

Supplementary Information

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Figure S21. ^1H -NMR (400 MHz, CDCl_3) spectrum of 3,3'-dihydroxyl-5,5'-dimethyldiphenyl ether (5).

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Figure S23. ^1H -NMR (400 MHz, CDCl_3) spectrum of 3-(3-methoxy-5-methylphenoxy)-5-methylphenol (6).

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Figure S25. ^1H -NMR (400 MHz, CD_3OD) spectrum of 3-(3-methoxy-5-methylphenoxy)-5-methylphenol (6).

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Figure S27. ^1H -NMR (400 MHz, CDCl_3) spectrum of (-)-regiolone (7).

Figure S28. ^{13}C -NMR (100 MHz, CDCl_3) spectrum of (-)-regiolone (7).

Figure S1. LREIMS of pseudaboydin A (1).

Instrument:DSQ(Thermo)

Ionization Method:EI

d:\dsq\data-1\13\092304

9/

F46-1_CC9_11_C18C72_77LH13S

092304 #75 RT: 1.81 AV: 1 NL: 1.02E7

T: + c Full ms [45.00-750.00]

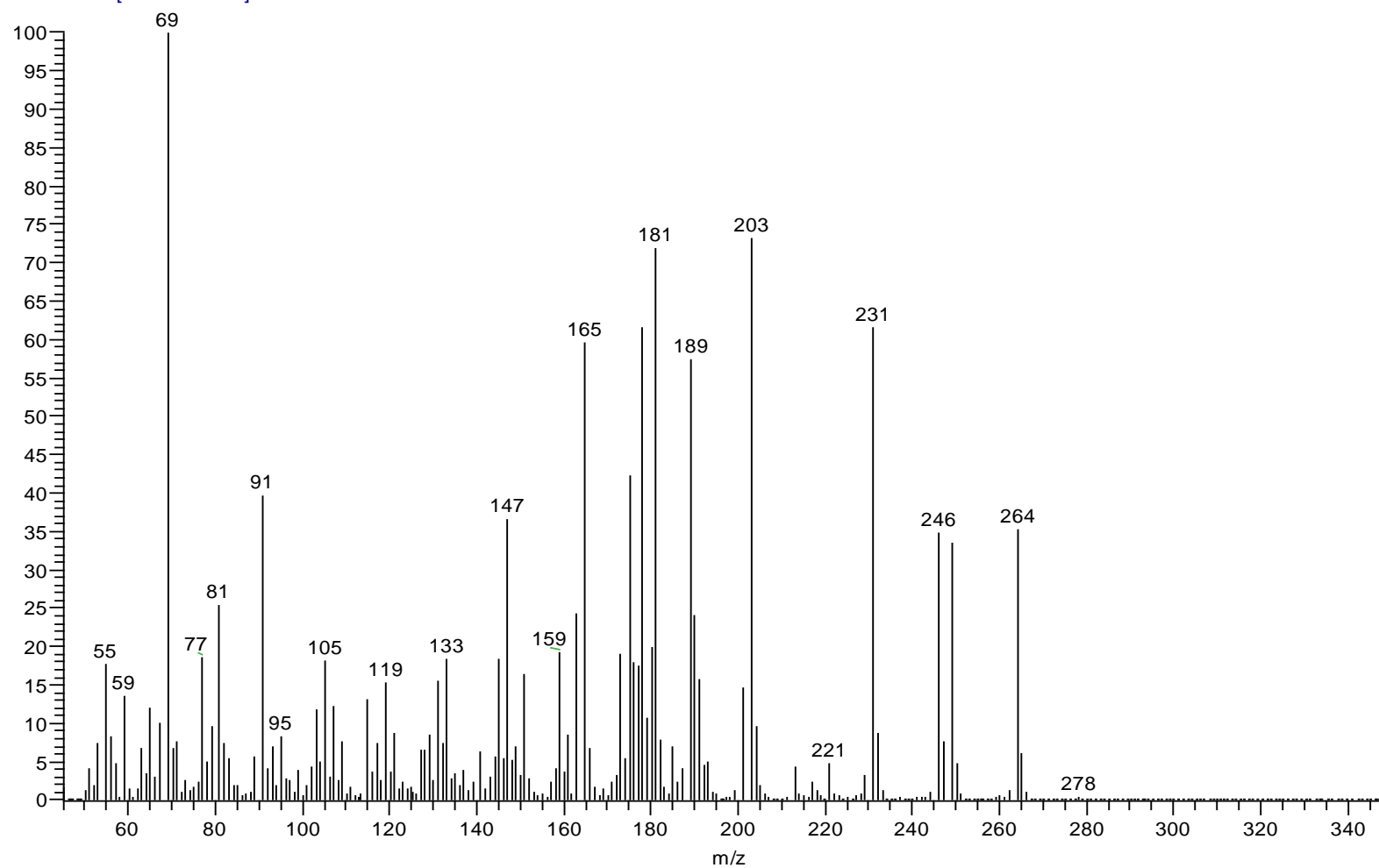


Figure S2. HREIMS of pseudaboydin A (1).

SPECTRUM—MS

File: D:\DATA-HR\13\092603-f46-c1.RAW

Full ms [251.500–272.500]—Range: 264.000–264.500

Scan No. 13 of 21

Scan #: 13

RT: 0.51

Data points: 1

Mass	Relative Intensity	Theoretical Mass	Delta [ppm]	Delta [mmu]	RDB	Composition
264.1355	47.0	264.1356	-0.4	-0.1	6.0	C ₁₅ H ₂₀ O ₄

Instrument: MAT 95XP(Thermo)

D:\DATA-HR\13\092603-f46-c1

9/26/2013 4:35:15

-11-C18C72-77LH13S

092603-f46-c1 #13 RT: 0.51 AV: 1 NL: 1.08E5

T: + c EI Full ms [251.50-272.50]

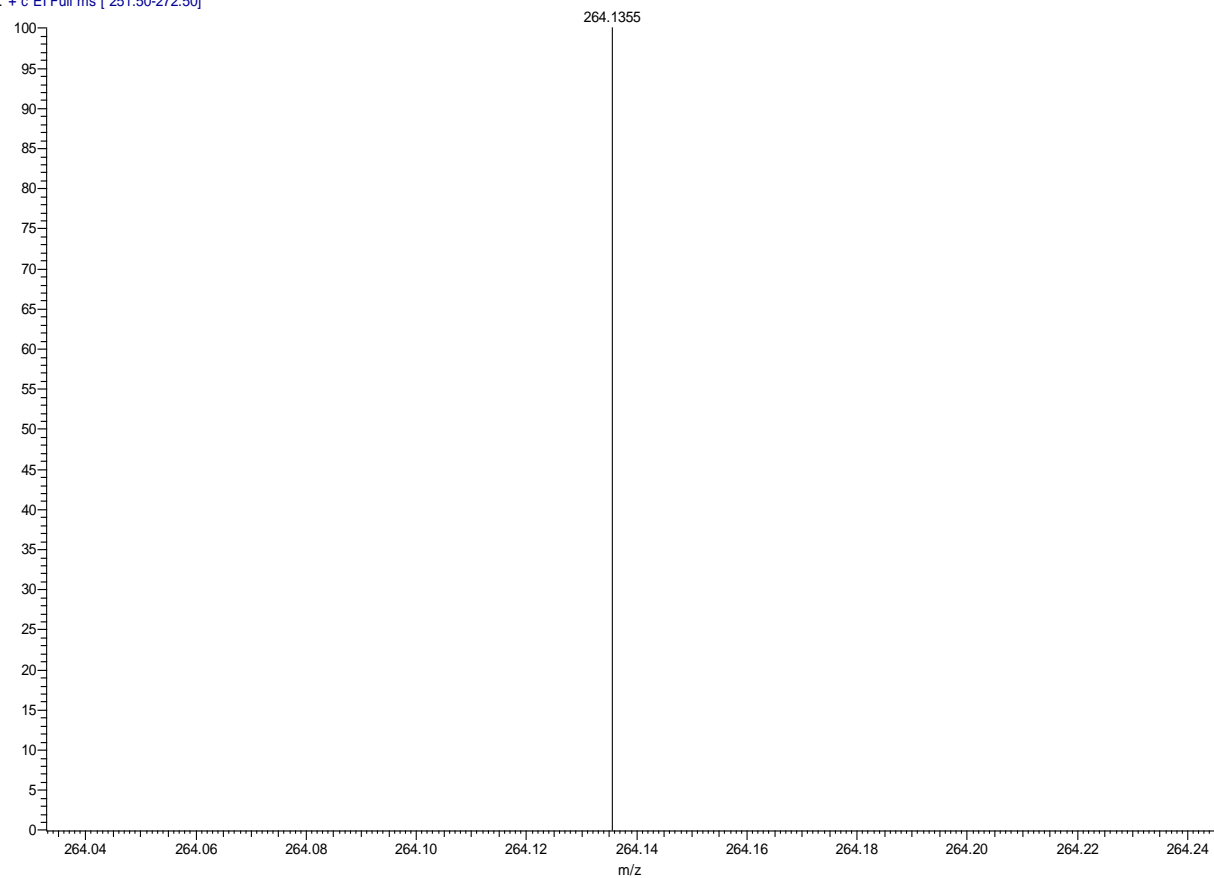


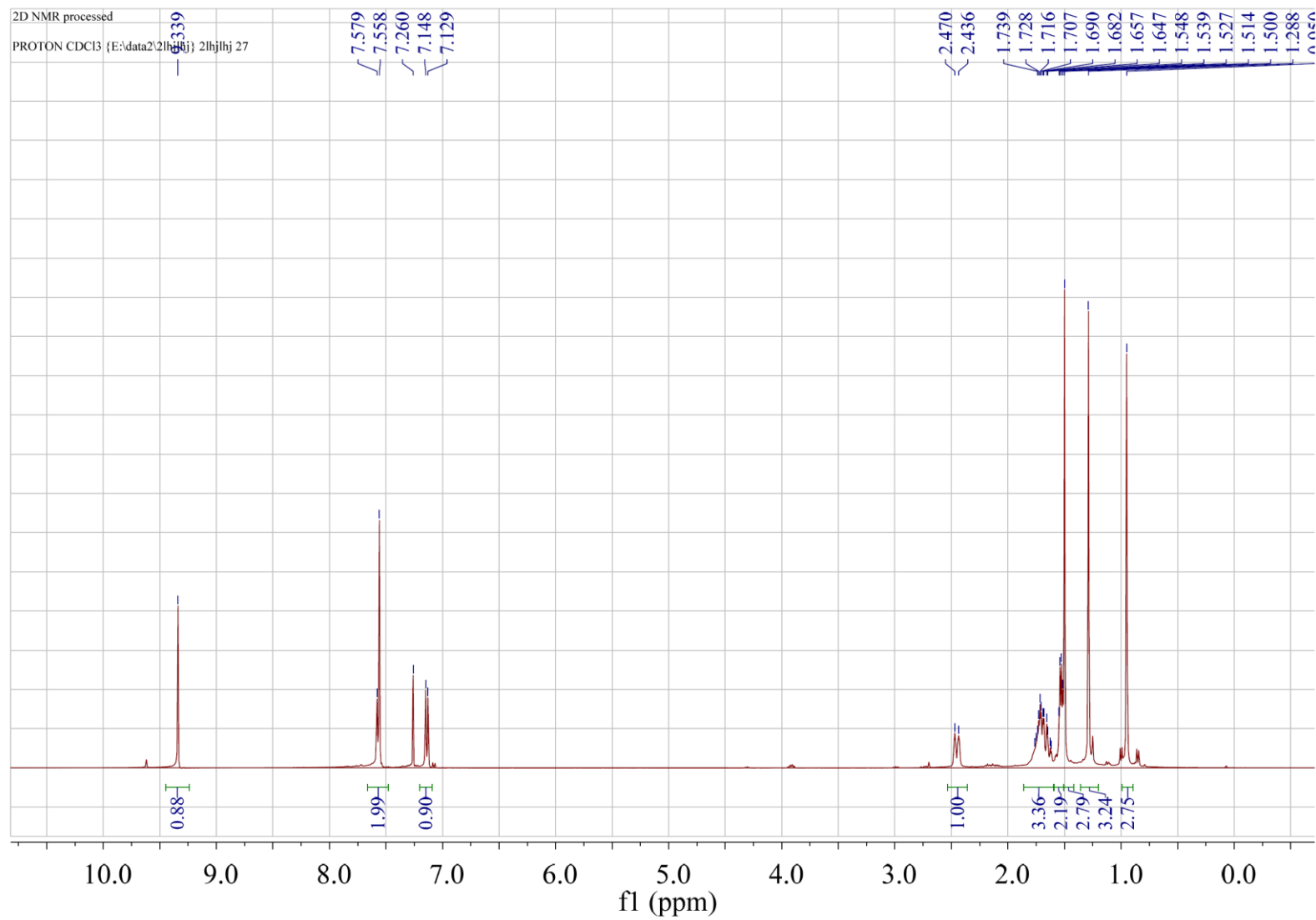
Figure S3. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectrum of pseudaboydin A (**1**).

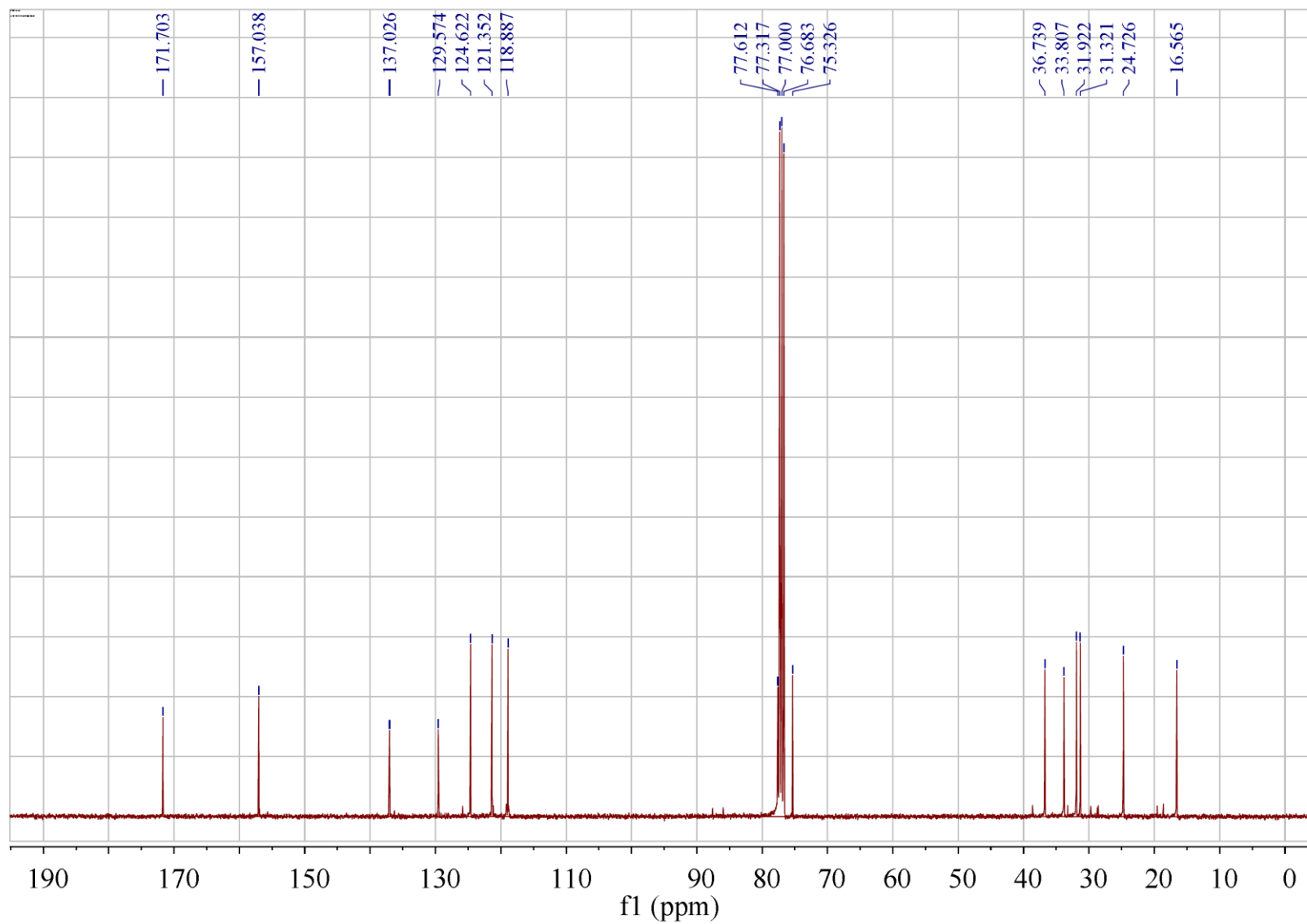
Figure S4. ^{13}C -NMR (100 MHz, CDCl_3) spectrum of pseudaboydin A (**1**).

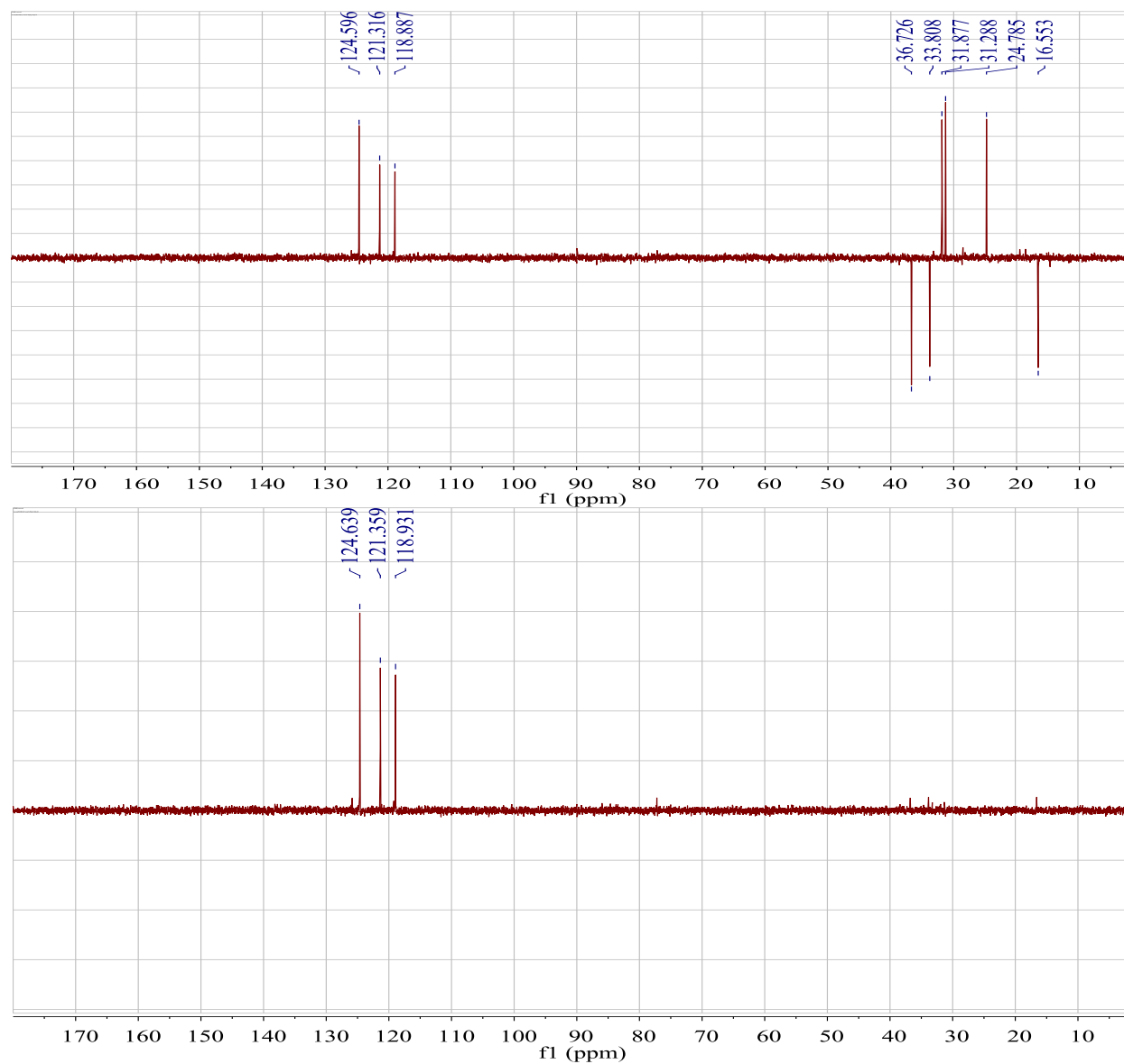
Figure S5. DEPT135 and DEPT90 of pseudaboydin A (1).

Figure S6. gHMQC of pseudaboydin A (1).

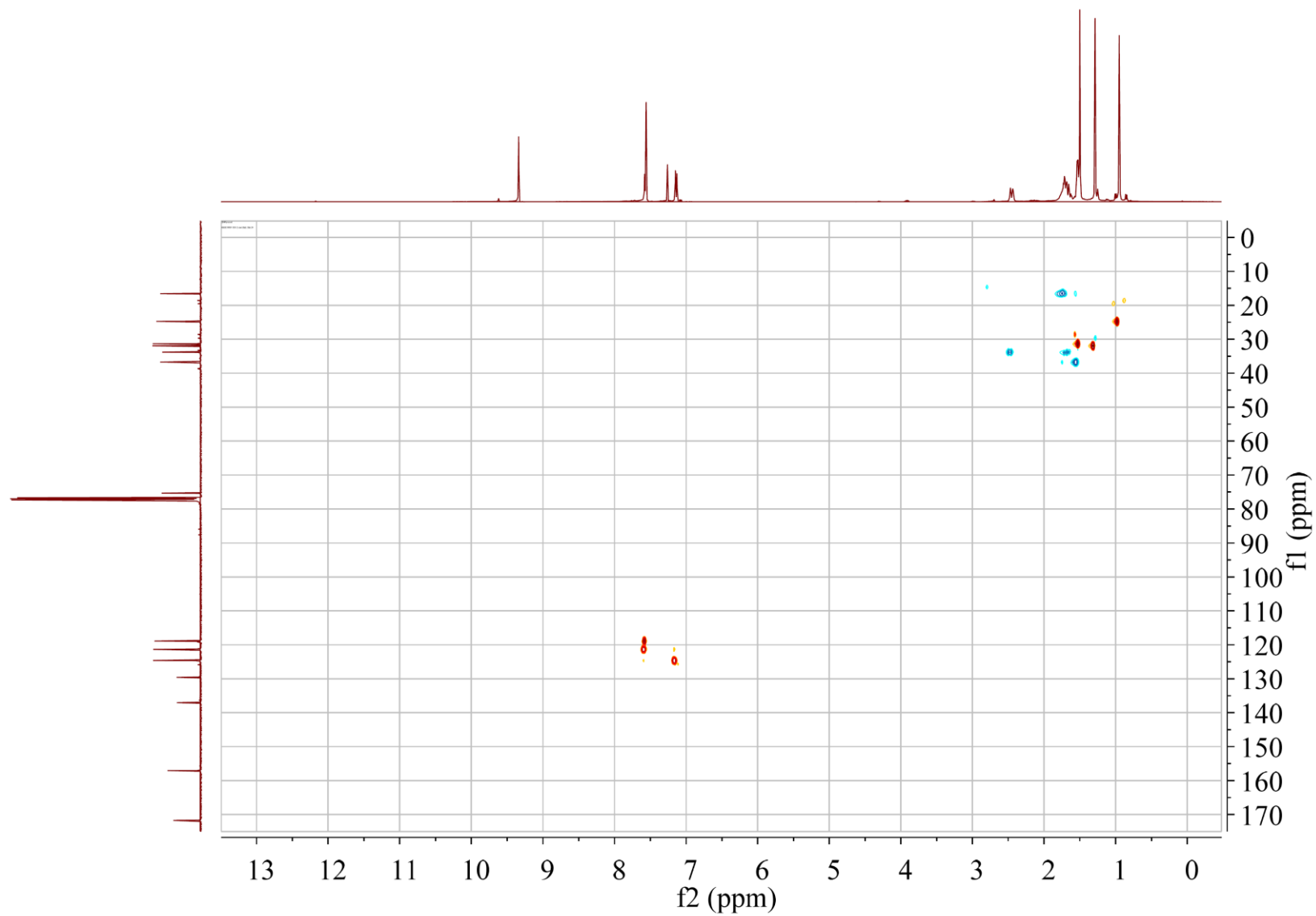


Figure S7. gHMBC of pseudaboydin A (1).

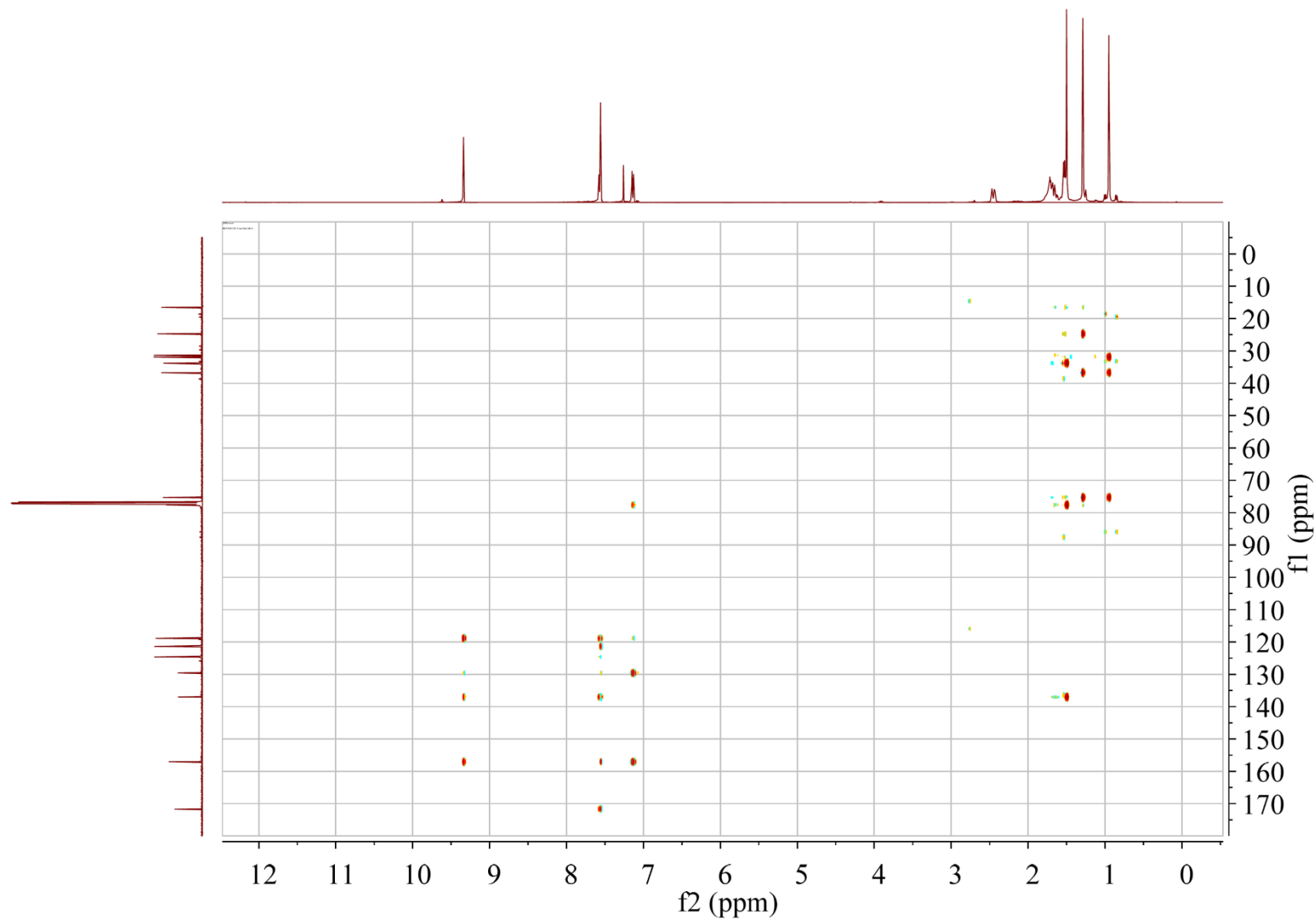


Figure S8. ^1H - ^1H gCOSY of pseudaboydin A (1).

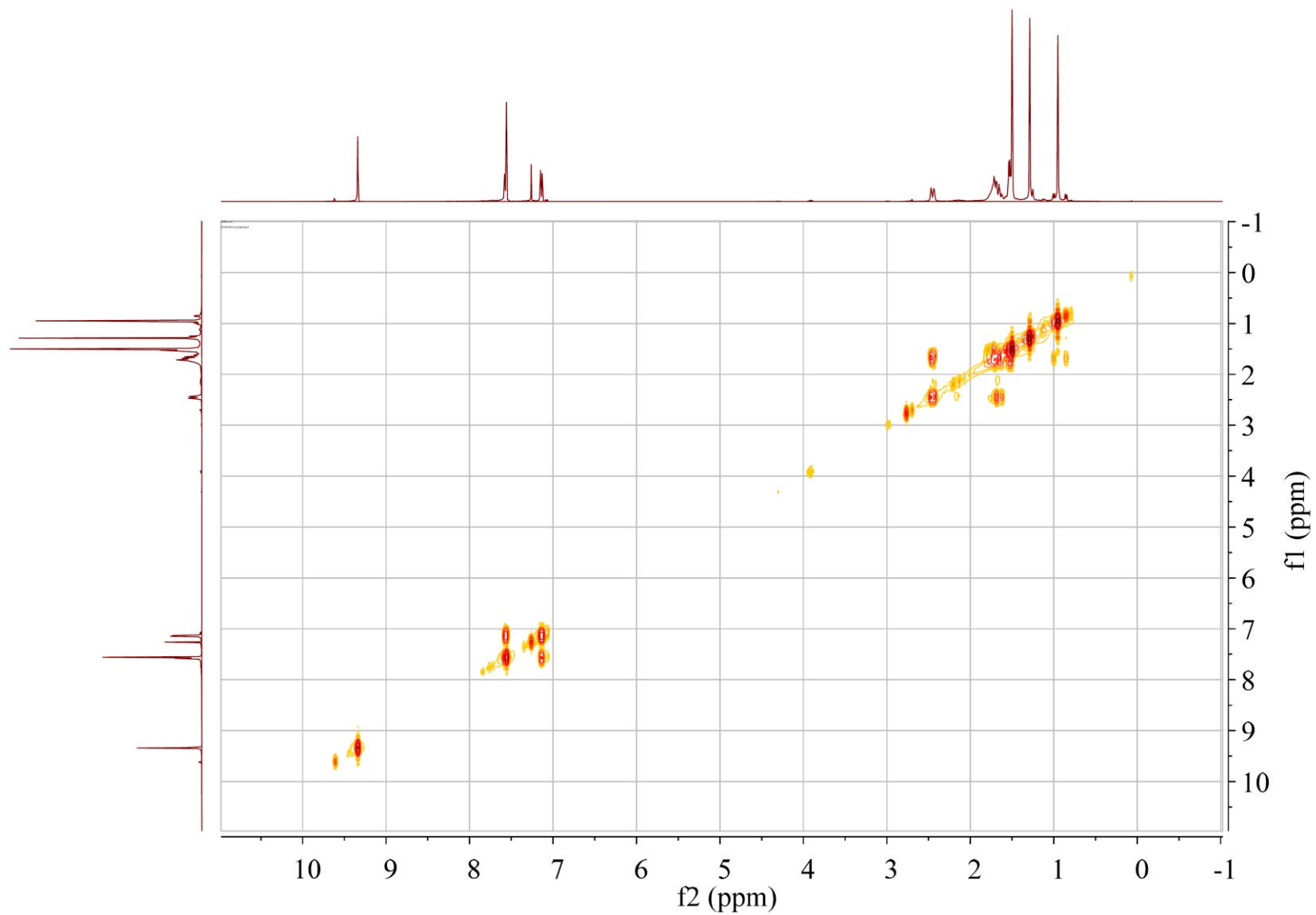


Figure S9. LREIMS of pseudaboydin B (2).

Instrument:DSQ(Thermo)
Ionization Method:EI
D:\DSQ\DATA-LR\13\061402

6/

F46-1_8_CC4S

061402 #44 RT: 1.14 AV: 1 NL: 1.83E7
T: + c Full ms [45.00-800.00]

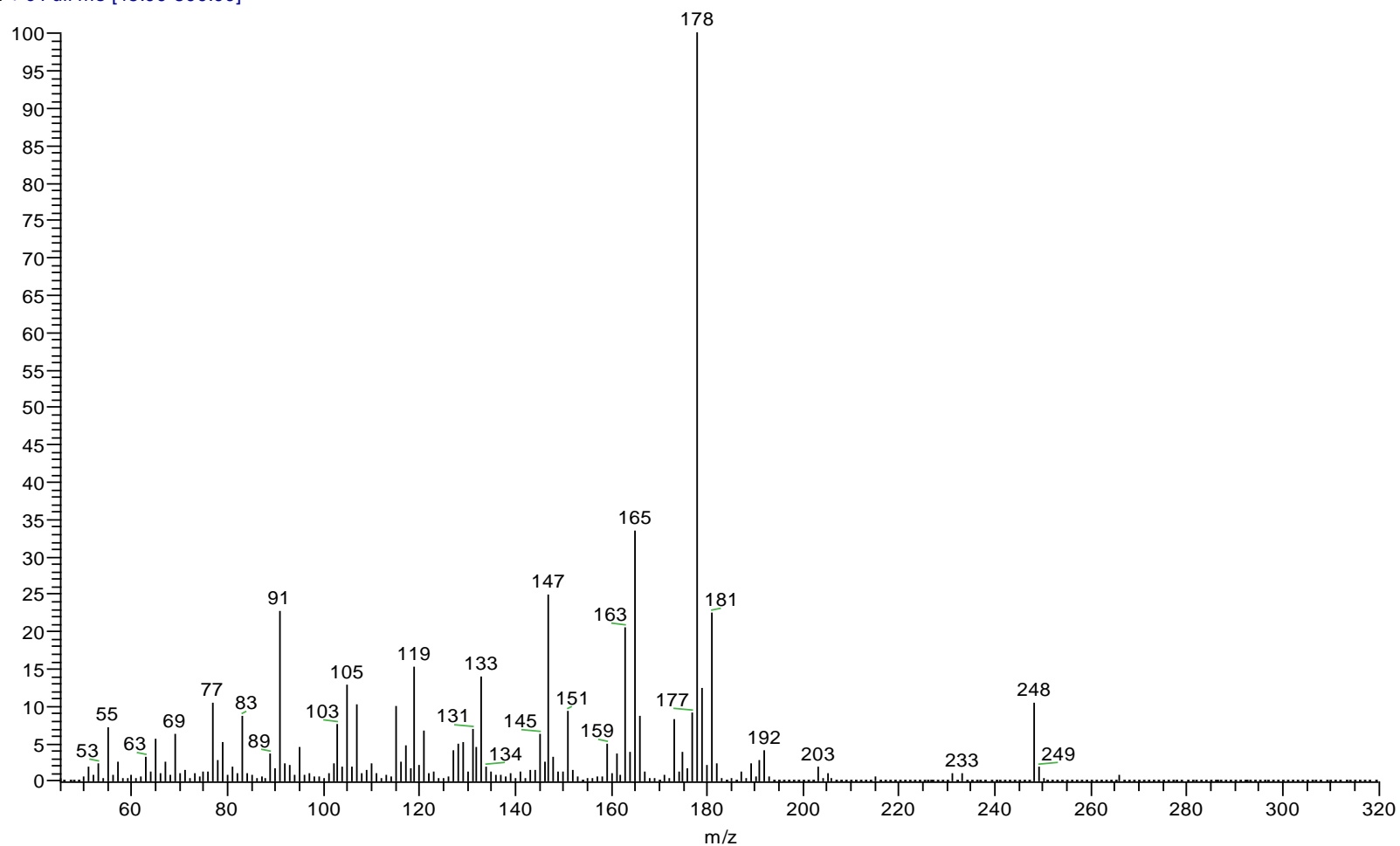


Figure S10. HREIMS of pseudaboydin B (2).

SPECTRUM - MS

File: D:\DATA-HR\13\082702-f46-c1.RAW

Full ms [228.500 - 256.500] - Range: 248.100 - 248.200

Scan No. 16 of 21

Scan #: 16

RT: 0.61

Data points: 1

Mass	Relative Intensity	Theoretical Mass	Delta[ppm]	Delta[mmu]	RDB	Composition
248.1408	87.8	248.1407	0.5	0.1	6.0	C ₁₅ H ₂₀ O ₃

Instrument: MAT 95XP (Thermo)

D:\DATA-HR\13\082702-f46-c1

8/27/2013 4:41:17

C4S

082702-f46-c1 #16 RT: 0.61 AV: 1 NL: 7.81E5

T: + c EI Full ms [228.50-256.50]

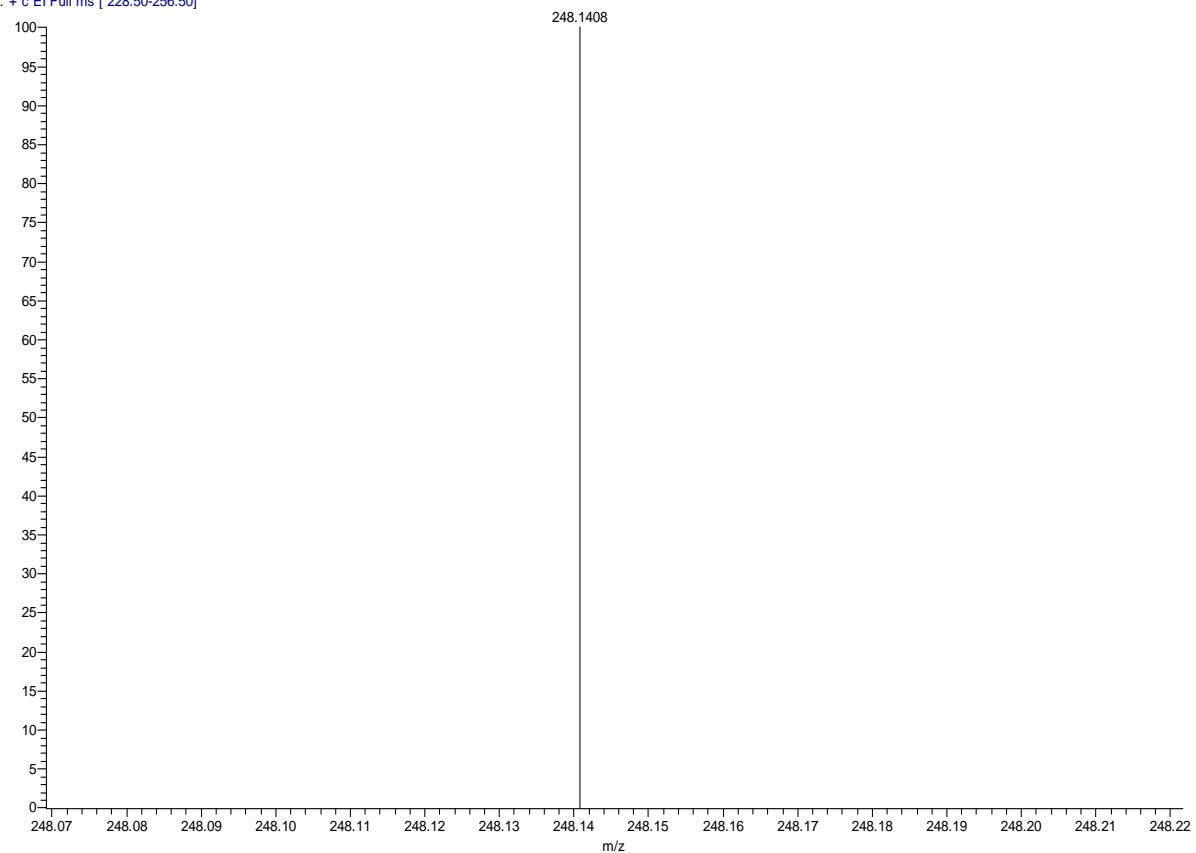


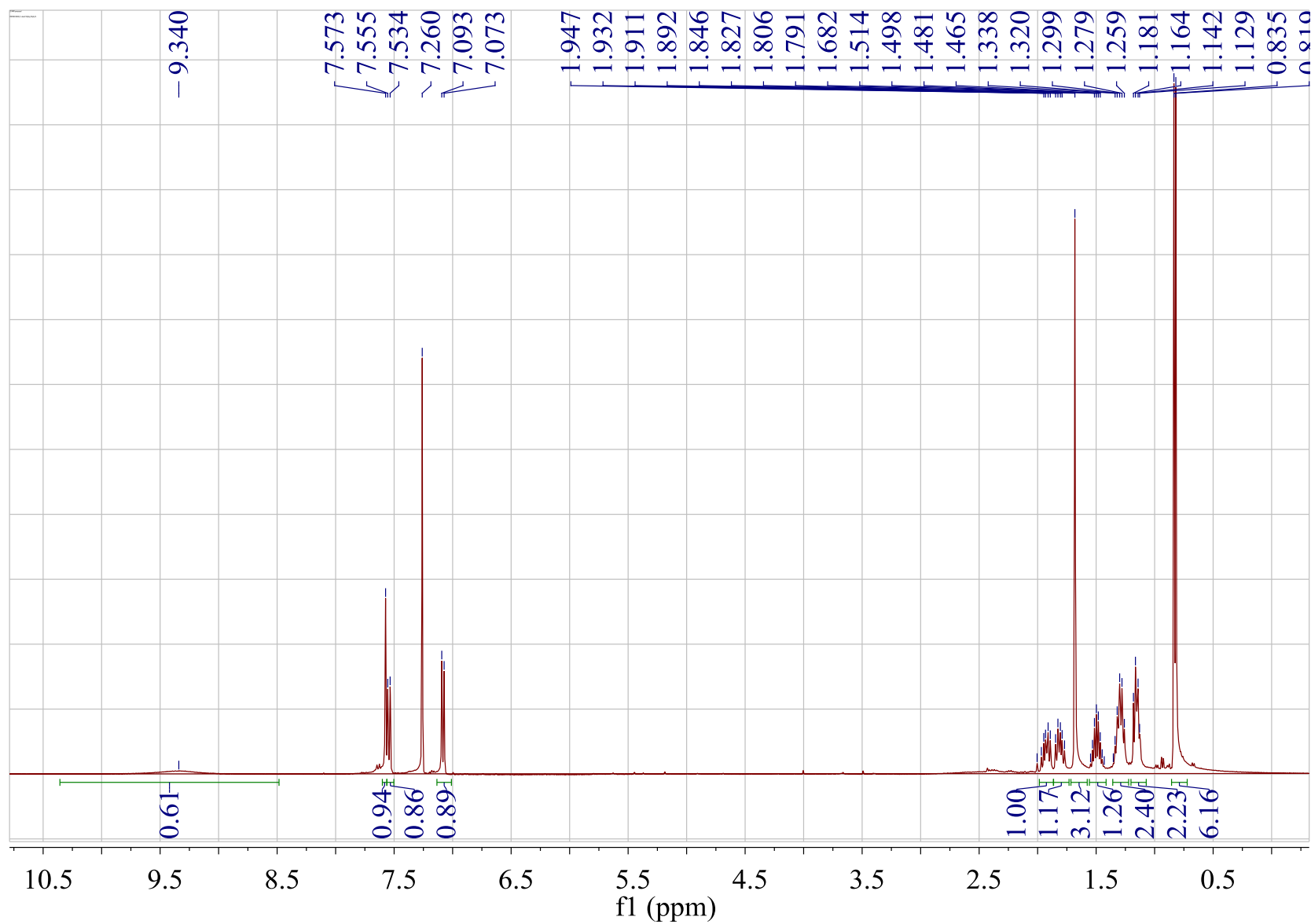
Figure S11. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectrum of pseudaboydin B (2).

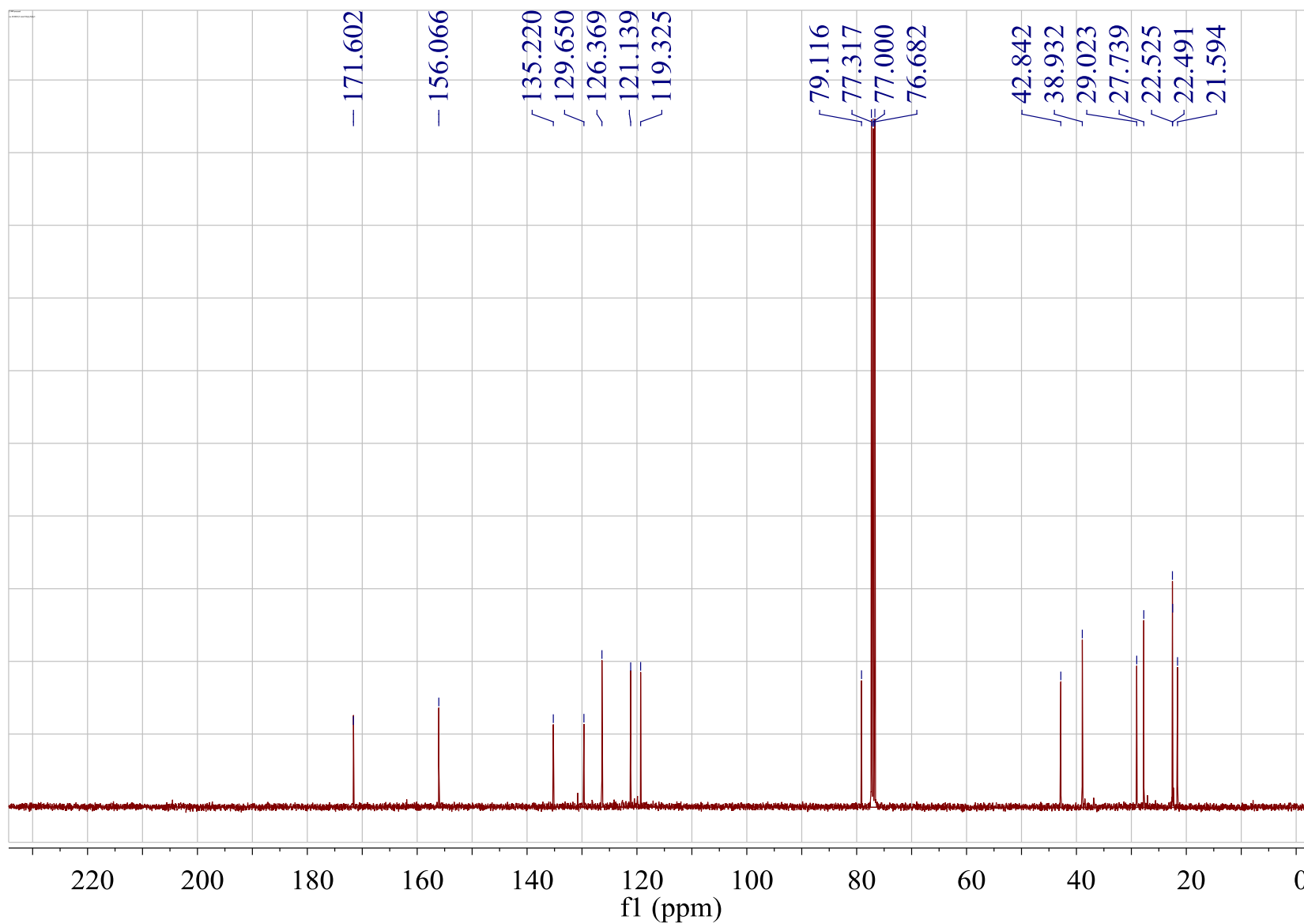
Figure S12. ^{13}C -NMR (100 MHz, CDCl_3) spectrum of pseudaboydin B (**2**).

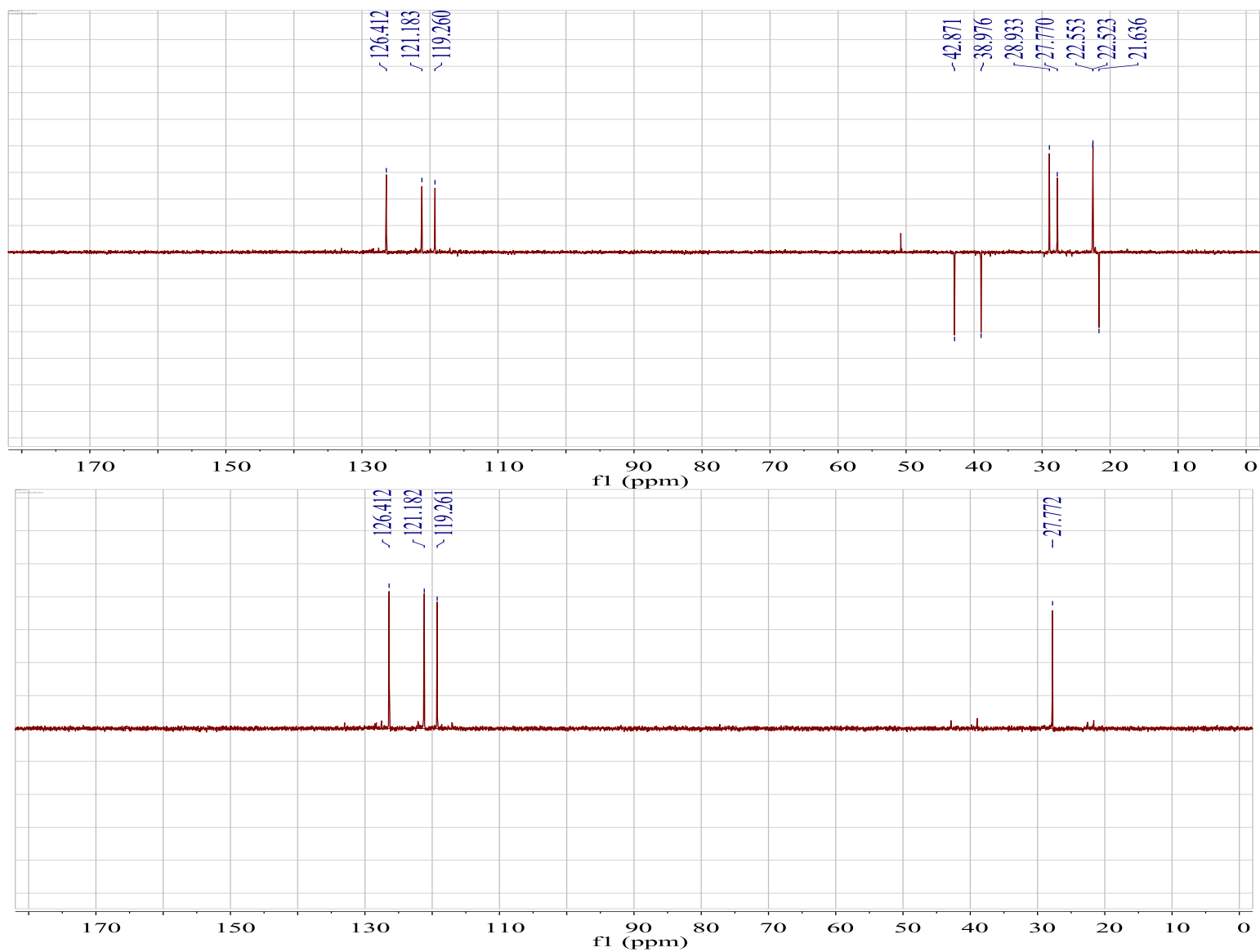
Figure S13. DEPT135 and DEPT90 of pseudaboydin B (2).

Figure S14. gHMQC of pseudaboydin B (2).

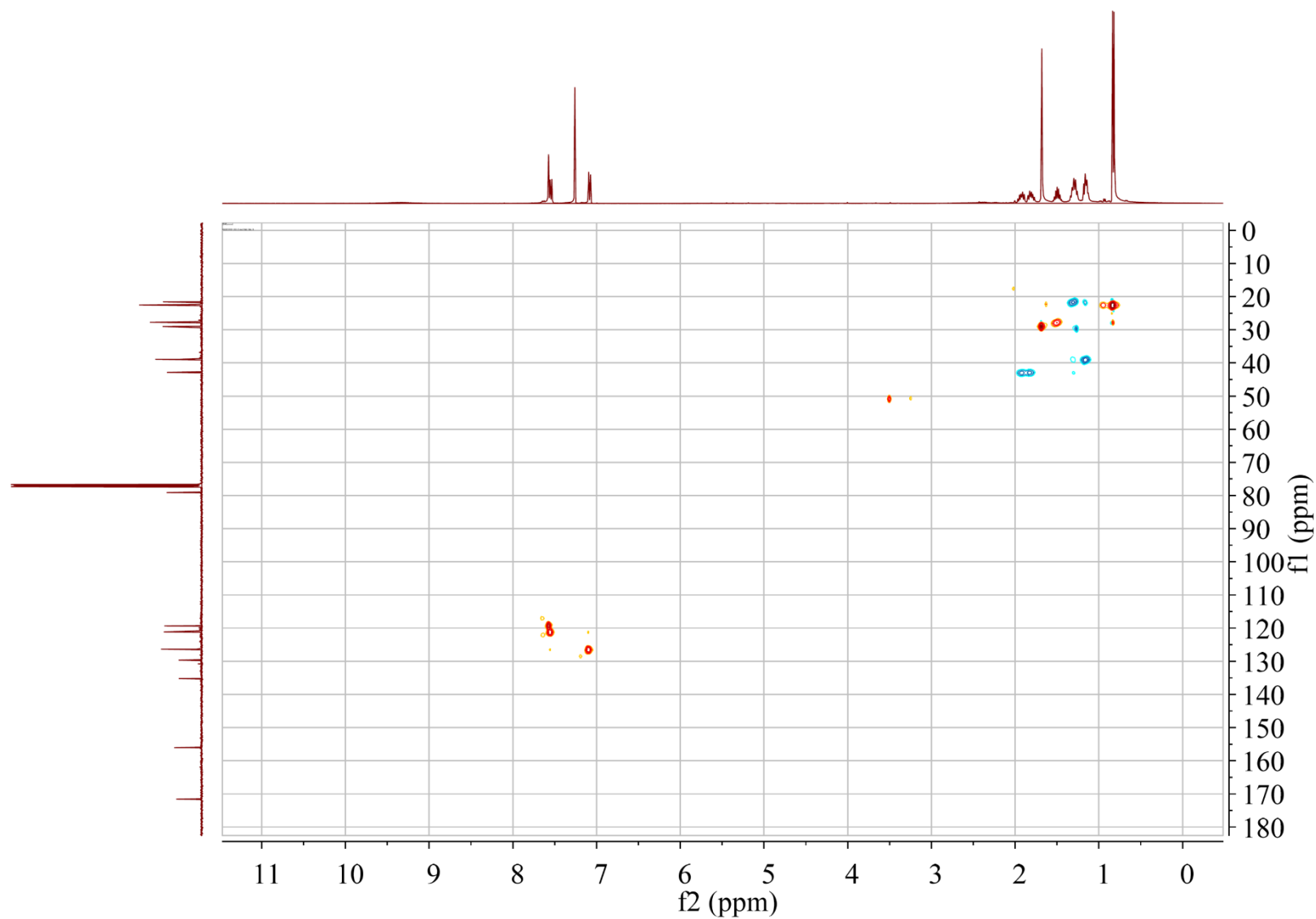


Figure S15. gHMBC of pseudaboydin B (2).

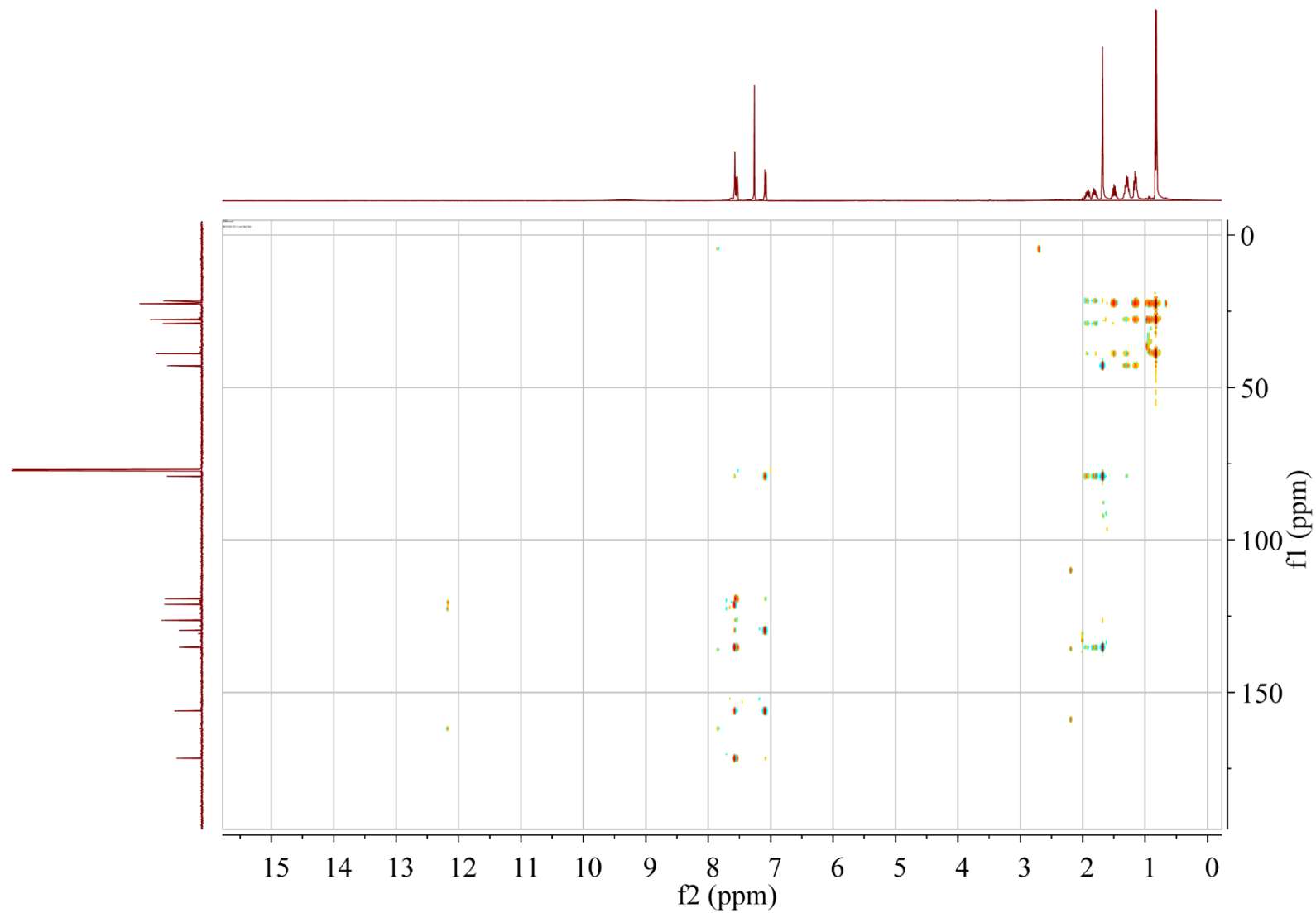


Figure S16. ^1H - ^1H gCOSY of pseudaboydin B (2).

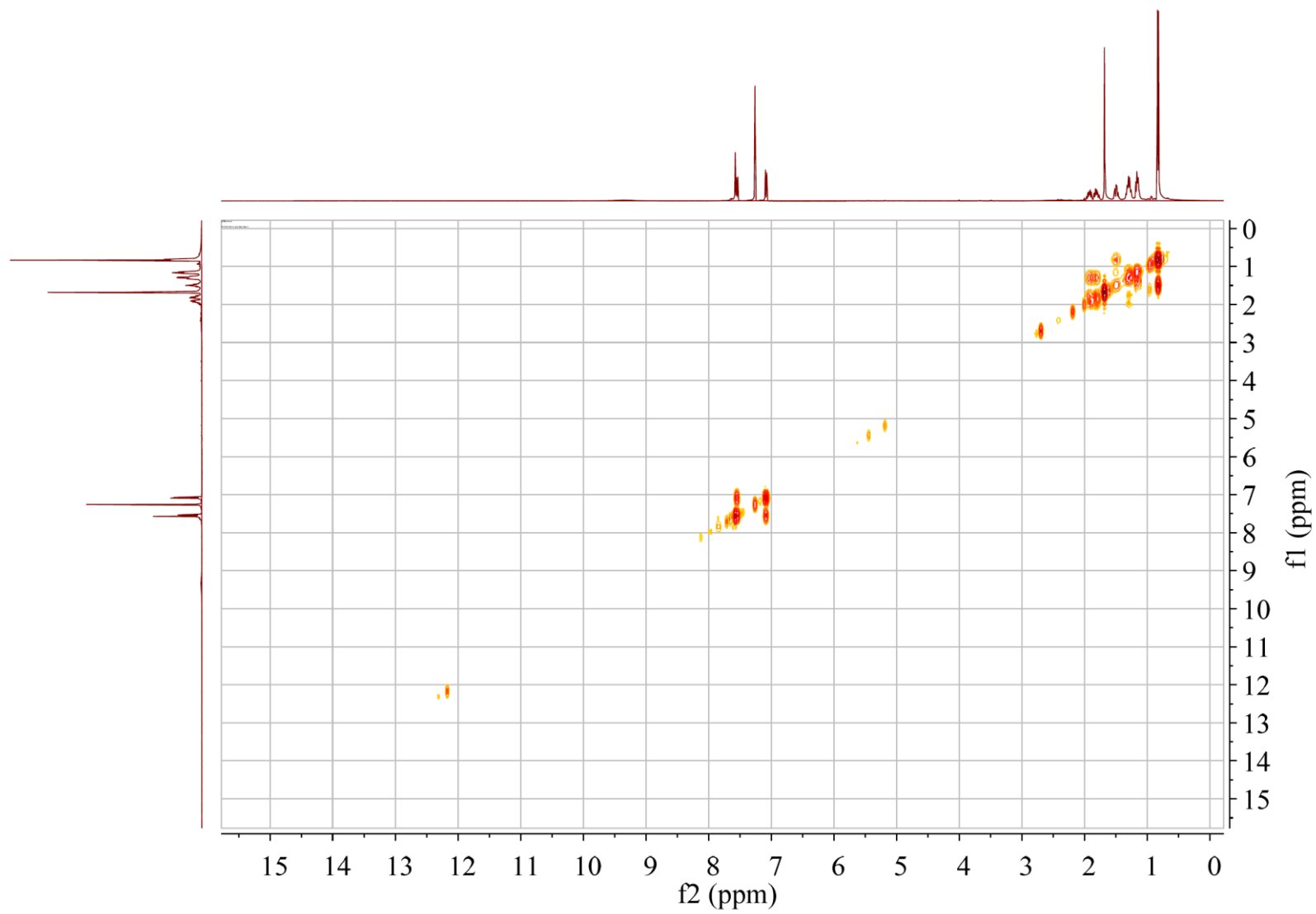


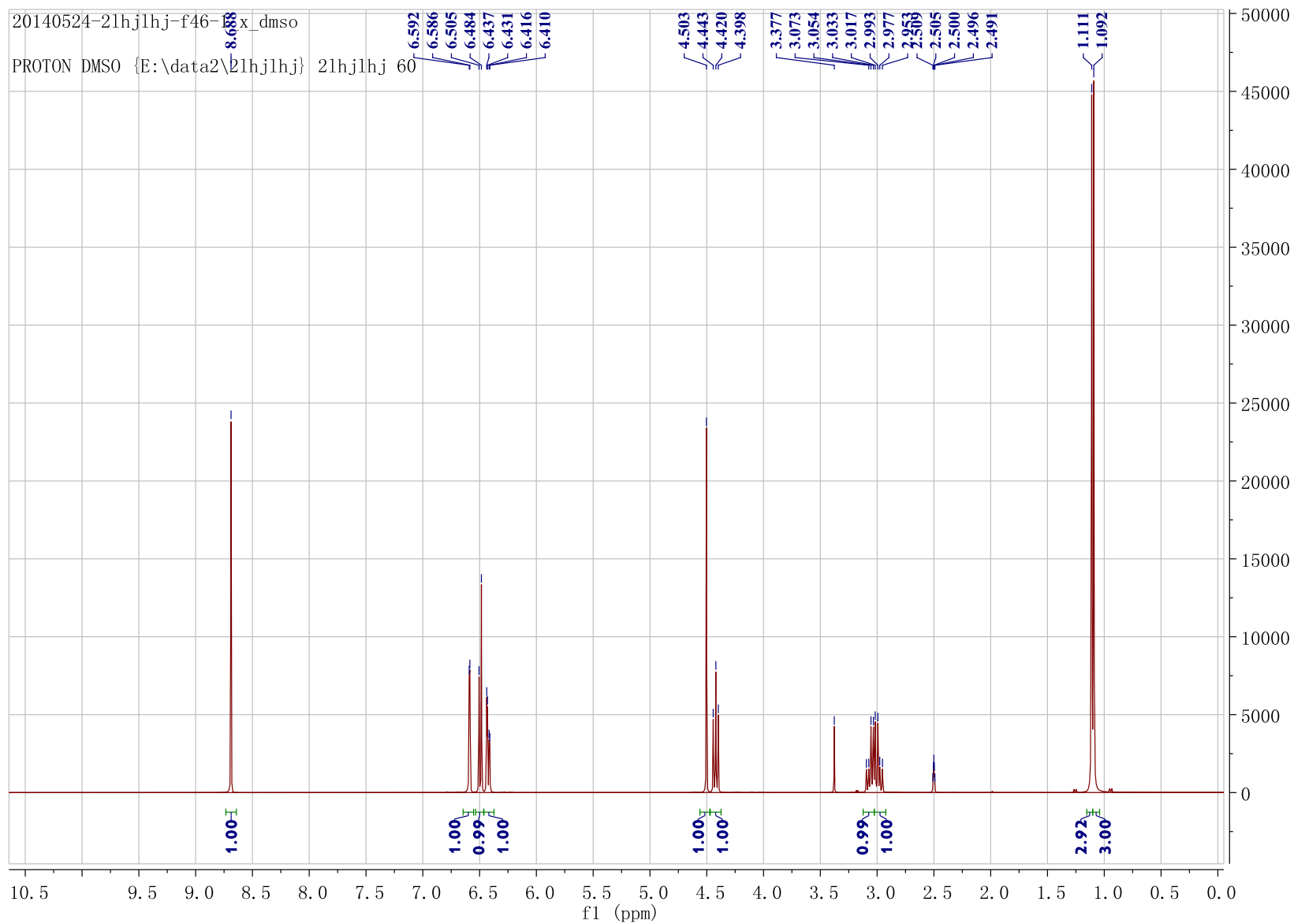
Figure S17. $^1\text{H-NMR}$ (400 MHz, DMSO- d_6) spectrum of (*R*)-2-(2-hydroxypropan-2-yl)-2,3-dihydro-5-hydroxybenzofuran (**3**).

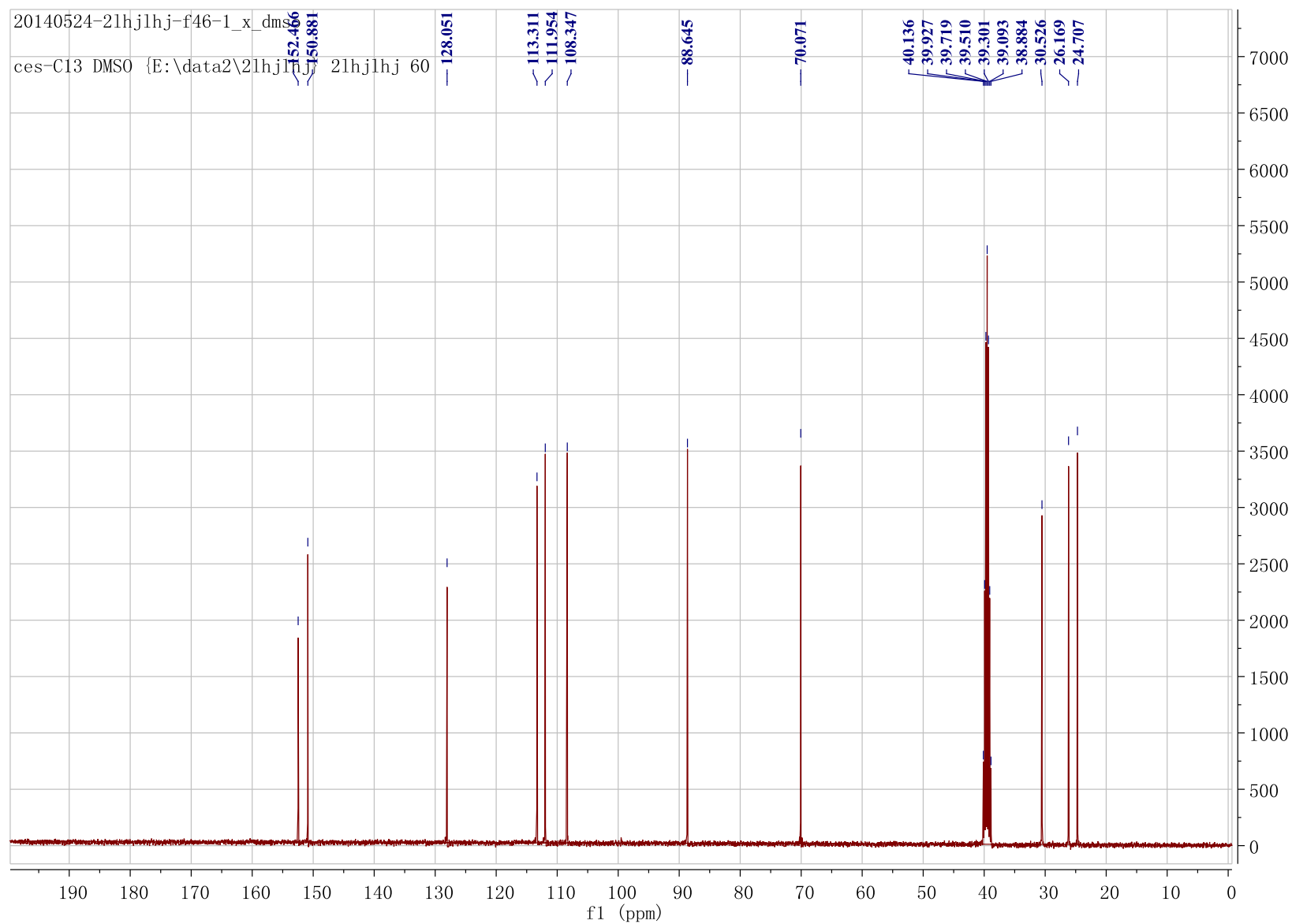
Figure S18. ^{13}C -NMR (100 MHz, DMSO-d₆) spectrum of (*R*)-2-(2-hydroxypropan-2-yl)-2,3-dihydro-5-hydroxybenzofuran (**3**).

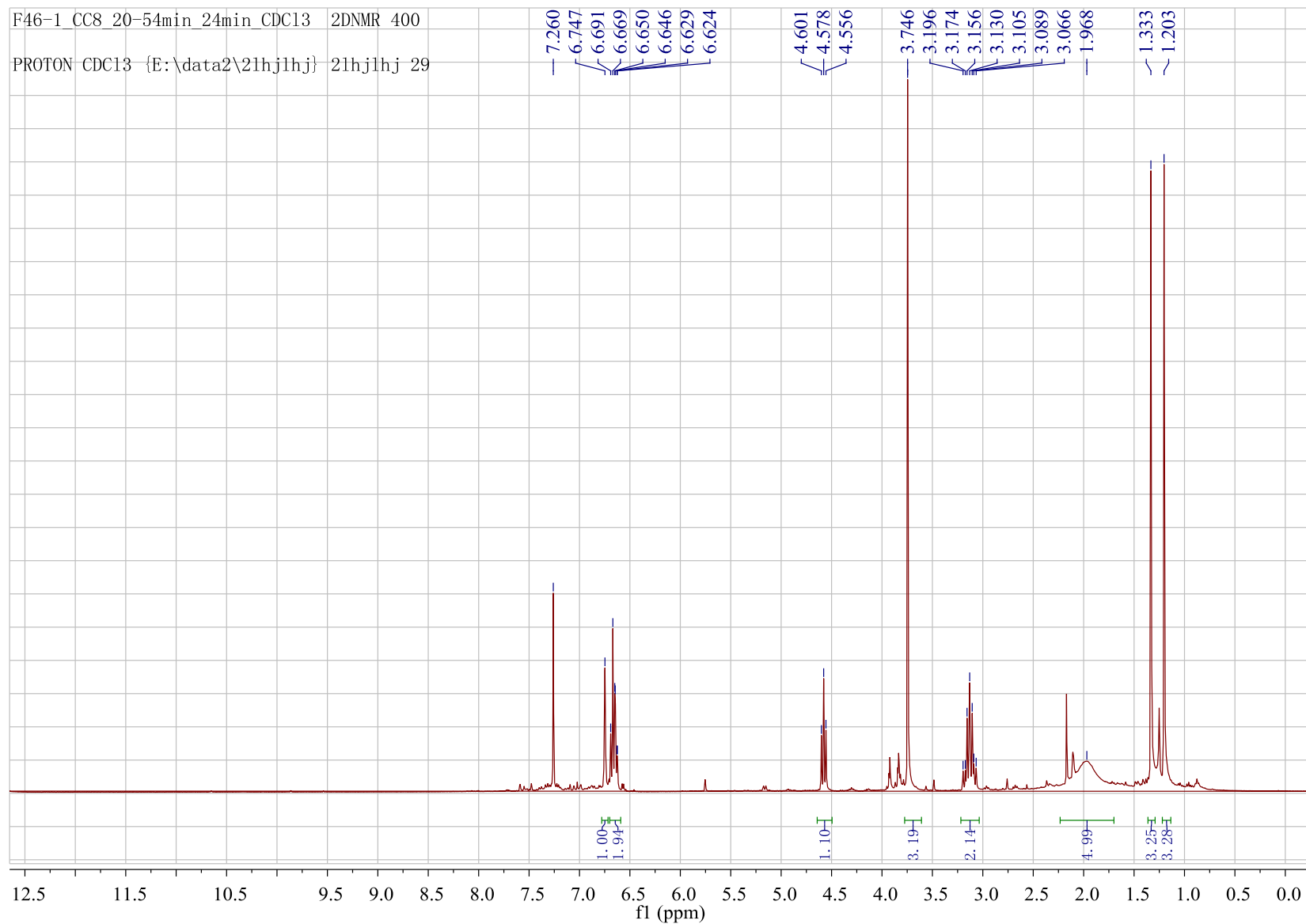
Figure S19. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectrum of (*R*)-2-(2-hydroxypropan-2-yl)-2,3-dihydro-5-methoxybenzofuran (**4**).

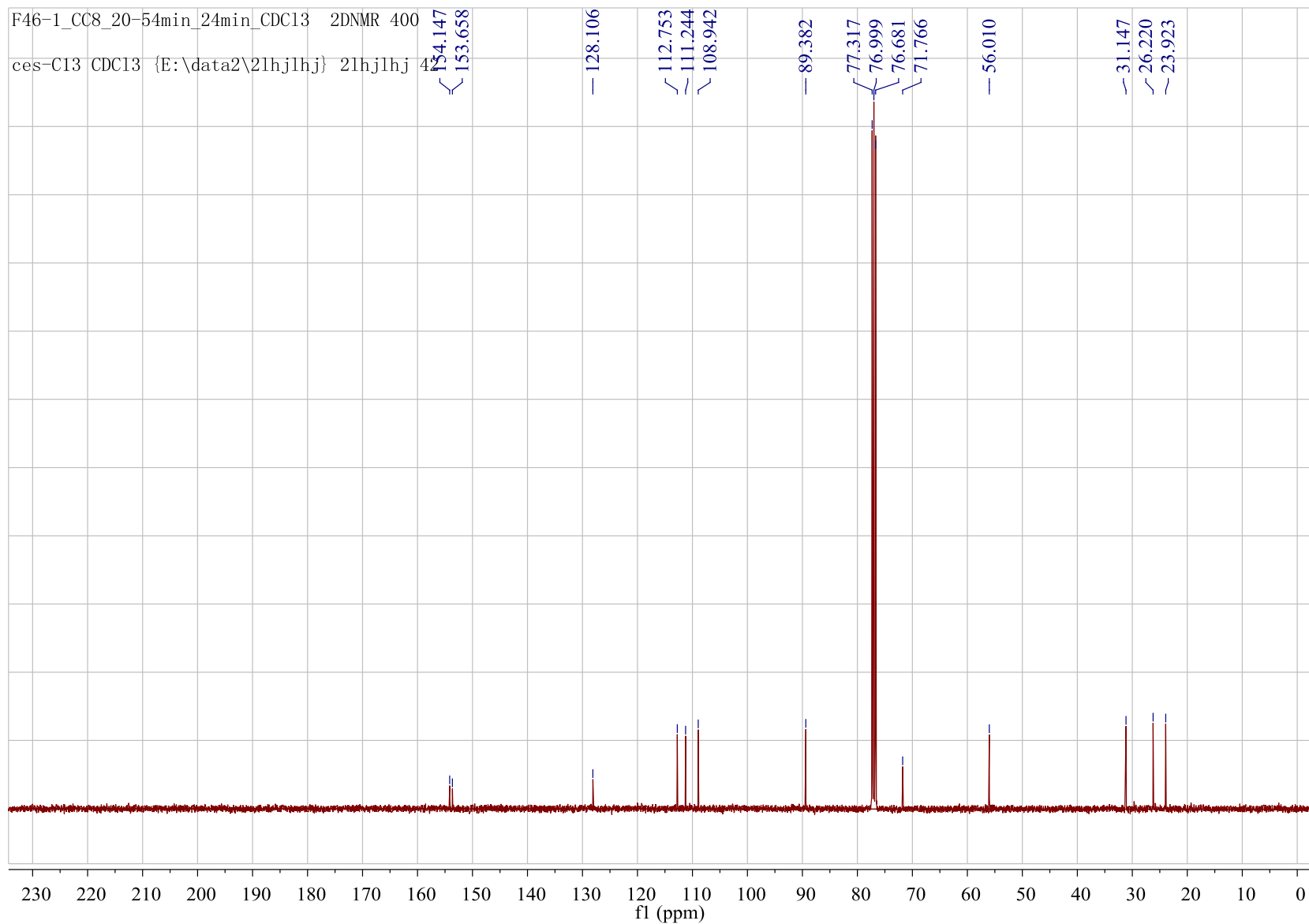
Figure S20. ^{13}C -NMR (100 MHz, CDCl_3) spectrum of (*R*)-2-(2-hydroxypropan-2-yl)-2,3-dihydro-5-methoxybenzofuran (**4**).

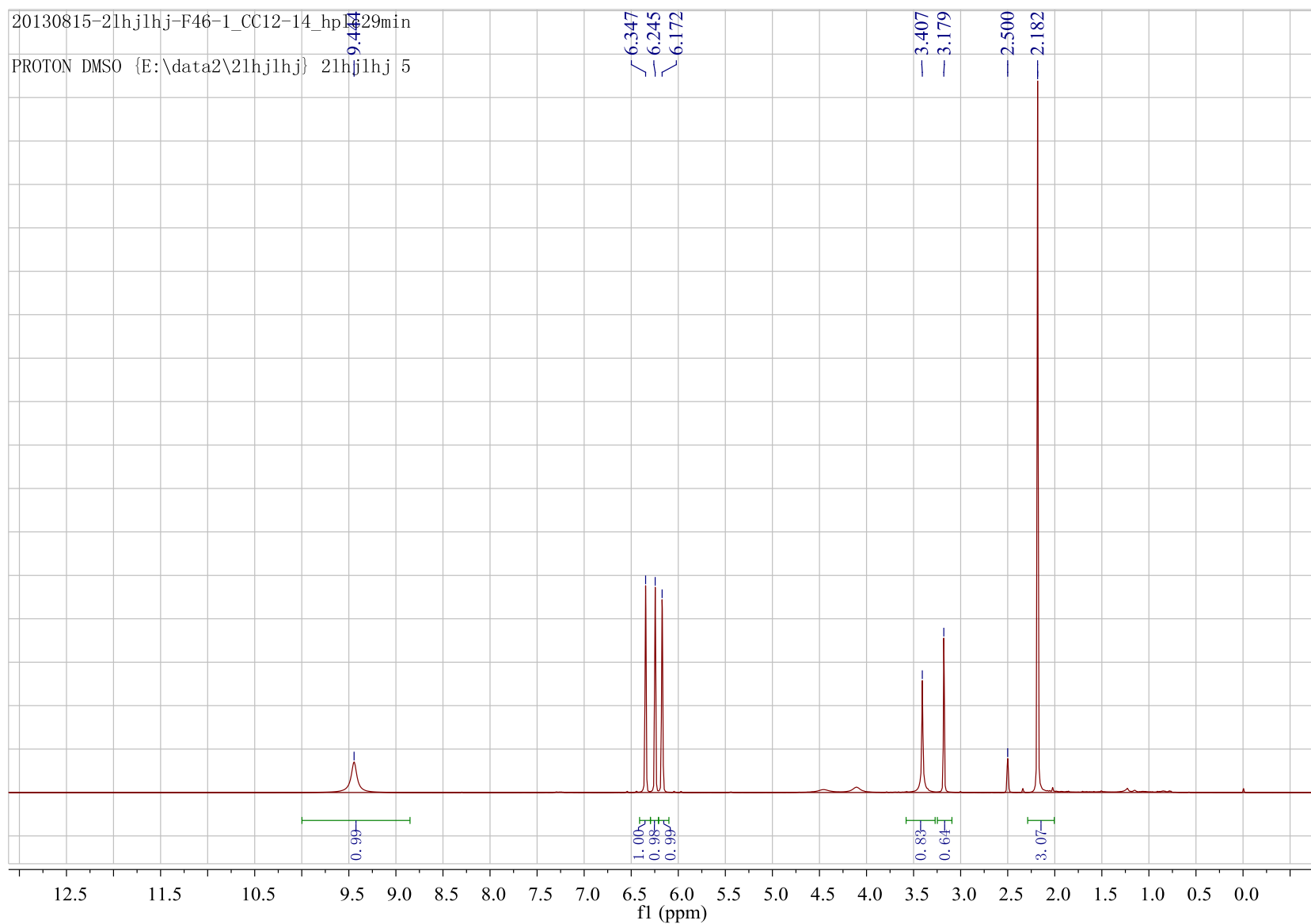
Figure S21. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectrum of 3,3'-dihydroxyl-5,5'-dimethyldiphenyl ether (**5**).

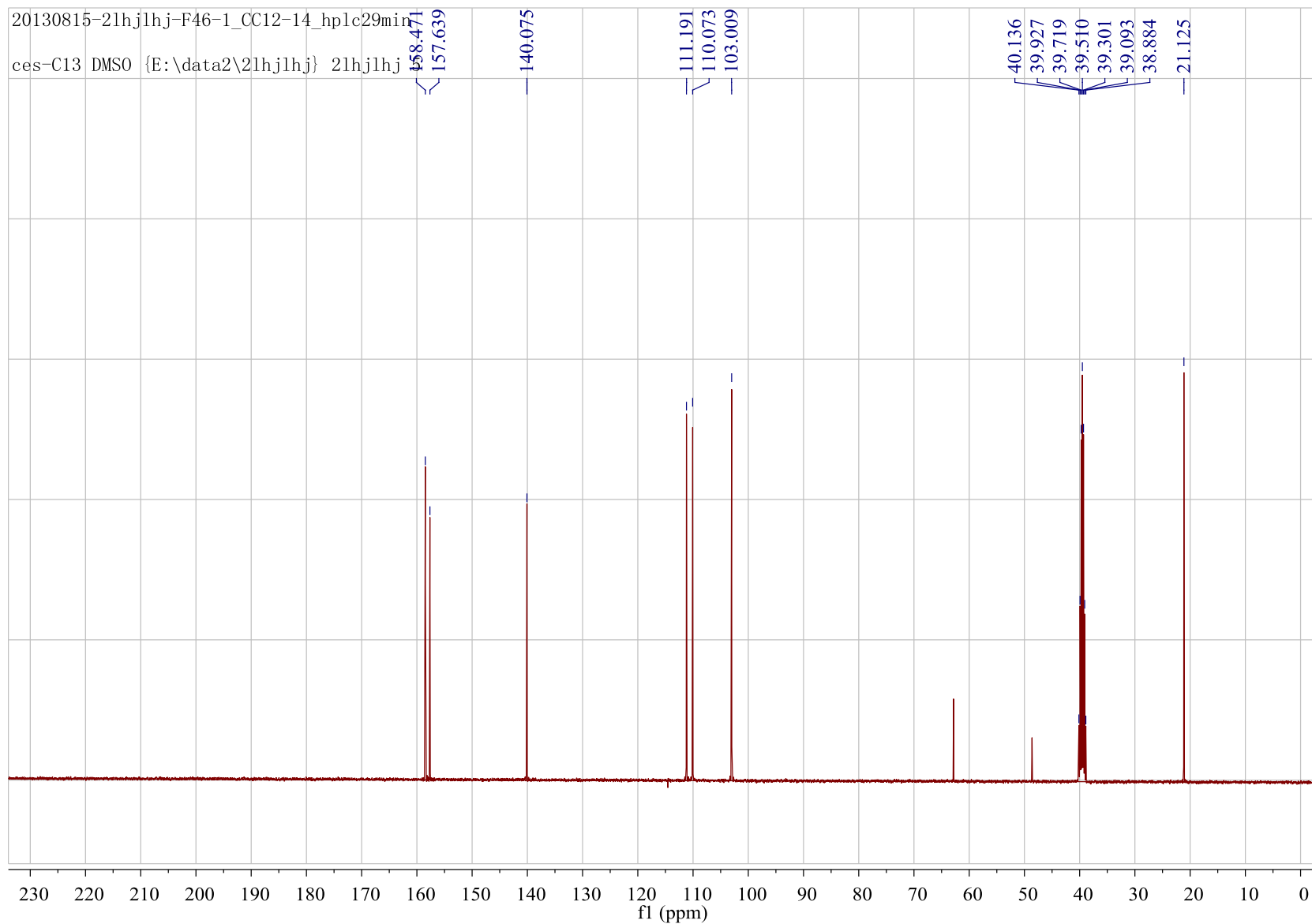
Figure S22. ^{13}C -NMR (100 MHz, CDCl_3) spectrum of 3,3'-dihydroxyl-5,5'-dimethyldiphenyl ether (**5**).

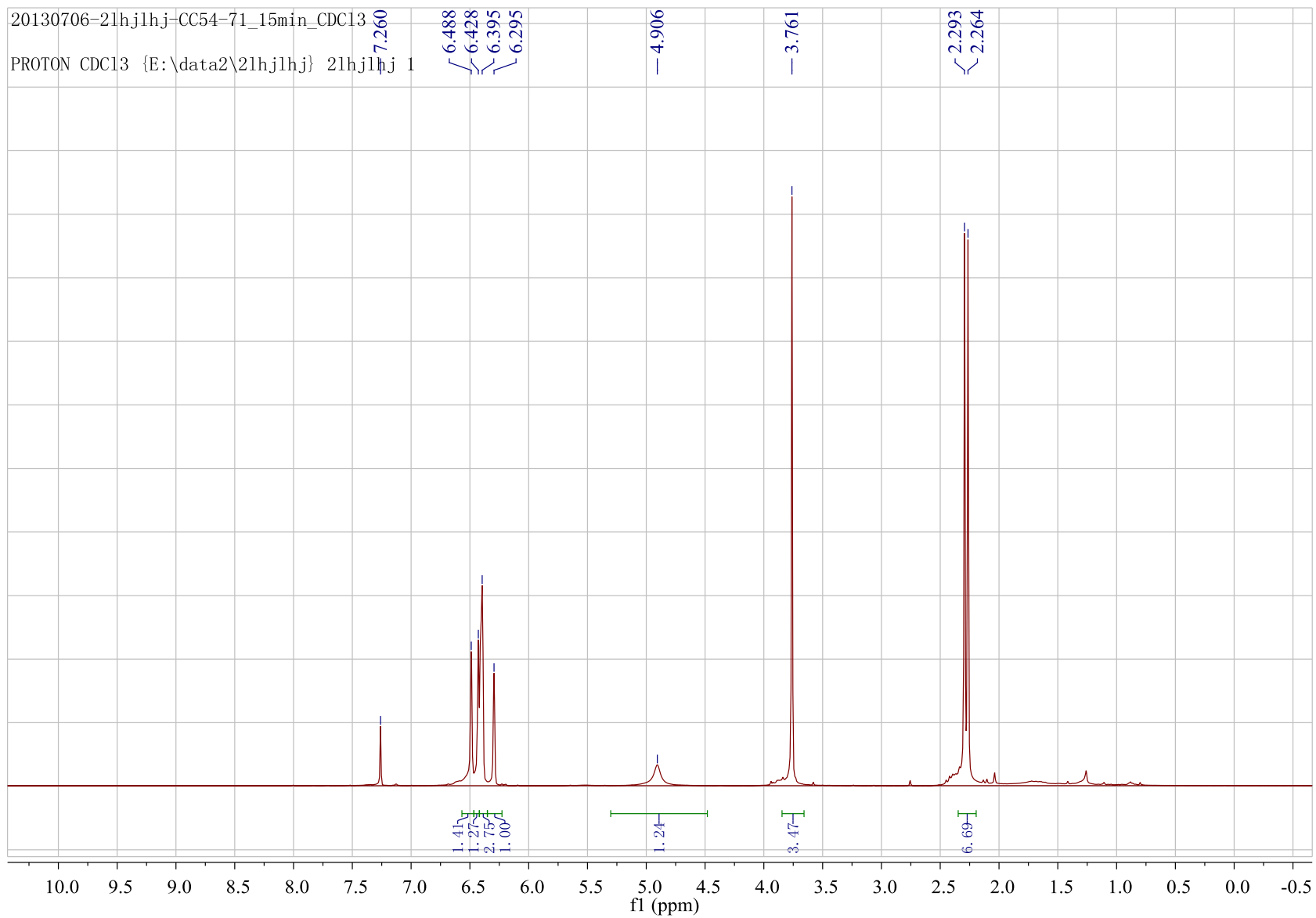
Figure S23. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectrum of 3-(3-methoxy-5-methylphenoxy)-5-methylphenol (**6**).

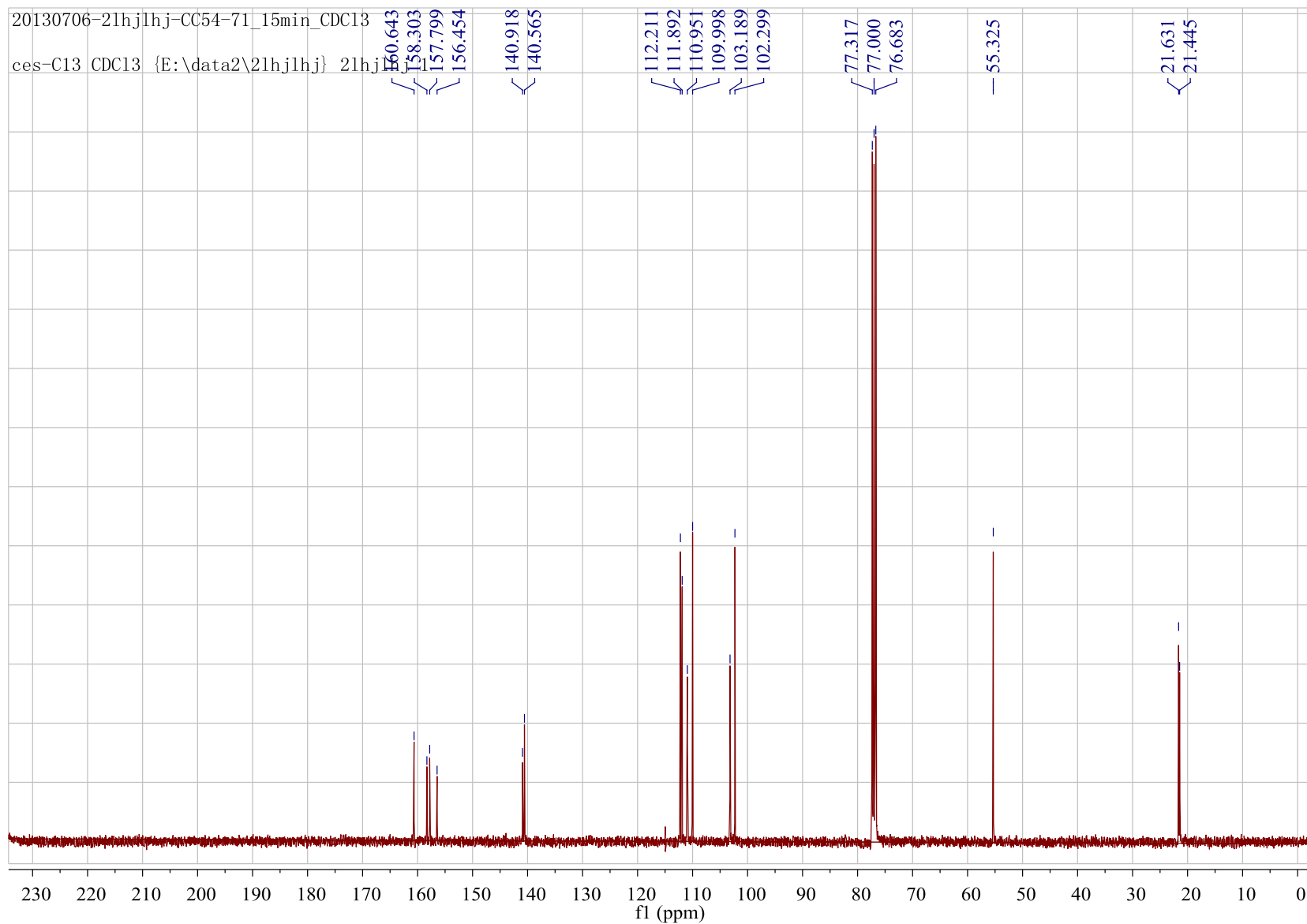
Figure S24. ^{13}C -NMR (100 MHz, CDCl_3) spectrum of 3-(3-methoxy-5-methylphenoxy)-5-methylphenol (**6**).

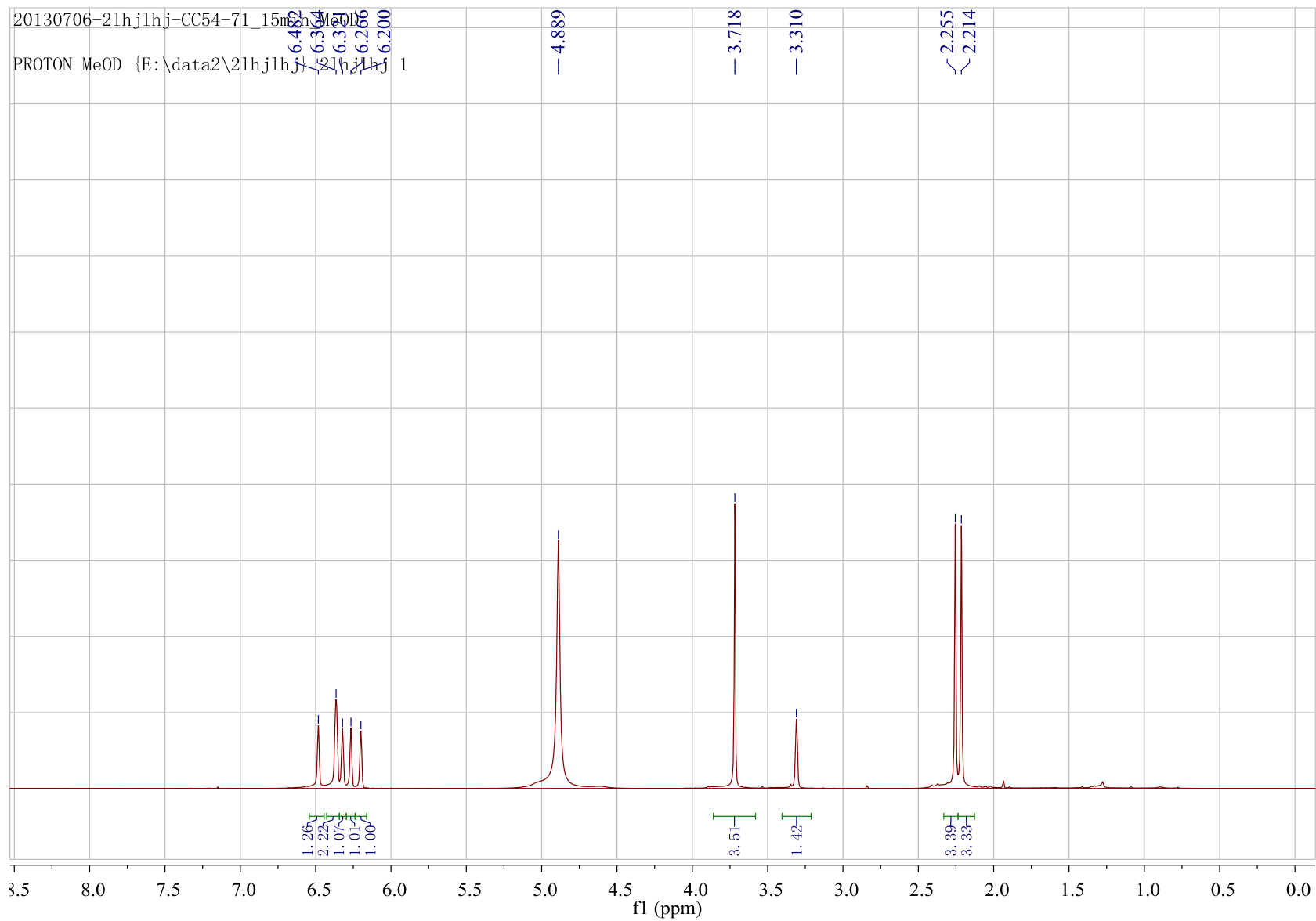
Figure S25. $^1\text{H-NMR}$ (400 MHz, CD_3OD) spectrum of 3-(3-methoxy-5-methylphenoxy)-5-methylphenol (**6**).

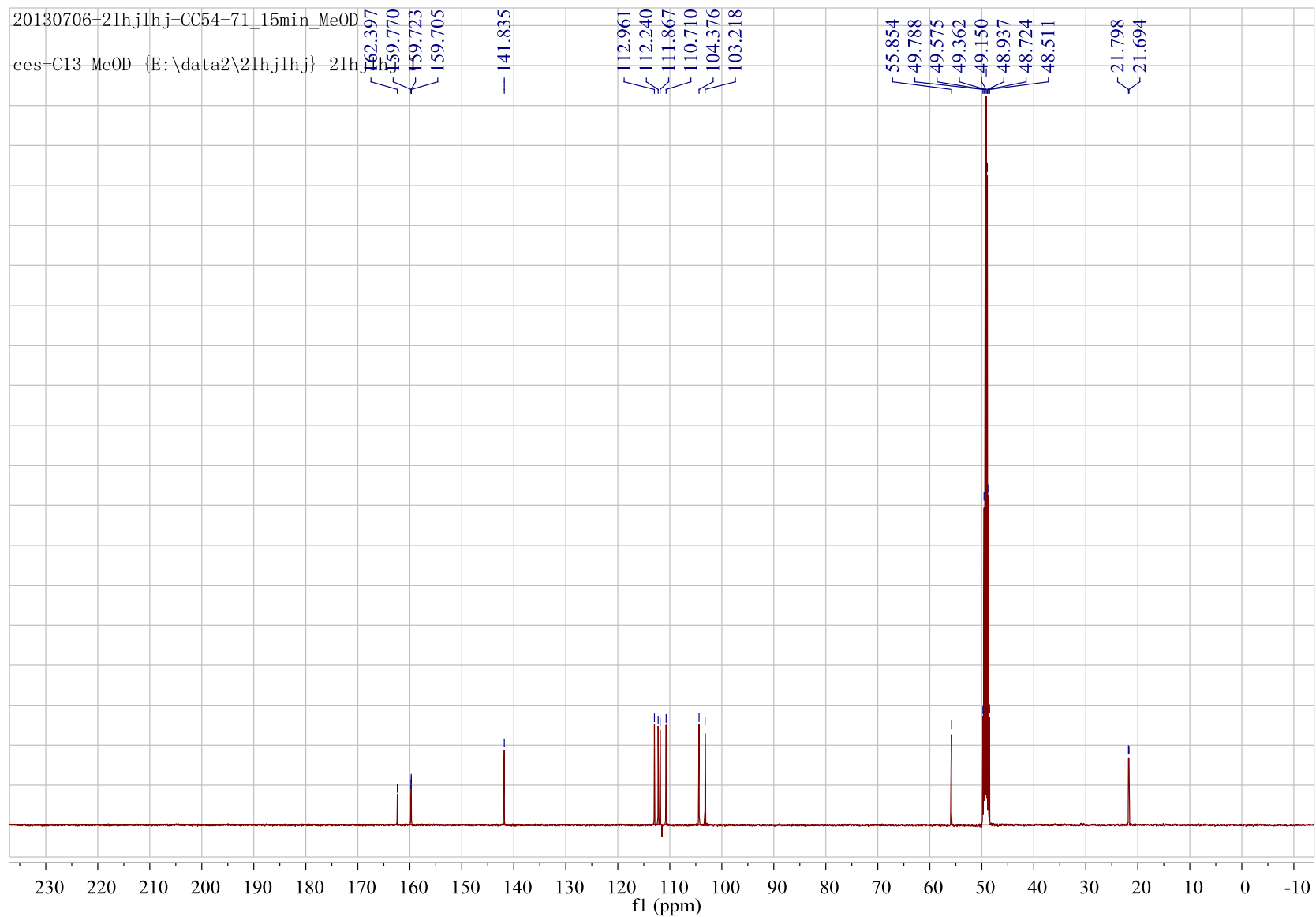
Figure S26. ^{13}C -NMR (100 MHz, CD_3OD) spectrum of 3-(3-methoxy-5-methylphenoxy)-5-methylphenol (**6**).

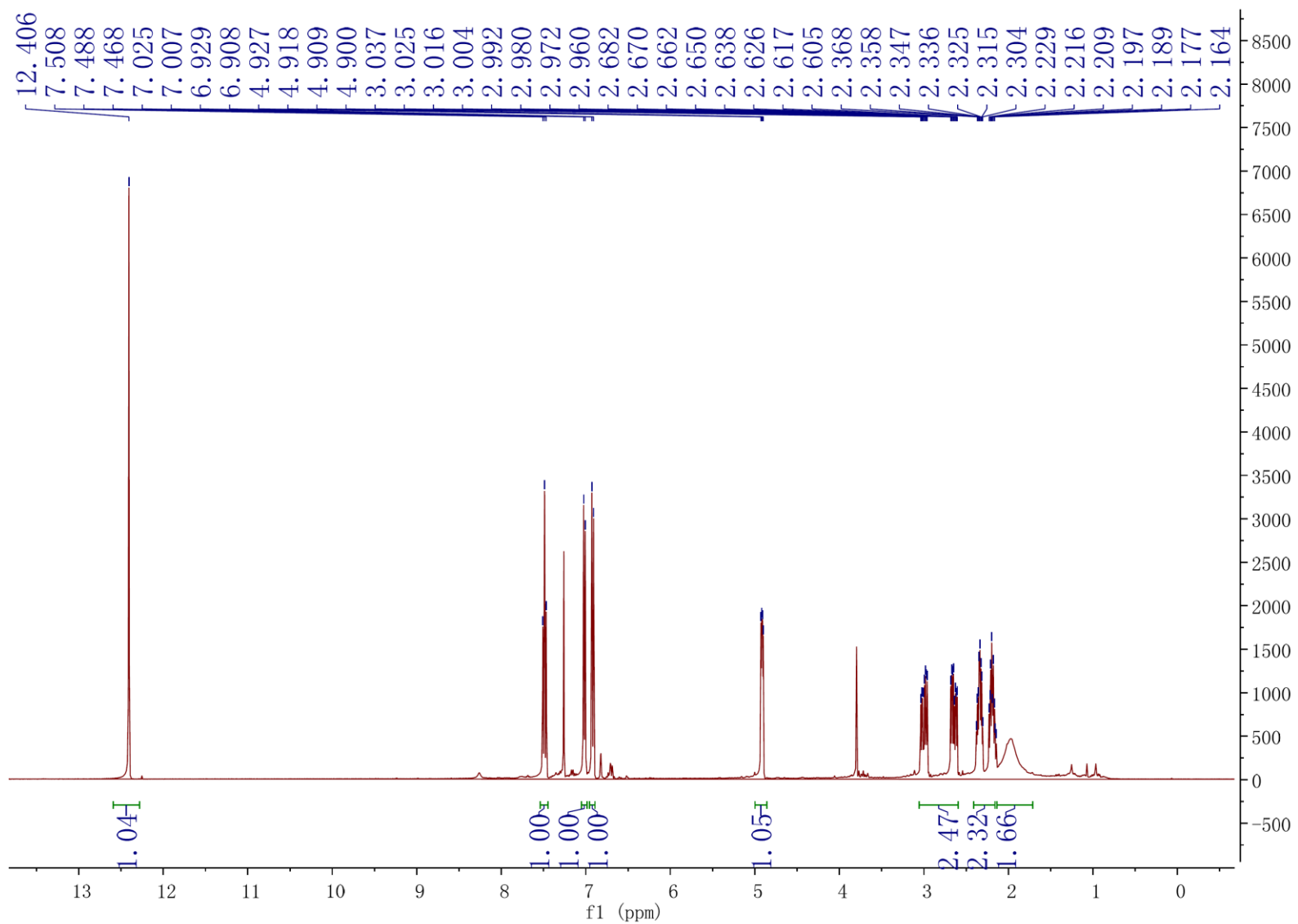
Figure S27. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectrum of (-)-regiolone (**7**).

Figure S28. ^{13}C -NMR (100 MHz, CDCl_3) spectrum of (-)-regiolone (**7**).