SUPPORTING INFORMATION

Photolytic degradation of Alzheimer's amyloid Aβ_{42}-fibrils by sialic acid decorated glycodendrimers

Rituparna Das,[a] Swarnendu Roy,[b] Rahul Das,[b]* Balaram Mukhopadhyay[a]*

[a]*Sweet Lab, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur, Nadia 741246, India*

[b]*Molecular Signaling Group, Department of Biological Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur, Nadia 741246. India*

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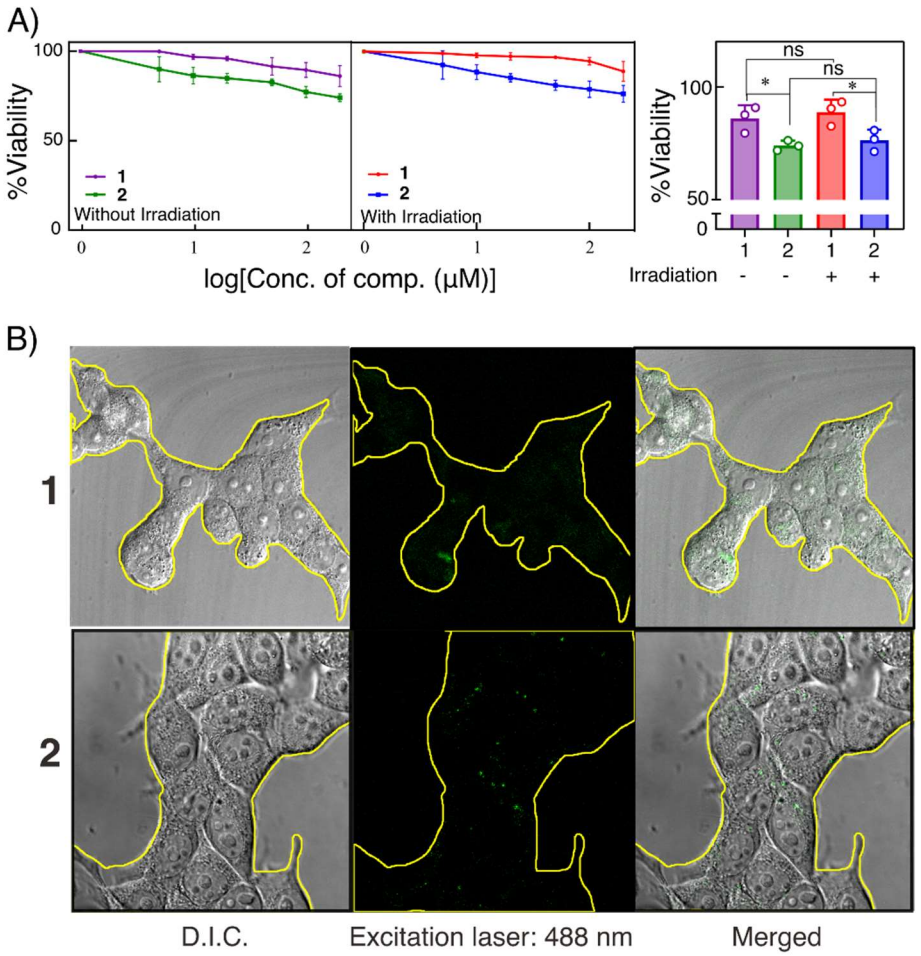


Figure S1: The glycodendrimers exhibits low inherent toxicity and cellular update in HEK293 cells.

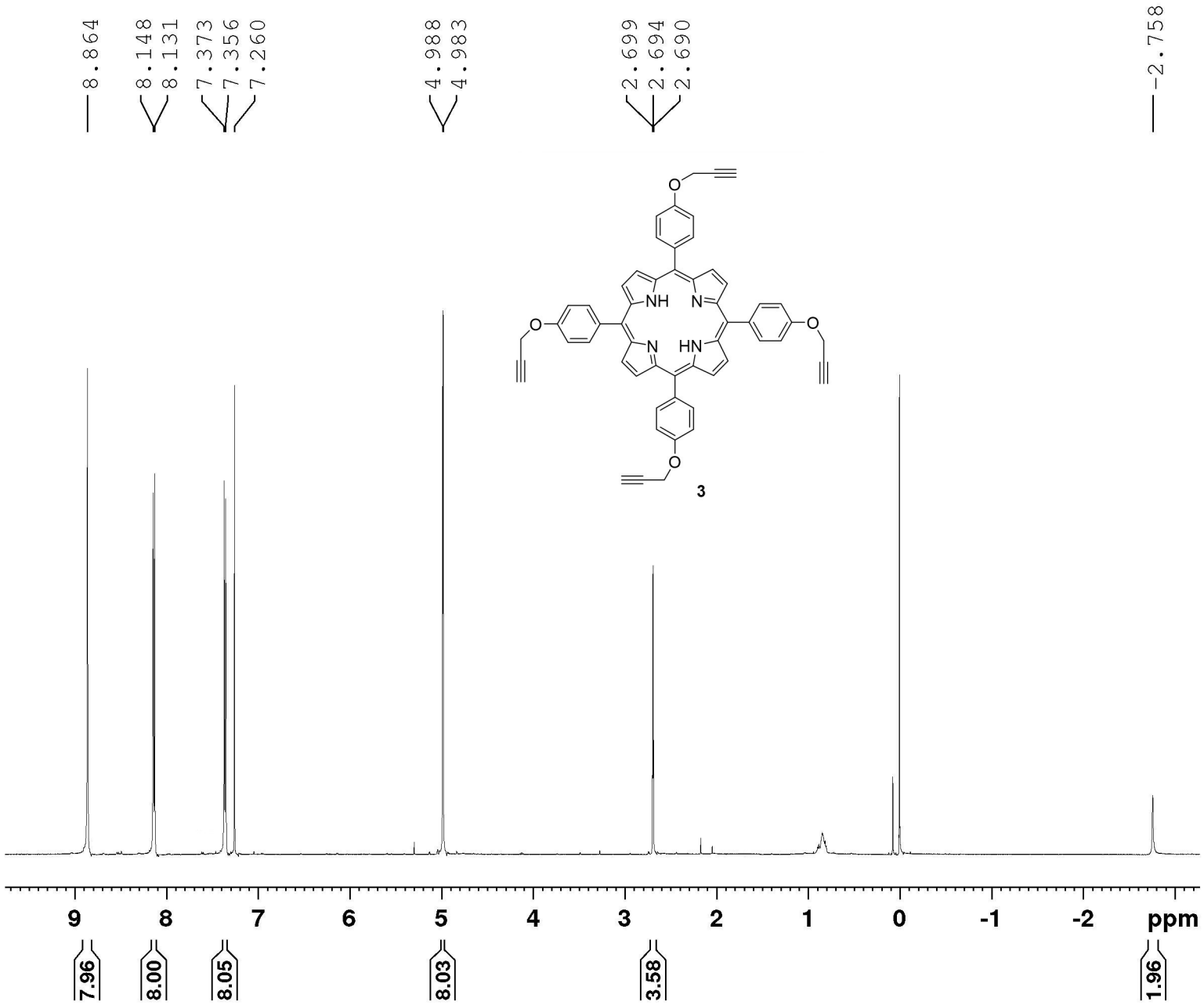
A) Cytotoxicity of **1** and **2** studied in HEK293 cells with and without irradiation. The points represent percentage viability at each compound concentration (left). The bar represents the cell viability after incubation (48 hours) and irradiation (15 minutes) (right). The error bars represent the S.D. from three separate experiments.

B). Cellular uptake of **1** and **2** in HEK293 cells studied using confocal microscopy. The DIC image (left) was superimposed on the fluorescence image (middle) to produce the merged image (right). The yellow lines indicate the cell membrane.

Table S1: The theoretical hydrodynamic radius and radius of gyration for the $A\beta_{42}$ monomer and oligomers were calculated using Hullrad algorithm (Sl. No.: 1-11). The PDB IDs 6SZF (monomer) and 5KK3(18 $A\beta_{42}$ fibrils) were used for the calculation. The data was linearly extrapolated to obtain the number of fibrils approximately required to form a $A\beta_{42}$ oligomer with 100 nm radius (as obtained using DLS measurements).

Sl. no.	No. of Amino Acids	Fibrils	Radius of Gyration (nm)	Hydrodynamic radius(nm)
1	42	1	1.658	1.542
2	576	18	2.203	3.046
3	1152	36	2.939	3.759
4	1728	54	4.121	4.44
5	2304	72	5.24	4.977
6	2880	90	6.402	5.483
7	5760	180	12.641	7.594
8	8640	270	19.020	9.379
9	12672	396	27.843	12.353
10	23616	738	50.565	16.486
11	44352	1386	94.969	24.001
12	~192000	~6000 (Extrapolated Value)	~400	~100 (Obtained from DLS)

BM-RD-PORPHYRIN in CDCl3



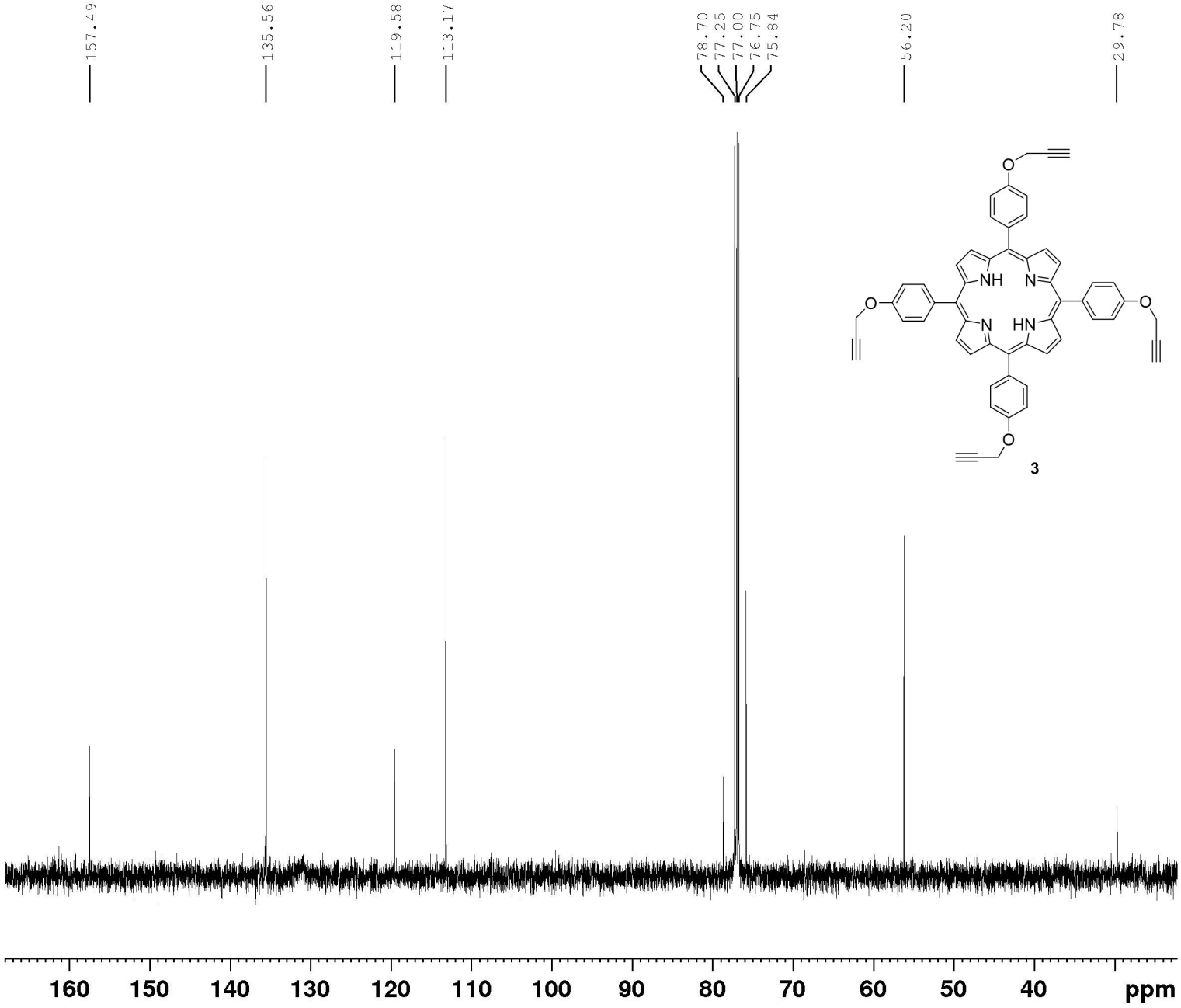
Curr
NAME
EXPNO 90
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150518
Time 15.21
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 15000.000 Hz
FIDRES 0.228882 Hz
AQ 2.1845334 sec
RG 203
DW 33.333 usec
DE 6.50 usec
TE 1381.7 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.25 usec
PL1 1.30 dB
PL1W 15.30635643 W
SFO1 500.2325012 MHz

F2 - Processing parameters
SI 131072
SF 500.2300158 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

BM-RD-PORPHYRIN in CDCl3

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Current Data Parameters
NAME      BM-RD-PORPHYRIN
EXPNO                  91
PROCNO                  1

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Time               15.27
INSTRUM            spect
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PULPROG             zgdc
TD                 65536
SOLVENT            CDCl3
NS                   262
DS                     4
SWH            29761.904 Hz
FIDRES          0.454131 Hz
AQ             1.1010048 sec
RG                   203
DW                16.800 usec
DE                 6.50 usec
TE                1380.7 K
D1           2.00000000 sec
D11          0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
NUC1                  13C
P1                   9.50 usec
PL1                 -0.50 dB
PL1W        90.18825531 W
SFO1       125.7955118 MHz

======== CHANNEL f2 ========
CPDPRG[2         waltz16
NUC2                  1H
PCPD2              80.00 usec
PL2                 1.30 dB
PL12               16.00 dB
PL2W        15.30635643 W
PL12W        0.51864696 W
SFO2       500.2320009 MHz

F2 - Processing parameters
SI                 32768
SF          125.7829351 MHz
WDW                   EM
SSB       0
LB                  1.00 Hz
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PC                  1.40
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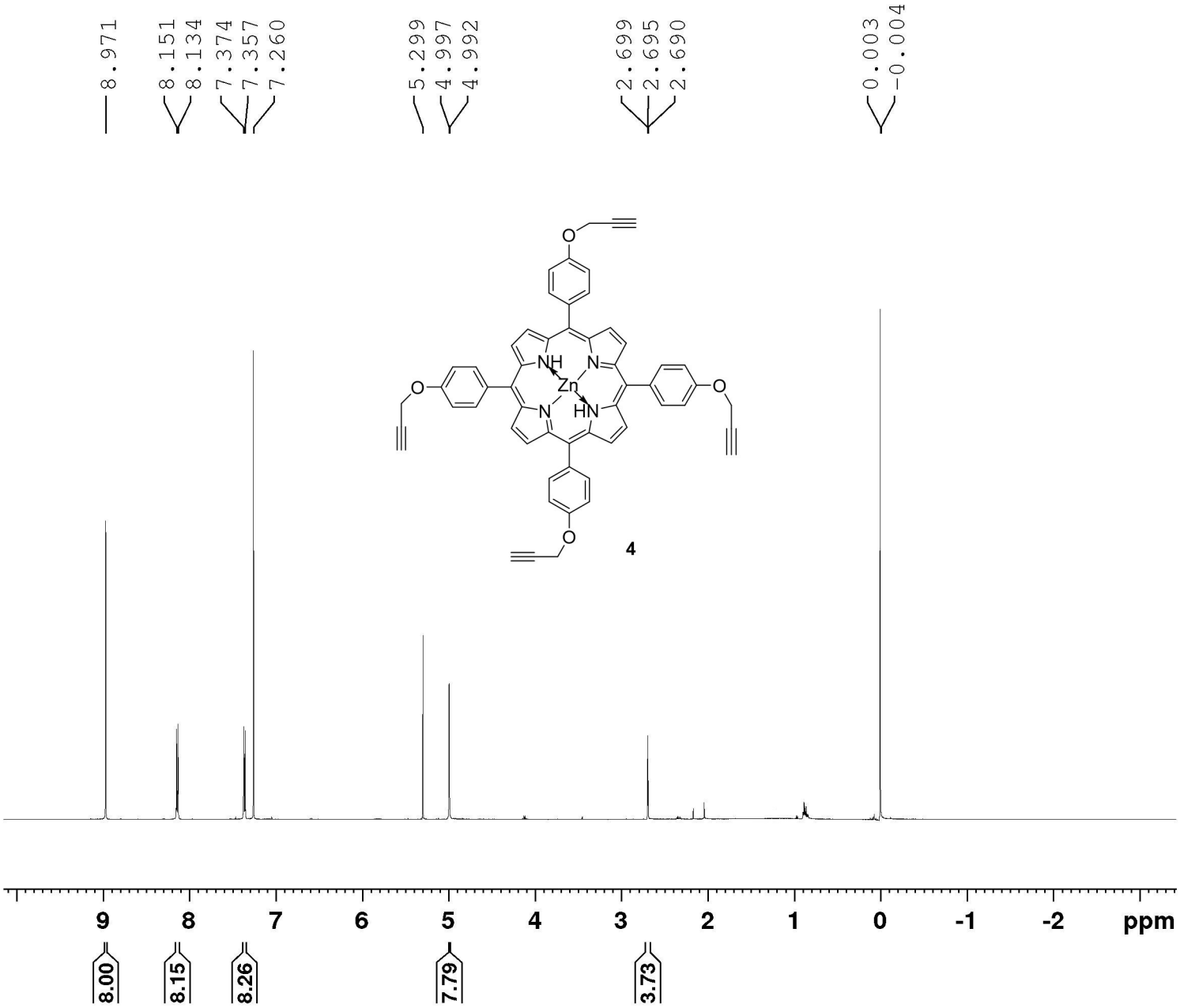
BM-RD-ZINCP in CDCl3



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EXPNO 140
PROCNO 1

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Time 12.24
INSTRUM spect
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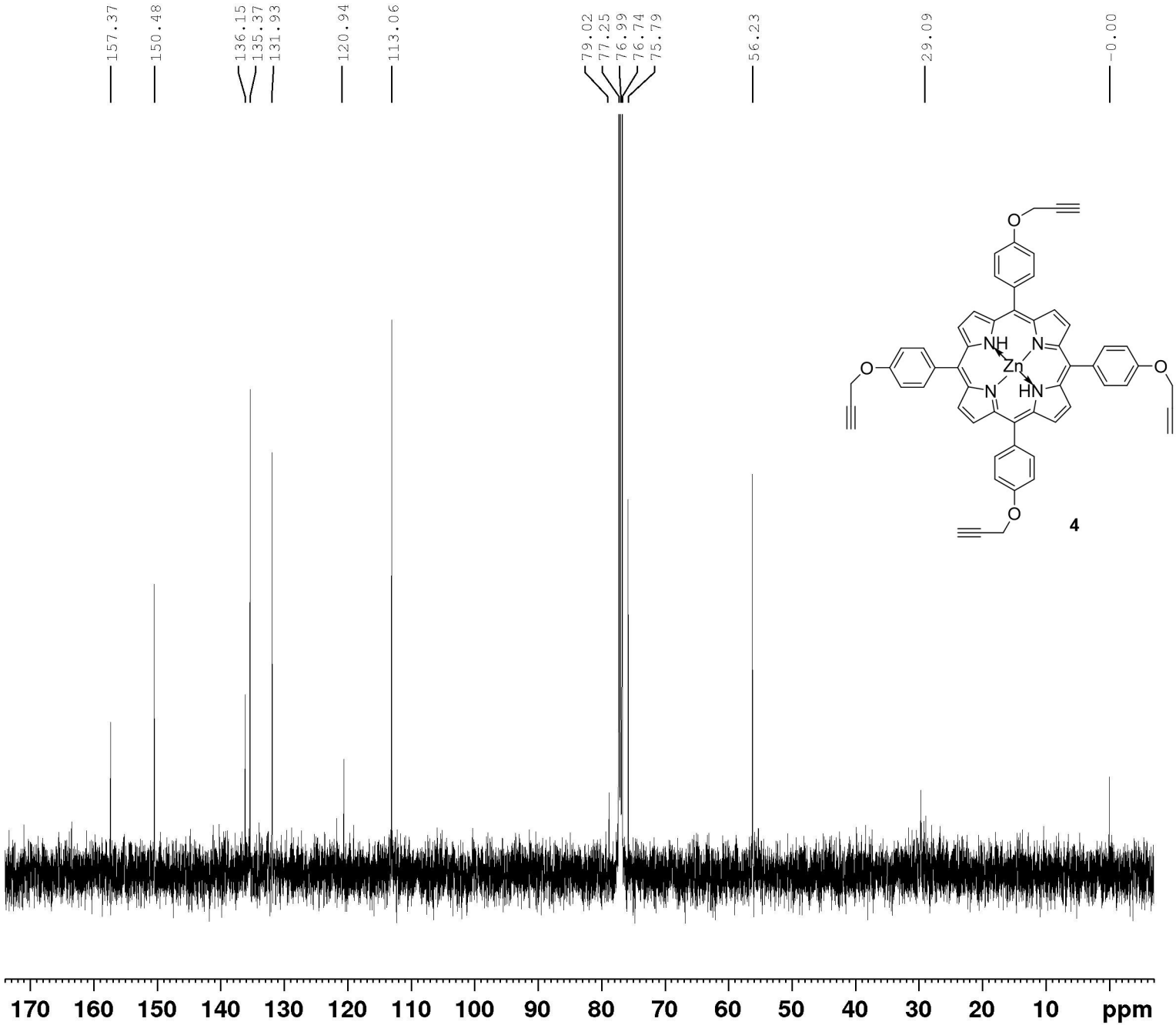
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 32
DS 2
SWH 10000.000 Hz
FIDRES 0.152588 Hz
AQ 3.2767999 sec
RG 203
DW 50.000 usec
DE 6.50 usec
TE 1237.8 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.25 usec
PL1 1.30 dB
PL1W 15.30635643 W
SFO1 500.2325012 MHz

F2 - Processing parameters
SI 131072
SF 500.2300156 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

BM-RD-ZINCP in CDCl3



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Current Data Parameters
NAME          BM-RD-ZINCP
EXPNO                 141
PROCNO                  1

F2 - Acquisition Parameters
Date_           20150525
Time               12.33
INSTRUM            spect
PROBHD   5 mm PABBO BB-
PULPROG            zgdc
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH           29761.904 Hz
FIDRES         0.454131 Hz
AQ             1.1010048 sec
RG                  203
DW               16.800 usec
DE                6.50 usec
TE               1233.8 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                   1

======== CHANNEL f1 ========
NUC1                13C
P1                9.50 usec
PL1              -0.50 dB
PL1W        90.18825531 W
SFO1       125.7955118 MHz

======== CHANNEL f2 ========
CPDPRG[2         waltz16
NUC2                1H
PCPD2            80.00 usec
PL2               1.30 dB
PL12             16.00 dB
PL2W        15.30635643 W
PL12W        0.51864696 W
SFO2       500.2320009 MHz

F2 - Processing parameters
SI                 32768
SF         125.7829343 MHz
WDW                   EM
SSB       0
LB                1.00 Hz
GB        0
PC                1.40
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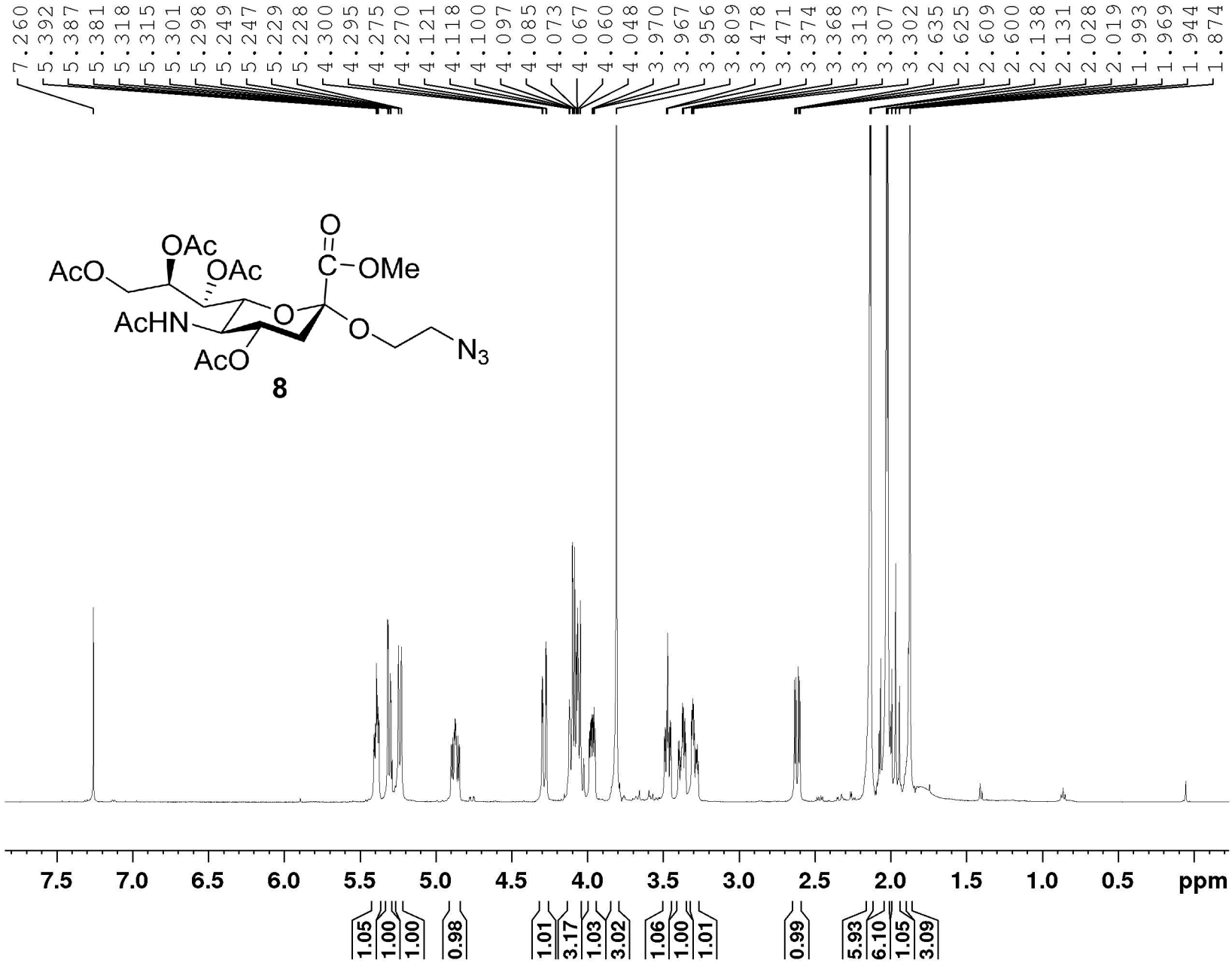
GROUP BM

BM-RD-031 in CDCl3

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Current Data Parameters
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EXPNO                       110
PROCNO                        1

F2 - Acquisition Parameters
Date_                  20210727
Time                      15.27
INSTRUM  Bruker_default_av500
PROBHD   5 mm PABBO BB/
PULPROG                   zg30
TD                       32768
SOLVENT                  CDCl3
NS                          32
DS                           2
SWH                10000.000 Hz
FIDRES              0.305176 Hz
AQ                  1.6384000 sec
RG                           8
DW                     50.000 usec
DE                      6.50 usec
TE                     -2232.8 K
D1                  1.00000000 sec
TD0                          1

======== CHANNEL f1 ========
SFO1             500.4530898 MHz
NUC1                       1H
P1                      30.00 usec
PLW1            10.00000000 W

F2 - Processing parameters
SI                       16384
SF                 500.4500113 MHz
WDW                         EM
SSB          0
LB                       0.30 Hz
GB           0
PC                       1.00
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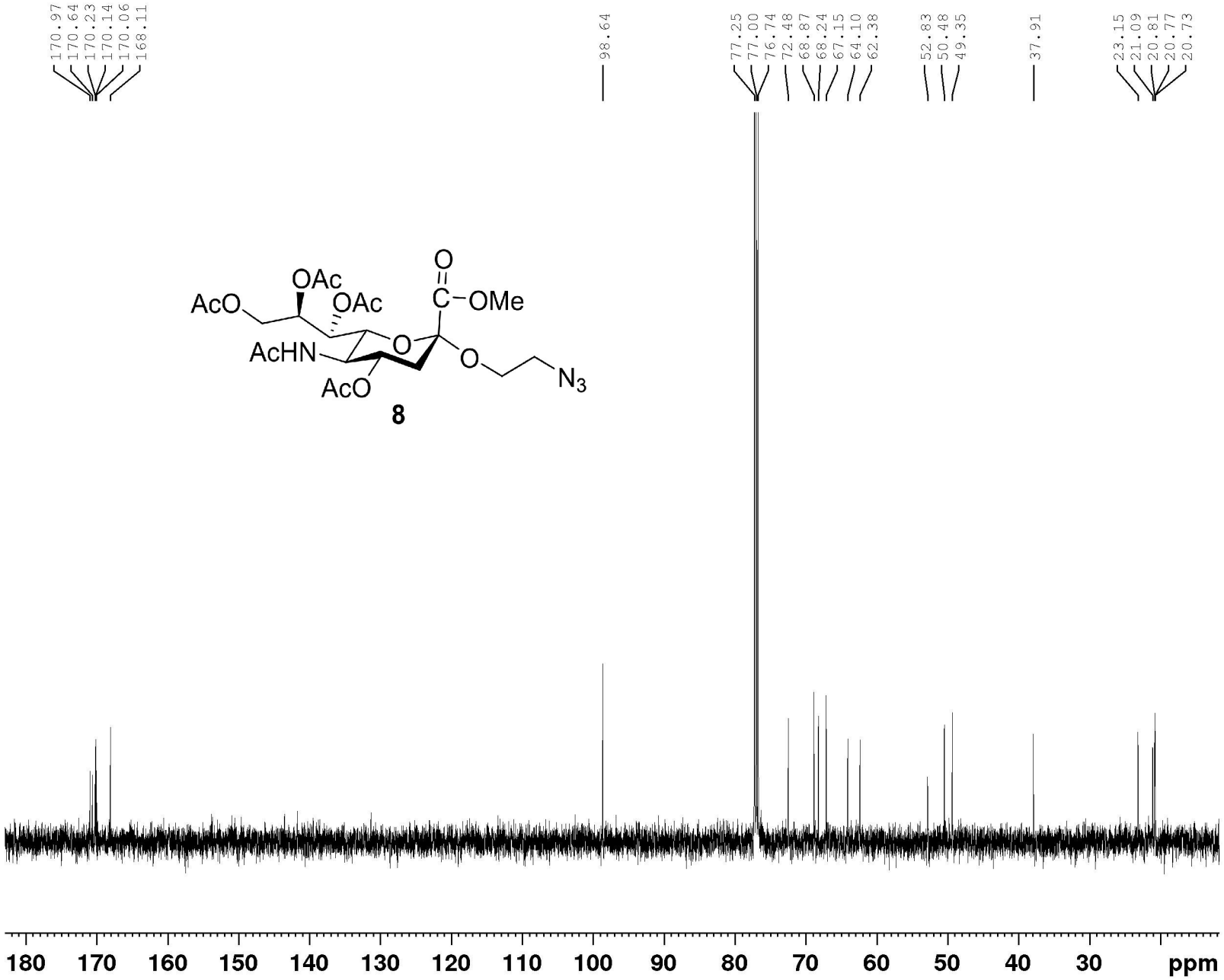
GROUP BM
BM-RD-031 in CDCl3

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Current Data Parameters
NAME            BM-RD-031
EXPNO                 111
PROCNO                  1

F2 - Acquisition Parameters
Date_            20210727
Time                15.31
INSTRUM  Bruker_default_av500
PROBHD   5 mm PABBO BB/
PULPROG            zgpg30
TD                  65536
SOLVENT             CDCl3
NS                    105
DS                      2
SWH           37878.789 Hz
FIDRES         0.577984 Hz
AQ             0.8650752 sec
RG                      8
DW                 13.200 usec
DE                  6.50 usec
TE                -2192.1 K
D1           2.00000000 sec
D11          0.03000000 sec
TD0                     1

======== CHANNEL f1 ========
SFO1         125.8508346 MHz
NUC1                  13C
P1                 11.50 usec
PLW1         66.00000000 W

======== CHANNEL f2 ========
SFO2         500.4520014 MHz
NUC2                   1H
CPDPRG[2          waltz16
PCPD2              137.00 usec
PLW2         10.00000000 W
PLW12         0.47852001 W
PLW13         0.24043630 W

F2 - Processing parameters
SI                  32768
SF           125.8382578 MHz
WDW                    EM
SSB       0
LB                  1.00 Hz
GB        0
PC                  1.35
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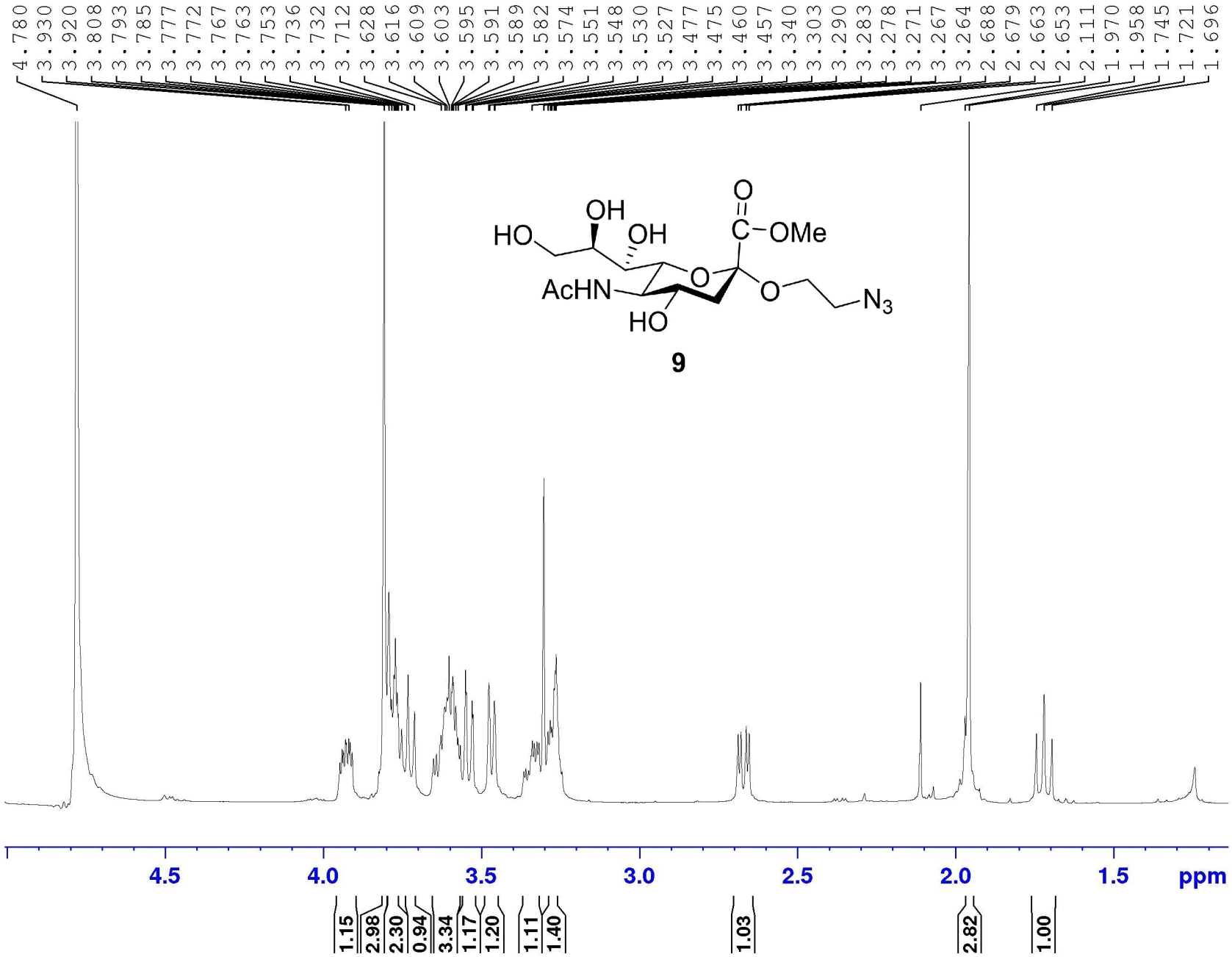
GROUP BM
BM-RD-132upper in MEOD



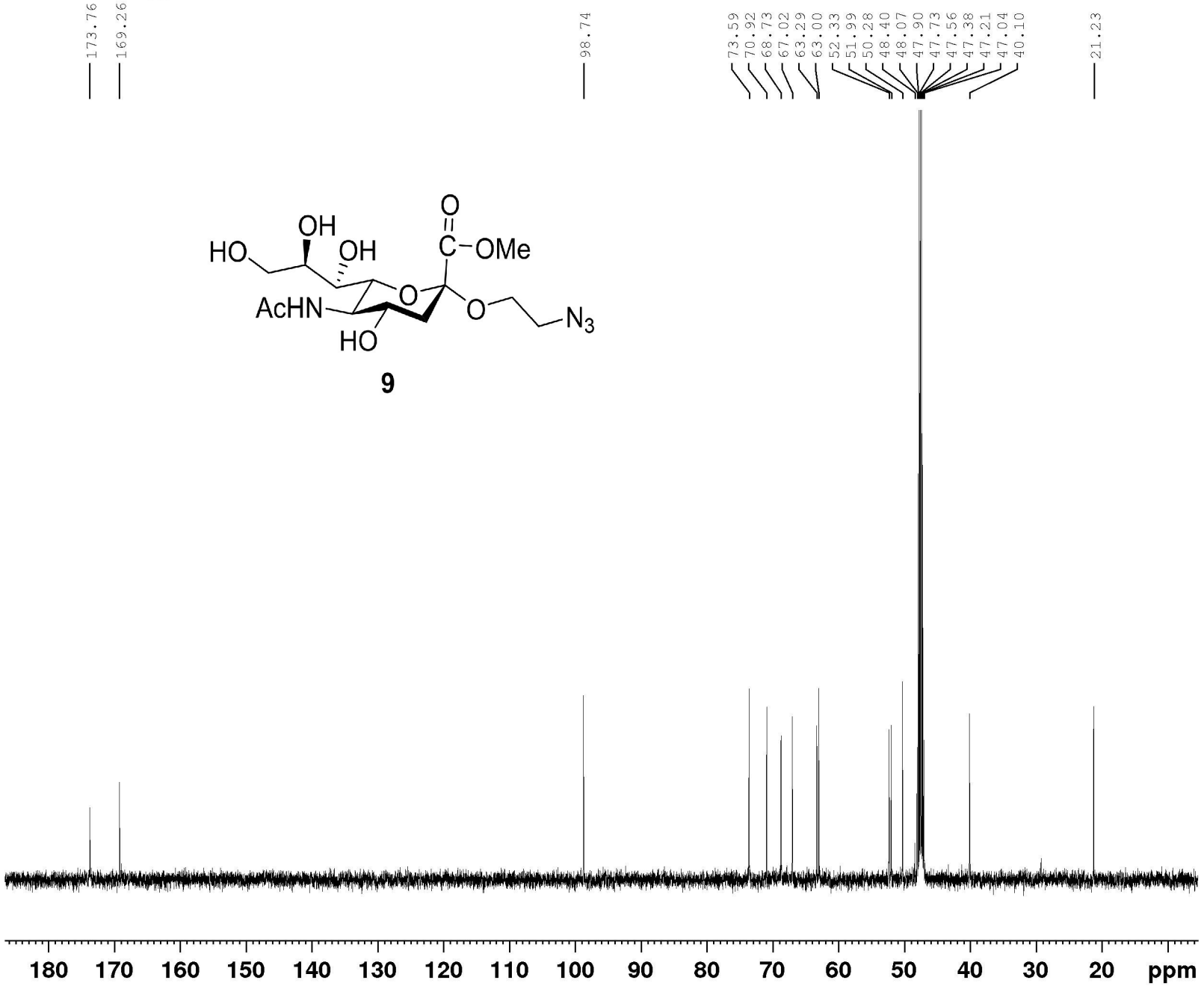
NAME BM-RD-132upper
EXPNO 80
PROCNO 1

F2 - Acquisition Parameters
Date_ 20190226
Time 12.40
INSTRUM Bruker_default_av500
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 66560
SOLVENT MeOD
NS 16
DS 2
SWH 9469.697 Hz
FIDRES 0.142273 Hz
AQ 3.5143681 sec
RG 90.5
DW 52.800 usec
DE 6.50 usec
TE 300.8 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 500.3445031 MHz
NUC1 1H
P1 17.50 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 131072
SF 500.3400324 MHz
WDW EM
SSB 0
LB 0.60 Hz
GB 0
PC 1.00

GROUP BM
BM-RD-132upper in MeOD



Current Data Parameters
NAME BM-RD-132upper
EXPNO 81
PROCNO 1

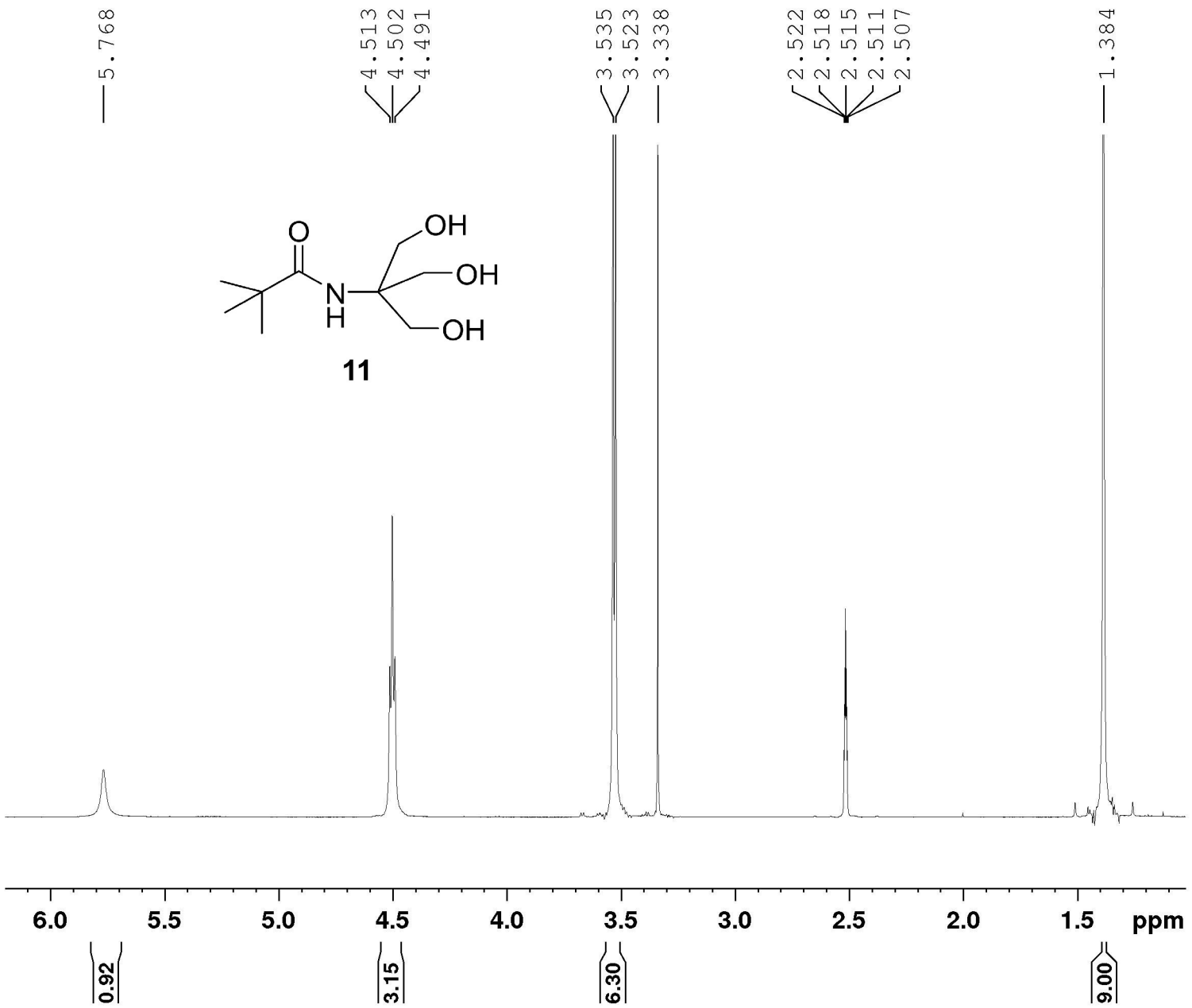
F2 - Acquisition Parameters
Date_ 20190226
Time 12.45
INSTRUM Bruker_default_av500
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT MeOD
NS 98
DS 4
SWH 43859.648 Hz
FIDRES 0.669245 Hz
AQ 0.7471104 sec
RG 203
DW 11.400 usec
DE 6.50 usec
TE 301.6 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 125.8294646 MHz
NUC1 13C
P1 11.50 usec
PLW1 66.00000000 W

======== CHANNEL f2 ========
SFO2 500.3420014 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 80.00 usec
PLW2 10.00000000 W
PLW12 0.47852001 W
PLW13 0.24068999 W

F2 - Processing parameters
SI 32768
SF 125.8106005 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

BM-RD-011 in DMSO-d6

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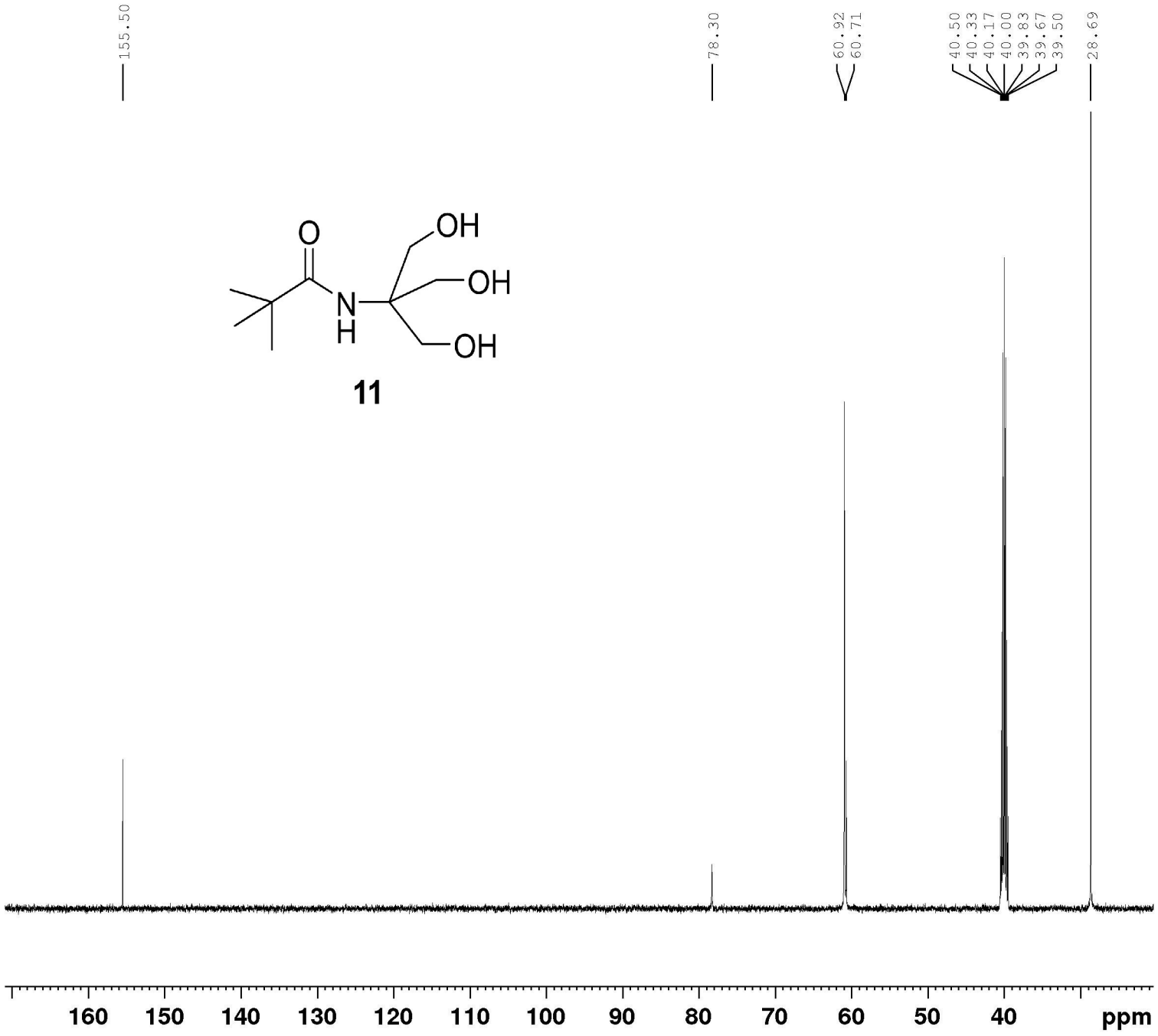
Current Data Parameters
NAME                  BM-RD-011
EXPNO                       170
PROCNO                        1

F2 - Acquisition Parameters
Date_                  20150420
Time                      16.35
INSTRUM                   spect
PROBHD    5 mm PABBO BB-
PULPROG                    zg30
TD                        65536
SOLVENT                    DMSO
NS                           16
DS                            2
SWH                  10330.578 Hz
FIDRES                0.157632 Hz
AQ                    3.1719425 sec
RG                          144
DW                     48.400 usec
DE                      6.50 usec
TE                     1078.2 K
D1                  1.00000000 sec
TD0                           1

======== CHANNEL f1 ========
NUC1                         1H
P1                      14.25 usec
PL1                      1.30 dB
PL1W               15.30635643 W
SFO1               500.2330891 MHz

F2 - Processing parameters
SI                        32768
SF                 500.2300000 MHz
WDW                          EM
SSB          0
LB                       0.30 Hz
GB           0
PC                       1.00
```

BM-RD-011 in DMSO-d6

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Current Data Parameters
NAME                  BM-RD-011
EXPNO                       171
PROCNO                        1

F2 - Acquisition Parameters
Date_                  20150420
Time                      16.39
INSTRUM                   spect
PROBHD    5 mm PABBO BB-
PULPROG                    zgdc
TD                        65536
SOLVENT                    DMSO
NS                          653
DS                            4
SWH                   29761.904 Hz
FIDRES                 0.454131 Hz
AQ                    1.1010048 sec
RG                          203
DW                       16.800 usec
DE                        6.50 usec
TE                       1079.3 K
D1                  2.00000000 sec
D11                 0.03000000 sec
TD0                           1

======== CHANNEL f1 ========
NUC1                        13C
P1                        9.50 usec
PL1                      -0.50 dB
PL1W                90.18825531 W
SFO1               125.7955118 MHz

======== CHANNEL f2 ========
CPDPRG[2                waltz16
NUC2                        1H
PCPD2                    80.00 usec
PL2                       1.30 dB
PL12                     16.00 dB
PL2W                15.30635643 W
PL12W                0.51864696 W
SFO2               500.2320009 MHz

F2 - Processing parameters
SI                        32768
SF                 125.7829340 MHz
WDW                          EM
SSB             0
LB                        1.00 Hz
GB              0
PC                        1.40
```
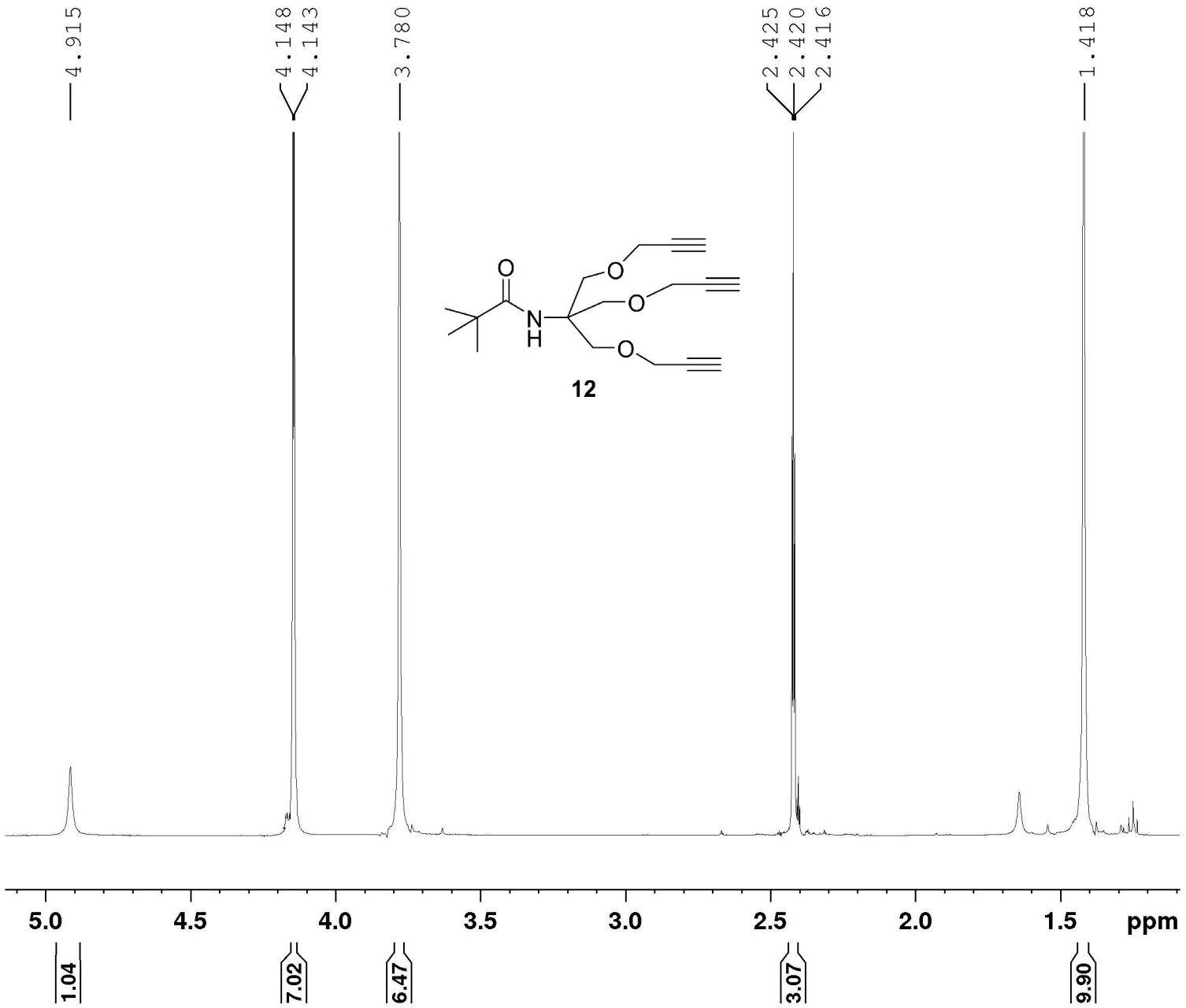

BM-RD-018 in CDCl3

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Current Data Parameters
NAME                  BM-RD-018
EXPNO                       200
PROCNO                        1

F2 - Acquisition Parameters
Date_                  20150420
Time                      17.54
INSTRUM                   spect
PROBHD    5 mm PABBO BB-
PULPROG                    zg30
TD                        65536
SOLVENT                   CDCl3
NS                           16
DS                            2
SWH                 10330.578 Hz
FIDRES               0.157632 Hz
AQ                   3.1719425 sec
RG                          101
DW                     48.400 usec
DE                      6.50 usec
TE                     1060.8 K
D1                  1.00000000 sec
TD0                           1

======== CHANNEL f1 ========
NUC1                         1H
P1                      14.25 usec
PL1                      1.30 dB
PL1W               15.30635643 W
SFO1               500.2330891 MHz

F2 - Processing parameters
SI                        32768
SF                 500.2300154 MHz
WDW                          EM
SSB          0
LB                       0.30 Hz
GB           0
PC                       1.00
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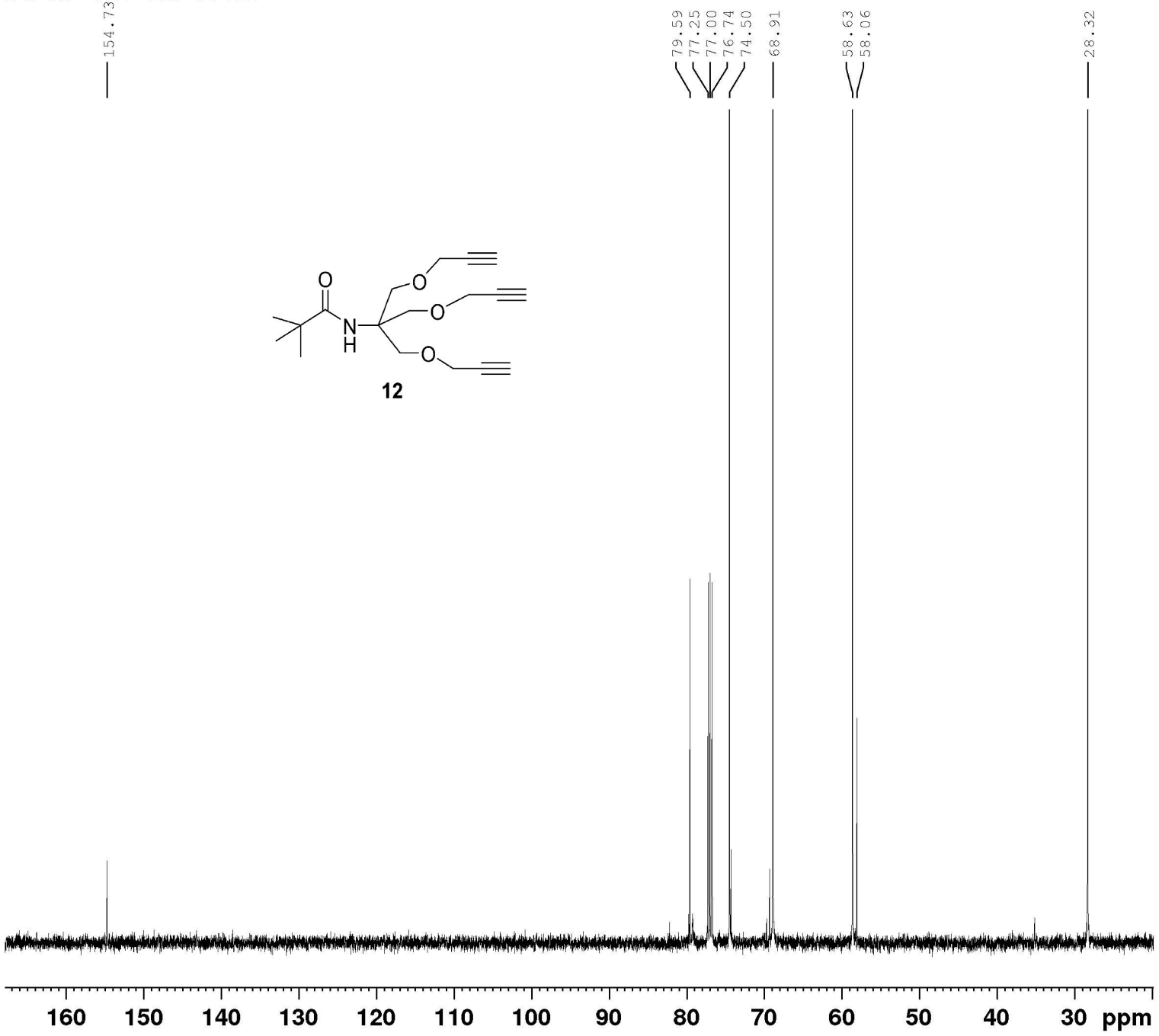
BM-RD-018 in CDCl3



Current Data Parameters
NAME BM-RD-018
EXPNO 201
PROCNO 1

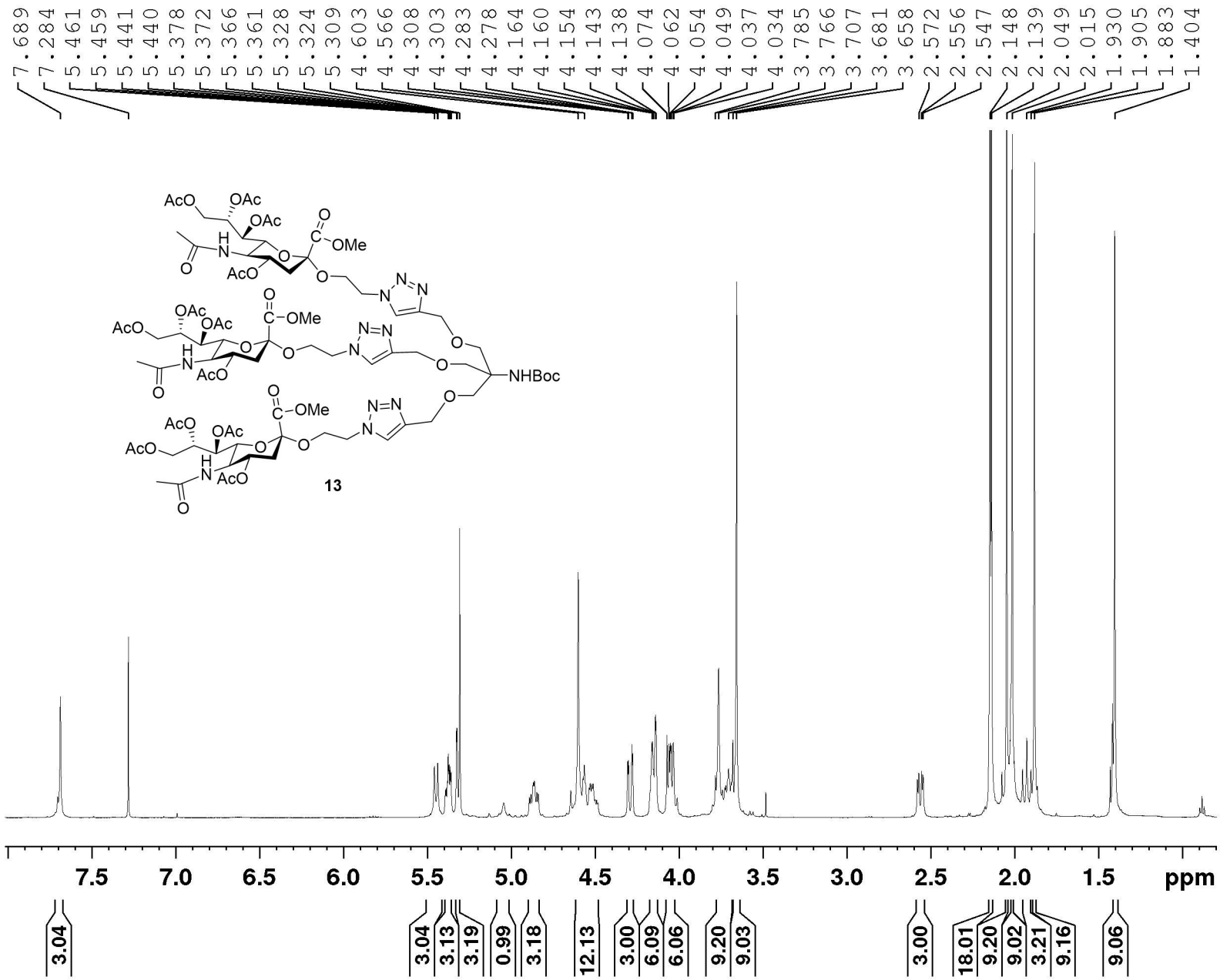
F2 - Acquisition Parameters
Date_ 20150420
Time 17.57
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgdc
TD 65536
SOLVENT CDCl3
NS 215
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010048 sec
RG 203
DW 16.800 usec
DE 6.50 usec
TE 1057.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 13C
P1 9.50 usec
PL1 -0.50 dB
PL1W 90.18825531 W
SFO1 125.7955118 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 1.30 dB
PL12 16.00 dB
PL2W 15.30635643 W
PL12W 0.51864696 W
SFO2 500.2320009 MHz

F2 - Processing parameters
SI 32768
SF 125.7829369 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

GROUP BM
BM-RD-032 in CDCl3

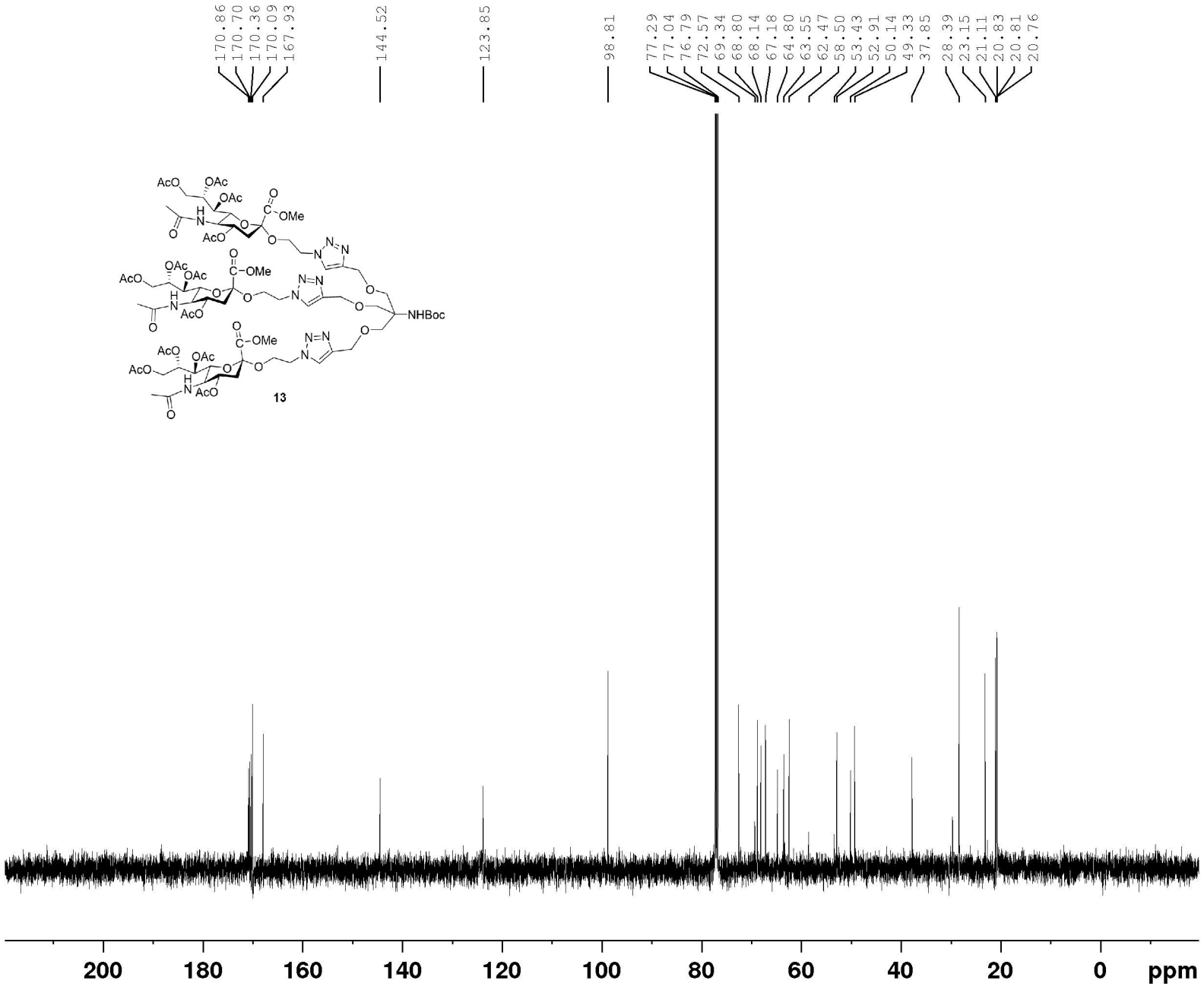


Current Data Parameters
NAME BM-RD-032
EXPNO 20
PROCNO 1

F2 - Acquisition Parameters
Date_ 20210809
Time 10.36 h
INSTRUM AV4 500MHz
PROBHD Z119467_0011 (
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10000.000 Hz
FIDRES 0.305176 Hz
AQ 3.2767999 sec
RG 101
DW 50.000 usec
DE 10.11 usec
TE 299.3 K
D1 1.00000000 sec
TD0 1
SFO1 500.1430884 MHz
NUC1 1H
P0 4.67 usec
P1 14.00 usec
PLW1 13.47399998 W

F2 - Processing parameters
SI 65536
SF 500.1400000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

GROUP BM
BM-RD-032 in CDCl3



Current Data Parameters

NAME	BM-RD-032
EXPNO	230
PROCNO	1

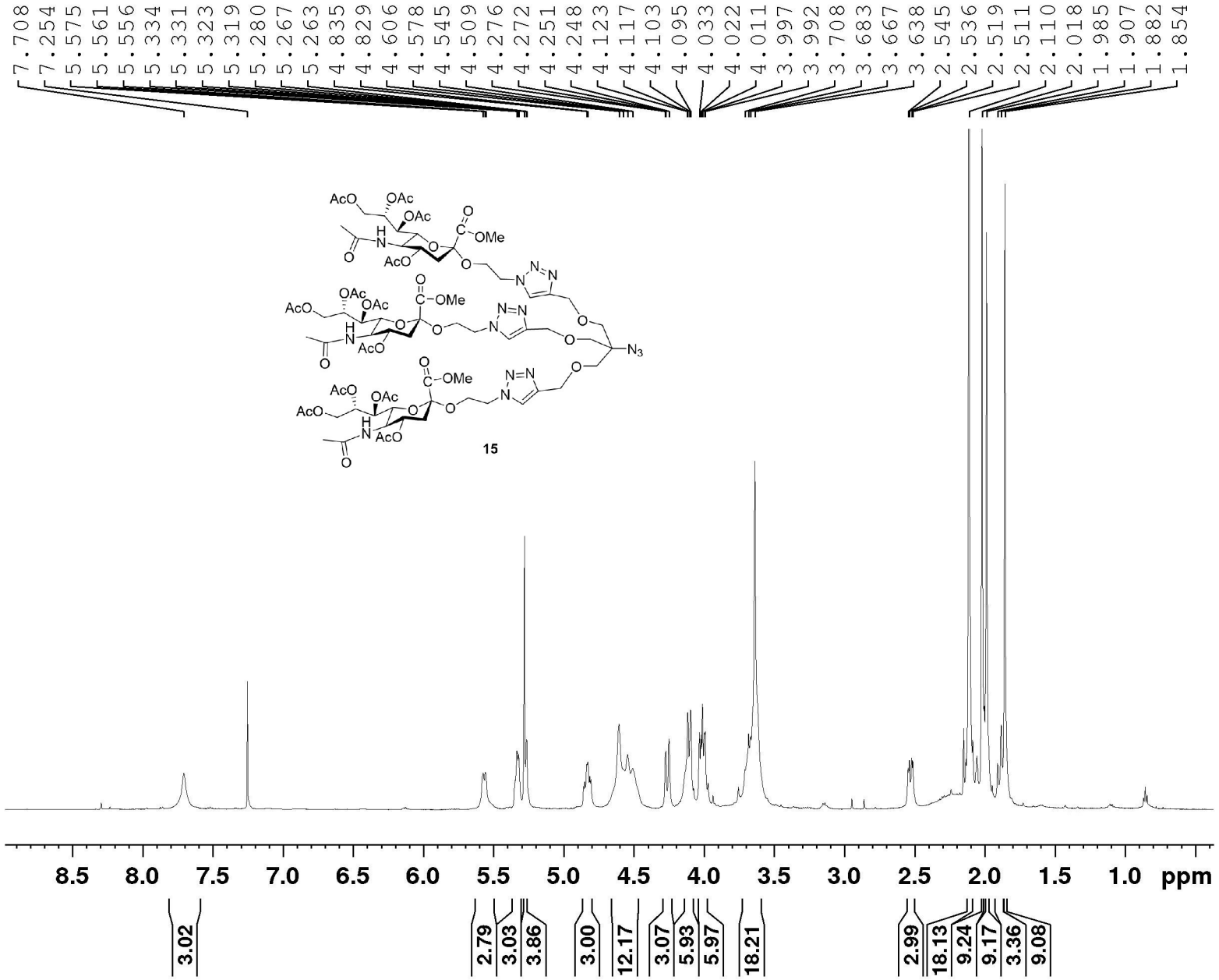
F2 - Acquisition Parameters

Date_	20210809
Time	14.10 h
INSTRUM	AV4 500MHz
PROBHD	Z119467_0011 (
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	128
DS	4
SWH	30120.482 Hz
FIDRES	0.919204 Hz
AQ	1.0878977 sec
RG	101
DW	16.600 usec
DE	6.50 usec
TE	299.8 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
SFO1	125.7728791 MHz
NUC1	13C
P0	3.33 usec
P1	10.00 usec
PLW1	77.33000183 W
SFO2	500.1420006 MHz
NUC2	1H
CPDPRG[2	waltz65
PCPD2	80.00 usec
PLW2	13.47399998 W
PLW12	0.41264001 W
PLW13	0.20756000 W

F2 - Processing parameters

SI	32768
SF	125.7603030 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

GROUP BM
BM-RD-037 in CDCl3



Current Data Parameters
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EXPNO 130
PROCNO 1

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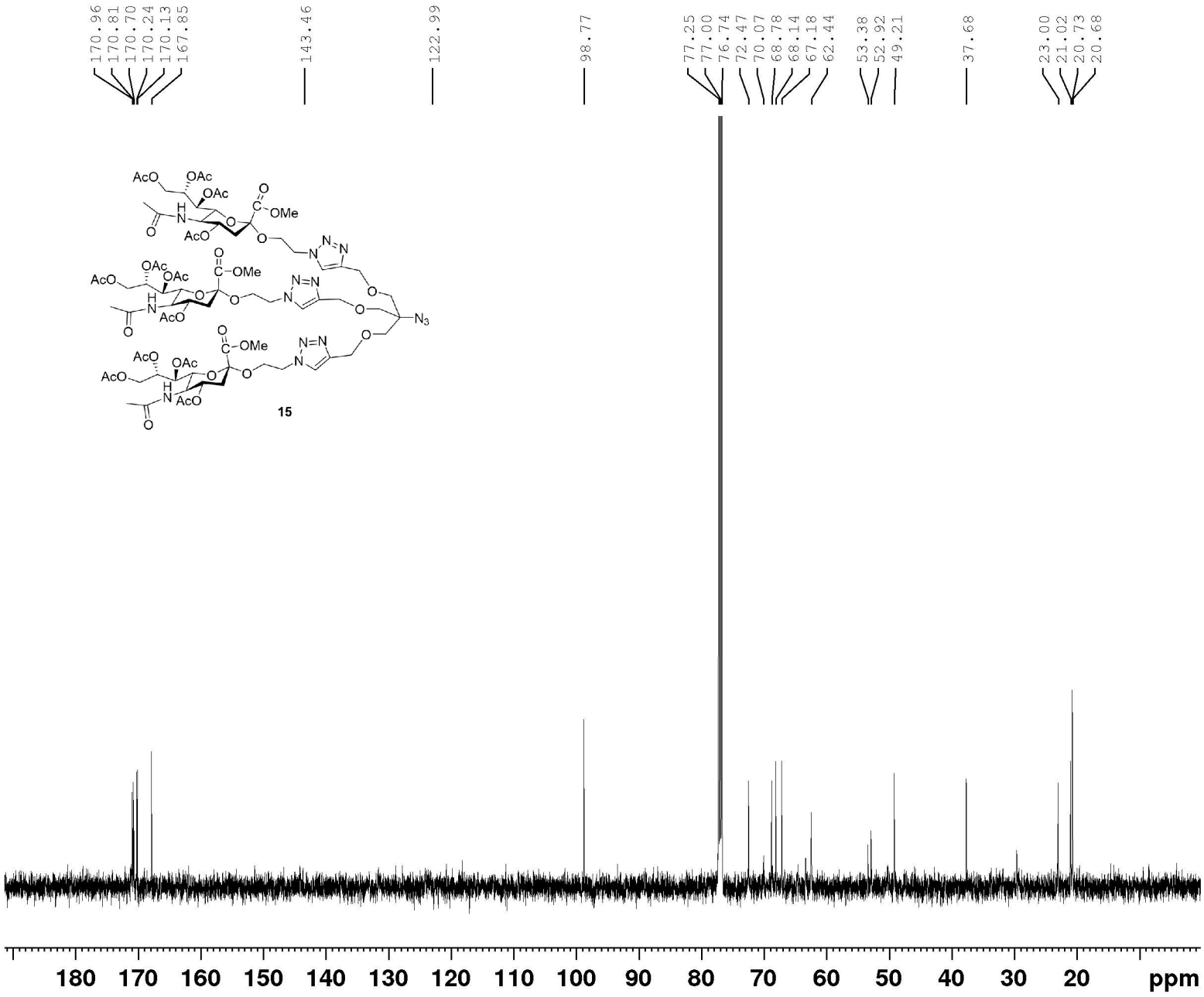
Date_ 20211111
Time 14.40
INSTRUM Bruker_default_av500
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 2
SWH 10000.000 Hz
FIDRES 0.305176 Hz
AQ 1.6384000 sec
RG 14.2
DW 50.000 usec
DE 6.50 usec
TE 2307.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 500.4530898 MHz
NUC1 1H
P1 30.00 usec
PLW1 10.00000000 W

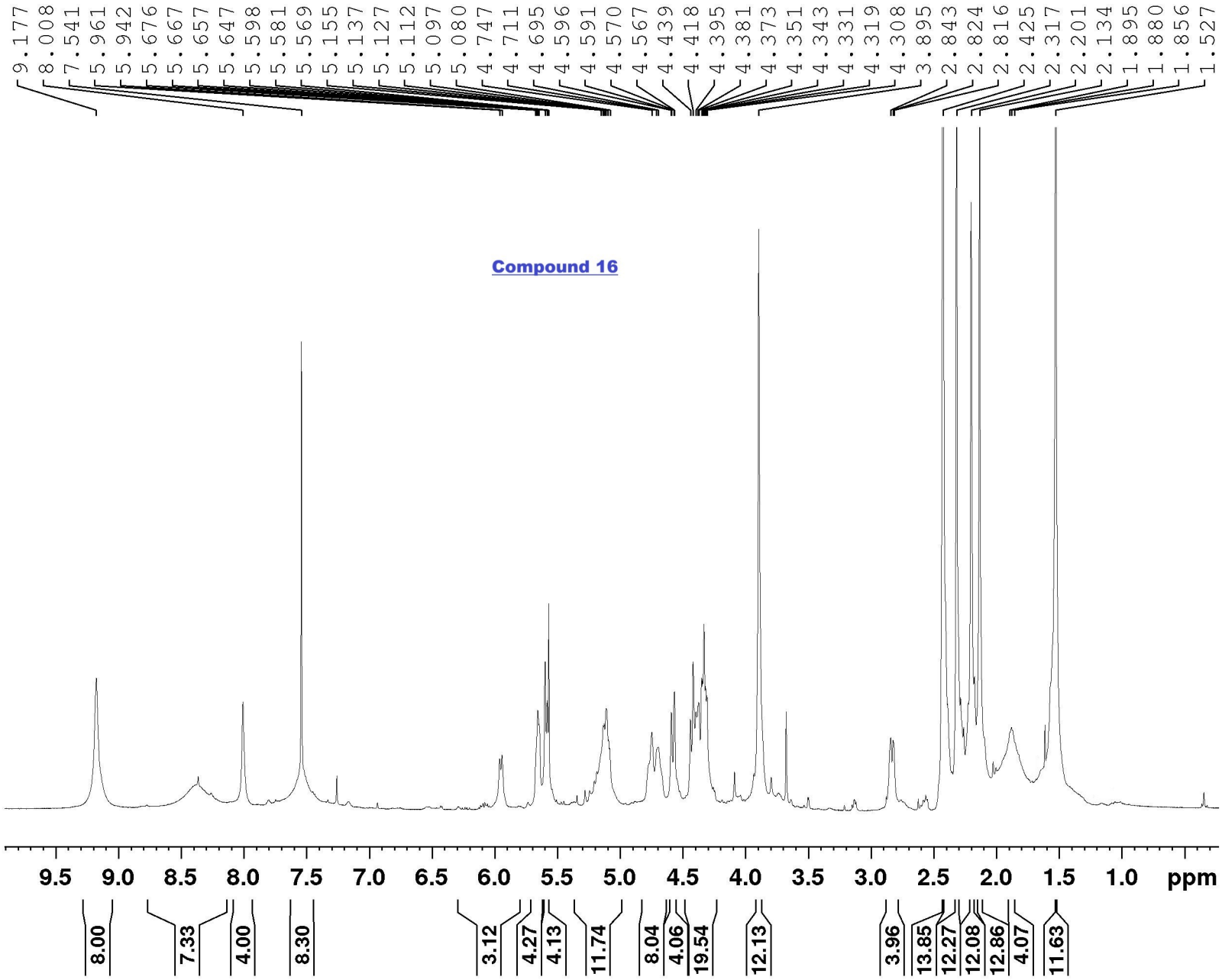
F2 - Processing parameters
SI 16384
SF 500.4500151 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 10.10

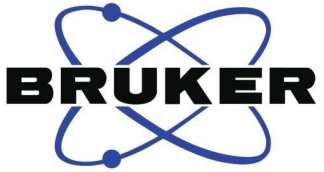
GROUP BM
BM-RD-037 in CDCl3




```
Current Data Parameters
NAME            BM-RD-037
EXPNO                 133
PROCNO                  1

F2 - Acquisition Parameters
Date_           20211111
Time                14.48
INSTRUM  Bruker_default_av500
PROBHD   5 mm PABBO BB/
PULPROG           zgpg30
TD                 65536
SOLVENT             CDCl3
NS                    318
DS                      2
SWH             37878.789 Hz
FIDRES          0.577984 Hz
AQ              0.8650752 sec
RG                     32
DW                13.200 usec
DE                 6.50 usec
TE                4345.2 K
D1             2.00000000 sec
D11            0.03000000 sec
TD0                     1

======== CHANNEL f1 ========
SFO1          125.8508346 MHz
NUC1                  13C
P1                 11.50 usec
PLW1          66.00000000 W

======== CHANNEL f2 ========
SFO2          500.4520014 MHz
NUC2                  1H
CPDPRG[2          waltz16
PCPD2              137.00 usec
PLW2          10.00000000 W
PLW12          0.47852001 W
PLW13          0.24043630 W

F2 - Processing parameters
SI                  32768
SF            125.8382587 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.35
```

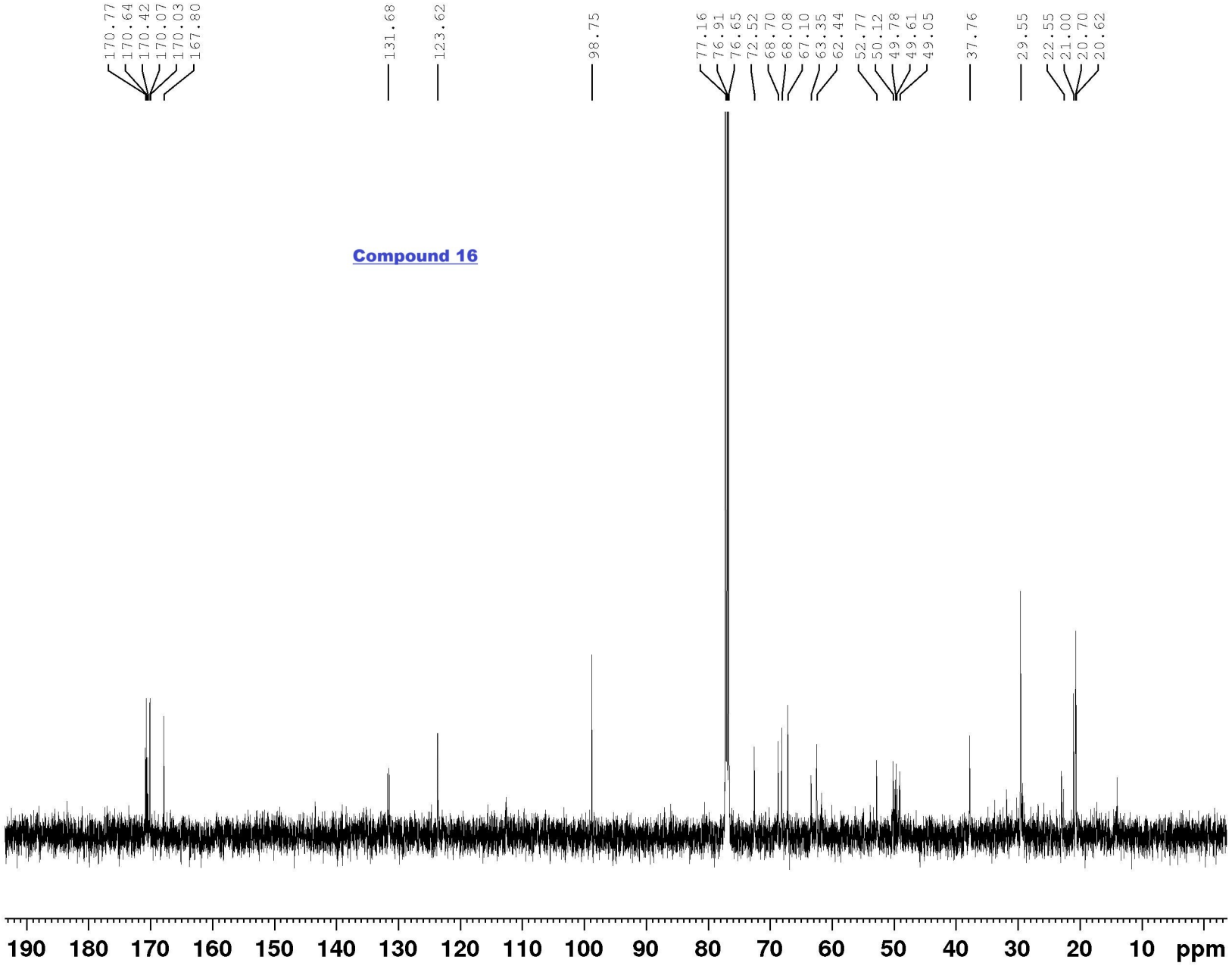
GROUP BM
BM-RD-033 in CDCl3






```
Current Data Parameters
NAME                  BM-RD-033
EXPNO                        40
PROCNO                        1

F2 - Acquisition Parameters
Date_                  20210929
Time                      13.30
INSTRUM  Bruker_default_av500
PROBHD   5 mm PABBO BB/
PULPROG                   zg30
TD                       32768
SOLVENT                  CDCl3
NS                           32
DS                            2
SWH                 10000.000 Hz
FIDRES                0.305176 Hz
AQ                    1.6384000 sec
RG                           16
DW                       50.000 usec
DE                        6.50 usec
TE                       595.6 K
D1                  4.00000000 sec
TD0                           1

======== CHANNEL f1 ========
SFO1               500.4530898 MHz
NUC1                         1H
P1                       30.00 usec
PLW1               10.00000000 W

F2 - Processing parameters
SI                       16384
SF                 500.4498707 MHz
WDW                         EM
SSB                  0
LB                        0.30 Hz
GB                   0
PC                       10.10
```

GROUP BM
BM-RD-033 in CDCl3



Current Data Parameters
NAME BM-RD-033
EXPNO 41
PROCNO 1

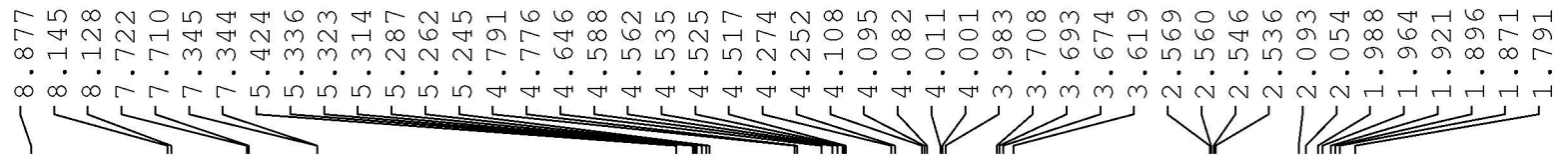
F2 - Acquisition Parameters
Date_ 20210929
Time 13.38
INSTRUM Bruker_default_av500
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 661
DS 2
SWH 37878.789 Hz
FIDRES 0.577984 Hz
AQ 0.8650752 sec
RG 64
DW 13.200 usec
DE 6.50 usec
TE 594.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

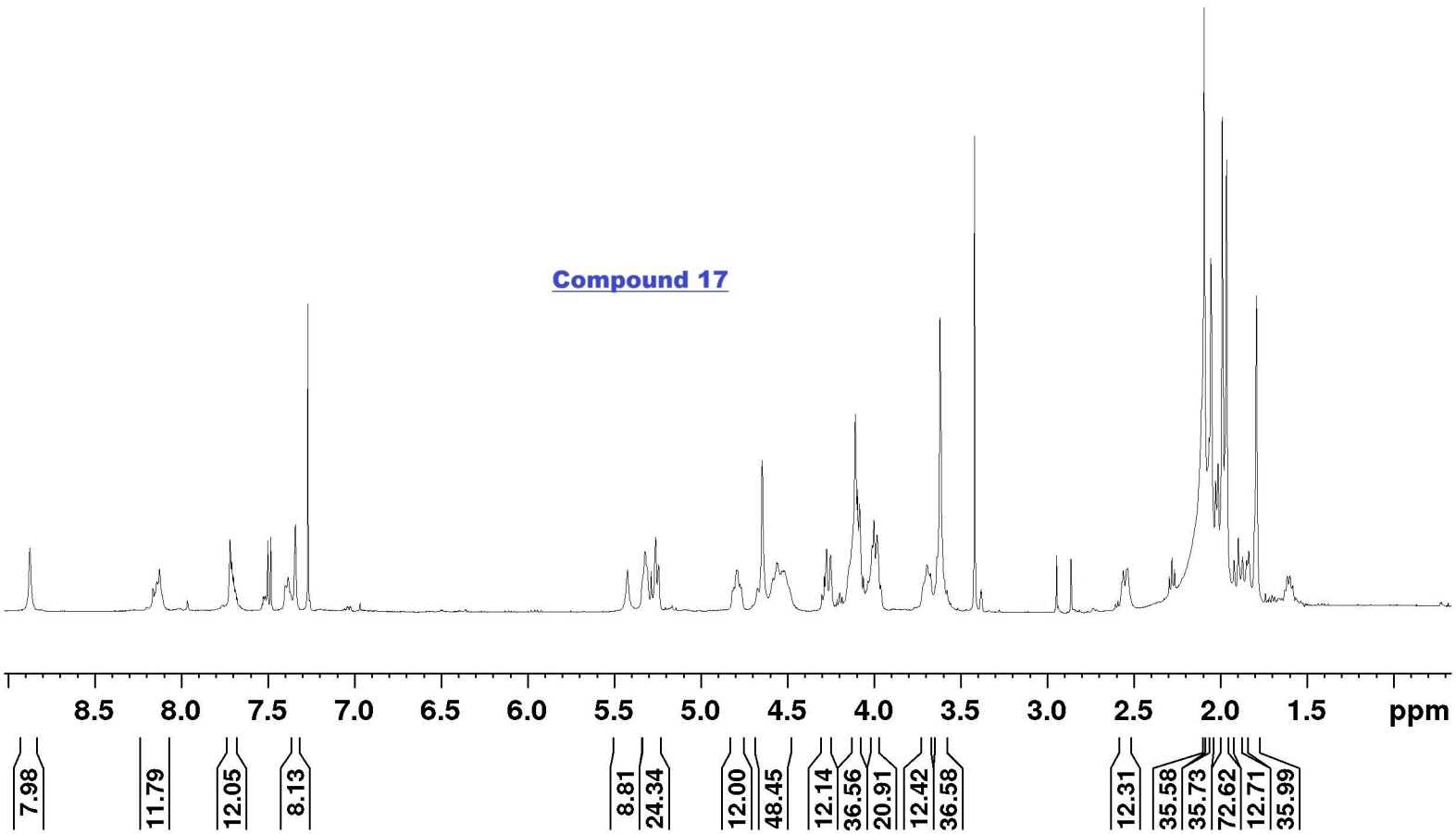
======== CHANNEL f1 ========
SFO1 125.8508346 MHz
NUC1 13C
P1 11.50 usec
PLW1 66.00000000 W

======== CHANNEL f2 ========
SFO2 500.4520014 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 137.00 usec
PLW2 10.00000000 W
PLW12 0.47852001 W
PLW13 0.24043630 W

F2 - Processing parameters
SI 32768
SF 125.8382689 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.35

GROUP BM
BM-RD-038C in CDCl3





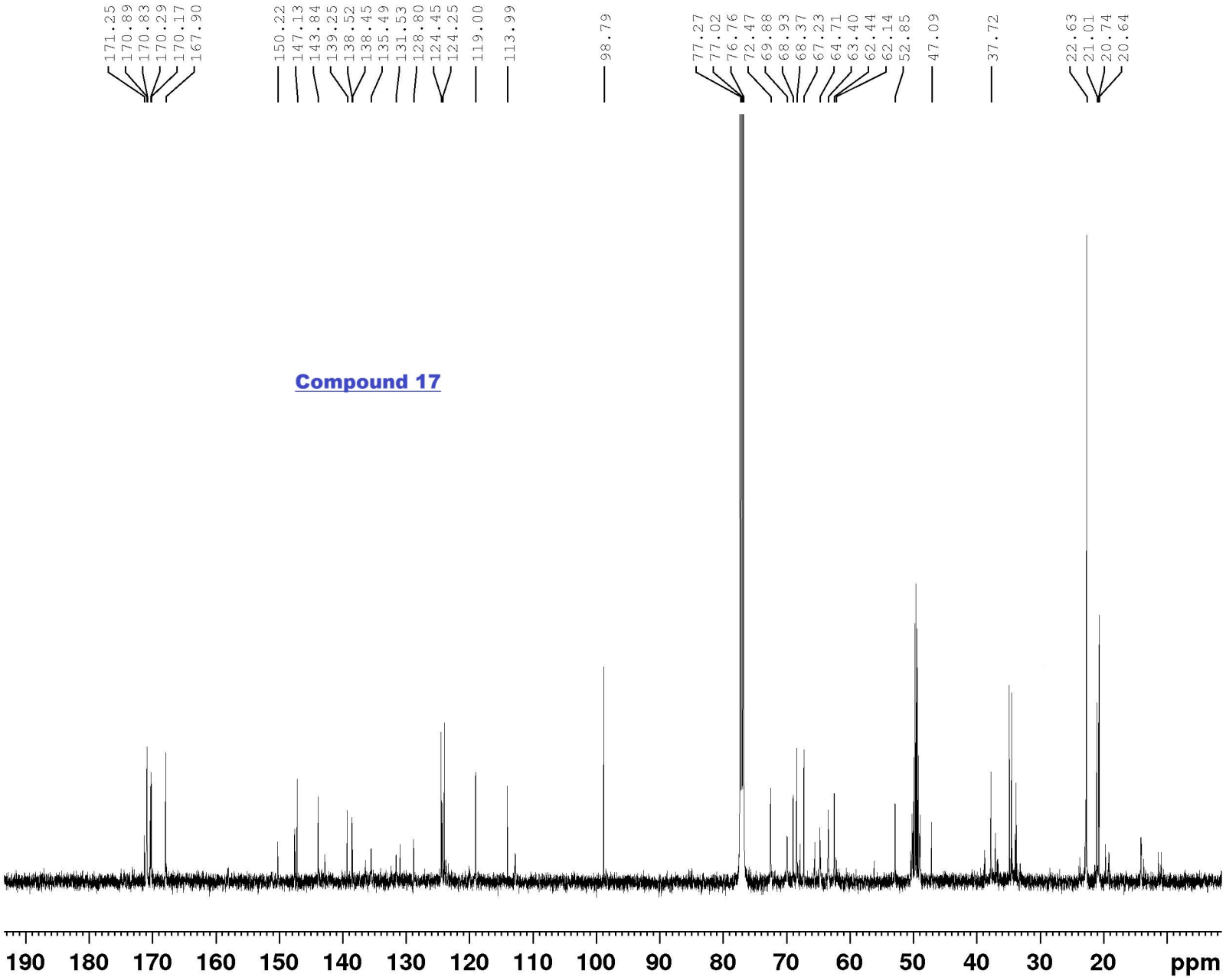
Current Data Parameters
NAME BM-RD-038C
EXPNO 390
PROCNO 1

F2 - Acquisition Parameters
Date_ 20211227
Time 18.54
INSTRUM Bruker_default_av500
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 2
SWH 10000.000 Hz
FIDRES 0.305176 Hz
AQ 1.6384000 sec
RG 16
DW 50.000 usec
DE 6.50 usec
TE 2717.9 K
D1 4.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 500.4525023 MHz
NUC1 1H
P1 30.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.4500068 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 10.10

GROUP BM
BM-RD-038C in CDCl3



Current Data Parameters
NAME BM-RD-038C
EXPNO 393
PROCNO 1

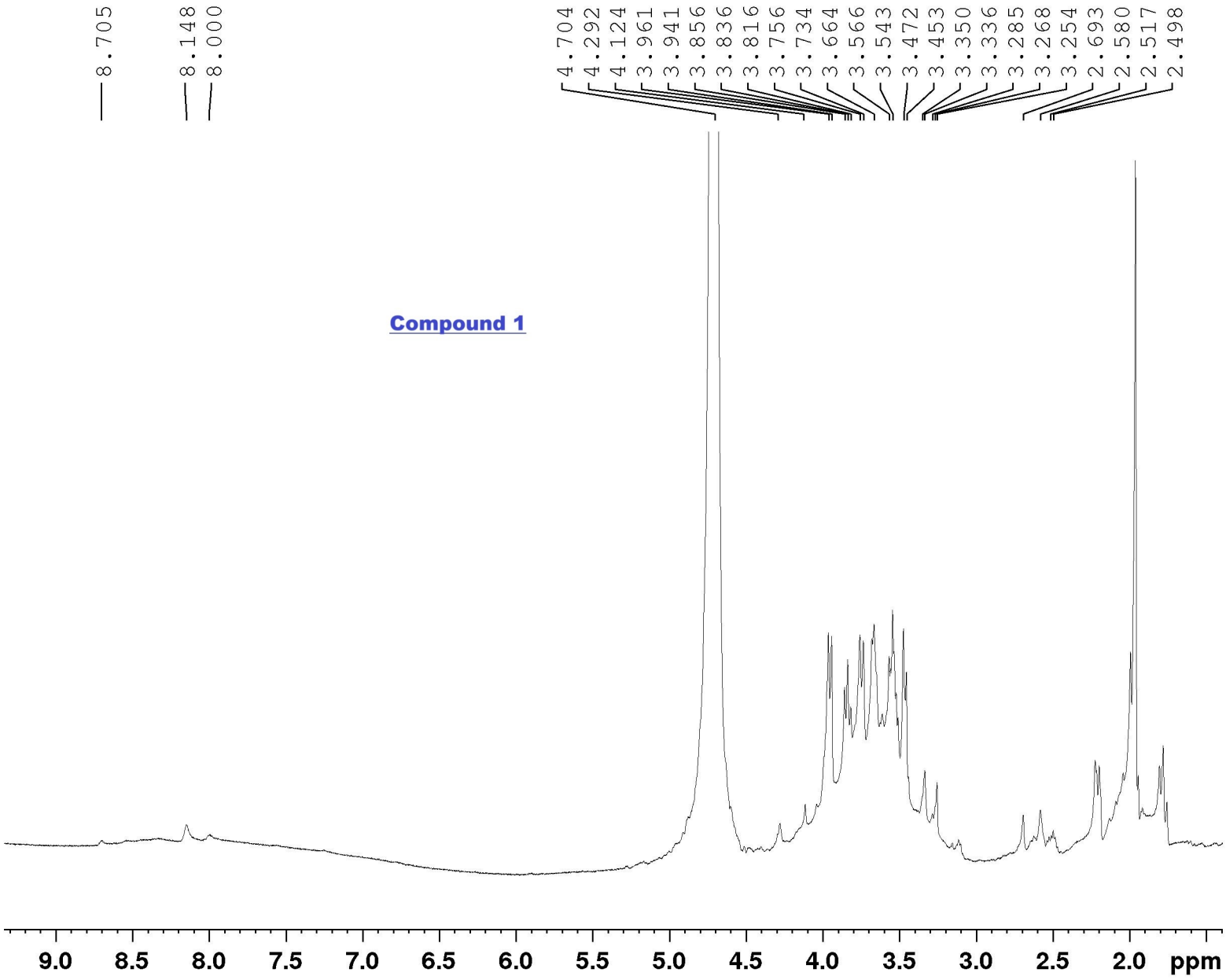
F2 - Acquisition Parameters
Date_ 20211227
Time 19.35
INSTRUM Bruker_default_av500
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 12000
DS 4
SWH 37878.789 Hz
FIDRES 0.577984 Hz
AQ 0.8650752 sec
RG 16
DW 13.200 usec
DE 6.50 usec
TE 2671.8 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 125.8508346 MHz
NUC1 13C
P1 11.50 usec
PLW1 66.00000000 W

======== CHANNEL f2 ========
SFO2 500.4520014 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 137.00 usec
PLW2 10.00000000 W
PLW12 0.47852001 W
PLW13 0.24043630 W

F2 - Processing parameters
SI 32768
SF 125.8382557 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.35

GROUP BM
BM-RD-1STGENSIA in D2O



Current Data Parameters
NAME BM-RD-1STGENSIA
EXPNO 150
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220126
Time 12.55
INSTRUM Bruker_default_av500
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT D2O
NS 128
DS 2
SWH 10000.000 Hz
FIDRES 0.305176 Hz
AQ 1.6384000 sec
RG 16
DW 50.000 usec
DE 6.50 usec
TE 2390.7 K
D1 8.00000000 sec
TD0 1

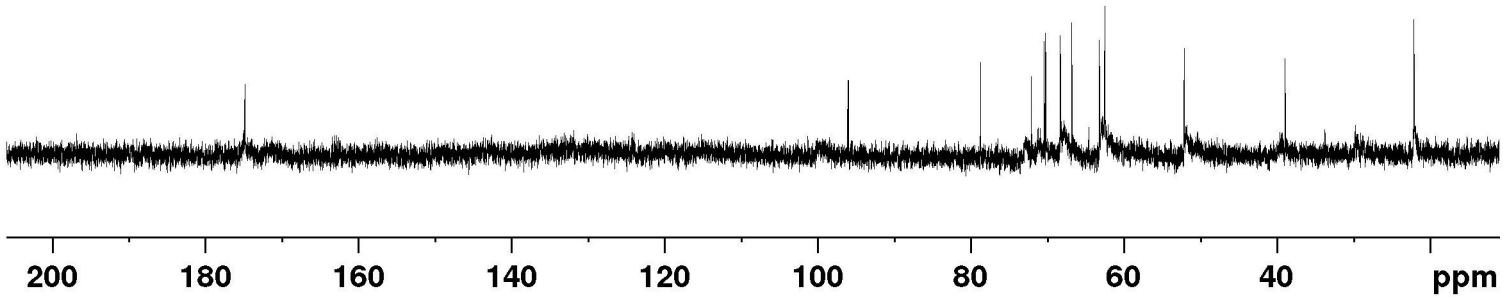
======== CHANNEL f1 ========
SFO1 500.4525023 MHz
NUC1 1H
P1 30.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.4500000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 10.10

GROUP BM
BM-RD-SIAP in D2O

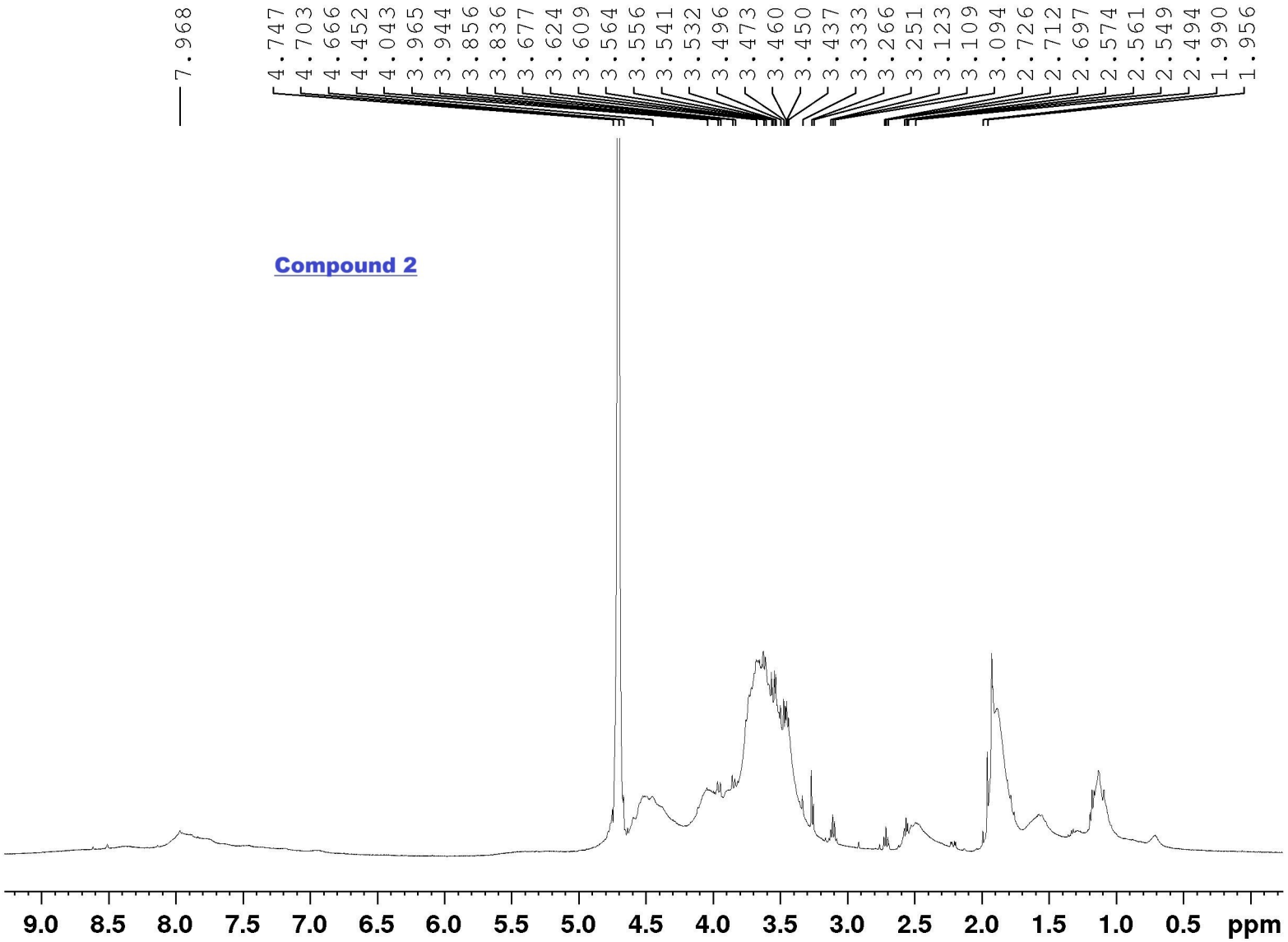
174.85
96.04
78.72
72.05
70.39
70.21
68.28
67.83
66.81
63.17
62.48
62.02
52.10
38.93
29.73
22.07

Compound 1




```
Cur
NAME      BM-RD-1STGENSIA
EXPNO                 842
PROCNO                  1

F2 - Acquisition Parameters
Date_            20220123
Time                4.11 h
INSTRUM       AV4 500MHz
PROBHD    Z119467_0011 (
PULPROG           zgpg30
TD                65536
SOLVENT             D2O
NS                25000
DS                    4
SWH           30120.482 Hz
FIDRES         0.919204 Hz
AQ             1.0878977 sec
RG                  101
DW               16.600 usec
DE                6.50 usec
TE                299.6 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                   1
SFO1         125.7728791 MHz
NUC1                13C
P0                3.33 usec
P1               10.00 usec
PLW1         77.33000183 W
SFO2         500.1420006 MHz
NUC2                1H
CPDPRG[2         waltz65
PCPD2             80.00 usec
PLW2         13.47399998 W
PLW12         0.41264001 W
PLW13         0.20756000 W

F2 - Processing parameters
SI                32768
SF           125.7603030 MHz
WDW                  EM
SSB       0
LB                1.00 Hz
GB        0
PC                1.40
```

GROUP BM
BM-RD-2NDGENSIA in D2O



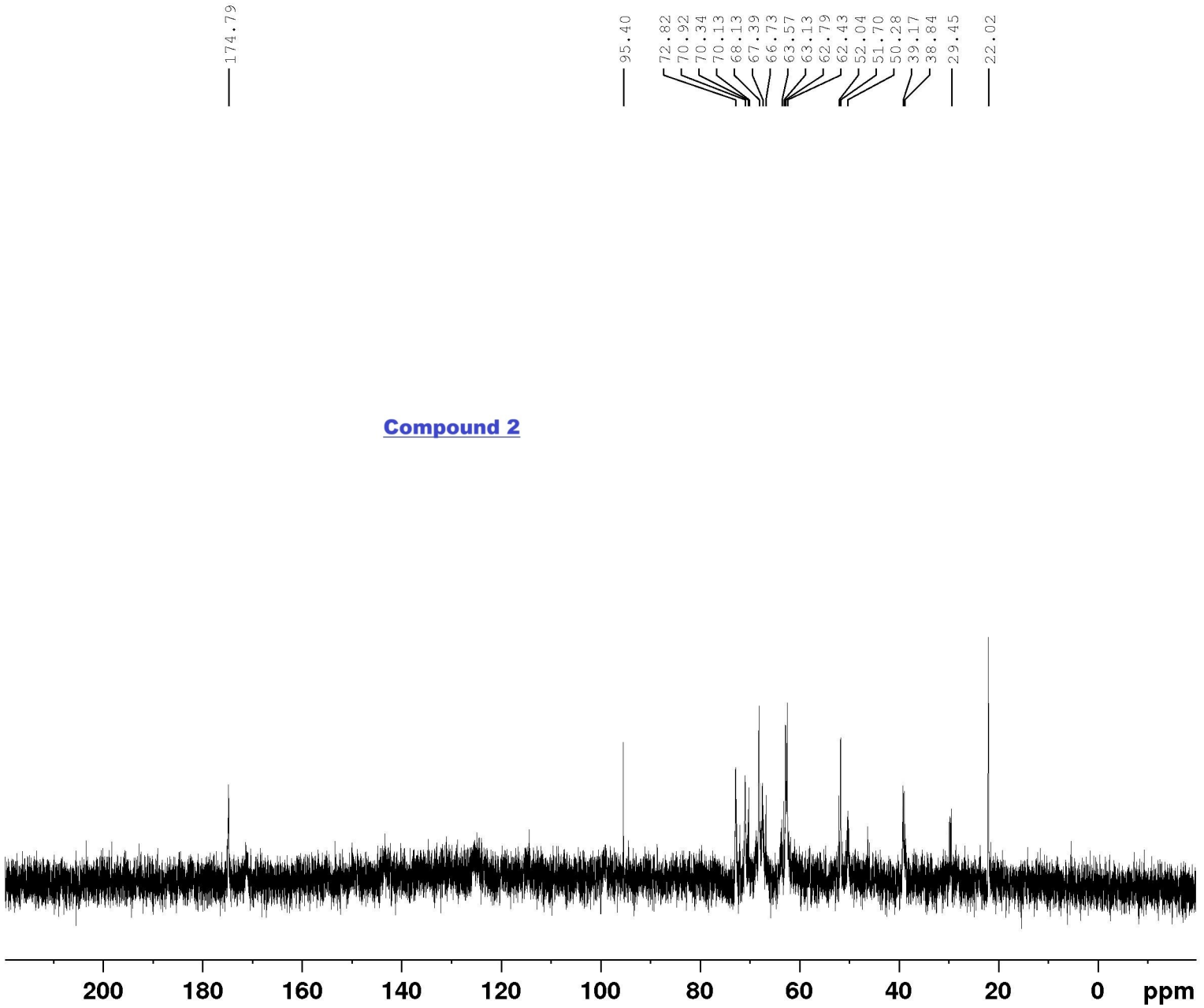
Current Data Parameters
NAME BM-RD-2NDGENSIA
EXPNO 400
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220125
Time 17.00
INSTRUM Bruker_default_av500
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT D2O
NS 64
DS 2
SWH 10000.000 Hz
FIDRES 0.305176 Hz
AQ 1.6384000 sec
RG 16
DW 50.000 usec
DE 6.50 usec
TE 2413.1 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 500.4525023 MHz
NUC1 1H
P1 30.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.4500000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 10.10

GROUP BM
BM-RD-2NDGENSIA in D2O



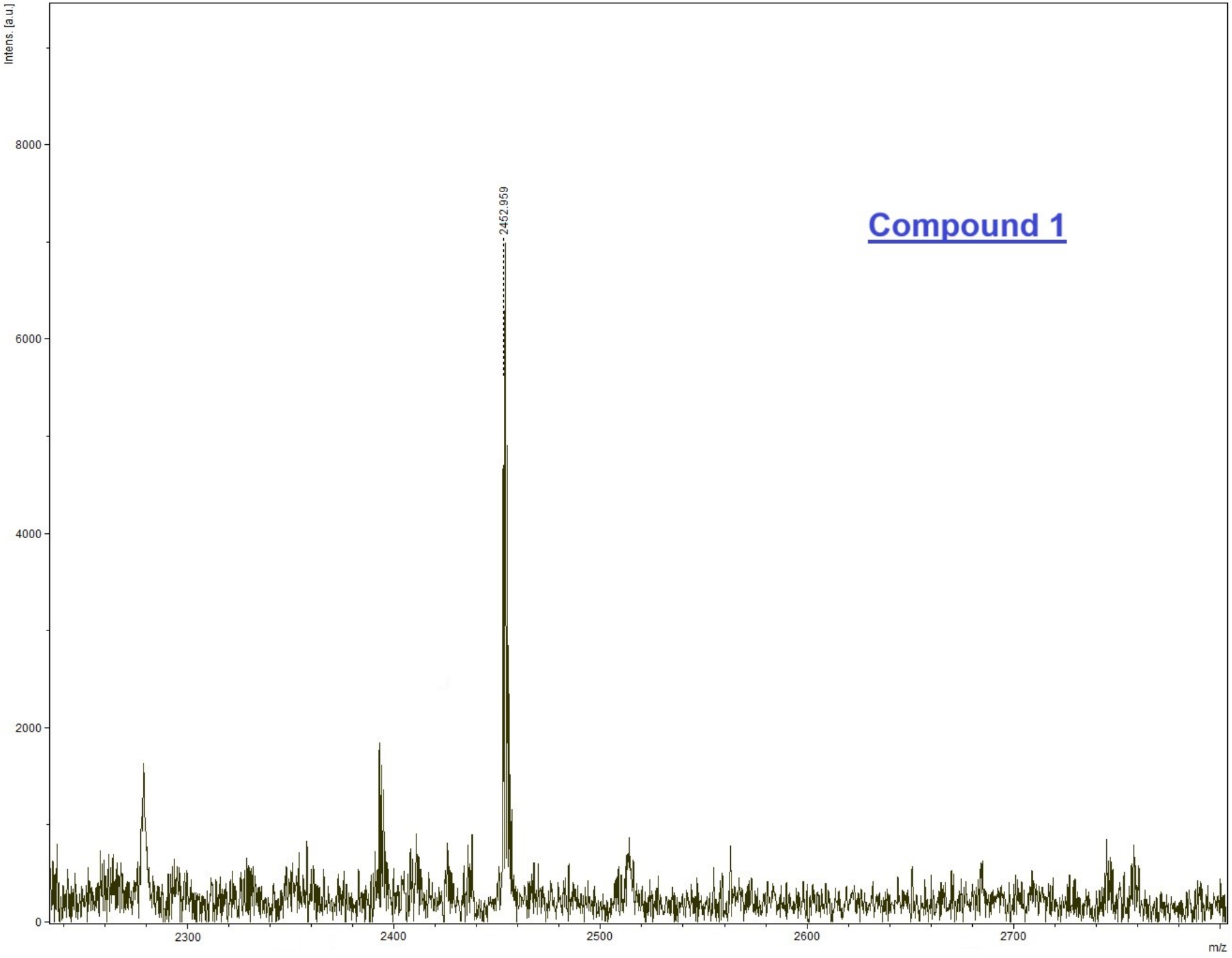
Current Data Parameters
NAME BM-RD-2NDGENSIA
EXPNO 404
PROCNO 1

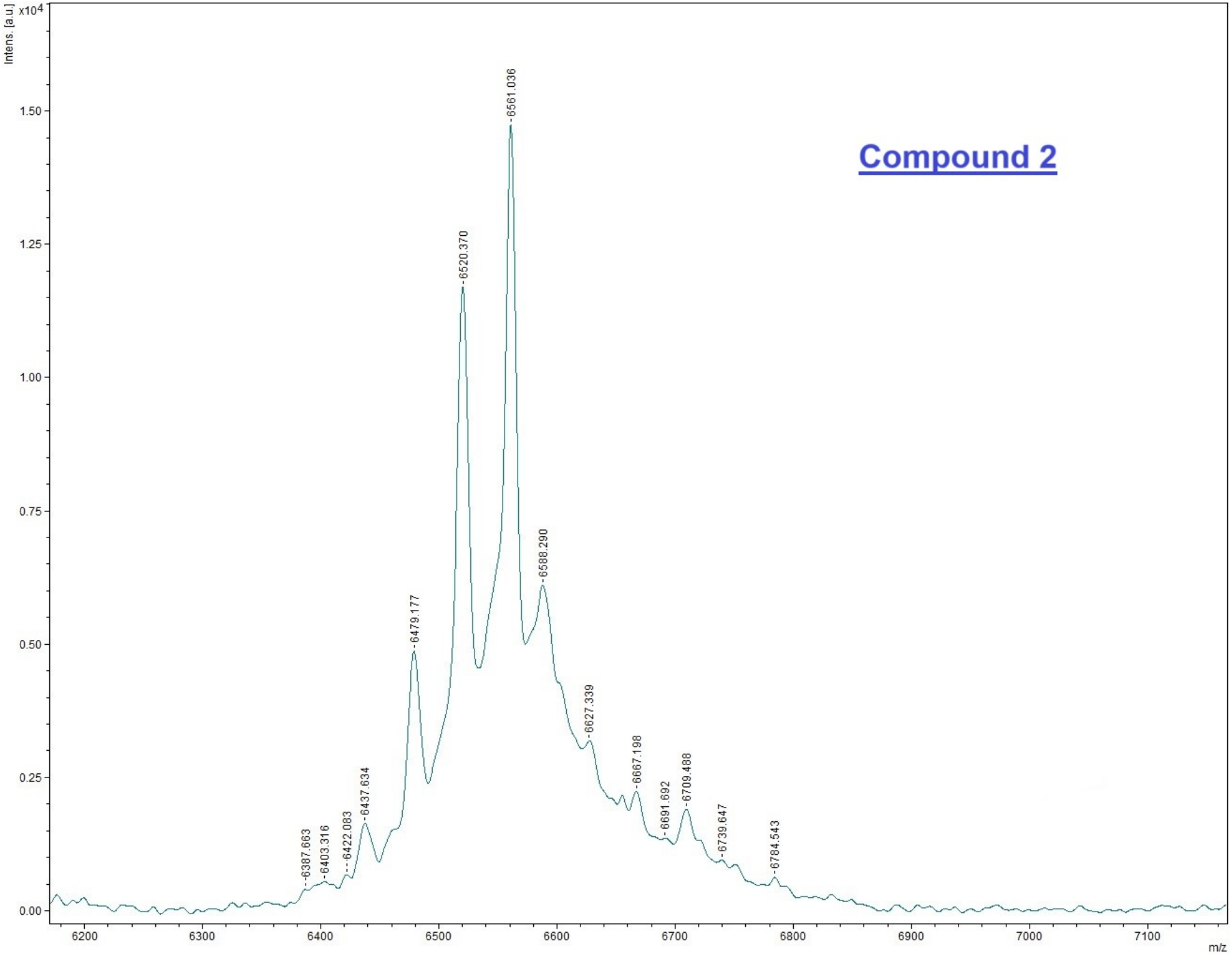
F2 - Acquisition Parameters
Date_ 20220125
Time 18.12
INSTRUM Bruker_default_av500
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT D2O
NS 19827
DS 4
SWH 37878.789 Hz
FIDRES 0.577984 Hz
AQ 0.8650752 sec
RG 16
DW 13.200 usec
DE 6.50 usec
TE 2438.8 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 125.8508346 MHz
NUC1 13C
P1 11.50 usec
PLW1 66.00000000 W

======== CHANNEL f2 ========
SFO2 500.4520014 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 137.00 usec
PLW2 10.00000000 W
PLW12 0.47852001 W
PLW13 0.24043630 W

F2 - Processing parameters
SI 32768
SF 125.8382574 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.35


Intens. [a.u.]
8000
6000
4000
2000
0
2452.959
Compound 1
2300
2400
2500
2600
2700
m/z


Intens. [a.u.]
x10^4
1.50
1.25
1.00
0.75
0.50
0.25
0.00
6387.663
6403.316
6422.083
6437.634
6479.177
6520.370
6561.036
6588.290
6627.339
6667.198
6691.692
6709.488
6739.647
6784.543
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
m/z
Compound 2