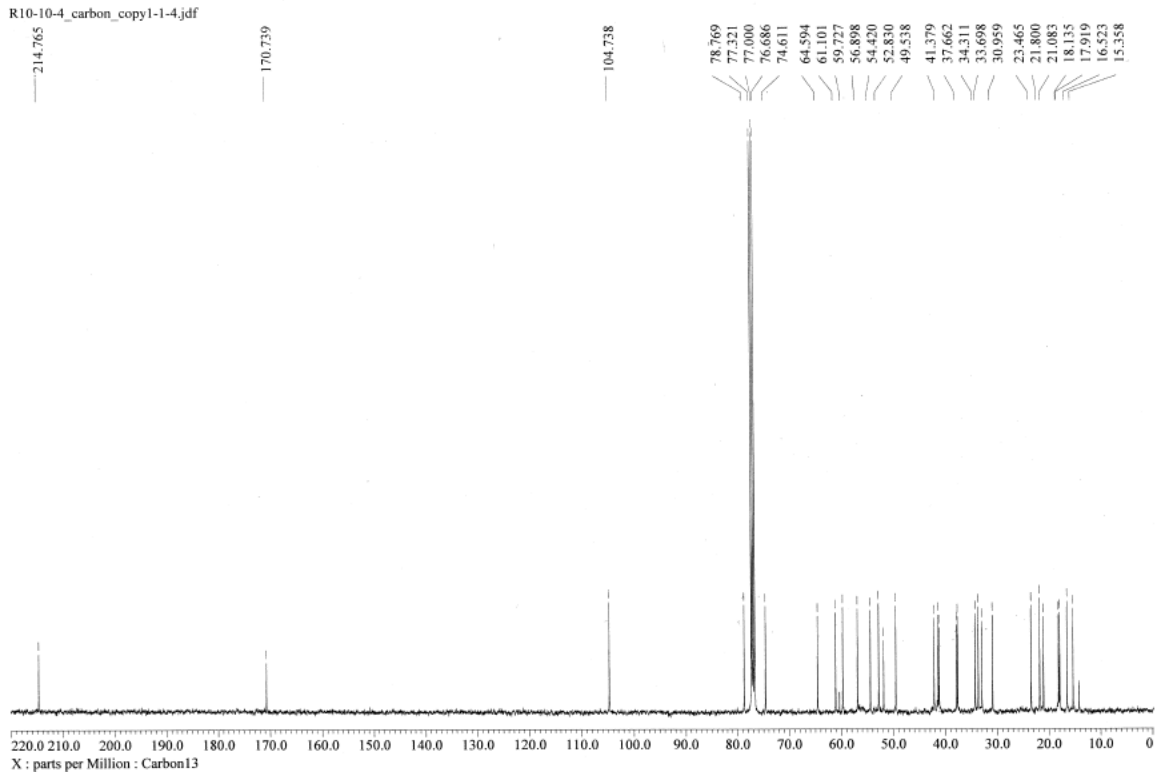


Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e⁻ Conf	N-Rule
513.31878	1	C 29 H 46 Na O 6	100.00	513.31866	-0.12	-0.23	7.4	6.5	even	ok

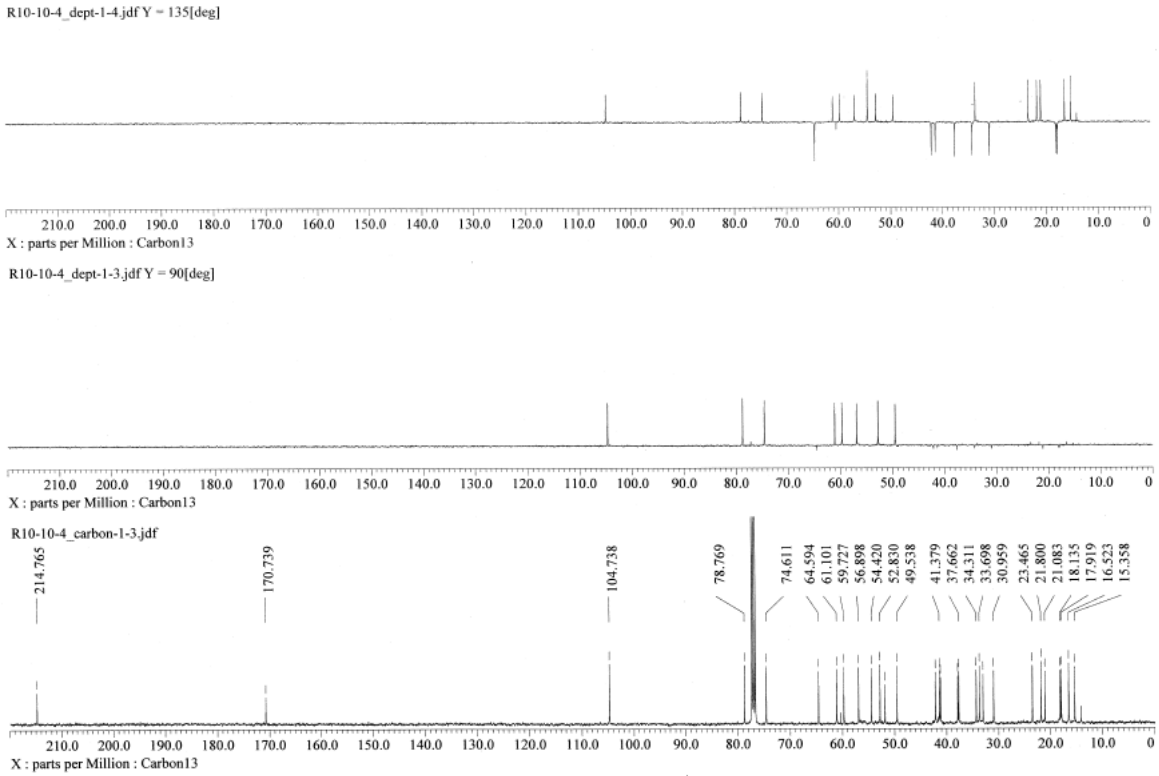
S9. HRESIMS spectrum of compound **2**.



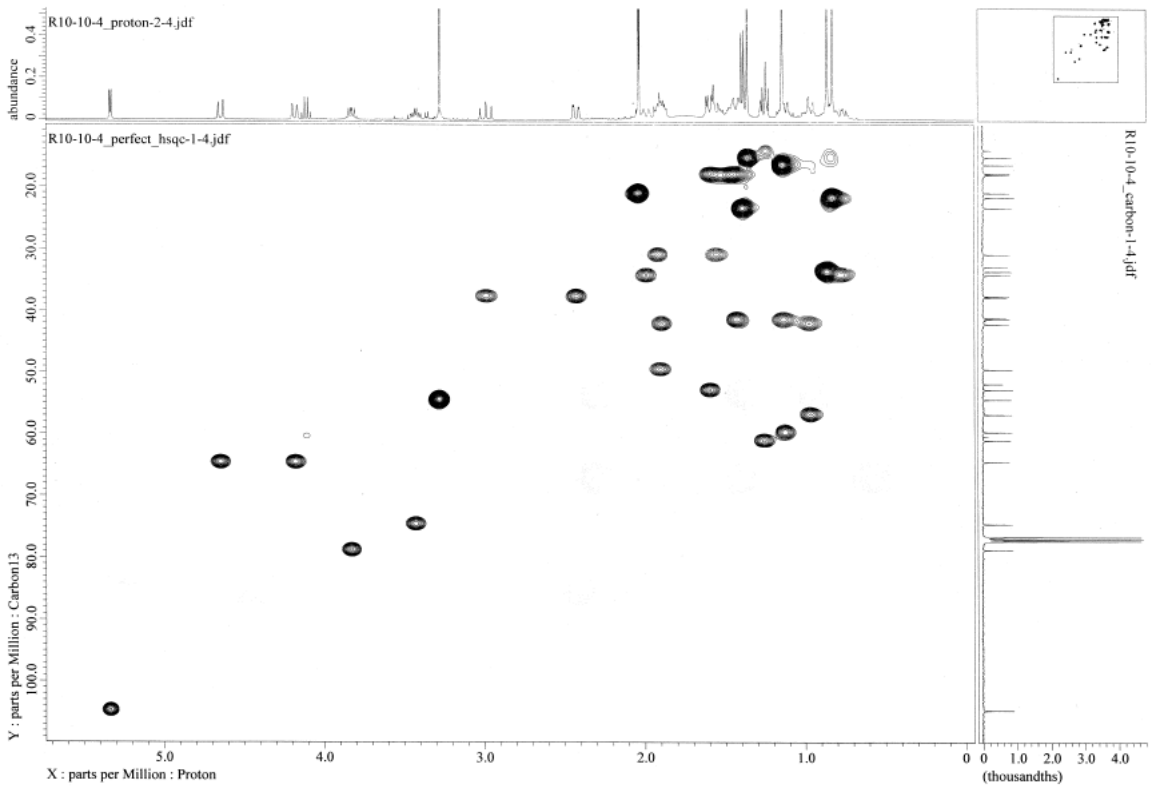
S10. ^{1}H NMR spectrum (400 MHz) of compound **2** in $CDCl_3$.



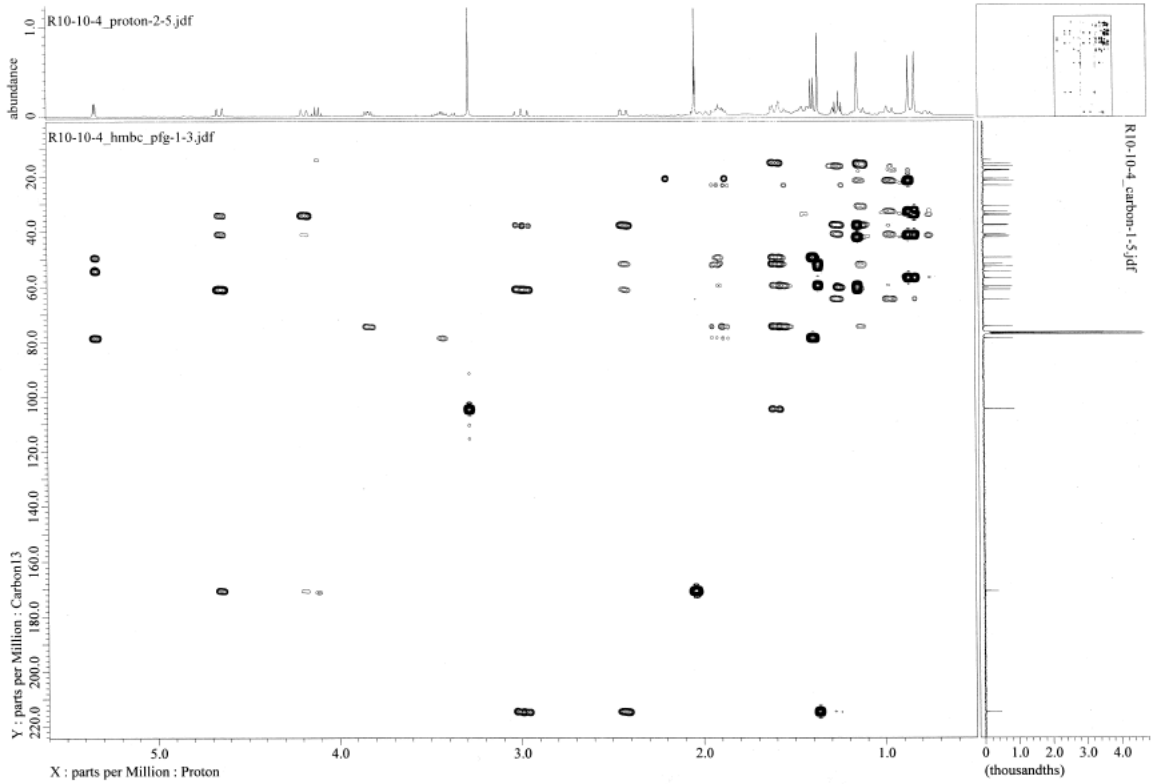
S11. ^{13}C NMR spectrum (100 MHz) of compound **2** in $CDCl_3$.



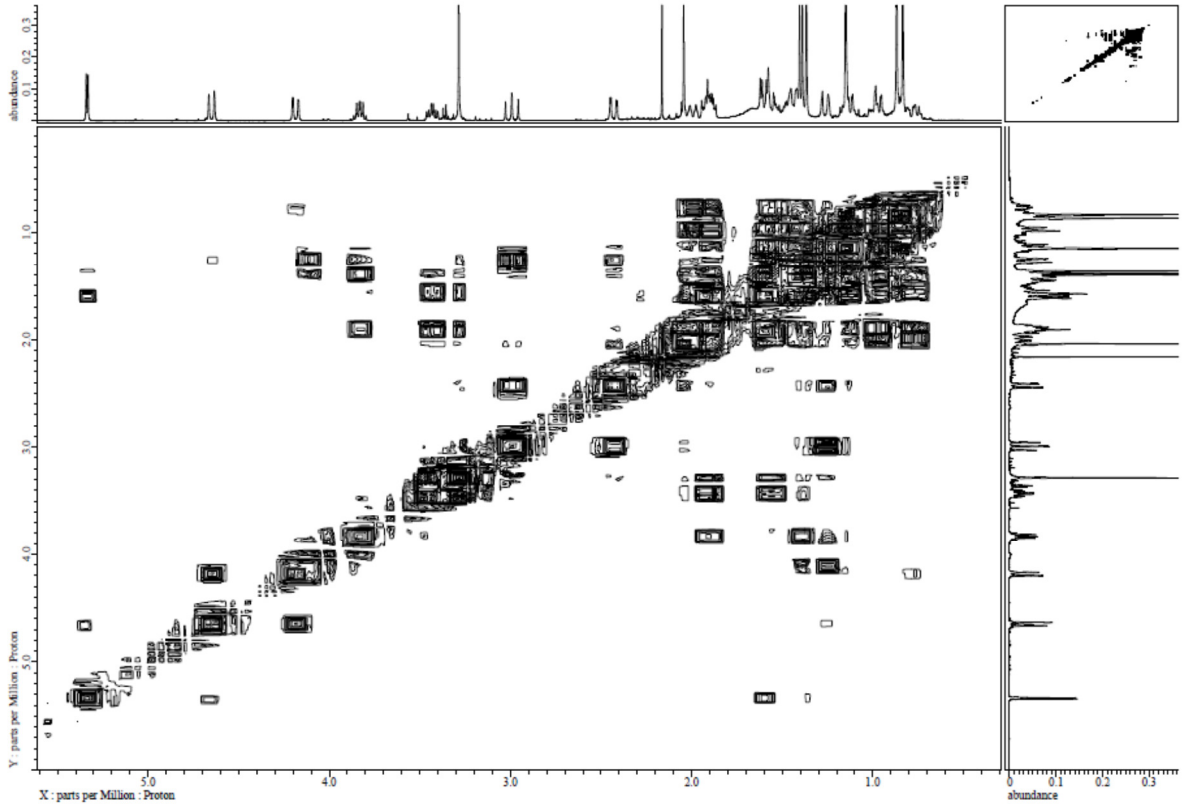
S12. DEPT spectrum (100 MHz) of compound **2** in $CDCl_3$.



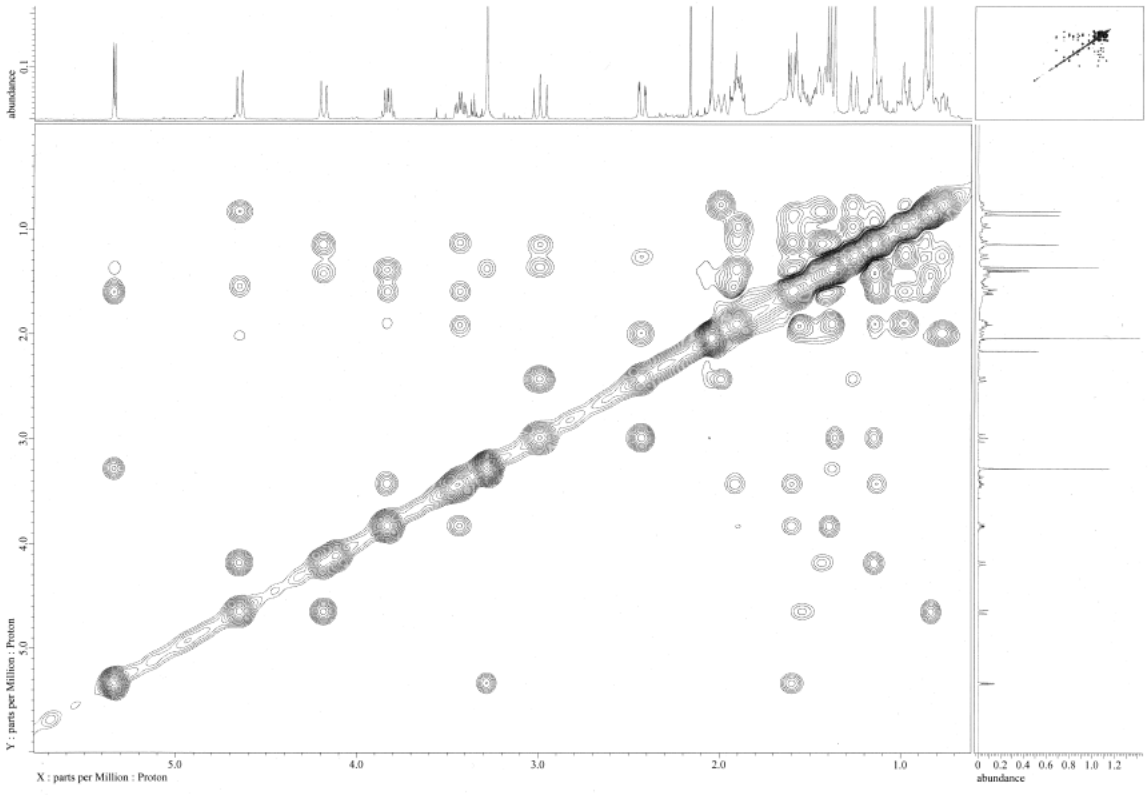
S13. HSQC spectrum of compound **2** in $CDCl_3$.



S14. HMBC spectrum of compound **2** in $CDCl_3$.



S15. ^{1}H-^{1}H COSY spectrum of compound **2** in $CDCl_3$.



S16 NOESY spectrum of compound **2** in $CDCl_3$

Mass Spectrum SmartFormula Report

Analysis Info

Analysis Name	D:\Data\a2\R10103_000002.d		11/25/2019 1:03:34 PM
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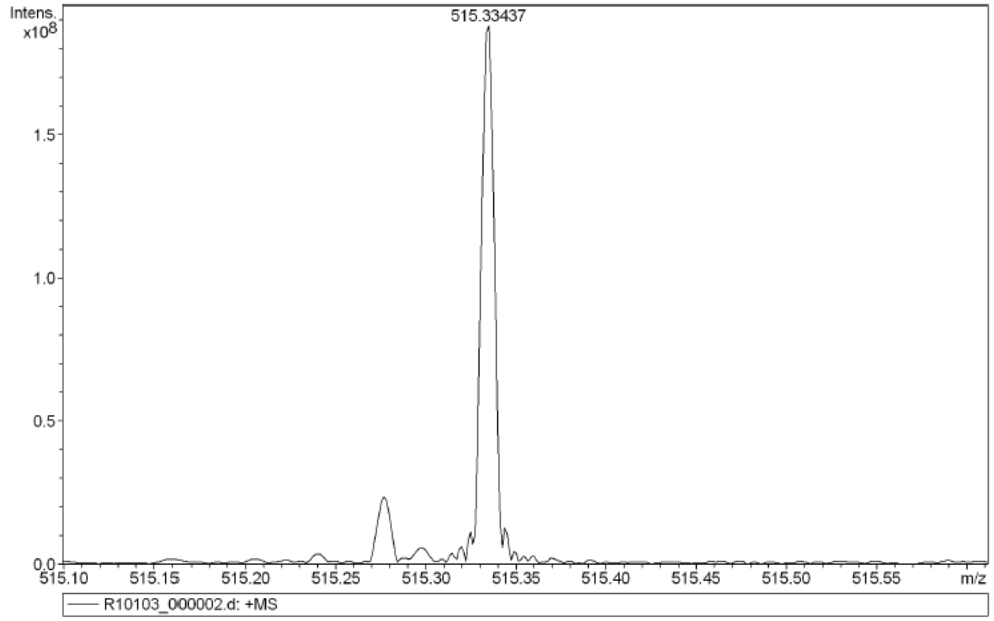
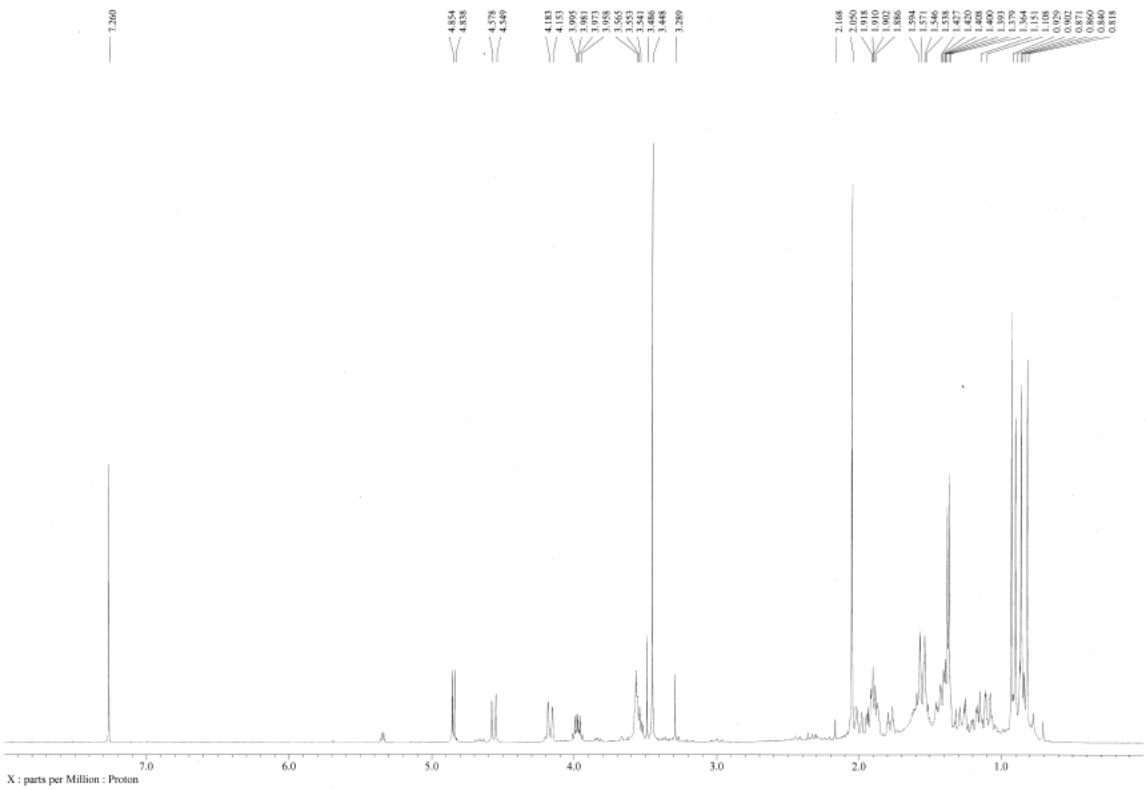
Sample Name	R-10-10-3		Instrument: BRUKER FT-MS solariX
Comment	ESI Positive		

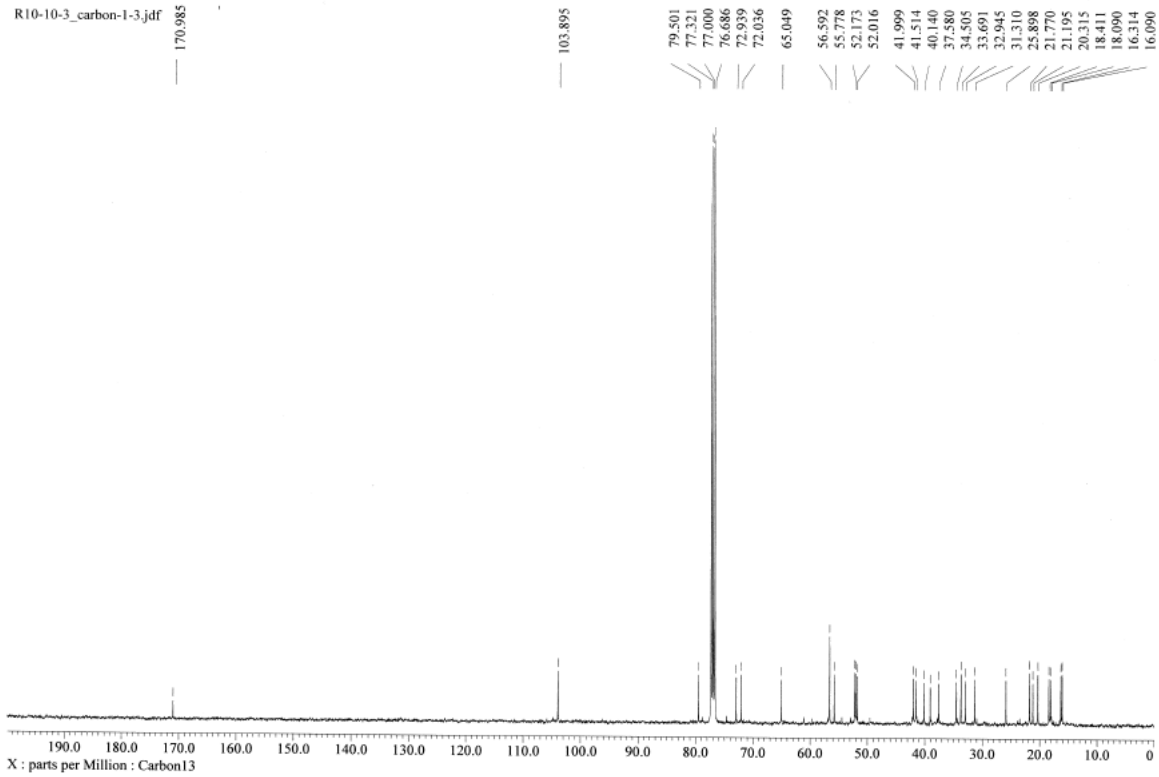


Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e⁻ Conf	N-Rule
515.33437	1	C 29 H 48 Na O 6	100.00	515.33431	-0.06	-0.12	10.5	5.5	even	ok

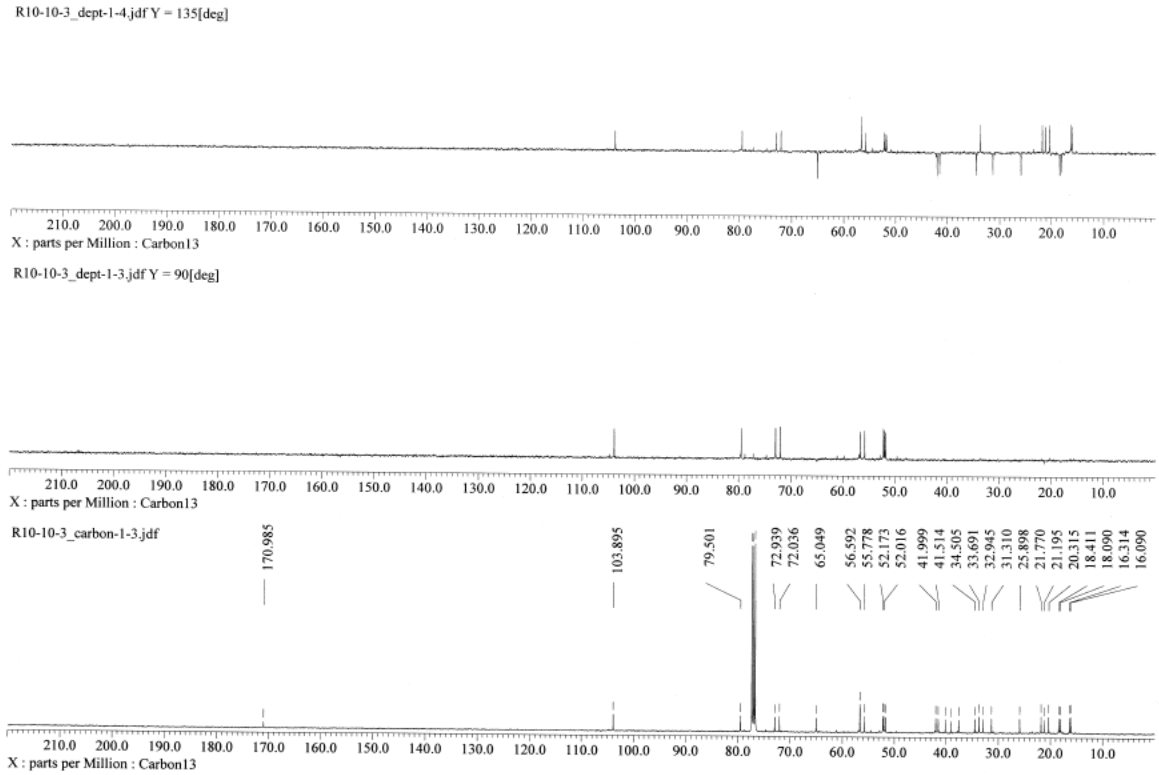
S17. HRESIMS spectrum of compound **3**.



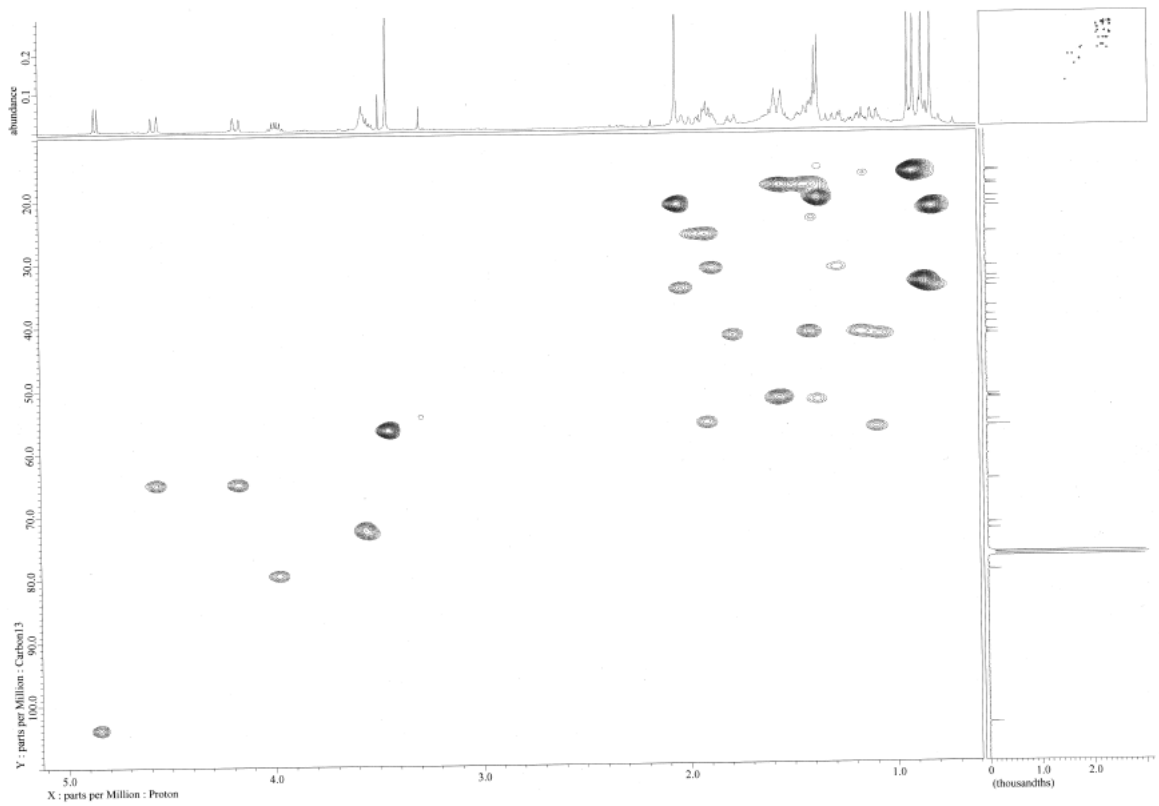
S18. ^{1}H NMR spectrum (400 MHz) of compound **3** in $CDCl_3$.



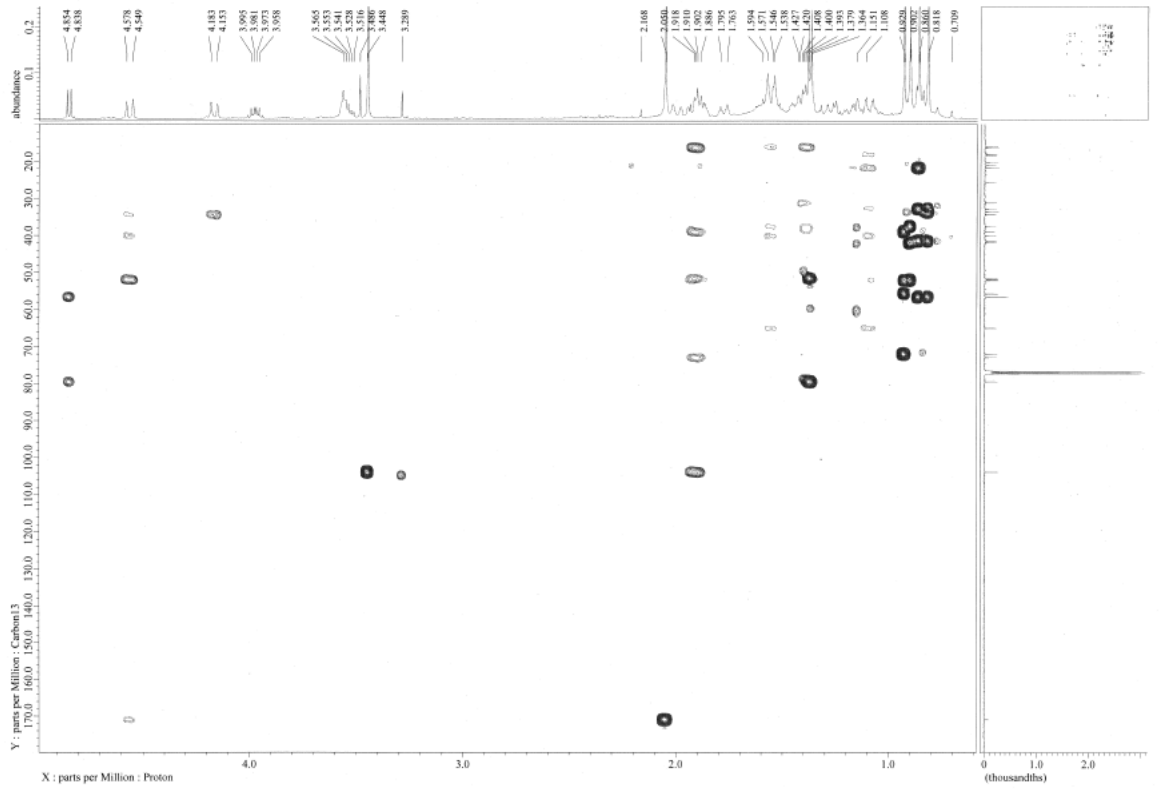
S19. ^{13}C NMR spectrum (125 MHz) of compound **3** in $CDCl_3$.



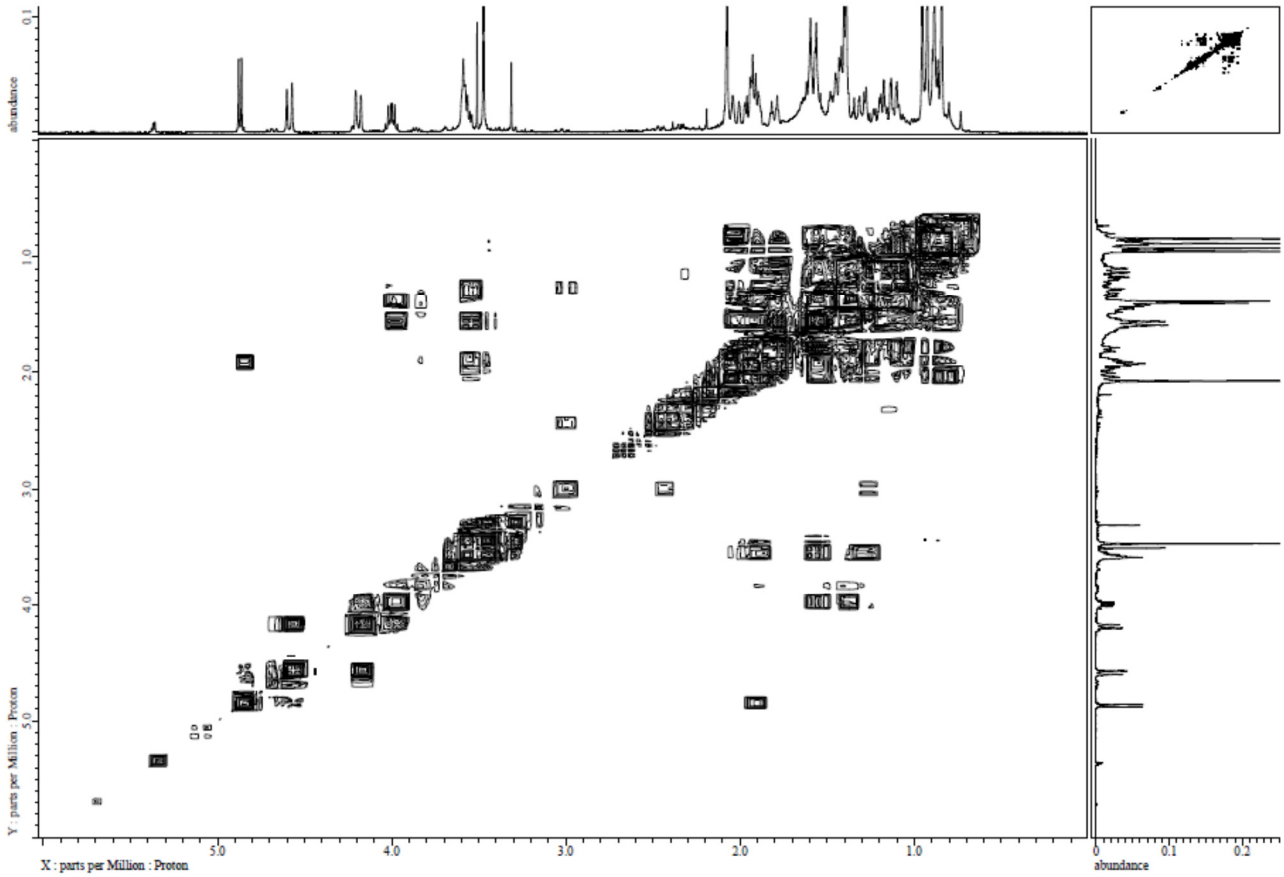
S20. DEPT spectrum (100 MHz) of compound **3** in $CDCl_3$.



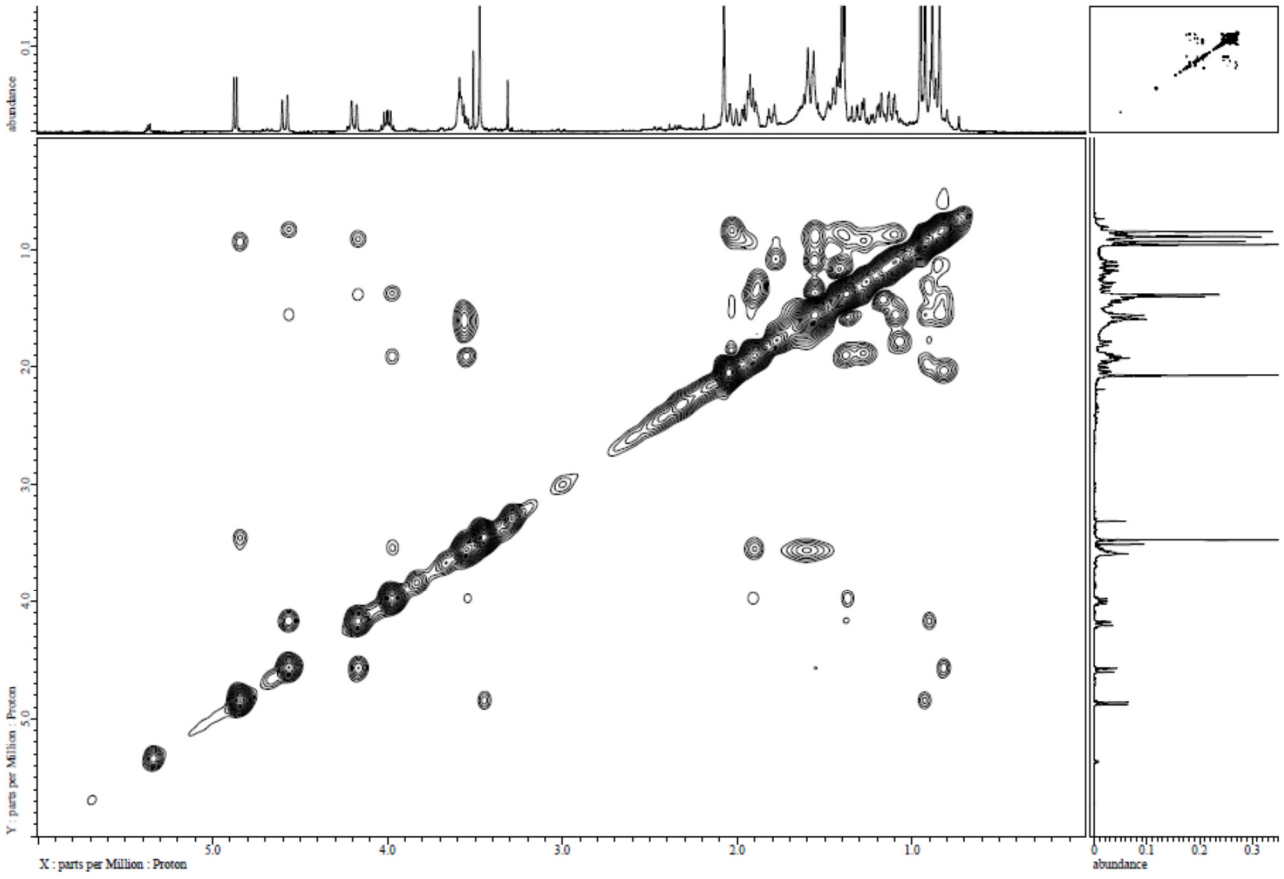
S21. HSQC spectrum of compound **3** in $CDCl_3$.



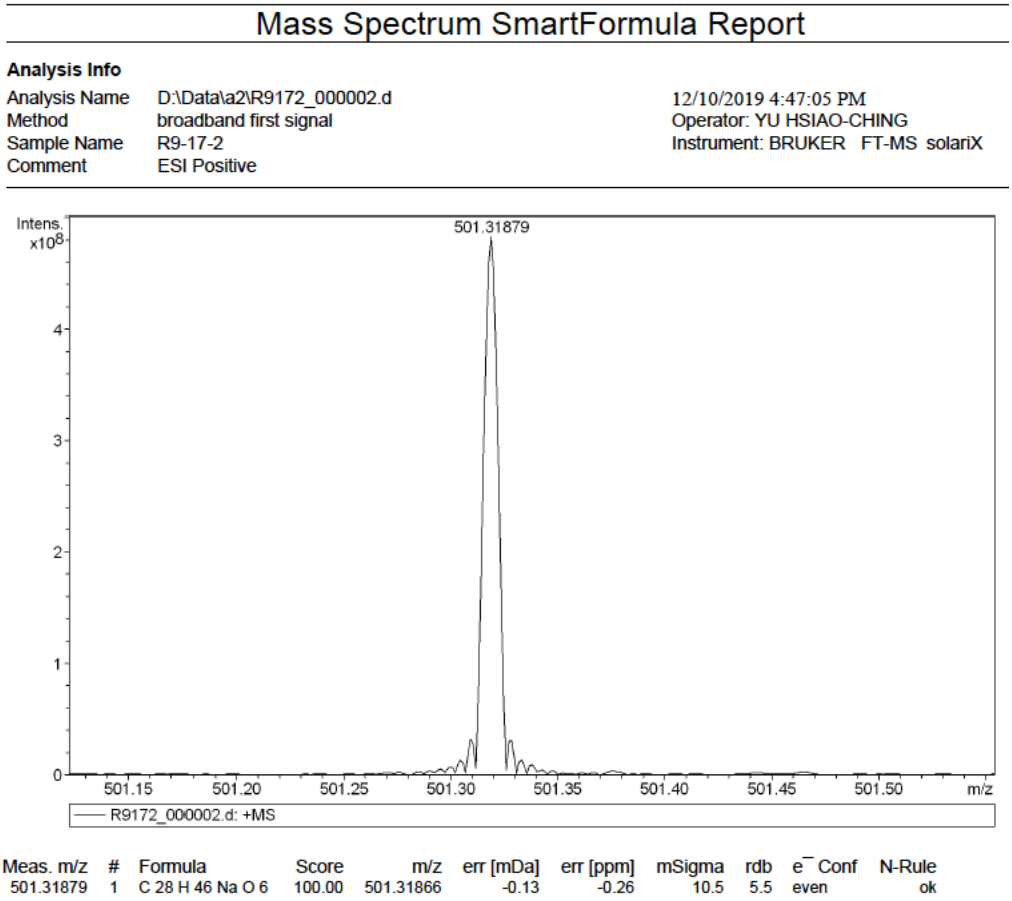
S22. HMBC spectrum of compound **3** in $CDCl_3$.



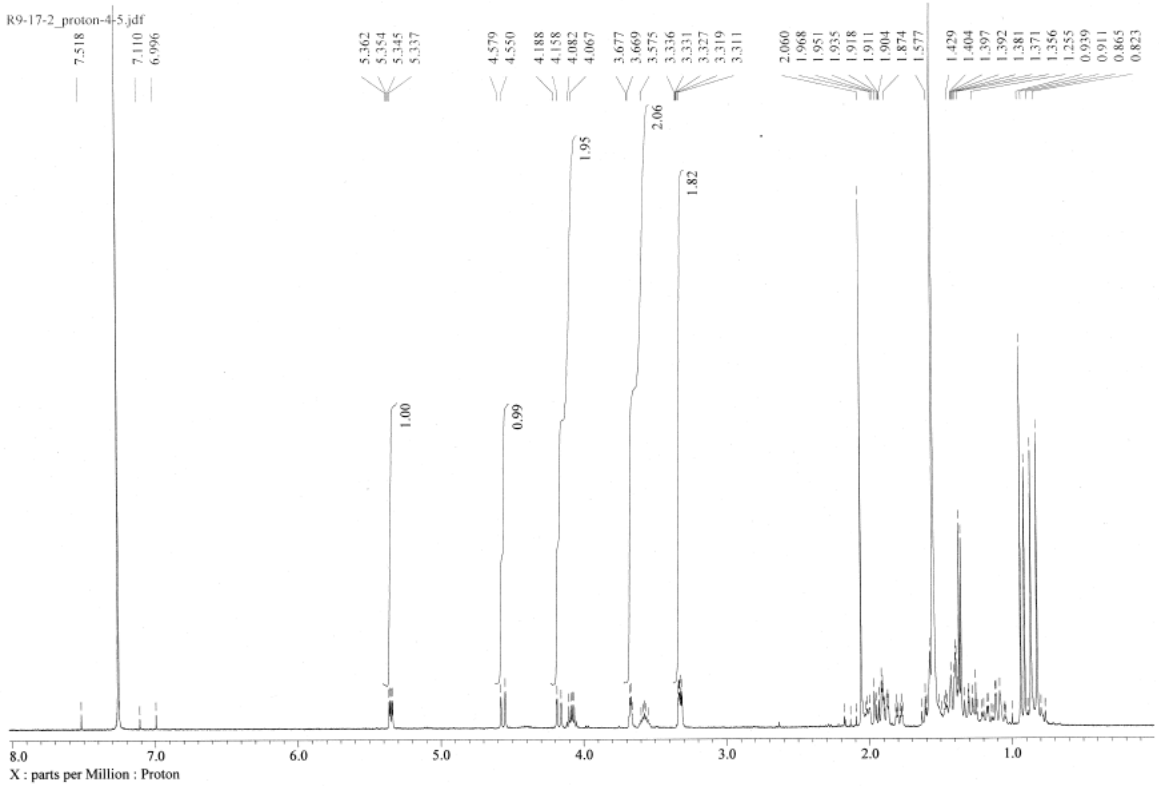
S23. ^{1}H-^{1}H COSY spectrum of compound **3** in $CDCl_3$.



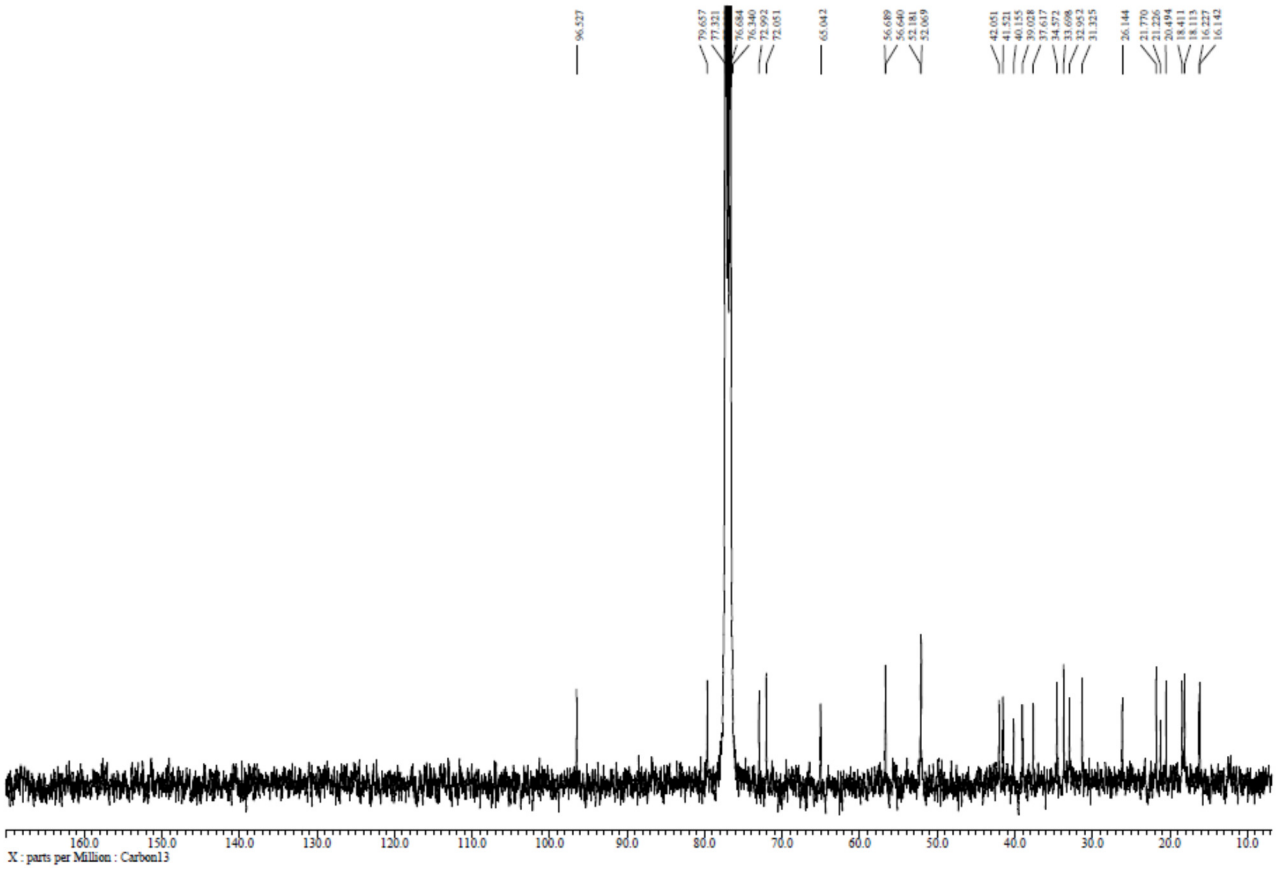
S24. NOESY spectrum of compound **3** in $CDCl_3$



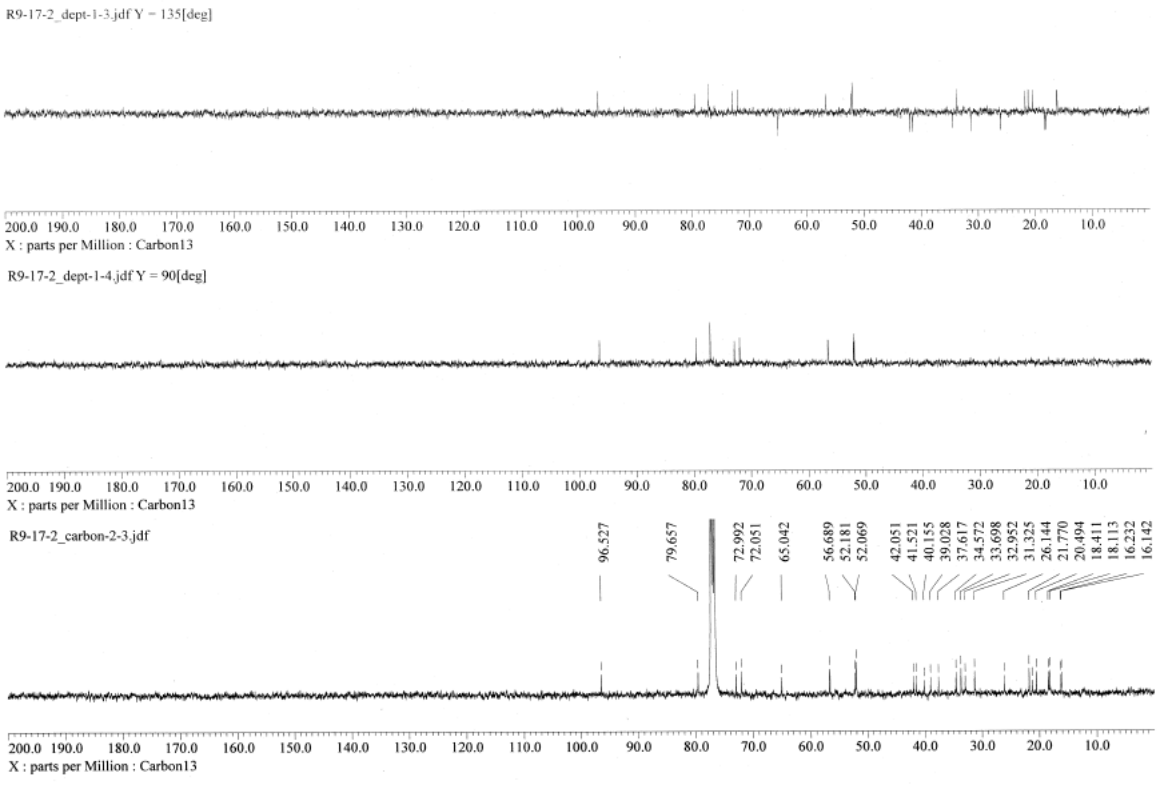
S25. HRESIMS spectrum of compound **4**.



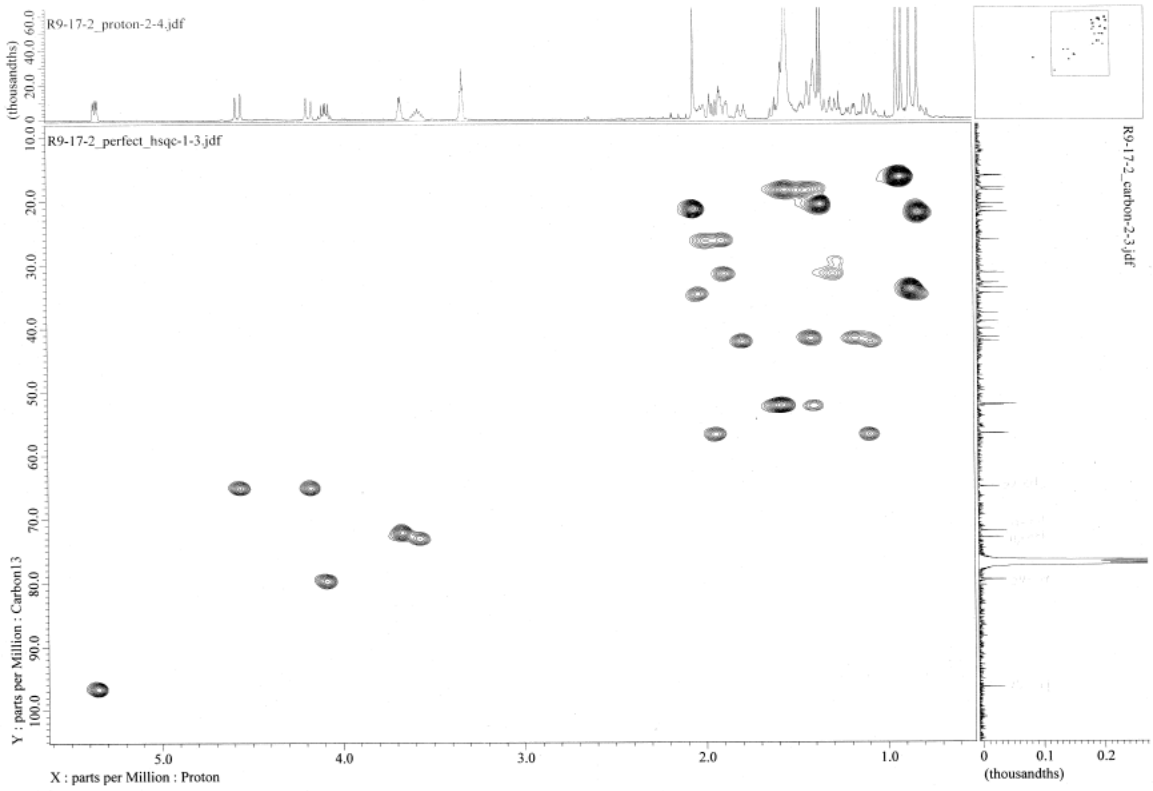
S26. ^{1}H NMR spectrum (400 MHz) of compound **4** in $CDCl_3$.



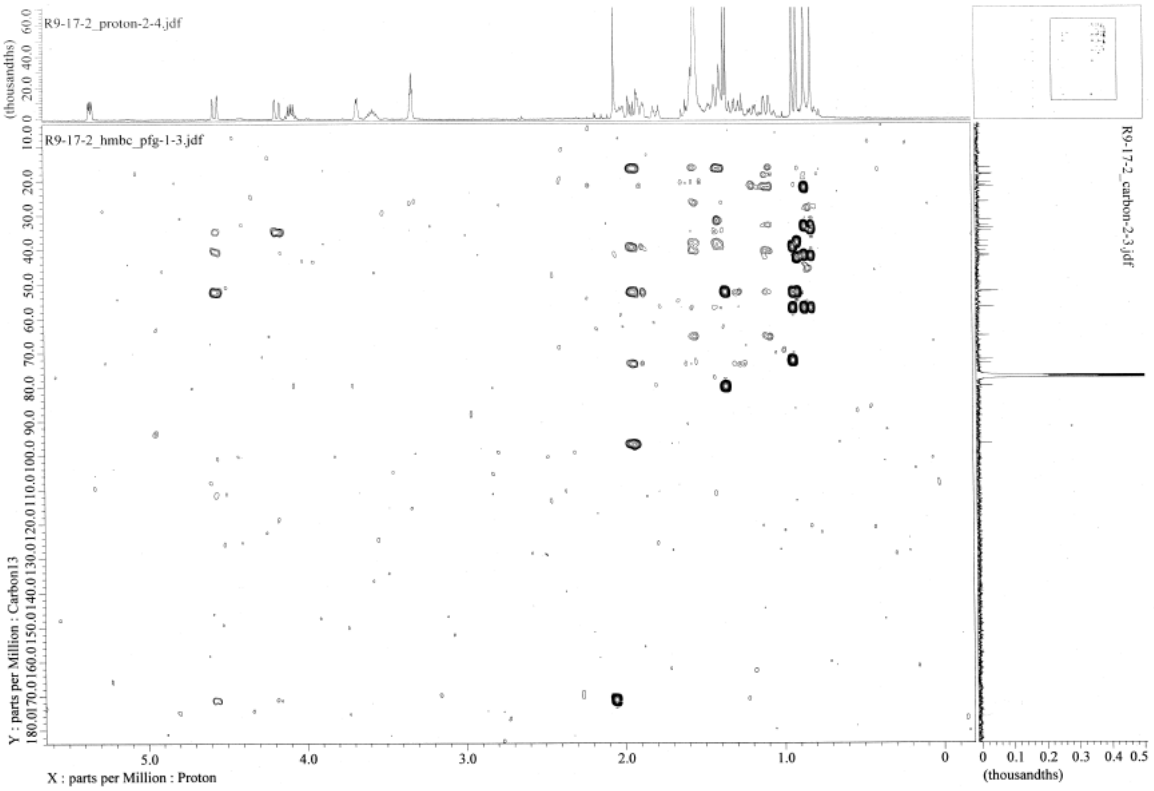
S27. ^{13}C NMR spectrum (100 MHz) of compound **4** in $CDCl_3$.



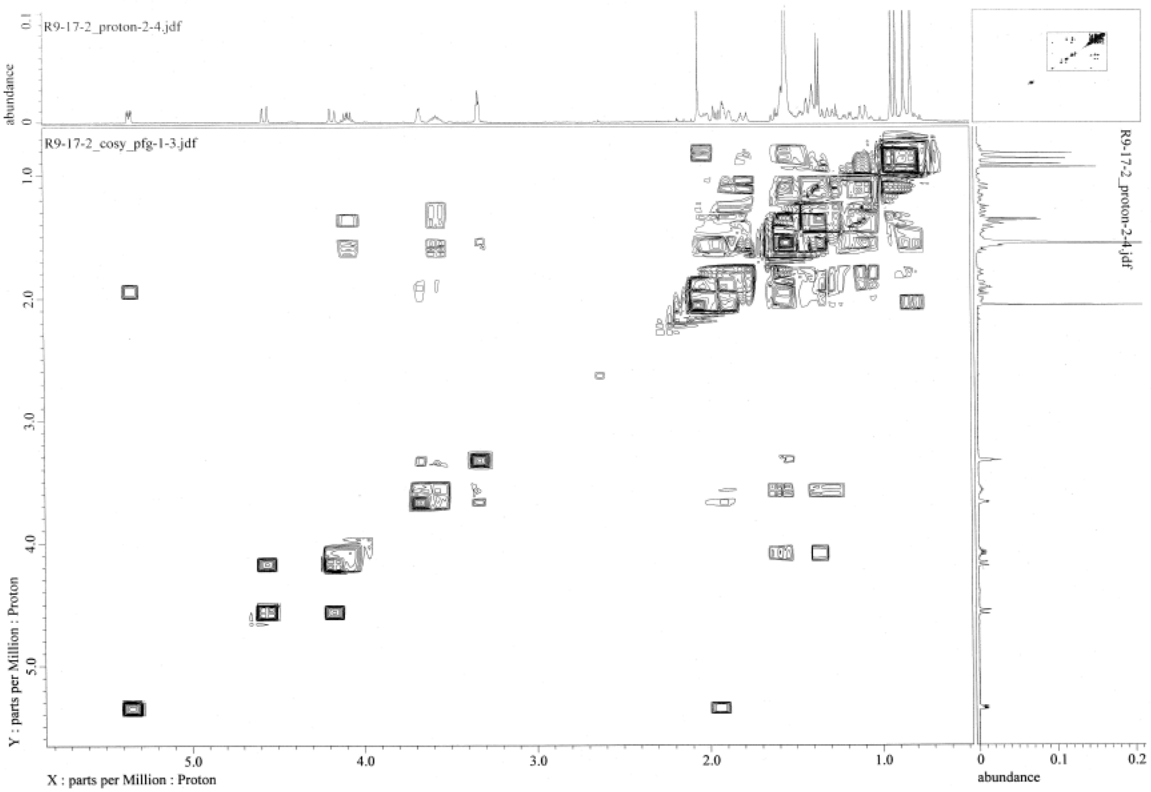
S28. DEPT spectrum (100 MHz) of compound **4** in $CDCl_3$.



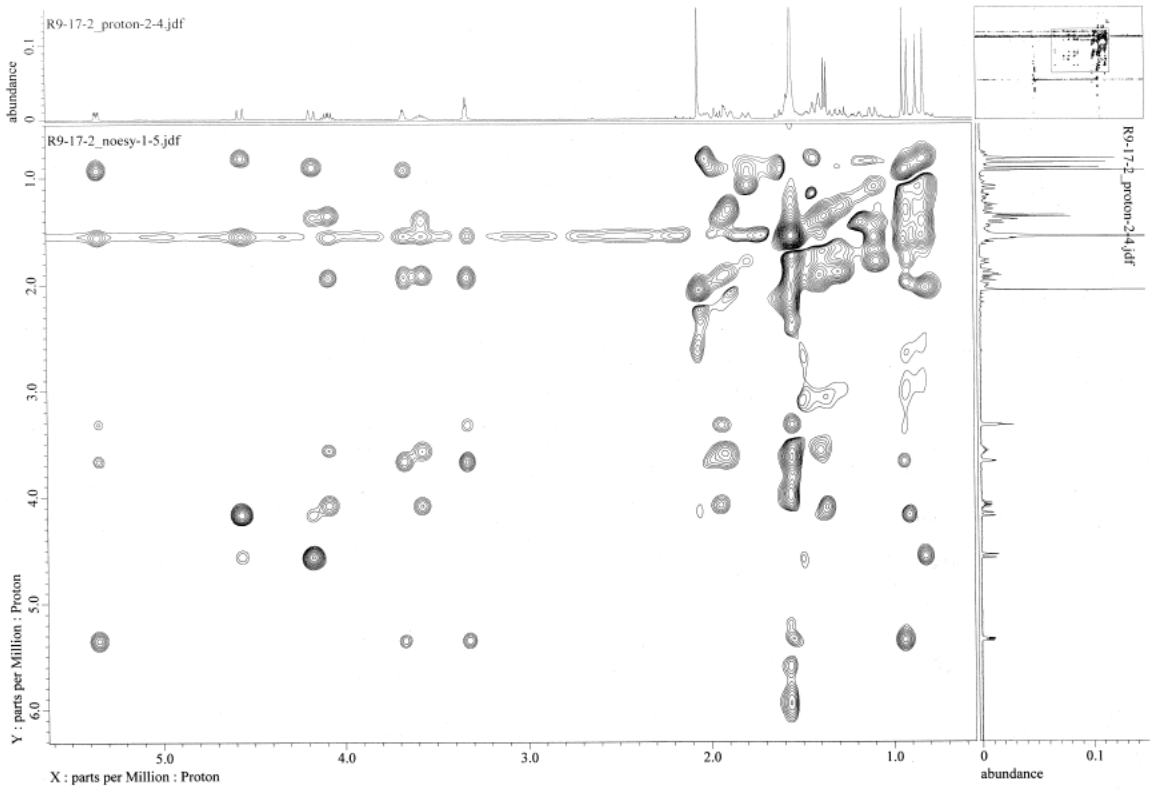
S29. HSQC spectrum of compound **4** in $CDCl_3$.



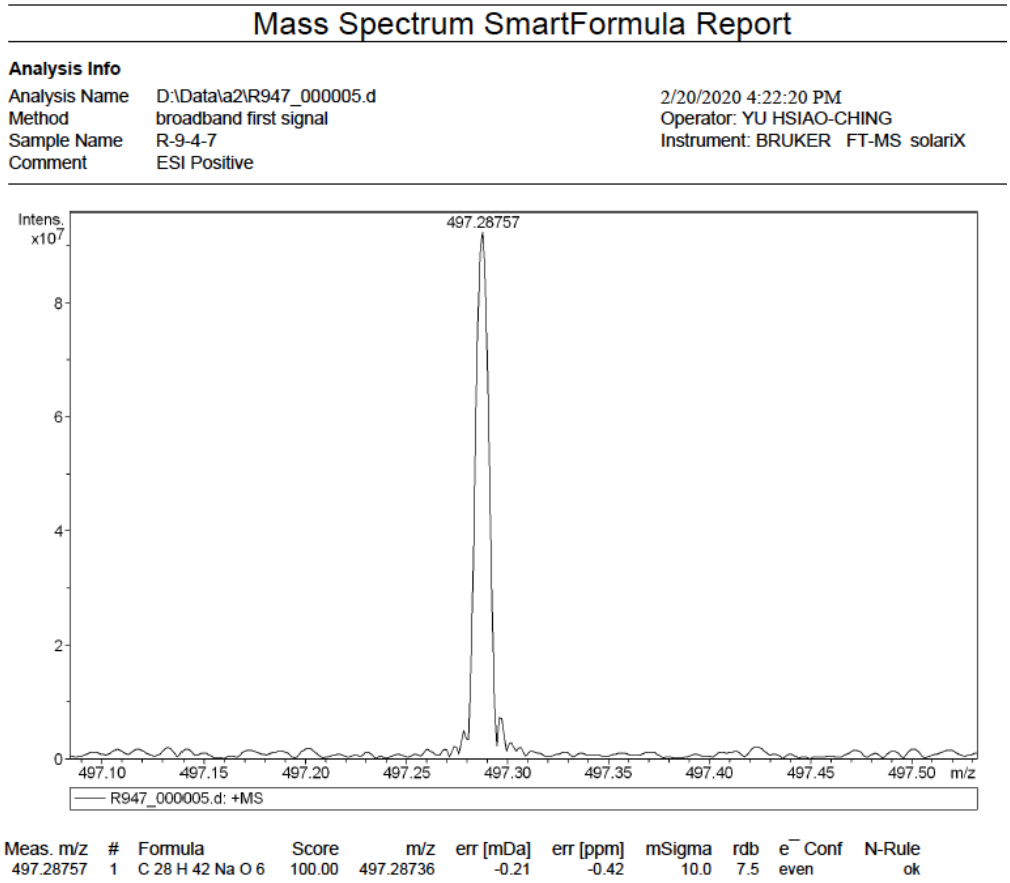
S30. HMBC spectrum of compound **4** in $CDCl_3$.



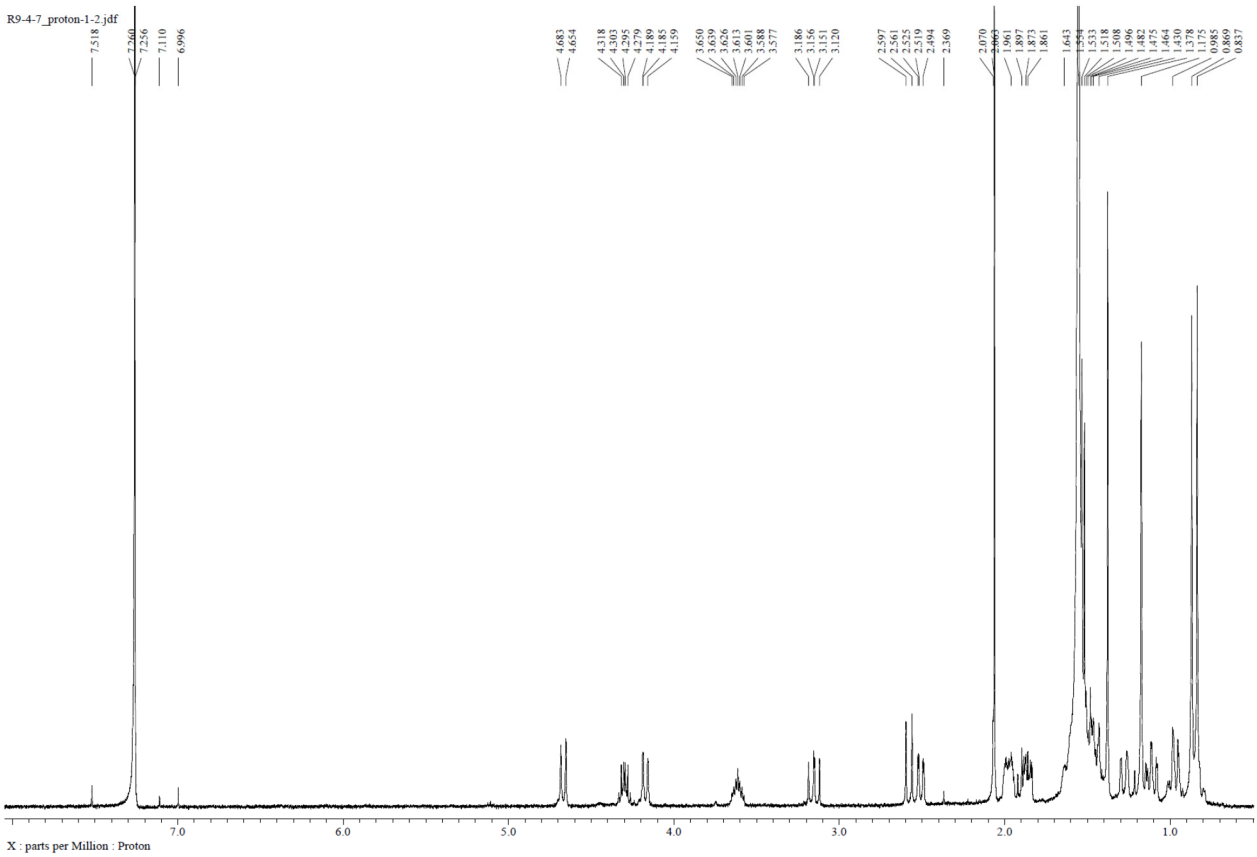
S31. ^{1}H-^{1}H COSY spectrum of compound **4** in $CDCl_3$.



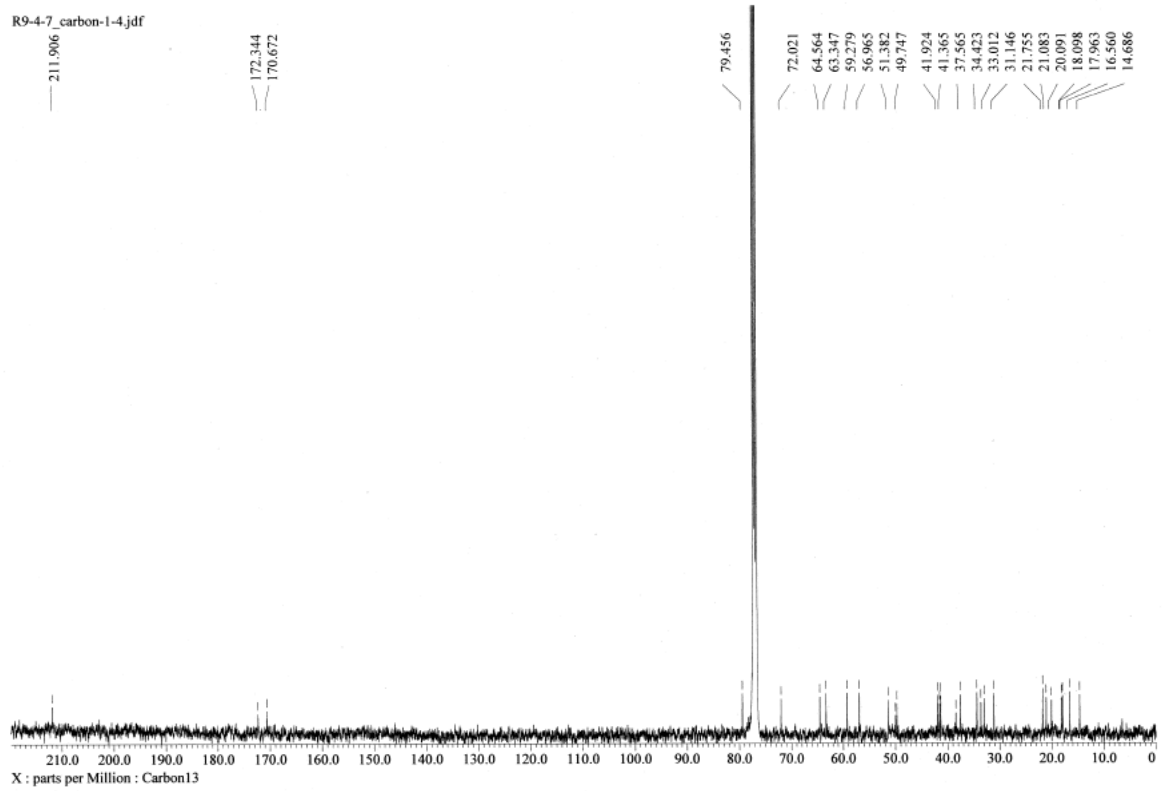
S32. NOESY spectrum of compound **4** in $CDCl_3$



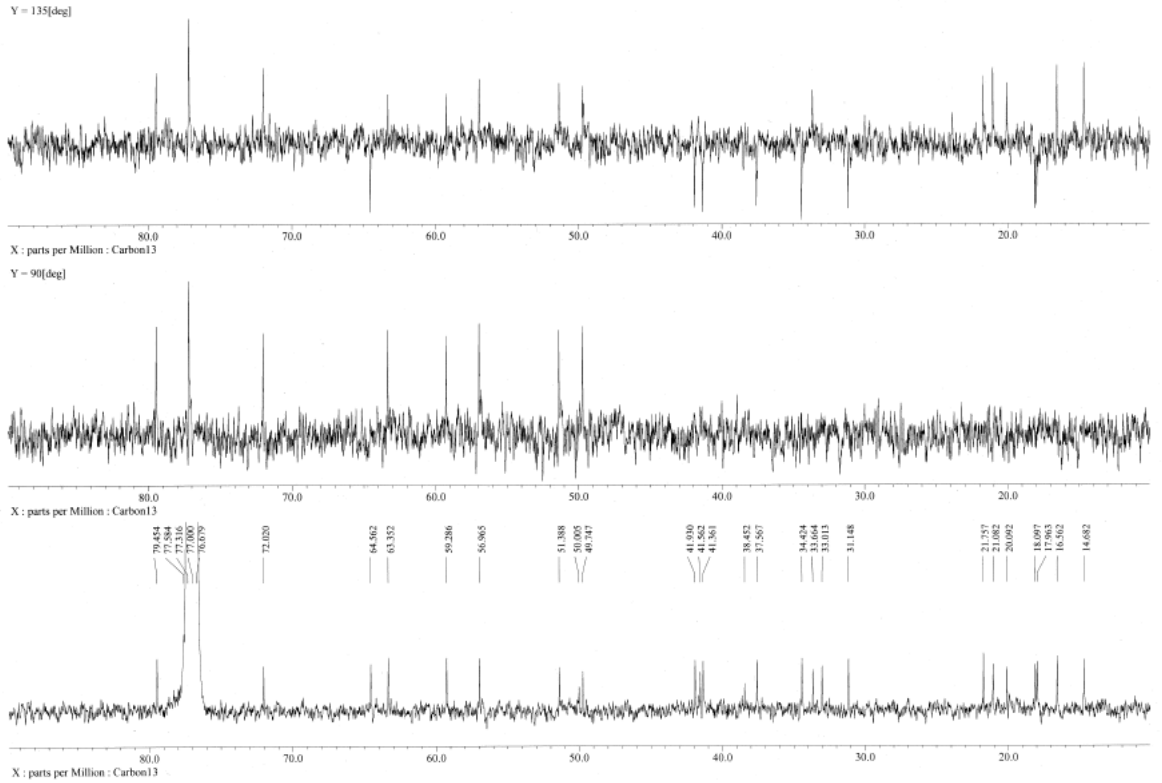
S33. HRESIMS spectrum of compound **5**.



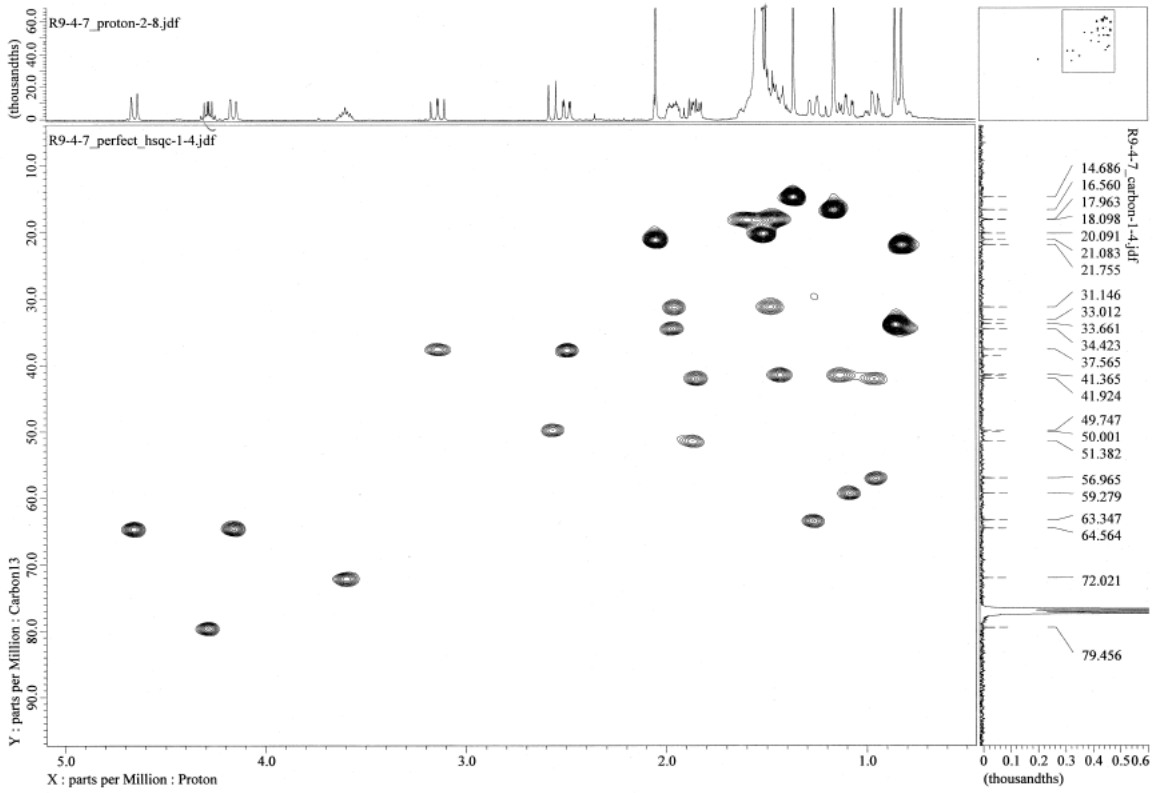
S34. ^{1}H NMR spectrum (400 MHz) of compound **5** in $CDCl_3$.



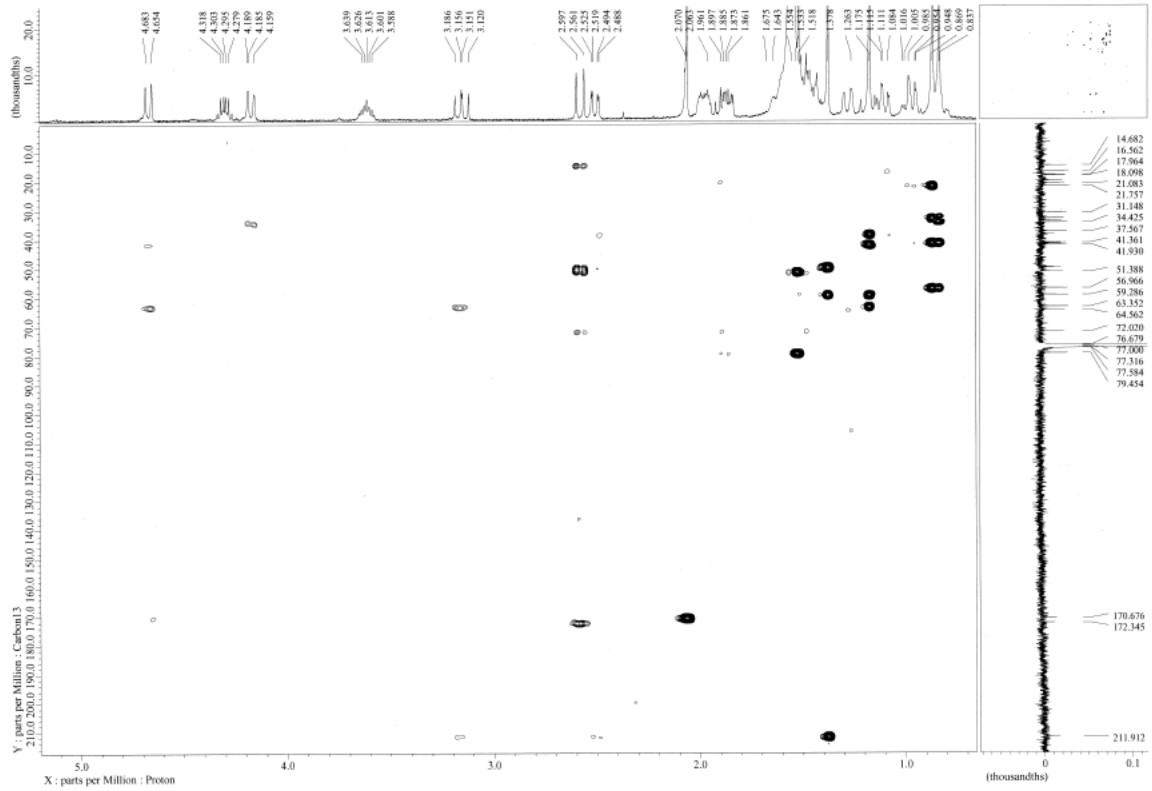
S35. ^{13}C NMR spectrum (100 MHz) of compound **5** in $CDCl_3$.



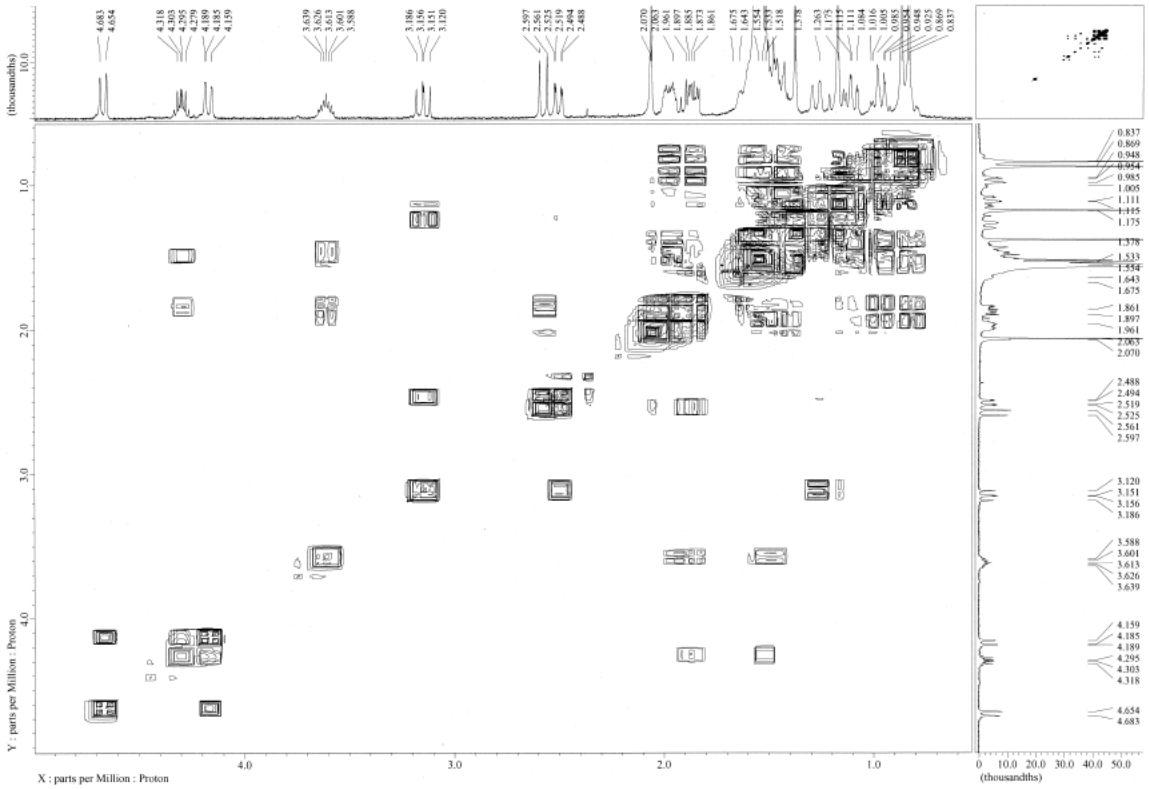
S36. DEPT spectrum (100 MHz) of compound **5** in $CDCl_3$.



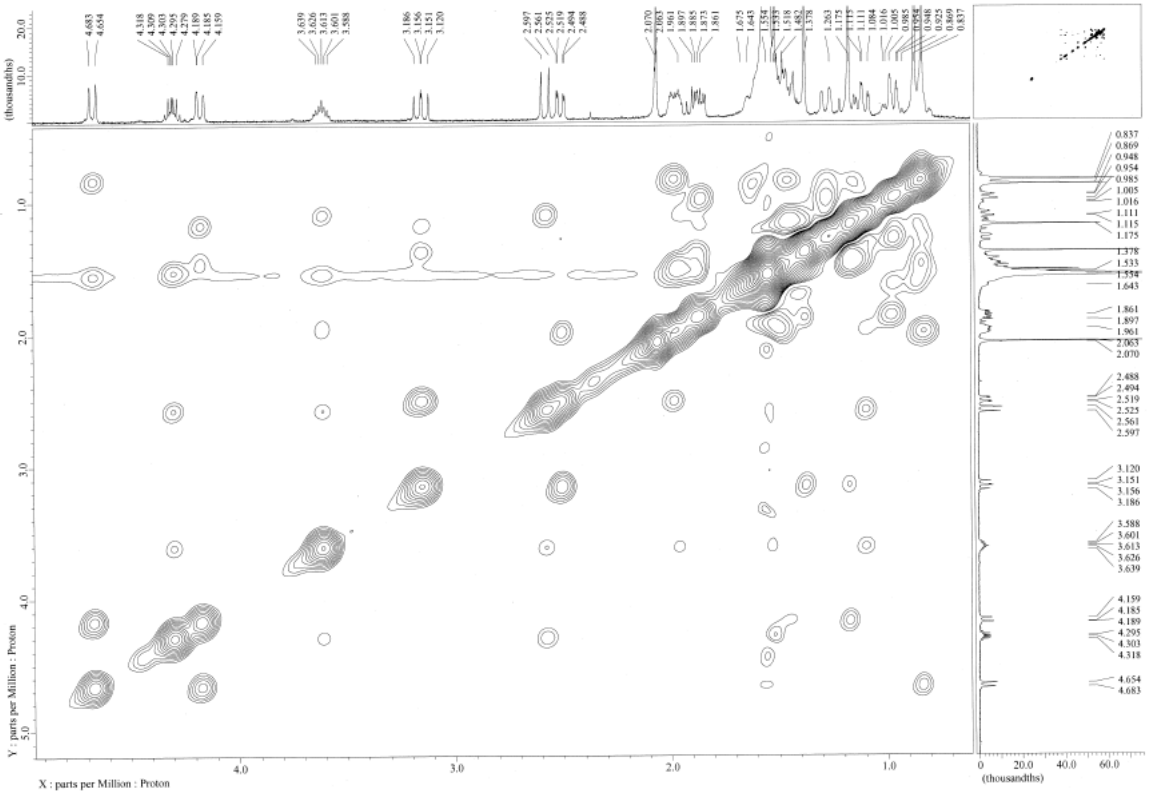
S37. HSQC spectrum of compound **5** in $CDCl_3$.



S38. HMBC spectrum of compound **5** in $CDCl_3$.



S39. ^{1}H-^{1}H COSY spectrum of compound **5** in $CDCl_3$.

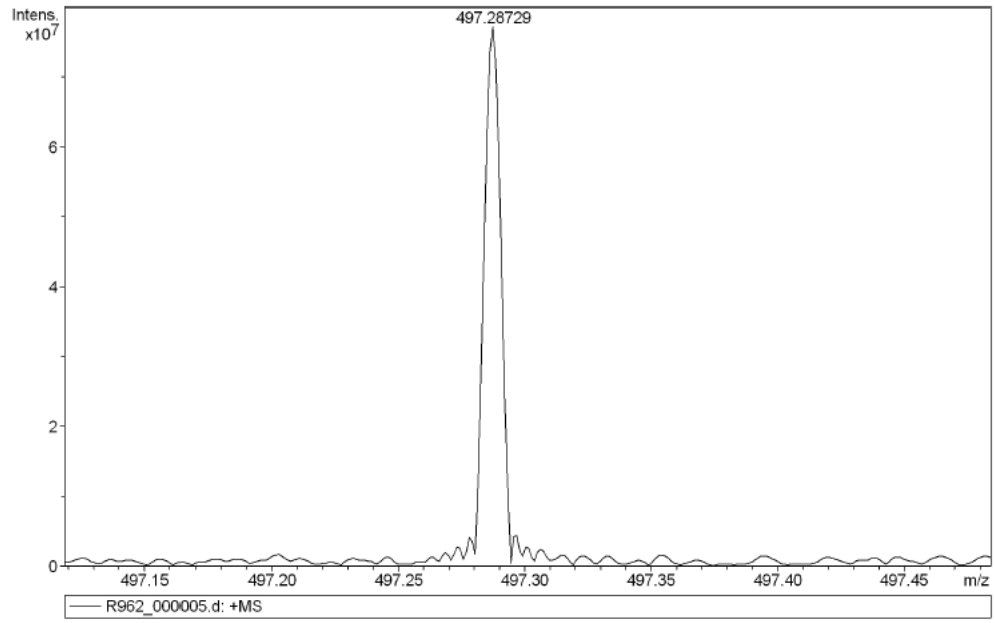


S40. NOESY spectrum of compound **5** in $CDCl_3$

Mass Spectrum SmartFormula Report

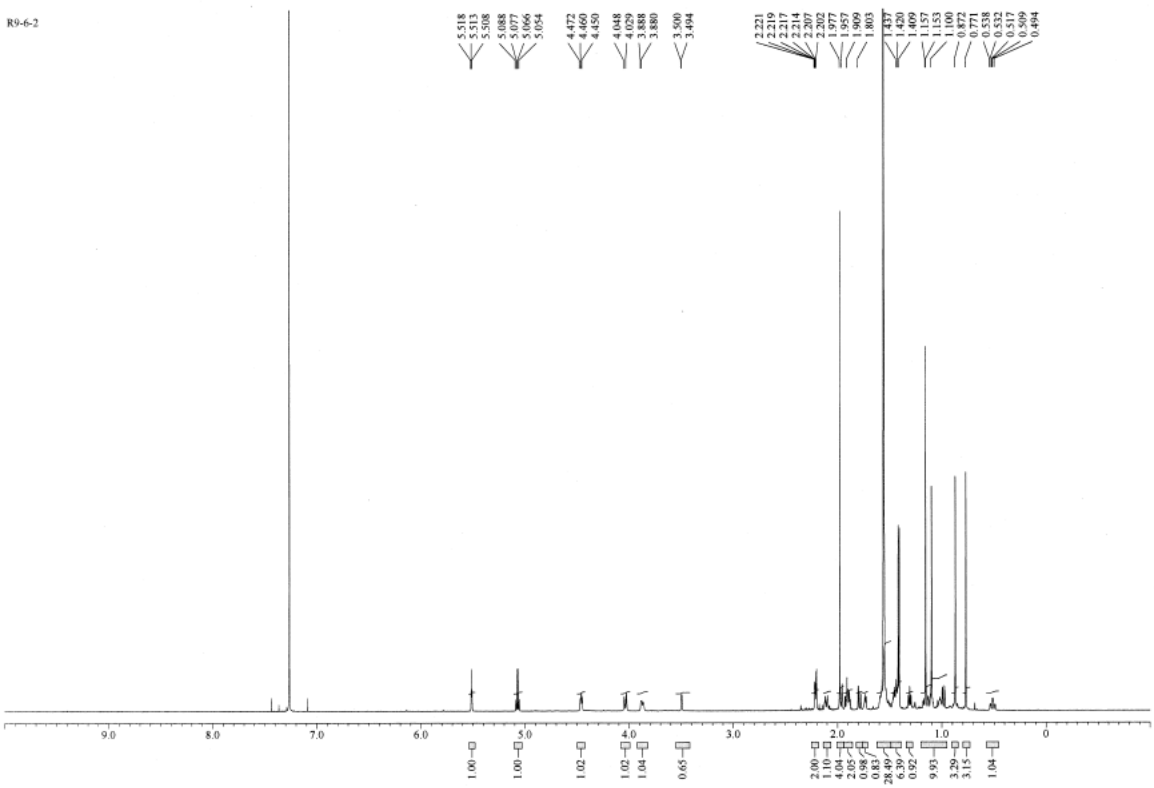
Analysis Info

Analysis Name	D:\Data\a2\R962_000005.d	1/7/2020 3:35:14 PM	
Method	broadband first signal	Operator: YU HSIAO-CHING	
Sample Name	R-9-6-2	Instrument: BRUKER FT-MS solariX	
Comment	ESI Positive		

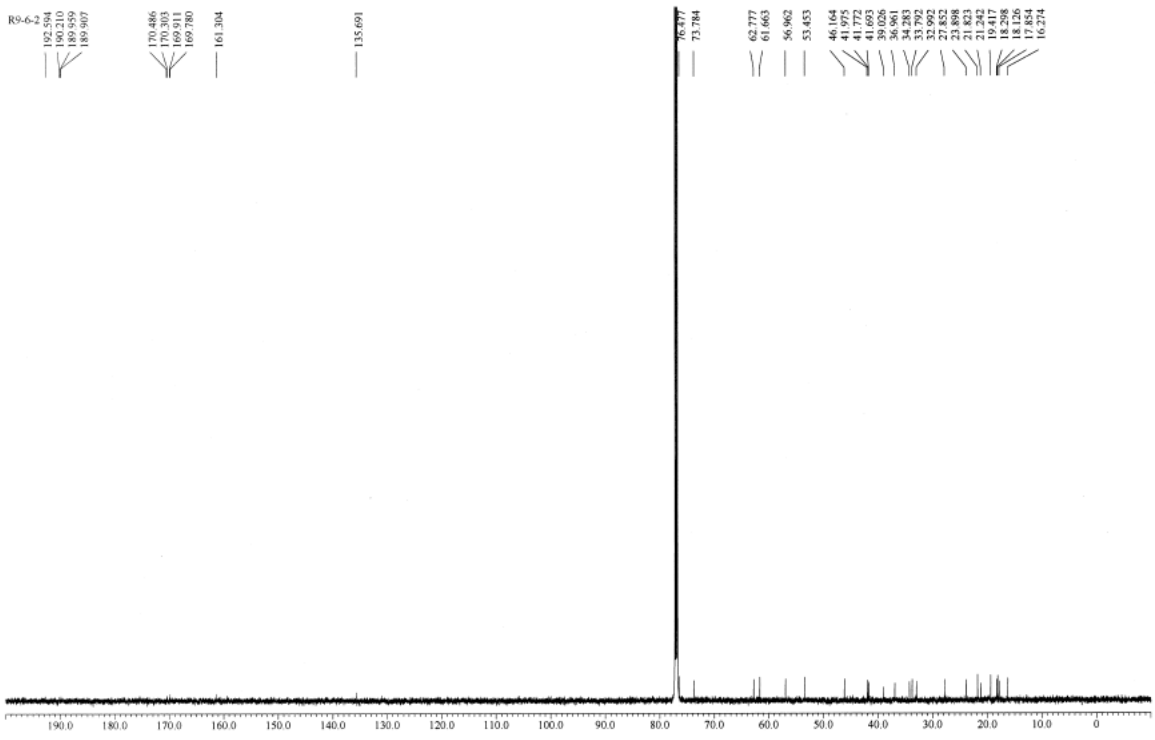


Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e⁻ Conf	N-Rule
497.28729	1	C 28 H 42 Na O 6	100.00	497.28736	0.07	0.13	9.6	7.5	even	ok

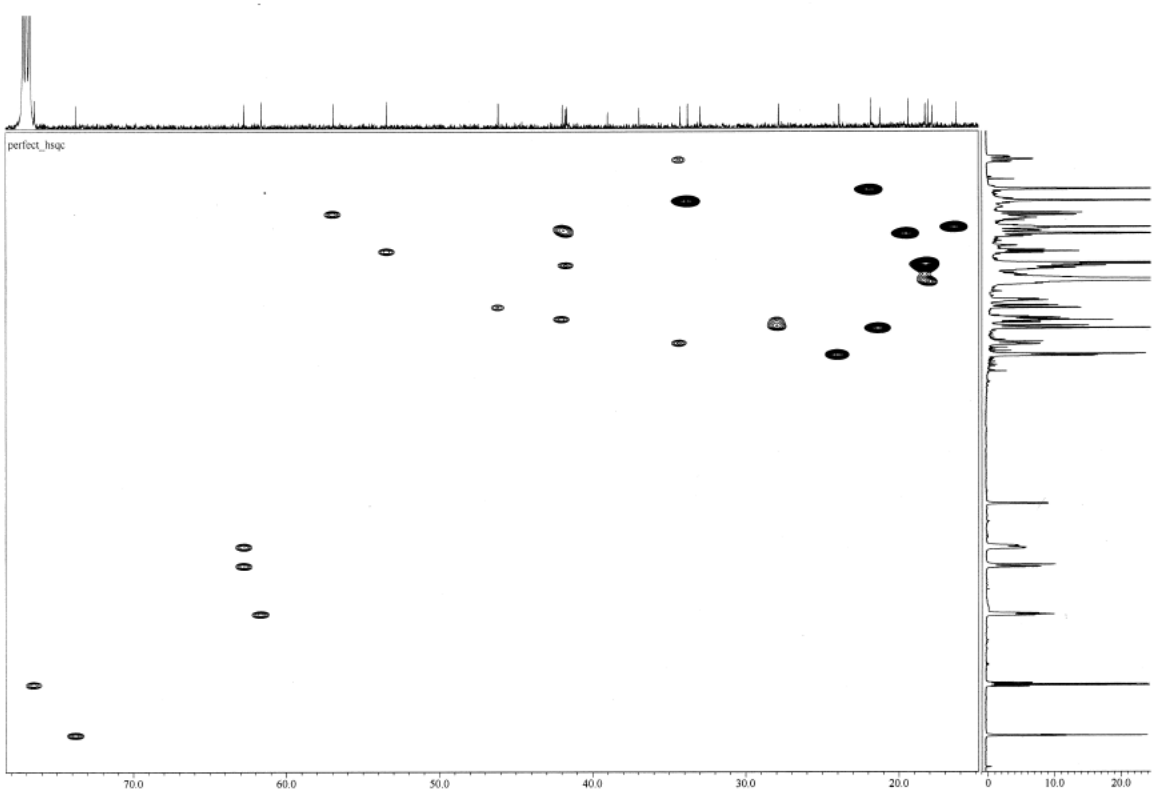
S41. HRESIMS spectrum of compound **6**.



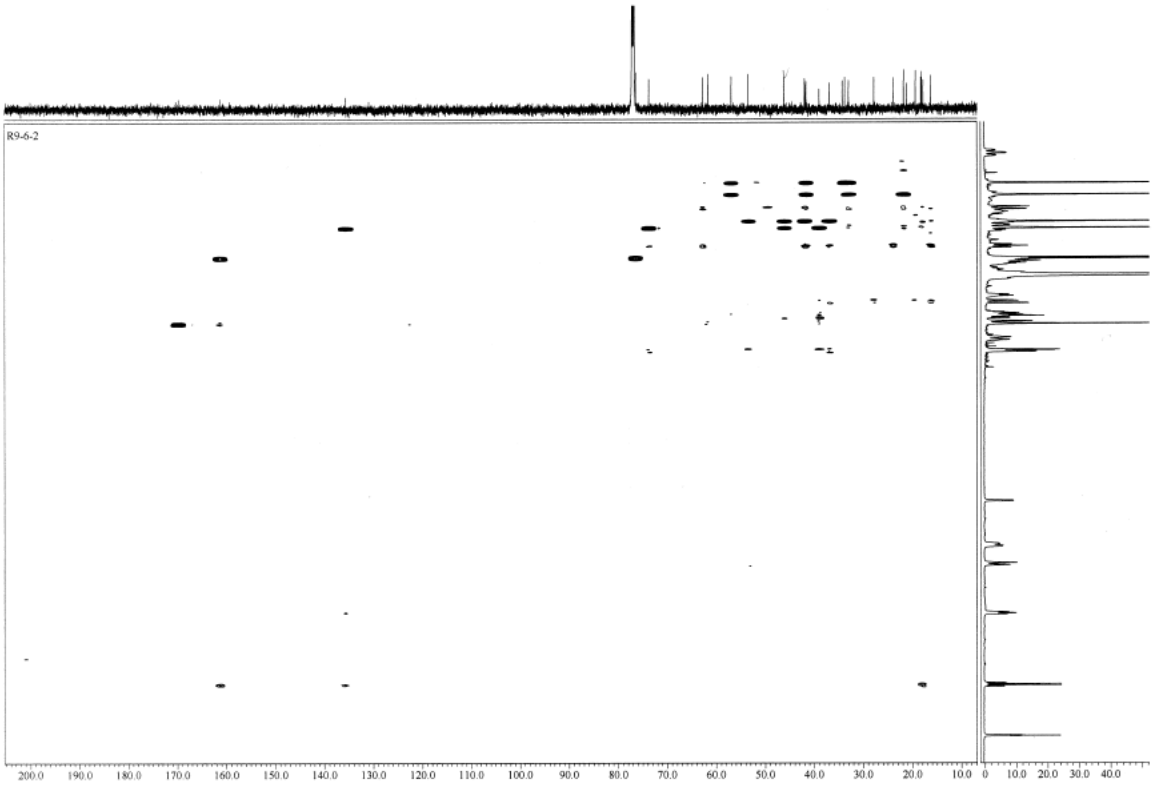
S42. ^{1}H NMR spectrum (600 MHz) of compound **6** in $CDCl_3$.



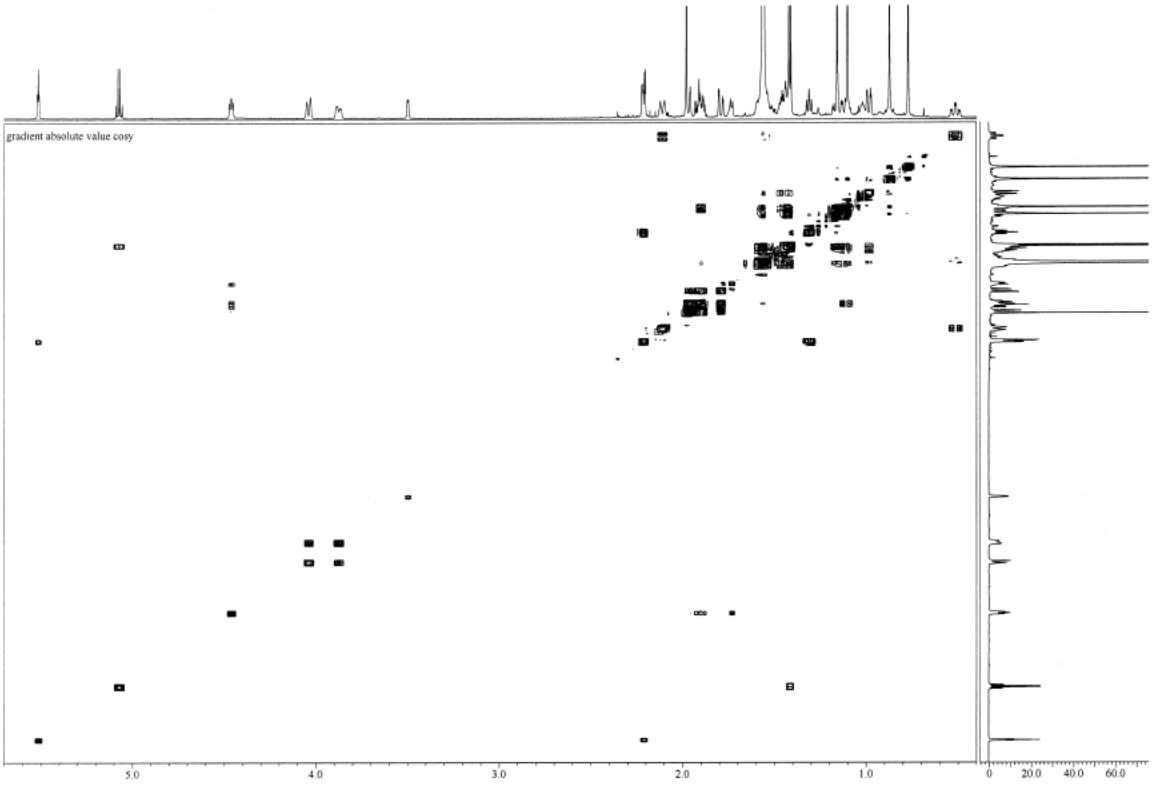
S43. ^{13}C NMR spectrum (150 MHz) of compound **6** in $CDCl_3$.



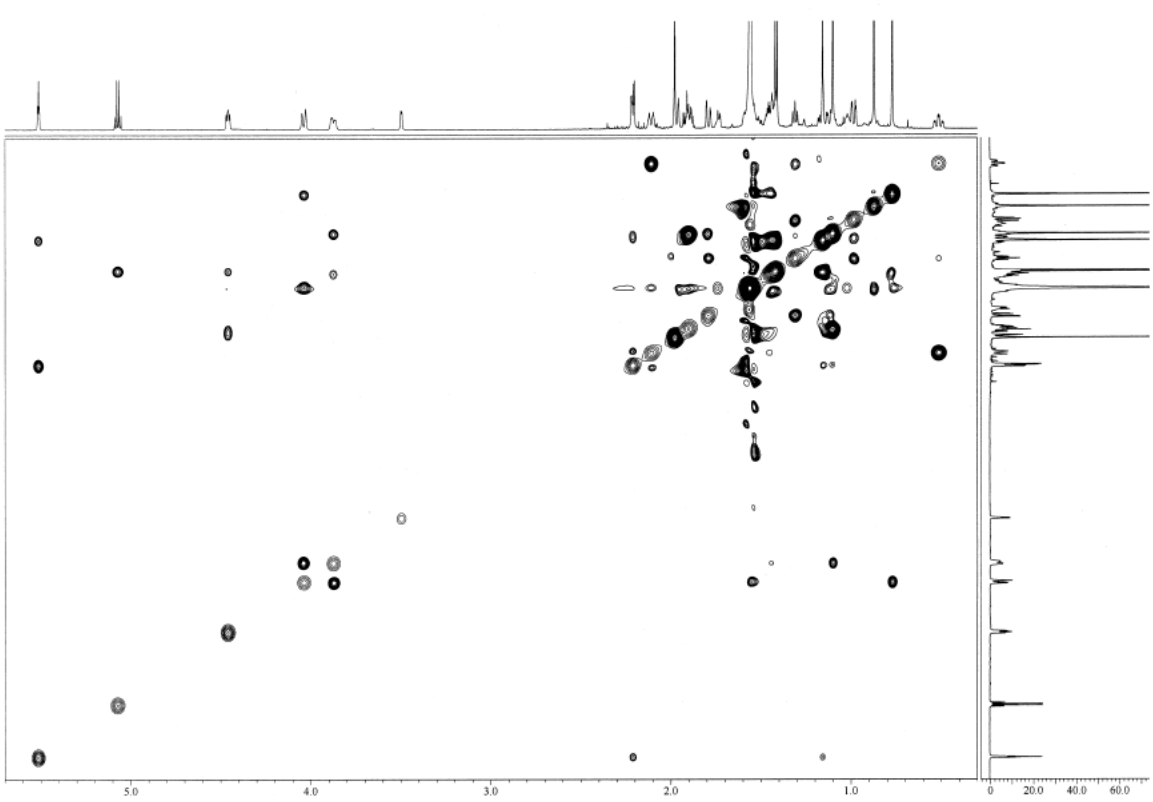
S44. HSQC spectrum of compound **6** in $CDCl_3$.



S45. HMBC spectrum of compound **6** in $CDCl_3$.



S46. ^{1}H-^{1}H COSY spectrum of compound **6** in $CDCl_3$.



S47. NOESY spectrum of compound **6** in $CDCl_3$