Supporting Information

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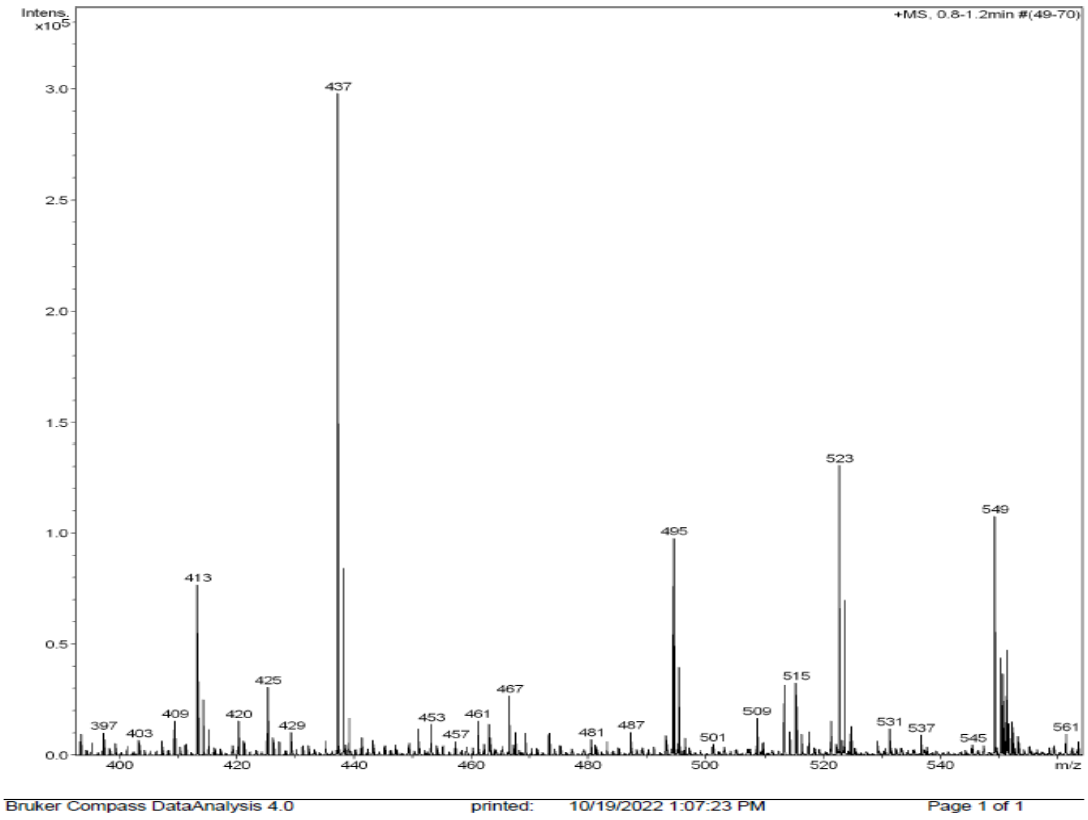
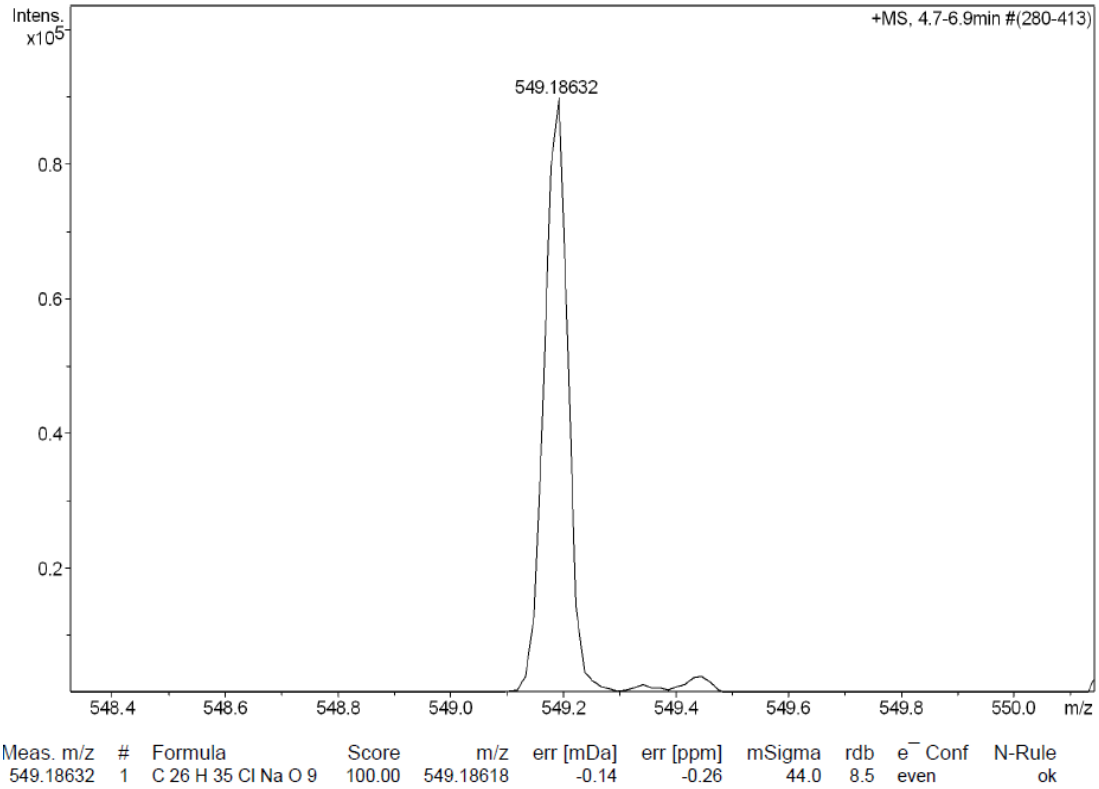
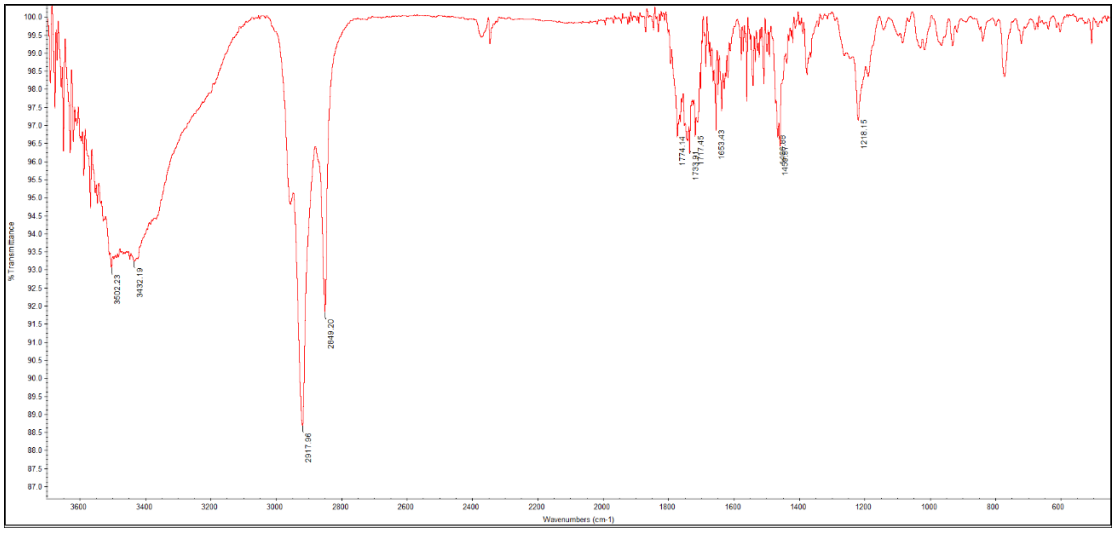


S1. ESIMS spectrum of compound **1**

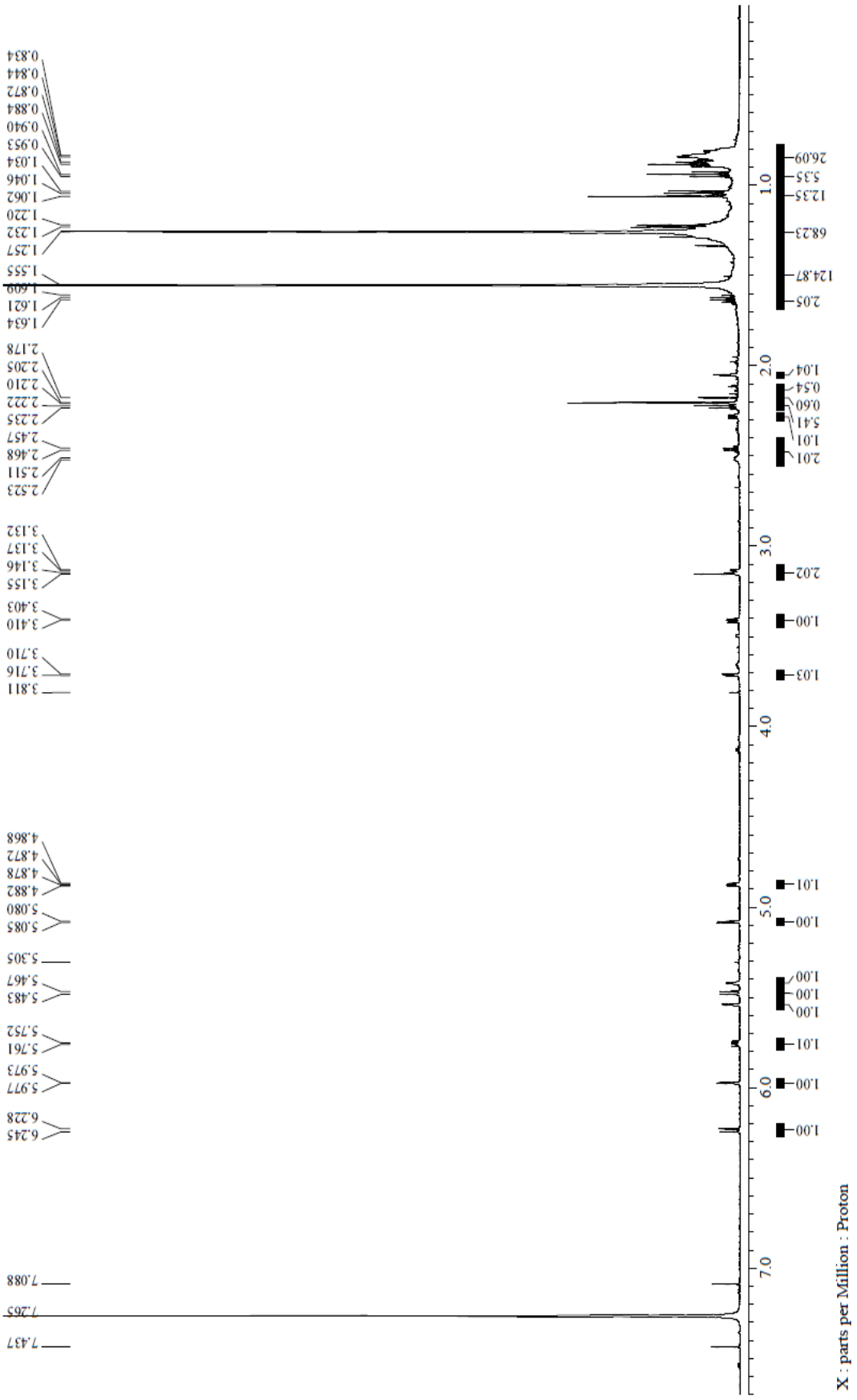


Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e⁻ Conf	N-Rule
549.18632	1	C 26 H 35 Cl Na O 9	100.00	549.18618	-0.14	-0.26	44.0	8.5	even	ok

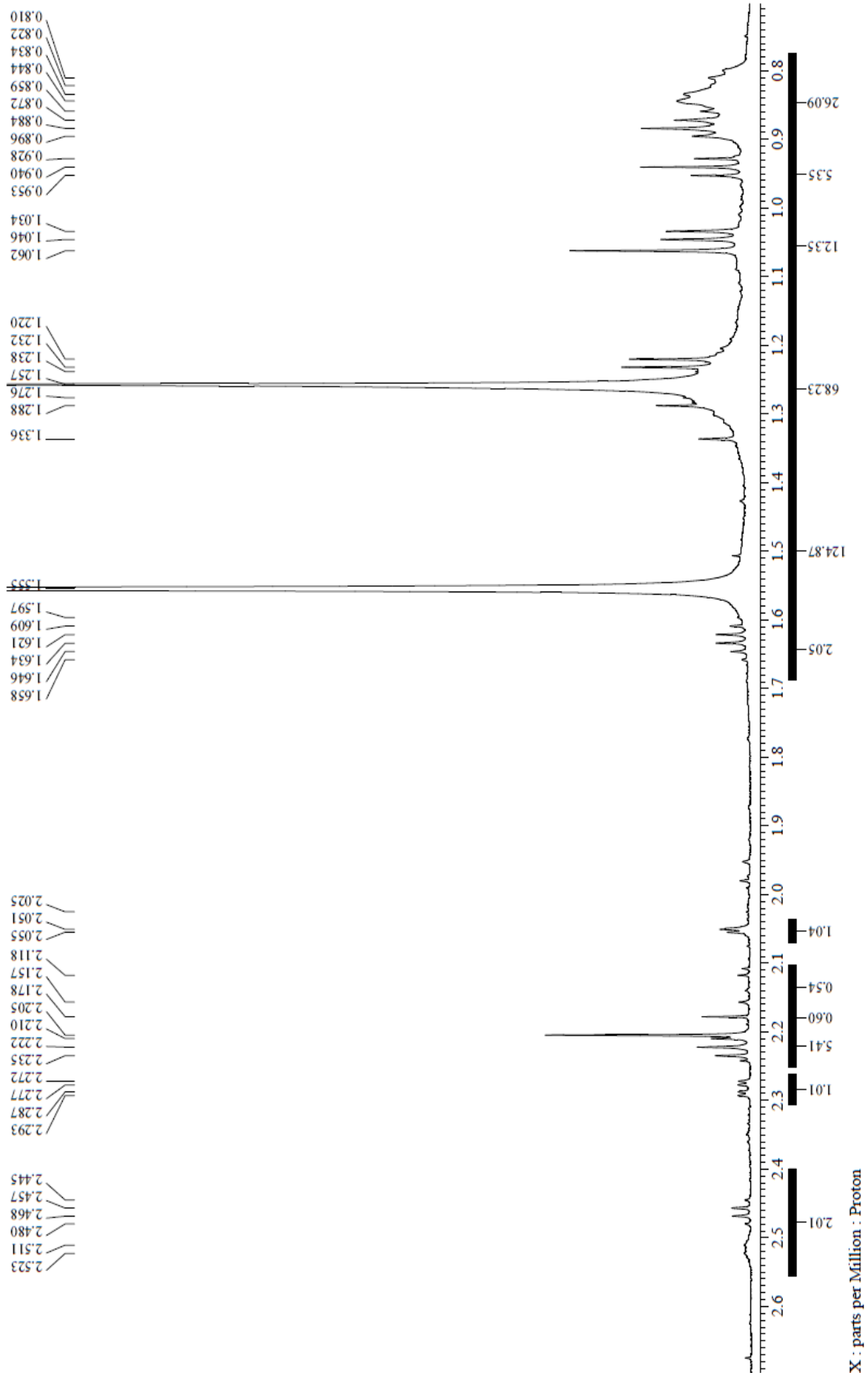
S2. HRESIMS spectrum of compound **1**



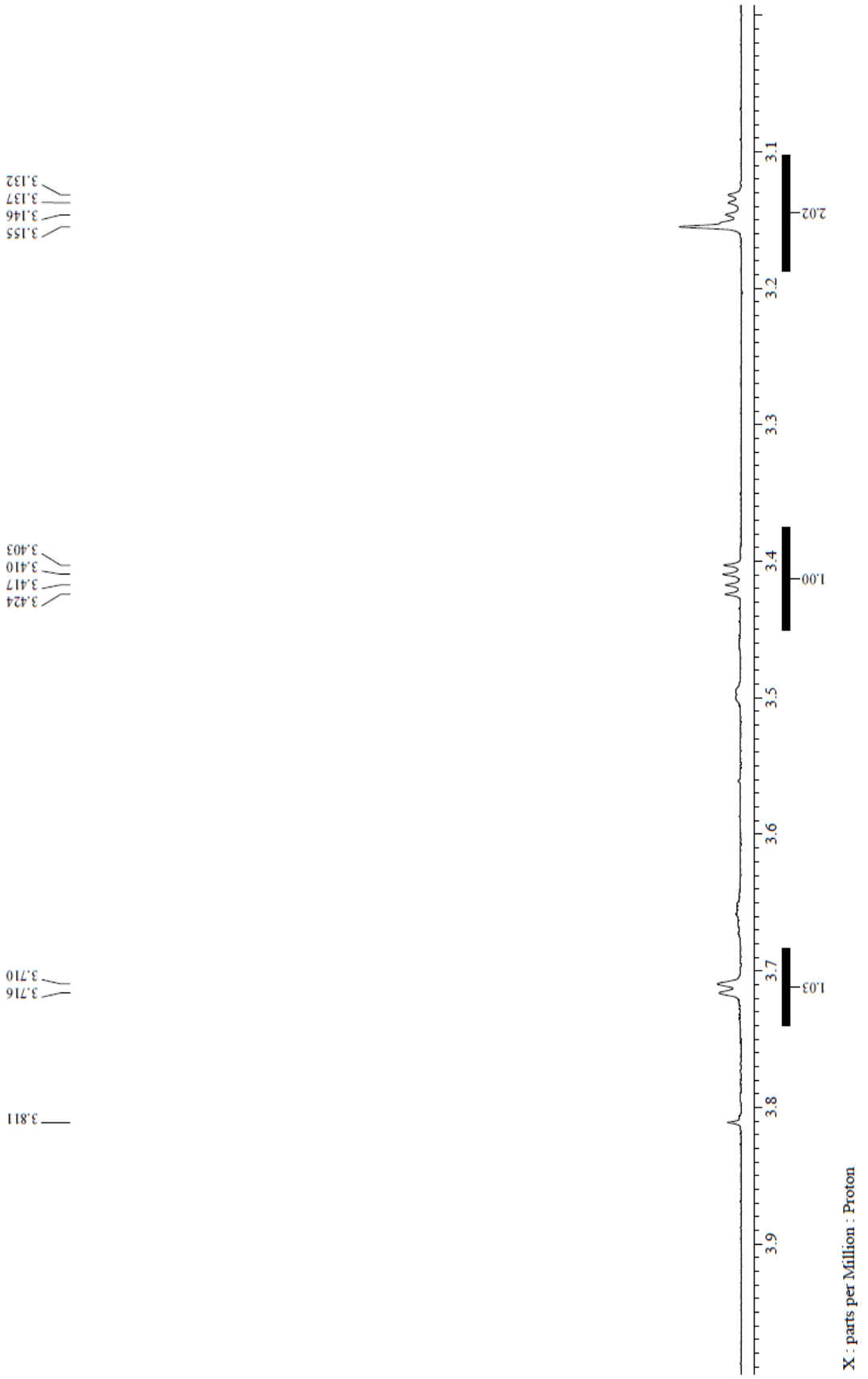
S3. IR spectrum of compound **1**



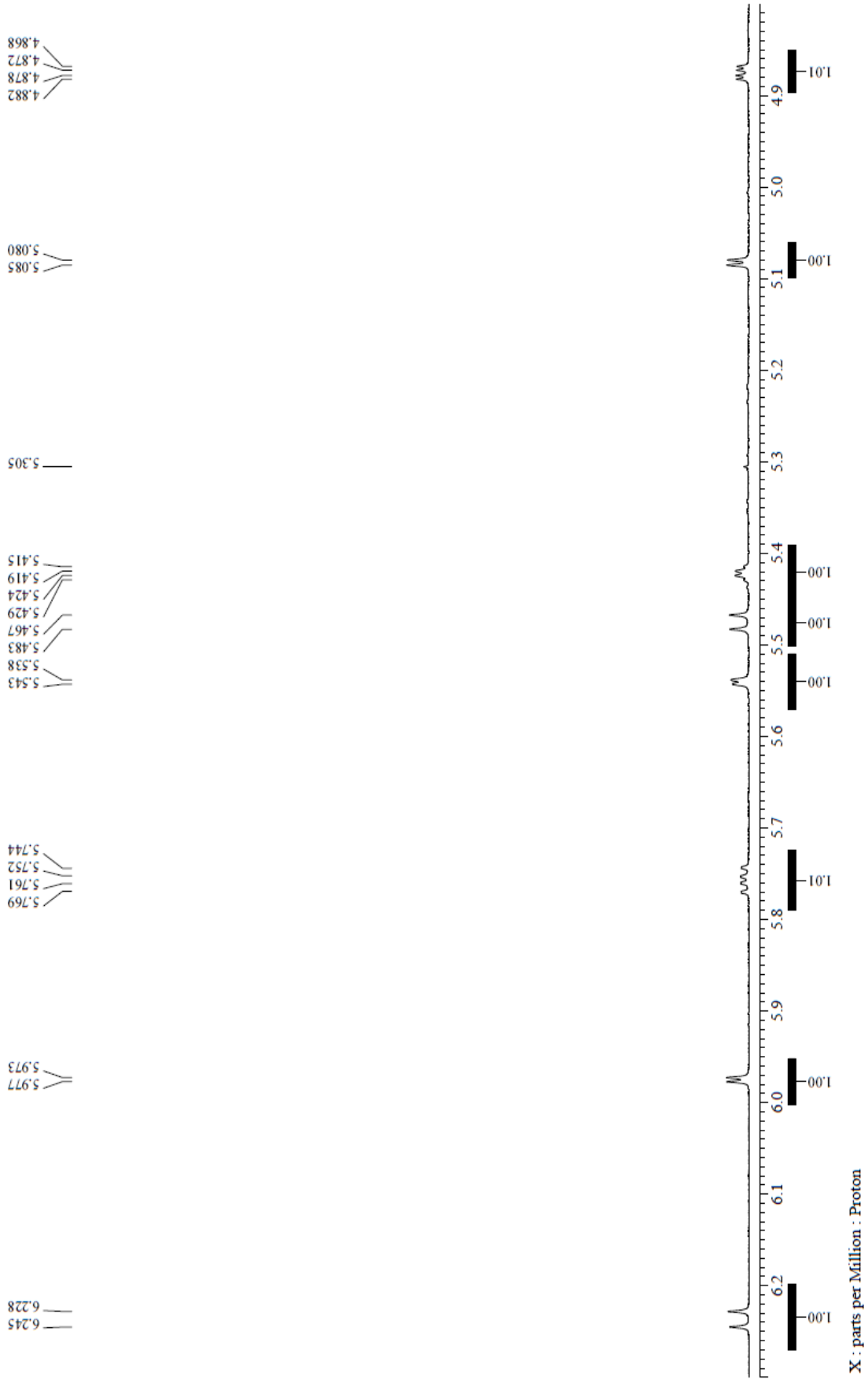
S4. ^{1}H NMR spectrum (600 MHz) of compound **1** in $CDCl_3$



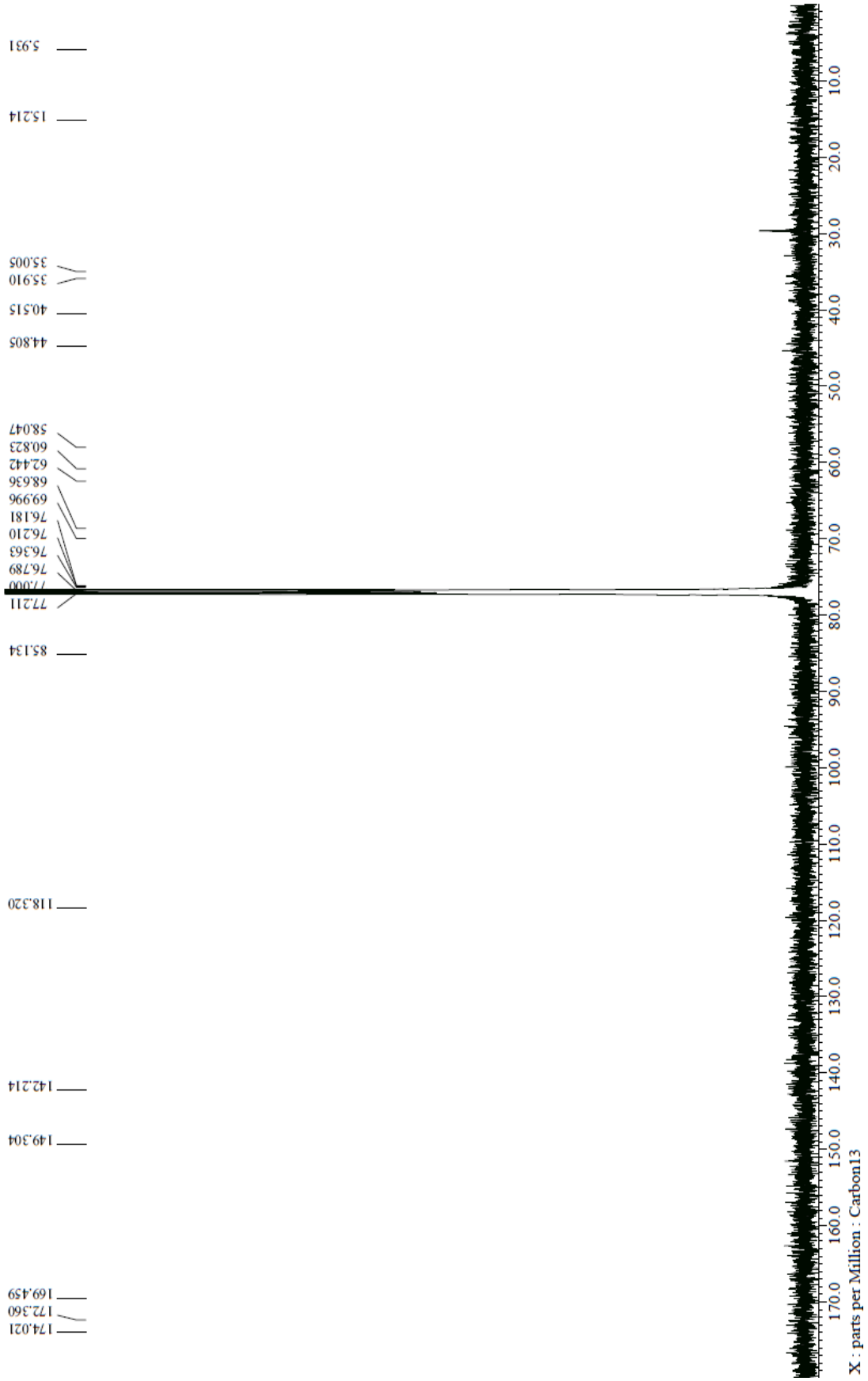
S5. Zoomed-in region of Figure S4 from 0.8-2.7 ppm



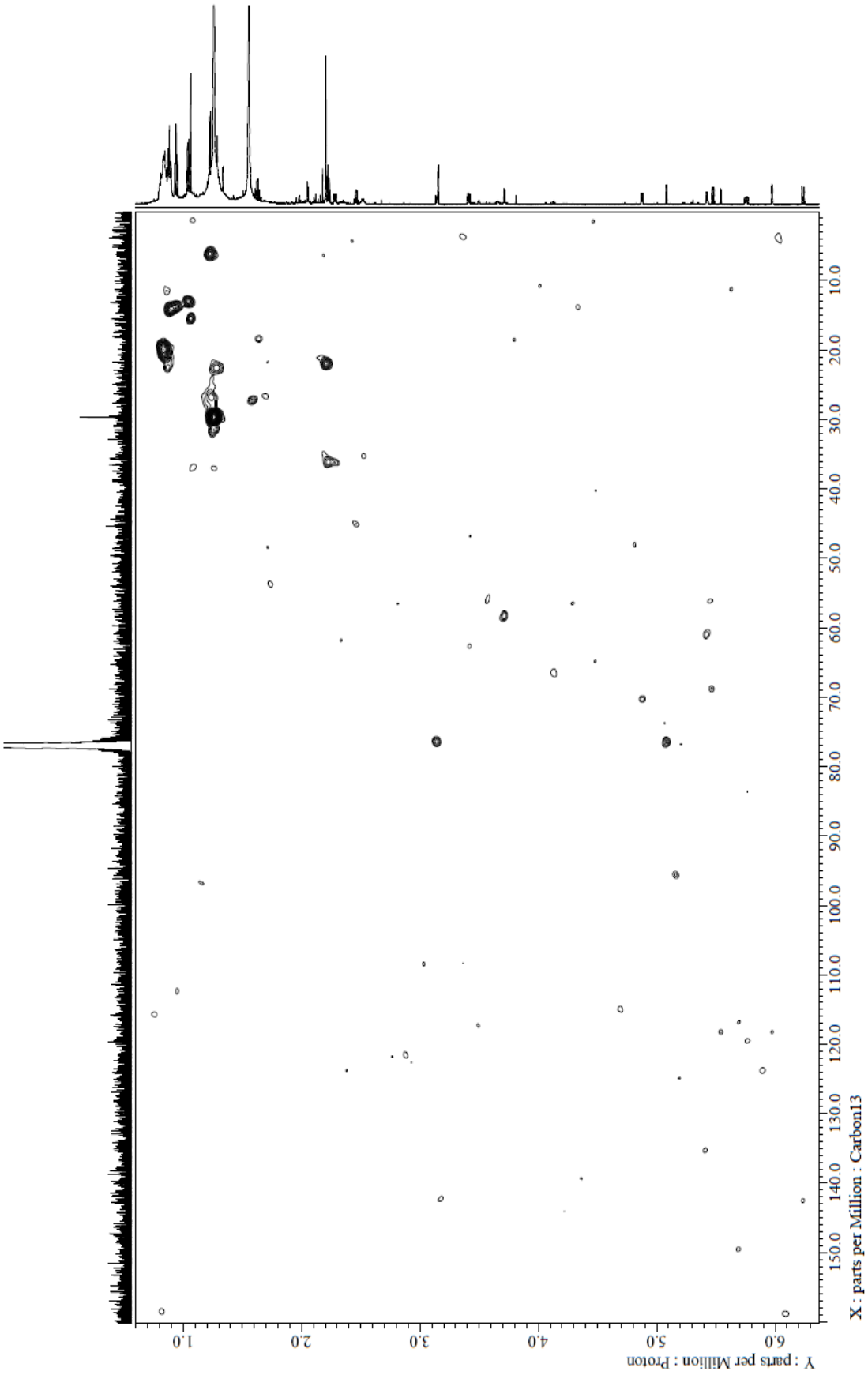
S6. Zoomed-in region of Figure S4 from 3.0-4.0 ppm



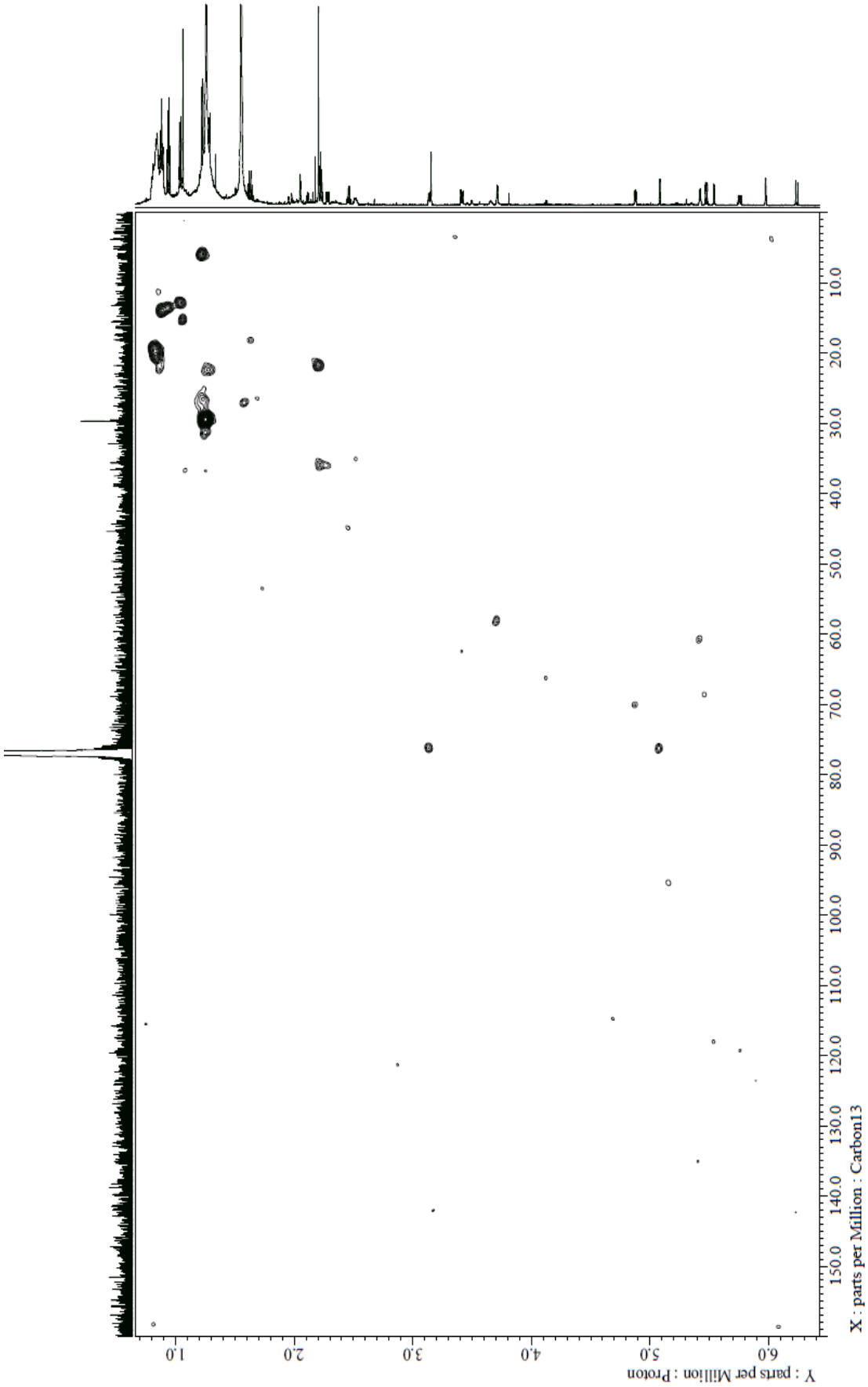
S7. Zoomed-in region of Figure S4 from 4.8-6.3 ppm



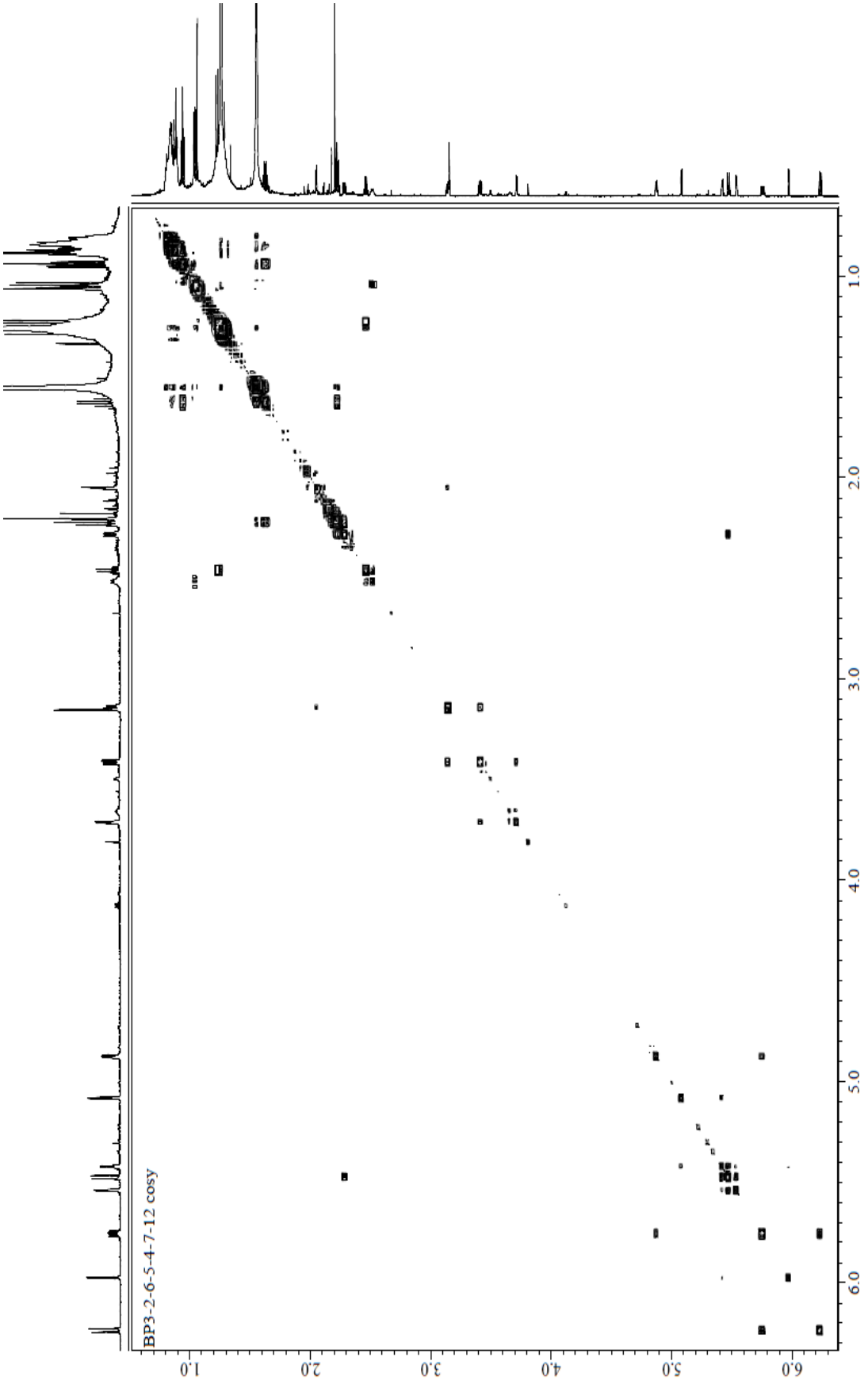
S8. ^{13}C NMR spectrum (150 MHz) of compound **1** in $CDCl_3$



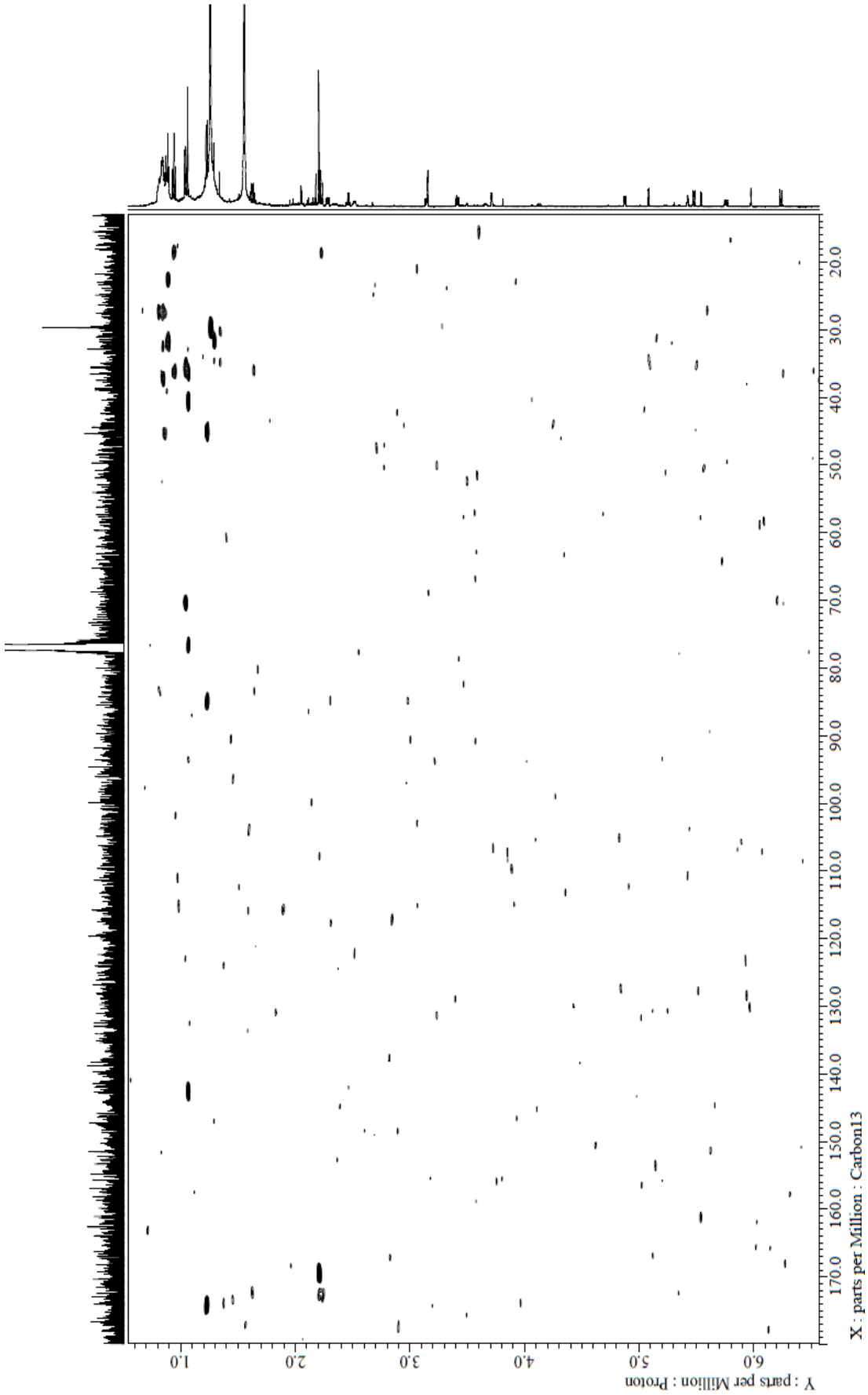
S9. HSQC spectrum of compound **1**



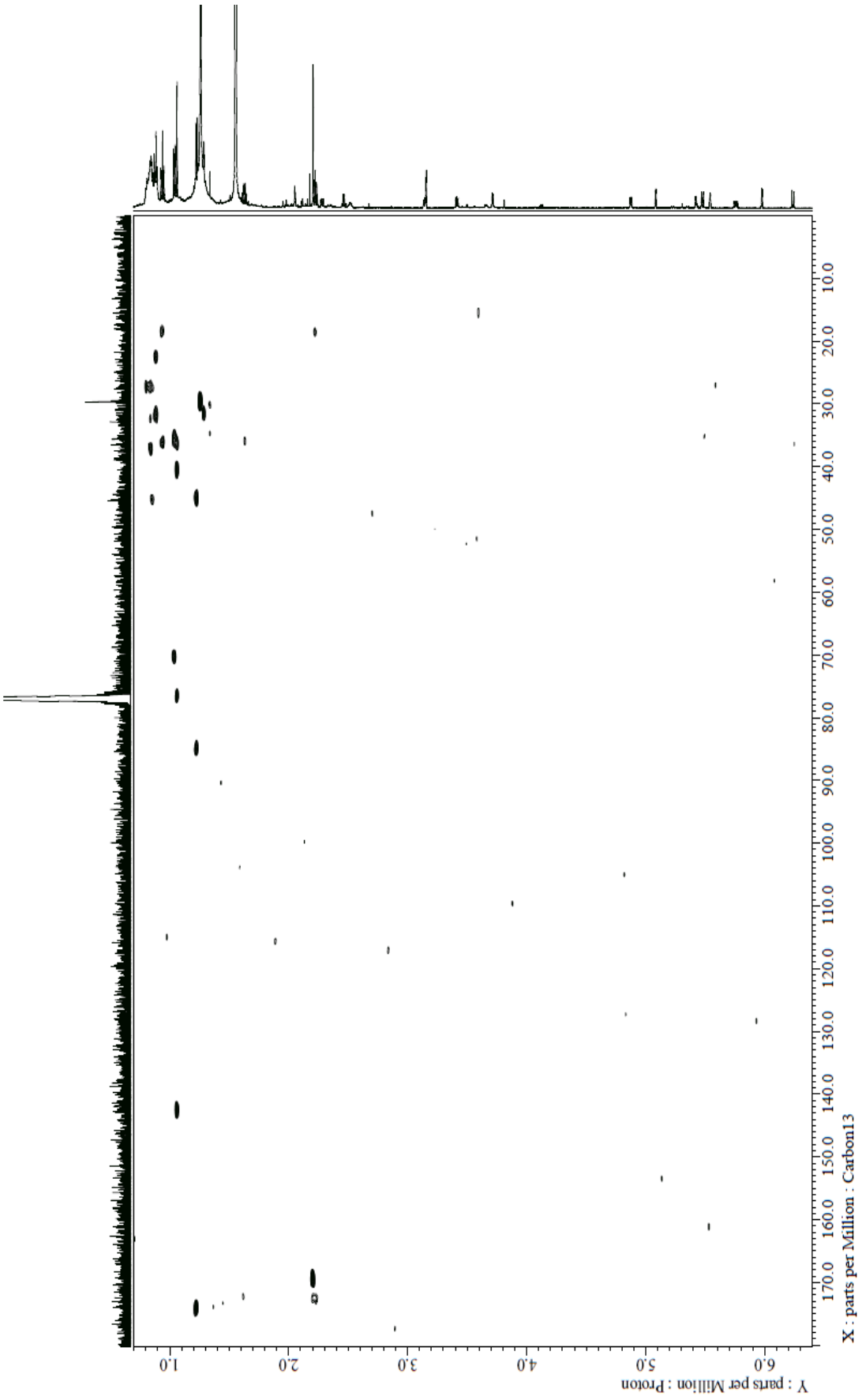
S10. HSQC spectrum of compound **1**



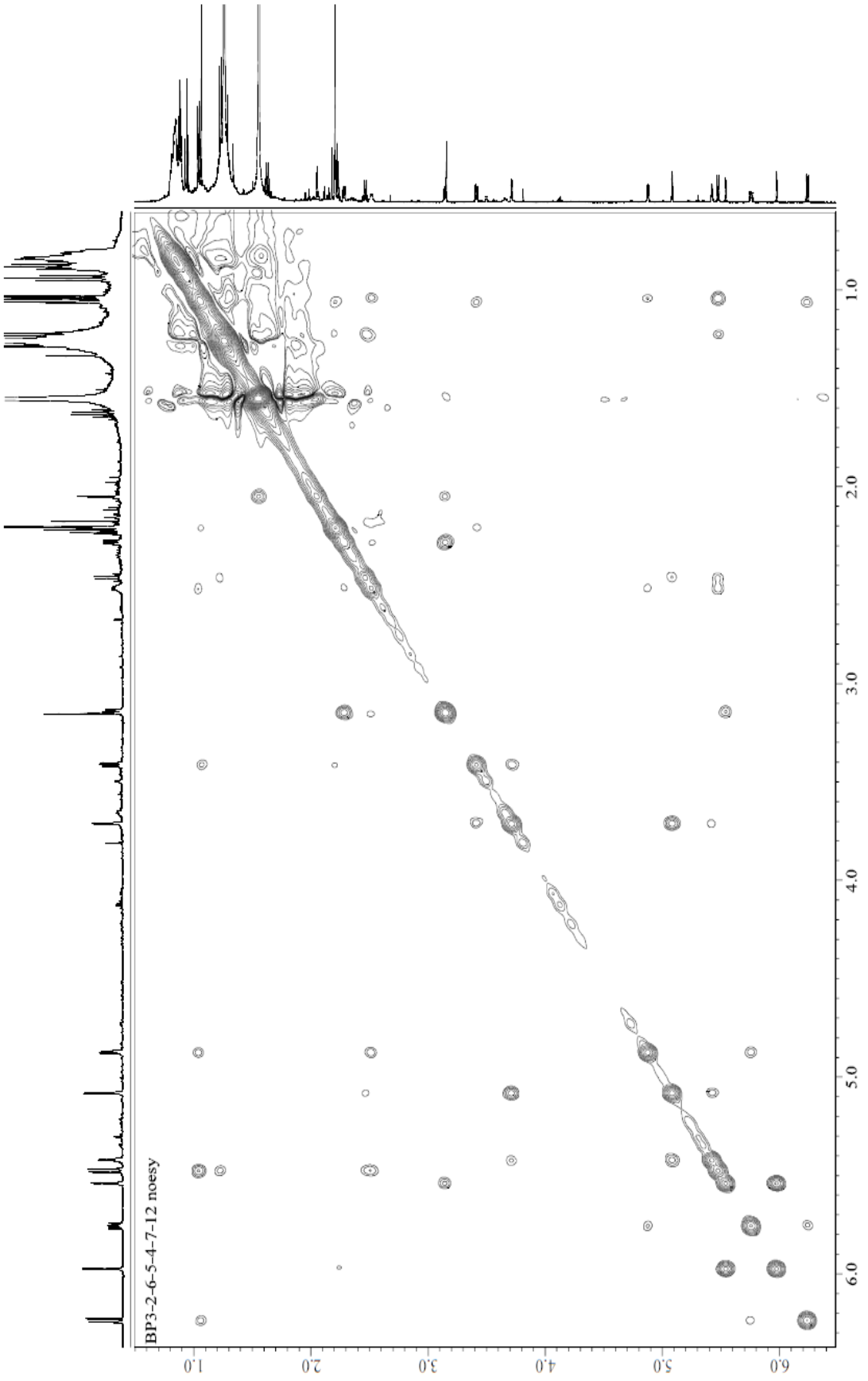
S11. COSY spectrum of compound **1**



S12. HMBC spectrum of compound **1**



S13. HMBC spectrum of compound **1**



S14. NOESY spectrum of compound **1**

Crystal data and structure refinement for briastecholide N (**1**) (CCDC number: 2264781)

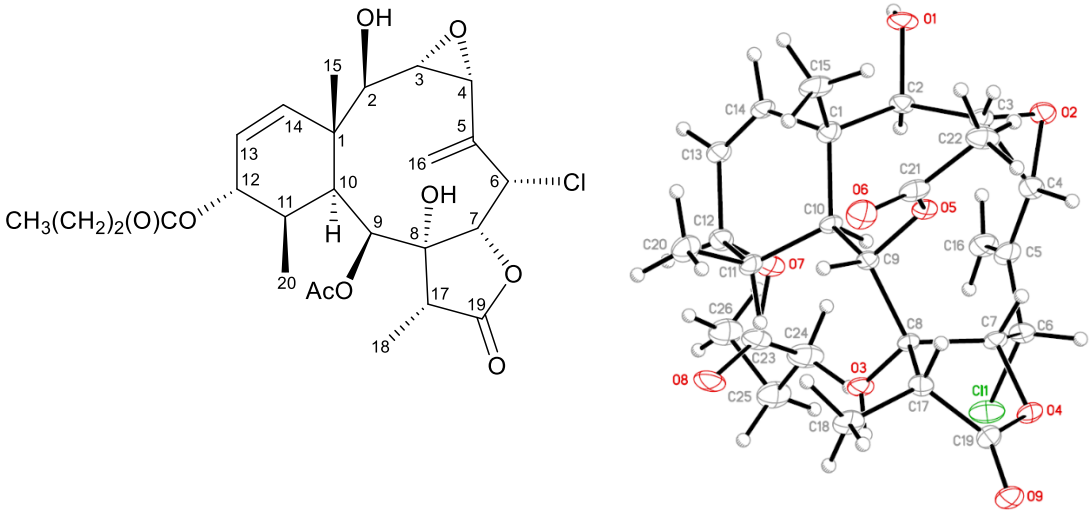


Table 1. Crystal data and structure refinement for ic22062

Identification code	ic22062	
Empirical formula	$C_{26}H_{35}ClO_9$	
Formula weight	526.99	
Temperature	200(2) K	
Wavelength	0.71073 Å	
Crystal system	Orthorhombic	
Space group	$P2_12_12$	
Unit cell dimensions	a = 11.3978(9) Å	α= 90°.
	b = 26.717(2) Å	β= 90°.
	c = 8.7890(7) Å	γ = 90°.
Volume	2676.4(4) $Å^3$	
Z	4	
Density (calculated)	1.308 Mg/m^3	
Absorption coefficient	0.193 mm^{-1}	
F(000)	1120	
Crystal size	0.378 x 0.068 x 0.033 mm^3	
Theta range for data collection	1.943 to 25.000°.	
Index ranges	-12<=h<=13, -31<=k<=31, -	
10<=l<=10		
Reflections collected	18772	
Independent reflections	4713 [R(int) = 0.1452]	
Completeness to theta = 25.000°	99.9 %	

Absorption correction	None
Max. and min. transmission	0.9580 and 0.6874
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	4713 / 122 / 334
Goodness-of-fit on F^2	1.072
Final R indices [I>2sigma(I)]	R1 = 0.1085, wR2 = 0.2538
R indices (all data)	R1 = 0.2001, wR2 = 0.3109
Absolute structure parameter	0.19(13)
Extinction coefficient	n/a
Largest diff. peak and hole	0.658 and -0.485 e.$Å^{-3}$

Table 2. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters ($Å^2$x 10^3) for ic22062. U(eq) is defined as one third of the trace of the orthogonalized U^{ij} tensor.

	x	y	z	U(eq)
Cl(1)	4882(3)	5938(2)	2368(4)	77(1)
O(1)	153(7)	7065(3)	5885(12)	65(2)
O(2)	1758(7)	7334(3)	3480(10)	56(2)
O(3)	4954(7)	5816(3)	5812(11)	56(2)
O(4)	6376(6)	6627(3)	4291(10)	53(2)
O(5)	3848(6)	6992(3)	7155(9)	43(2)
O(6)	4553(8)	7035(4)	9560(12)	71(3)
O(7)	1744(7)	5313(3)	5047(11)	56(2)
O(8)	2892(8)	4632(4)	5298(14)	77(3)
O(9)	8041(7)	6536(3)	5602(11)	59(2)
C(1)	1596(10)	6500(4)	7060(15)	50(3)
C(2)	1218(10)	6800(4)	5647(15)	47(3)
C(3)	1999(10)	7199(4)	5034(14)	44(3)
C(4)	2901(11)	7126(5)	3819(15)	52(3)
C(5)	3199(11)	6644(5)	3110(15)	59(4)
C(6)	4514(10)	6541(5)	3099(15)	53(3)
C(7)	5134(8)	6639(4)	4621(12)	42(3)
C(8)	4991(10)	6323(4)	6080(12)	38(3)
C(9)	3926(9)	6460(4)	7126(14)	39(3)
C(10)	2750(9)	6201(4)	6692(14)	41(3)

C(11)	2758(10)	5652(4)	7279(14)	46(3)
C(12)	1700(11)	5368(4)	6654(16)	55(3)
C(13)	594(11)	5651(4)	7020(15)	52(3)
C(14)	583(10)	6122(4)	7222(14)	47(3)
C(15)	1606(11)	6818(5)	8496(19)	71(4)
C(16)	2420(11)	6353(5)	2387(16)	65(4)
C(17)	6175(11)	6470(5)	6888(14)	47(3)
C(18)	6591(11)	6134(6)	8158(18)	71(4)
C(19)	6958(11)	6545(4)	5594(16)	53(3)
C(20)	2753(13)	5595(5)	9001(18)	68(4)
C(21)	4186(11)	7234(6)	8460(20)	60(4)
C(22)	4069(12)	7790(5)	8238(17)	66(4)
C(23)	2368(11)	4908(4)	4492(17)	61(4)
C(24)	2250(14)	4865(5)	2813(18)	88(5)
C(25)	2057(19)	4372(8)	2060(30)	86(5)
C(26)	810(20)	4278(12)	2530(40)	86(5)
C(25')	1270(30)	4485(15)	2710(40)	86(5)
C(26')	950(30)	4333(16)	1120(40)	86(5)

Table 3. Bond lengths [Å] and angles [°] for ic22062.

Cl(1)-C(6)	1.783(13)
O(1)-C(2)	1.420(13)
O(2)-C(3)	1.439(14)
O(2)-C(4)	1.446(15)
O(3)-C(8)	1.376(13)
O(4)-C(19)	1.342(15)
O(4)-C(7)	1.446(10)
O(5)-C(21)	1.370(16)
O(5)-C(9)	1.426(13)
O(6)-C(21)	1.183(16)
O(7)-C(23)	1.382(10)
O(7)-C(12)	1.421(15)
O(8)-C(23)	1.184(15)
O(9)-C(19)	1.235(15)
C(1)-C(15)	1.522(19)
C(1)-C(14)	1.540(16)

C(1)-C(2)	1.539(17)
C(1)-C(10)	1.572(16)
C(2)-C(3)	1.490(16)
C(3)-C(4)	1.495(18)
C(4)-C(5)	1.470(18)
C(5)-C(16)	1.340(18)
C(5)-C(6)	1.525(16)
C(6)-C(7)	1.536(16)
C(7)-C(8)	1.544(15)
C(8)-C(9)	1.566(15)
C(8)-C(17)	1.574(16)
C(9)-C(10)	1.556(15)
C(10)-C(11)	1.556(16)
C(11)-C(20)	1.52(2)
C(11)-C(12)	1.527(16)
C(12)-C(13)	1.506(17)
C(13)-C(14)	1.270(15)
C(17)-C(19)	1.460(18)
C(17)-C(18)	1.508(18)
C(21)-C(22)	1.50(2)
C(23)-C(24)	1.487(12)
C(24)-C(25)	1.490(13)
C(24)-C(25')	1.516(14)
C(25)-C(26)	1.497(13)
C(25')-C(26')	1.500(14)

C(3)-O(2)-C(4)	62.4(8)
C(19)-O(4)-C(7)	108.5(9)
C(21)-O(5)-C(9)	117.9(10)
C(23)-O(7)-C(12)	116.7(10)
C(15)-C(1)-C(14)	107.2(10)
C(15)-C(1)-C(2)	112.3(10)
C(14)-C(1)-C(2)	101.9(9)
C(15)-C(1)-C(10)	116.6(10)
C(14)-C(1)-C(10)	108.3(9)
C(2)-C(1)-C(10)	109.4(10)
O(1)-C(2)-C(3)	102.0(9)

O(1)-C(2)-C(1)	112.3(11)
C(3)-C(2)-C(1)	119.8(10)
O(2)-C(3)-C(2)	114.1(10)
O(2)-C(3)-C(4)	59.0(7)
C(2)-C(3)-C(4)	125.2(11)
O(2)-C(4)-C(5)	117.2(10)
O(2)-C(4)-C(3)	58.6(7)
C(5)-C(4)-C(3)	125.1(11)
C(16)-C(5)-C(4)	123.8(12)
C(16)-C(5)-C(6)	122.9(13)
C(4)-C(5)-C(6)	112.9(11)
C(5)-C(6)-C(7)	114.5(11)
C(5)-C(6)-Cl(1)	113.5(9)
C(7)-C(6)-Cl(1)	111.1(8)
O(4)-C(7)-C(6)	105.7(9)
O(4)-C(7)-C(8)	104.9(8)
C(6)-C(7)-C(8)	125.5(9)
O(3)-C(8)-C(7)	113.5(9)
O(3)-C(8)-C(9)	107.8(9)
C(7)-C(8)-C(9)	116.2(8)
O(3)-C(8)-C(17)	110.4(9)
C(7)-C(8)-C(17)	98.5(8)
C(9)-C(8)-C(17)	110.0(9)
O(5)-C(9)-C(10)	113.2(9)
O(5)-C(9)-C(8)	106.9(8)
C(10)-C(9)-C(8)	114.9(9)
C(9)-C(10)-C(11)	109.4(9)
C(9)-C(10)-C(1)	116.5(9)
C(11)-C(10)-C(1)	114.5(9)
C(20)-C(11)-C(12)	107.8(10)
C(20)-C(11)-C(10)	115.1(10)
C(12)-C(11)-C(10)	110.1(9)
O(7)-C(12)-C(13)	107.1(10)
O(7)-C(12)-C(11)	112.4(10)
C(13)-C(12)-C(11)	109.5(10)
C(14)-C(13)-C(12)	122.4(11)
C(13)-C(14)-C(1)	128.9(11)

C(19)-C(17)-C(18)	117.8(11)
C(19)-C(17)-C(8)	101.9(9)
C(18)-C(17)-C(8)	117.1(10)
O(9)-C(19)-O(4)	120.2(12)
O(9)-C(19)-C(17)	127.2(13)
O(4)-C(19)-C(17)	112.6(10)
O(6)-C(21)-O(5)	124.9(13)
O(6)-C(21)-C(22)	125.6(14)
O(5)-C(21)-C(22)	109.5(13)
O(8)-C(23)-O(7)	122.4(12)
O(8)-C(23)-C(24)	126.2(12)
O(7)-C(23)-C(24)	111.4(11)
C(23)-C(24)-C(25)	121.5(17)
C(23)-C(24)-C(25')	100.2(17)
C(24)-C(25)-C(26)	99.5(17)
C(26')-C(25')-C(24)	114(3)

Symmetry transformations used to generate equivalent atoms:

Table 4. Anisotropic displacement parameters ($Å^2 x\ 10^3$) for ic22062. The anisotropic displacement factor exponent takes the form: $-2p^2[\ h^2\ a^{*2}U^{11} + ... + 2\ h\ k\ a^*\ b^*\ U^{12}]$

	U^{11}	U^{22}	U^{33}	U^{23}	U^{13}	U^{12}
Cl(1)	41(2)	100(3)	91(3)	-18(2)	-11(2)	16(2)
O(1)	15(4)	61(5)	119(7)	-3(5)	-2(5)	8(4)
O(2)	29(4)	62(4)	78(5)	6(4)	-5(4)	2(3)
O(3)	18(4)	49(5)	101(7)	2(4)	6(5)	-1(4)
O(4)	21(4)	69(4)	69(5)	5(4)	2(4)	0(3)
O(5)	18(3)	54(4)	57(4)	-3(4)	-8(3)	-1(3)
O(6)	47(6)	88(7)	78(7)	1(6)	-13(6)	-8(5)
O(7)	25(4)	59(5)	85(3)	-8(5)	-15(4)	1(4)
O(8)	34(5)	73(6)	124(9)	10(6)	-10(6)	19(5)
O(9)	25(4)	71(4)	81(4)	0(4)	-2(4)	-2(3)
C(1)	31(5)	56(5)	61(6)	-1(5)	2(5)	-3(4)
C(2)	24(5)	51(5)	67(6)	2(5)	-8(5)	3(4)
C(3)	24(5)	50(5)	57(6)	-2(5)	-3(4)	1(4)

C(4)	31(5)	57(5)	69(6)	4(5)	-9(5)	-2(5)
C(5)	23(6)	83(9)	71(9)	8(8)	-4(6)	-3(7)
C(6)	17(6)	67(8)	76(9)	9(7)	-11(6)	4(5)
C(7)	16(4)	57(5)	52(5)	0(4)	-3(4)	2(4)
C(8)	18(4)	48(5)	48(5)	3(4)	-2(4)	1(4)
C(9)	18(4)	46(5)	53(5)	2(4)	-5(4)	0(4)
C(10)	19(5)	51(5)	52(5)	-1(4)	1(4)	-1(4)
C(11)	26(5)	54(5)	57(6)	-1(5)	5(5)	-5(4)
C(12)	31(5)	51(5)	83(3)	7(5)	0(5)	-3(4)
C(13)	27(5)	56(6)	73(6)	3(5)	2(5)	-4(4)
C(14)	20(4)	54(6)	66(6)	0(5)	5(4)	-1(4)
C(15)	21(7)	89(10)	103(12)	-12(9)	-2(7)	2(7)
C(16)	32(7)	80(9)	82(10)	0(8)	-6(8)	0(7)
C(17)	29(5)	57(5)	54(6)	4(5)	-11(5)	4(4)
C(18)	16(6)	105(11)	92(11)	13(9)	-13(7)	4(7)
C(19)	37(5)	57(5)	64(6)	3(5)	2(5)	-4(5)
C(20)	40(8)	80(9)	85(11)	-2(8)	2(8)	-12(7)
C(21)	21(7)	78(10)	80(11)	-10(9)	-1(7)	-2(6)
C(22)	34(8)	65(9)	98(11)	-19(8)	-8(7)	4(6)
C(23)	25(7)	55(8)	103(12)	-9(8)	-11(8)	0(6)
C(24)	45(9)	83(11)	135(16)	-24(10)	-8(10)	5(7)
C(25)	49(12)	97(13)	111(14)	-14(12)	-6(11)	-2(9)
C(26)	49(12)	97(13)	111(14)	-14(12)	-6(11)	-2(9)
C(25')	49(12)	97(13)	111(14)	-14(12)	-6(11)	-2(9)
C(26')	49(12)	97(13)	111(14)	-14(12)	-6(11)	-2(9)

Table 5. Hydrogen coordinates (x 10^4) and isotropic displacement parameters ($Å^2$x 10^3) for ic22062.

	x	y	z	U(eq)
H(1)	-388	6928	5387	97
H(3)	5640	5706	5717	84
H(2)	1077	6554	4808	57
H(3A)	2146	7486	5737	52
H(4)	3554	7376	3833	63
H(6)	4857	6787	2365	64

H(7)	4945	6992	4909	50
H(9)	4129	6348	8180	47
H(10)	2768	6173	5557	49
H(11)	3483	5486	6882	55
H(12)	1664	5029	7137	66
H(13)	-123	5472	7102	62
H(14)	-151	6260	7515	56
H(15A)	1803	7165	8231	107
H(15B)	2192	6687	9207	107
H(15C)	829	6809	8973	107
H(16A)	1624	6455	2312	78
H(16B)	2665	6045	1951	78
H(17)	6046	6807	7351	56
H(18A)	6769	5801	7749	106
H(18B)	5975	6106	8931	106
H(18C)	7299	6276	8618	106
H(20A)	2060	5762	9422	103
H(20B)	3463	5748	9425	103
H(20C)	2732	5239	9266	103
H(22A)	3621	7933	9085	99
H(22B)	3659	7857	7279	99
H(22C)	4851	7942	8206	99
H(24A)	2969	5010	2362	105
H(24B)	1591	5085	2507	105
H(24C)	2980	4740	2336	105
H(24D)	2028	5188	2342	105
H(25A)	2596	4113	2456	103
H(25B)	2136	4395	942	103
H(26A)	759	4289	3647	128
H(26B)	566	3948	2170	128
H(26C)	305	4536	2096	128
H(25C)	1498	4182	3288	103
H(25D)	560	4626	3209	103
H(26D)	775	4633	517	128
H(26E)	259	4115	1145	128
H(26F)	1609	4153	661	128