

Supplementary material for the article:

Krstić, G.; Jadranin, M.; Todorović, N. M.; Pešić, M.; Stanković, T.; Aljančić, I. S.; Tešević, V. V. Jatrophone Diterpenoids with Multidrug-Resistance Modulating Activity from the Latex of *Euphorbia Nicaeensis*. *Phytochemistry* **2018**, *148*, 104–112.

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Appendix A. Supplementary data

Jatrophane diterpenoids with multidrug-resistance modulating activity from the latex of *Euphorbia nicaeensis*

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NMR spectra of compounds **1–4** and **6–8**.

S1. ¹H NMR spectrum of nicaeenin A (**1**)

S2. ¹³C NMR spectrum of nicaeenin A (**1**)

S3. DEPT spectrum of nicaeenin A (**1**)

S4. COSY spectrum of nicaeenin A (**1**)

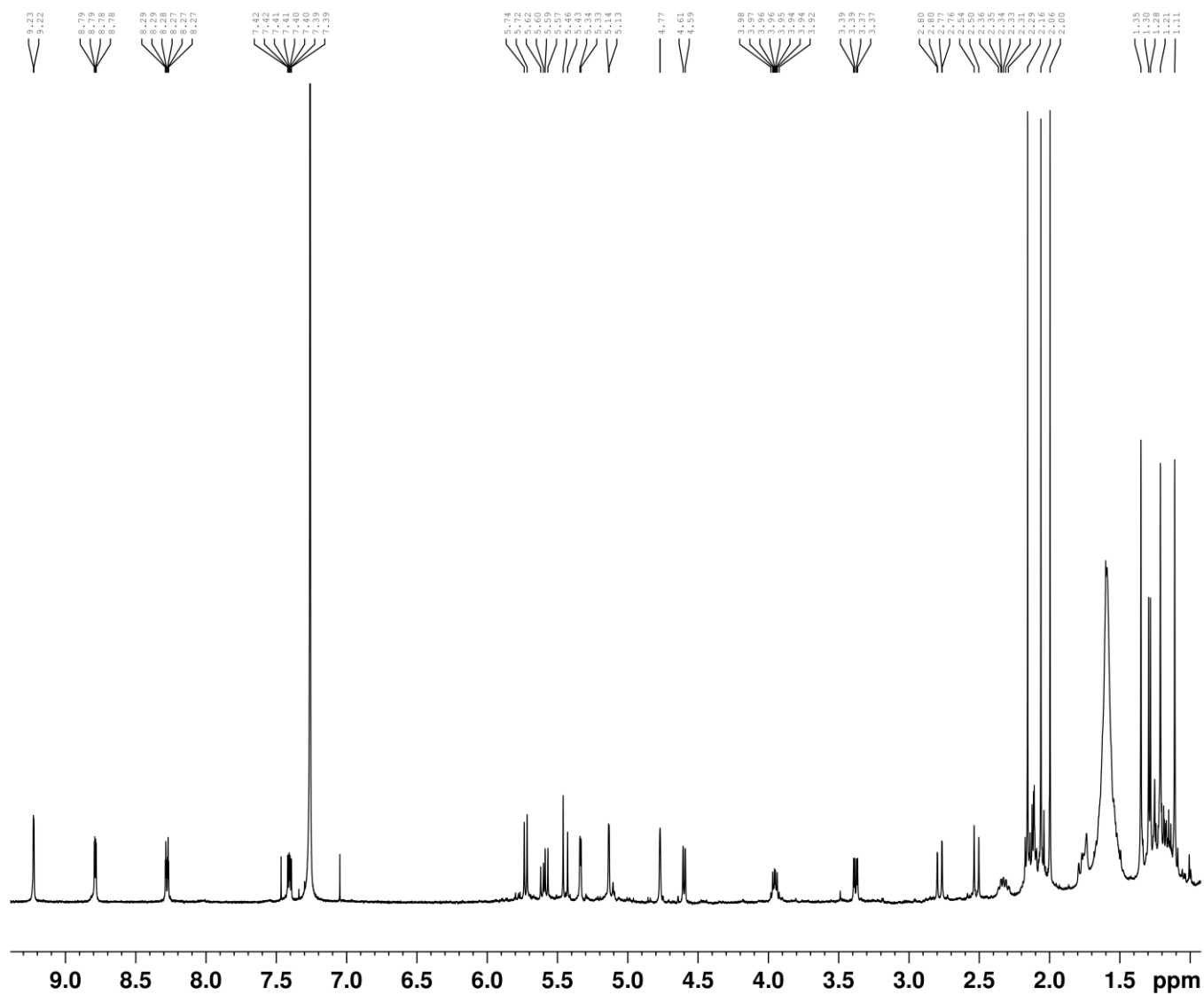
S5. HSQC spectrum of nicaeenin A (**1**)

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- S6. HMBC spectrum of nicaeenin A (1)
- S7. NOESY spectrum of nicaeenin A (1)
- S8. ^1H NMR spectrum of nicaeenin B (2)
- S9. ^{13}C NMR spectrum of nicaeenin B (2)
- S10. COSY spectrum of nicaeenin B (2)
- S11. HSQC spectrum of nicaeenin B (2)
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- S13. NOESY spectrum of nicaeenin B (2)
- S14. NOESY spectrum of nicaeenin B (2) (expanded)
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- S23. ^{13}C NMR spectrum of nicaeenin D (4)

- S24. COSY spectrum of nicaeenin D (4)
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- S26. HMBC spectrum of nicaeenin D (4)
- S27. HMBC spectrum of nicaeenin D (4) (expanded)
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- S30. ^1H NMR spectrum of nicaeenin E (6)
- S31. ^{13}C NMR spectrum of nicaeenin E (6)
- S32. COSY spectrum of nicaeenin E (6)
- S33. HSQC spectrum of nicaeenin E (6)
- S34. HMBC spectrum of nicaeenin E (6)
- S35. NOESY spectrum of nicaeenin E (6)
- S36. NOESY spectrum of nicaeenin E (6) (expanded)
- S37. ^1H NMR spectrum of nicaeenin F (7)
- S38. ^{13}C NMR spectrum of nicaeenin F (7)
- S39. COSY spectrum of nicaeenin F (7)
- S40. HSQC spectrum of nicaeenin F (7)
- S41. HMBC spectrum of nicaeenin F (7)

- S42. NOESY spectrum of nicaeenin F (7)
- S43. NOESY spectrum of nicaeenin F (7) (expanded)
- S44. ^1H NMR spectrum of nicaeenin G (8)
- S45. ^1H NMR spectrum of nicaeenin G (8) (expanded)
- S46. ^{13}C NMR spectrum of nicaeenin G (8)
- S47. COSY spectrum of nicaeenin G (8)
- S48. HSQC spectrum of nicaeenin G (8)
- S49. HMBC spectrum of nicaeenin G (8)
- S50. HMBC spectrum of nicaeenin G (8)
- S51. NOESY spectrum of nicaeenin G (8) (expanded)



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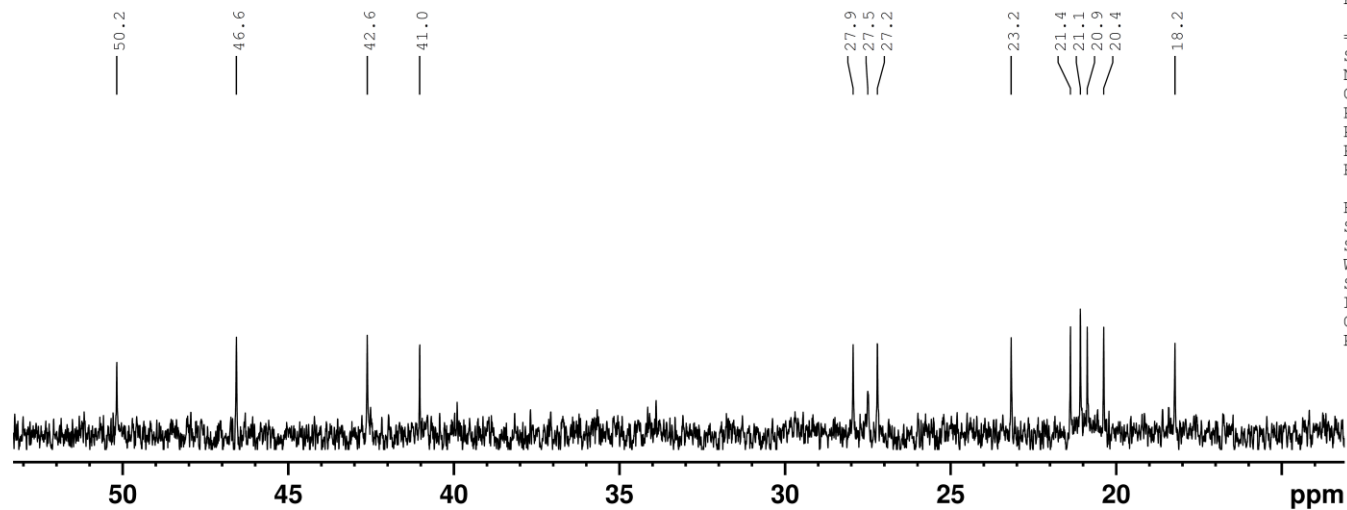
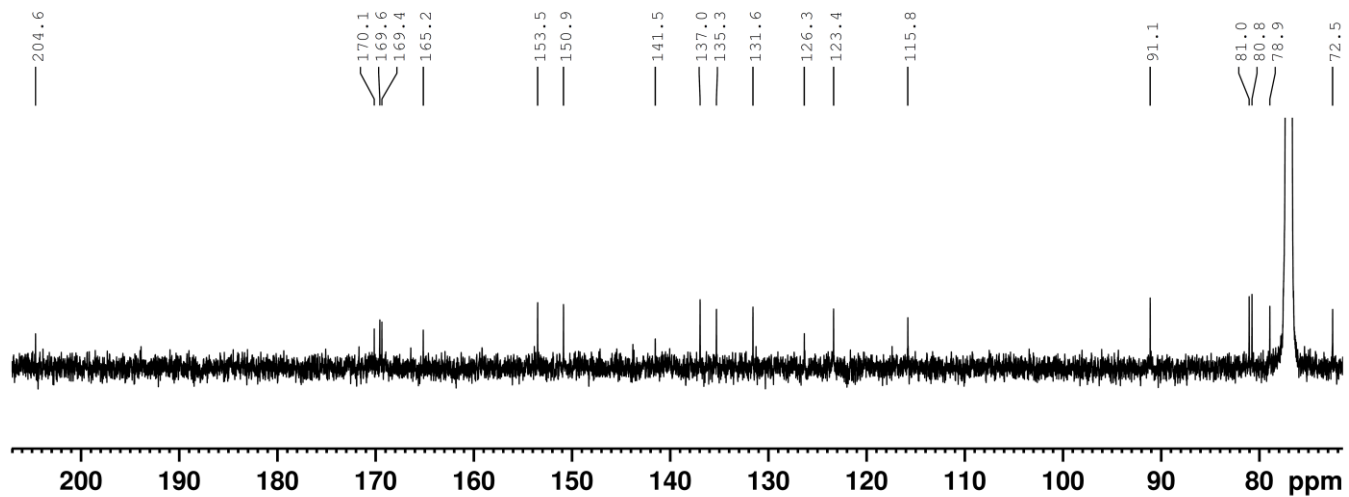
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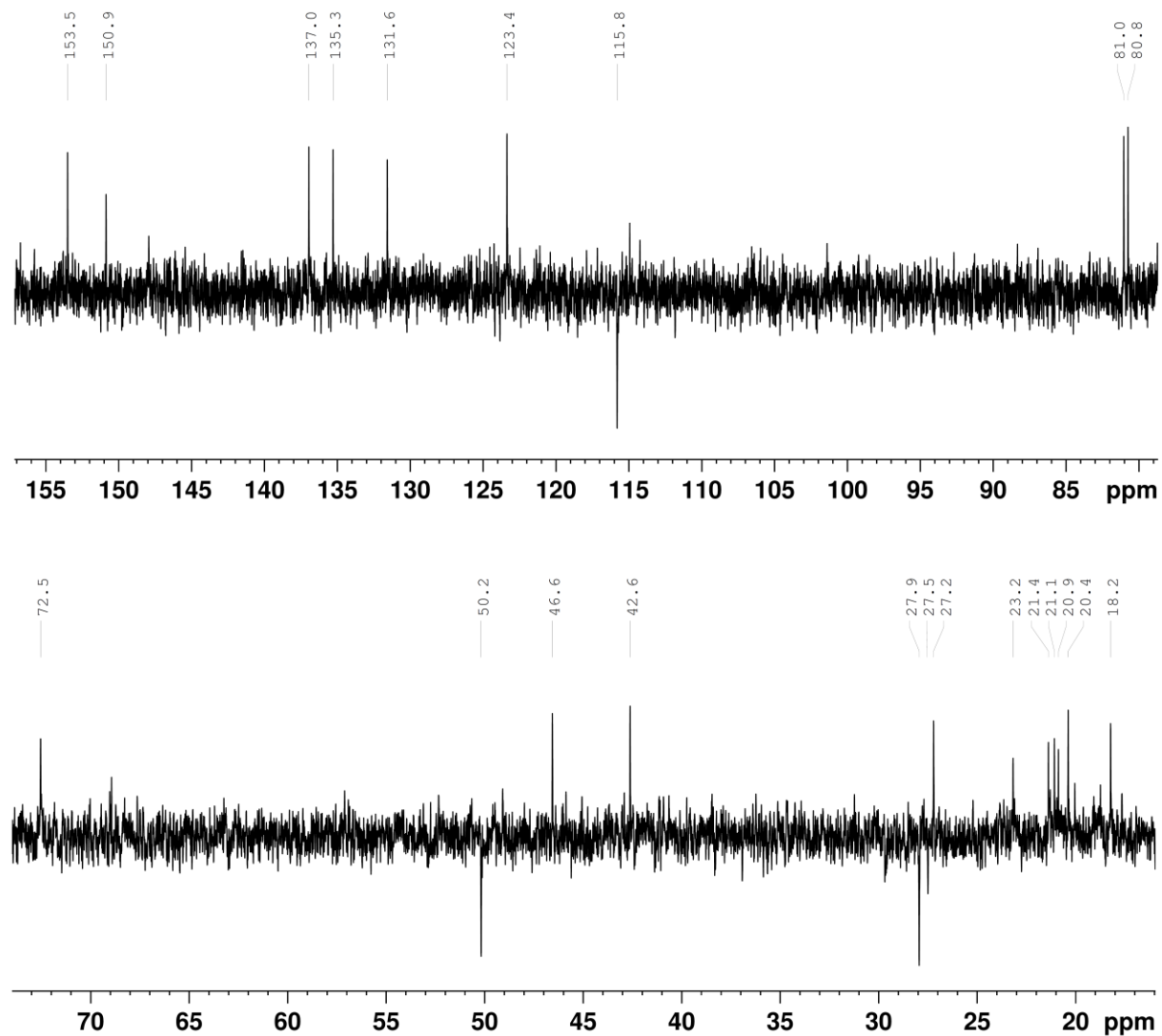
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S1. ¹H NMR spectrum of nicaeenin A (1)



S2. ¹³C NMR spectrum of nicaeenin A (1)

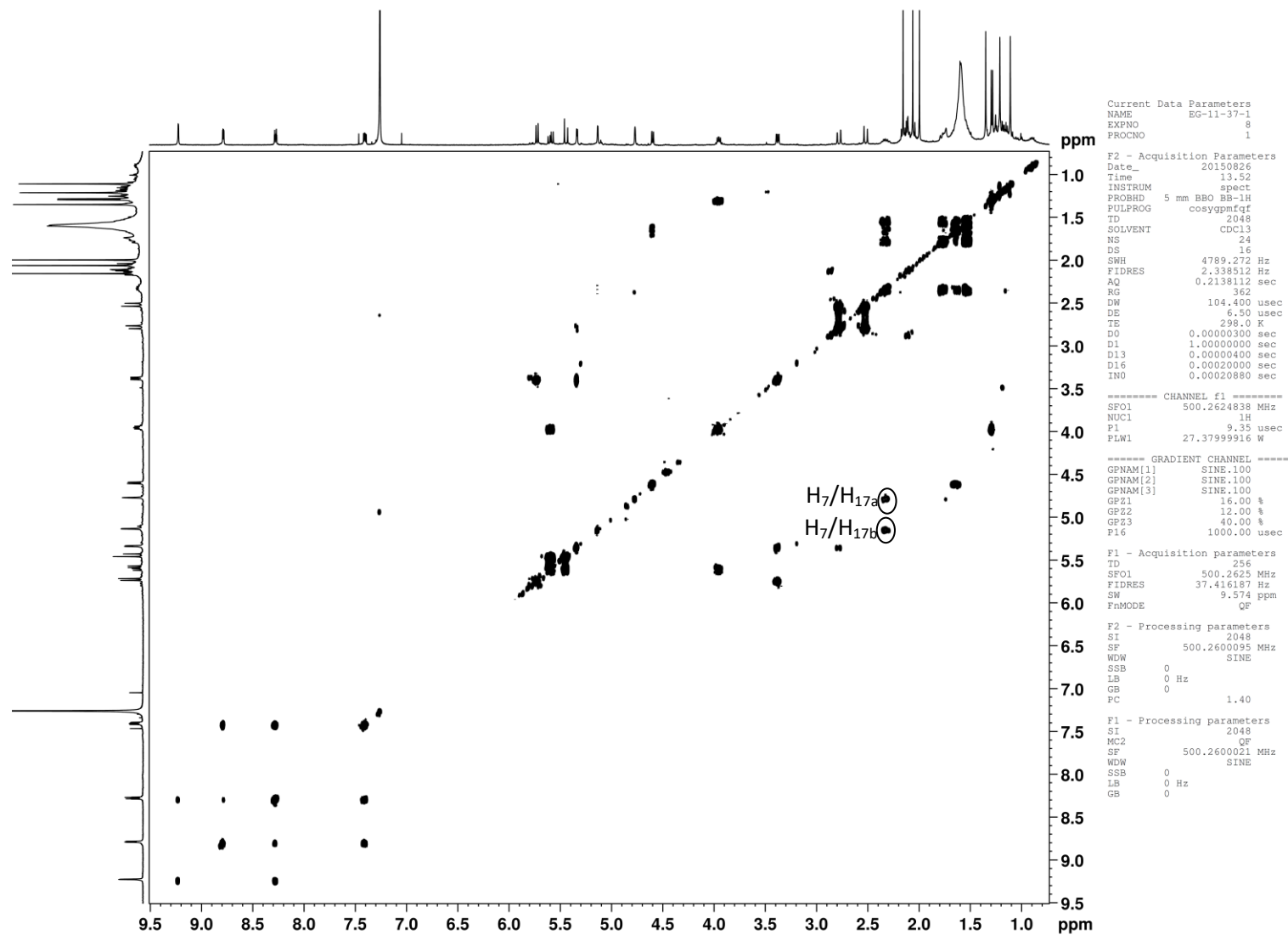


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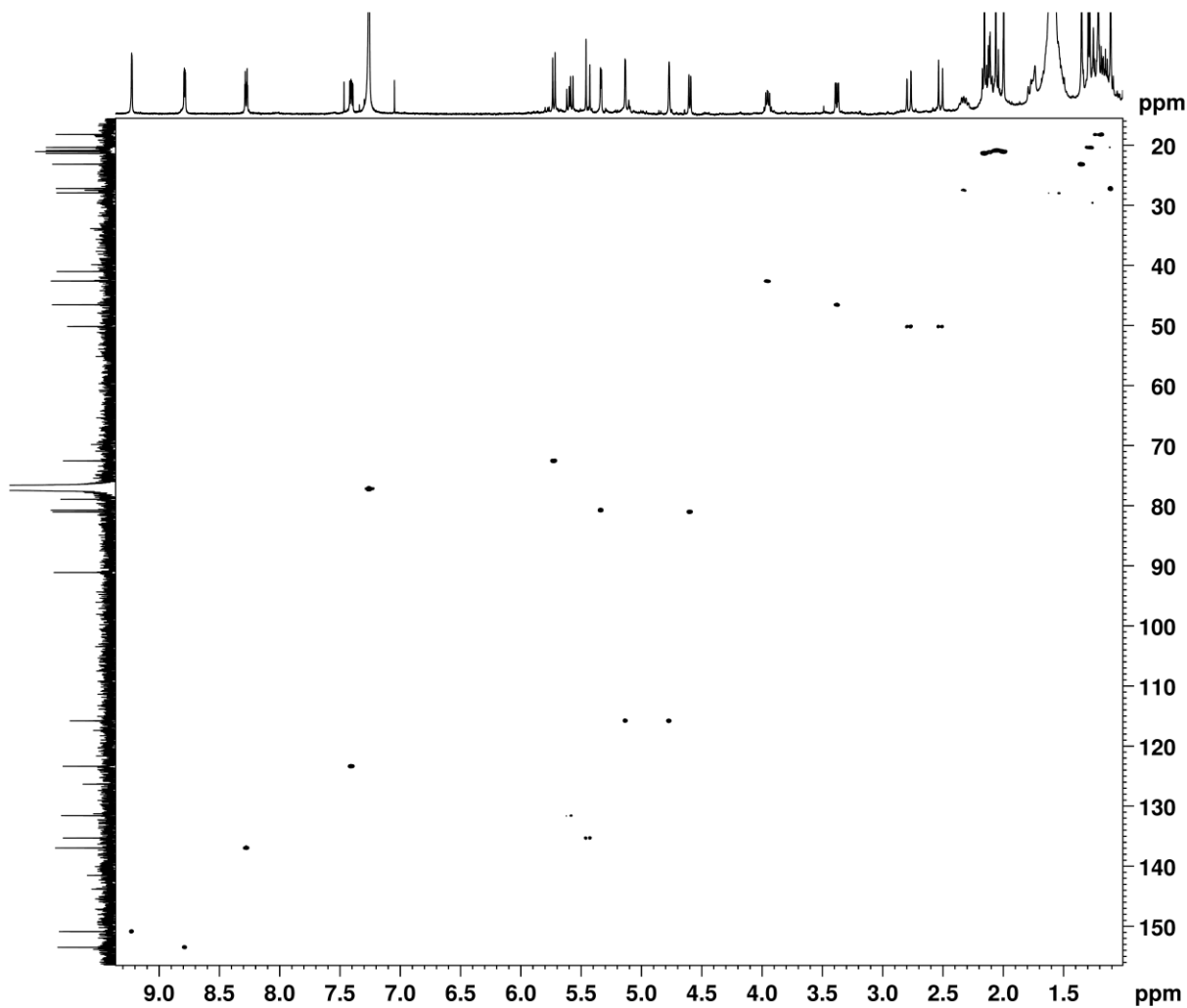
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 FIDRES 1.304170 Hz
 AQ 0.7667712 sec
 RG 2050
 DW 23.400 usec
 DE 6.50 usec
 TE 298.0 K
 CNST2 145.0000000
 D1 2.0000000 sec
 D2 0.00344828 sec
 D12 0.00002000 sec
 TD0 1
 SFO1 125.8024271 MHz
 NUC1 13C
 P1 11.50 usec
 P2 23.00 usec
 PLW1 32.22000122 W
 SFO2 500.2625488 MHz
 NUC2 1H
 CPDPRG[2] waltz16
 P3 9.35 usec
 P4 18.70 usec
 PCPD2 80.00 usec
 PLW2 27.39999962 W
 PLW12 0.37428001 W

F2 - Processing parameters
 SI 32768
 SF 125.7904787 MHz
 WDW EM
 SSB 0
 LB 1.50 Hz
 GB 0
 PC 1.40

S3. DEPT spectrum of nicaenin A (1)



S4. COSY spectrum of nicaenin A (1)



```

Current Data Parameters
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EXPNO    6
PROCNO   1

F2 - Acquisition Parameters
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PROBHD   5 mm BBO BB-1H
PULPROG  hsqcetgps12
TD       1024
SOLVENT  CDCl3
NS       64
DS       16
SWH      4789.272 Hz
FIDRES   4.677023 Hz
AQ       0.1069056 sec
RG       2050
DW       104.400 usec
DE       6.50 usec
TE       295.0 K
CNS2     145.000000
DO       0.0000300 sec
D1       2.0000000 sec
D4       0.00172414 sec
D11      0.0300000 sec
D16      0.0002000 sec
D24      0.00086207 sec
INO      0.00002340 sec
ZGPGPNS

***** CHANNEL f1 *****
SFO1    500.2624838 MHz
NUC1    1H
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P2      18.70 usec
P28     1000.00 usec
PLM1    27.37999916 W

***** CHANNEL f2 *****
SFO2    125.8024271 MHz
NUC2    13C
CPDPRG2 9arp
P3      11.50 usec
P4      23.00 usec
PCPD2   70.00 usec
PLW2    32.22800064 W
PLW12   0.86984003 W

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GPNAM[3] SINE.100
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GP23     11.00 %
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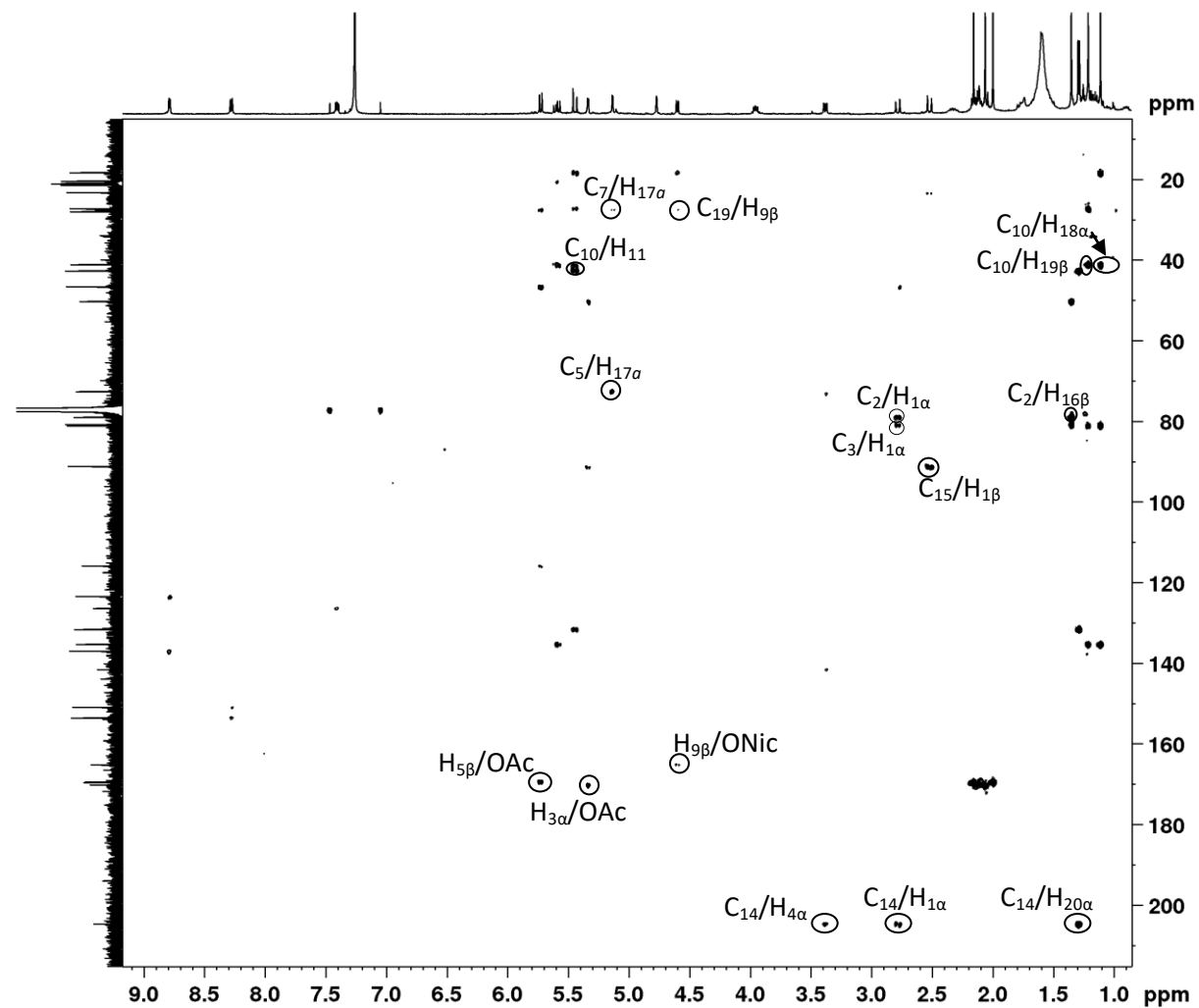
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SSB     2
LB      0 Hz
GB      0
PC      1.40

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MC2     echo-antiecho
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WDW     QSINE
SSB     2
LB      0 Hz
GB      0

```

S5. HSQC spectrum of nicaenin A (1)



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Current Data Parameters
NAME          5
EXPNO        8
PROCNO       1

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Date_        20150903
Time         19.38
INSTRUM     spect
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PULPROG     hmcgplpndqf
TD          2048
SOLVENT     CDCl3
NS          112
DS          16
SWH         4789.272 Hz
FIDRES     2.338512 Hz
AQ         0.2138112 sec
RG          2050
DW         104.400 usec
DE          6.50 usec
TE          298.0 K
CNST2      145.0000000
CNST13     8.0000000
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D1          1.5000000 sec
D2          0.00344828 sec
D4          0.00250000 sec
D16         0.0020000 sec
IN0         0.00001890 sec

===== CHANNEL f1 =====
SF01      500.2624638 MHz
NUC1       13C
P1         9.35 usec
P2        18.70 usec
PLW1      27.37999916 W

===== CHANNEL f2 =====
SF02      125.8043140 MHz
NUC2       13C
P3        11.50 usec
PLW2      32.22800064 W

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GP23       40.10 %
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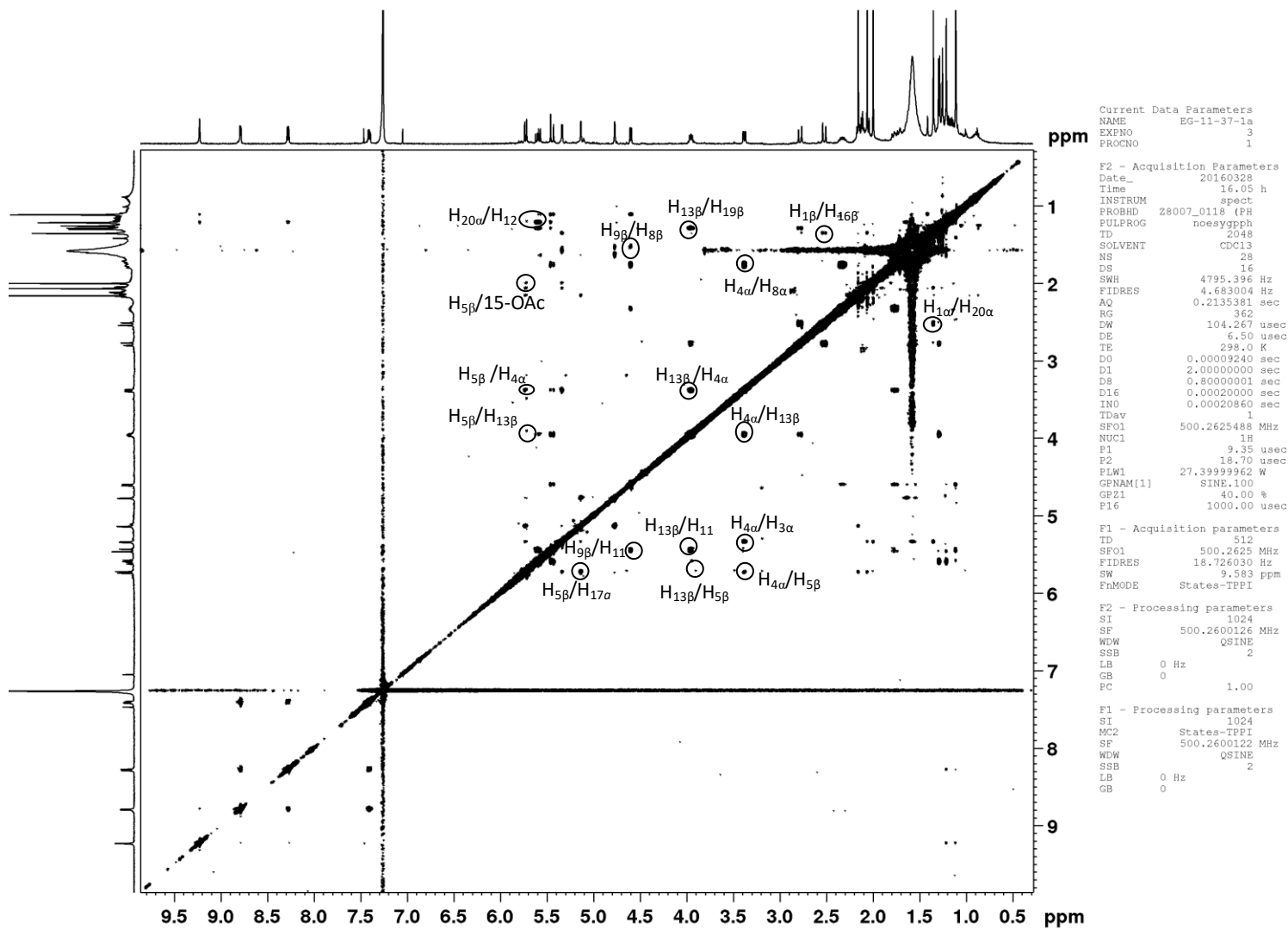
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SW         210.287 ppm
FbMODE     QF

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SSB         0
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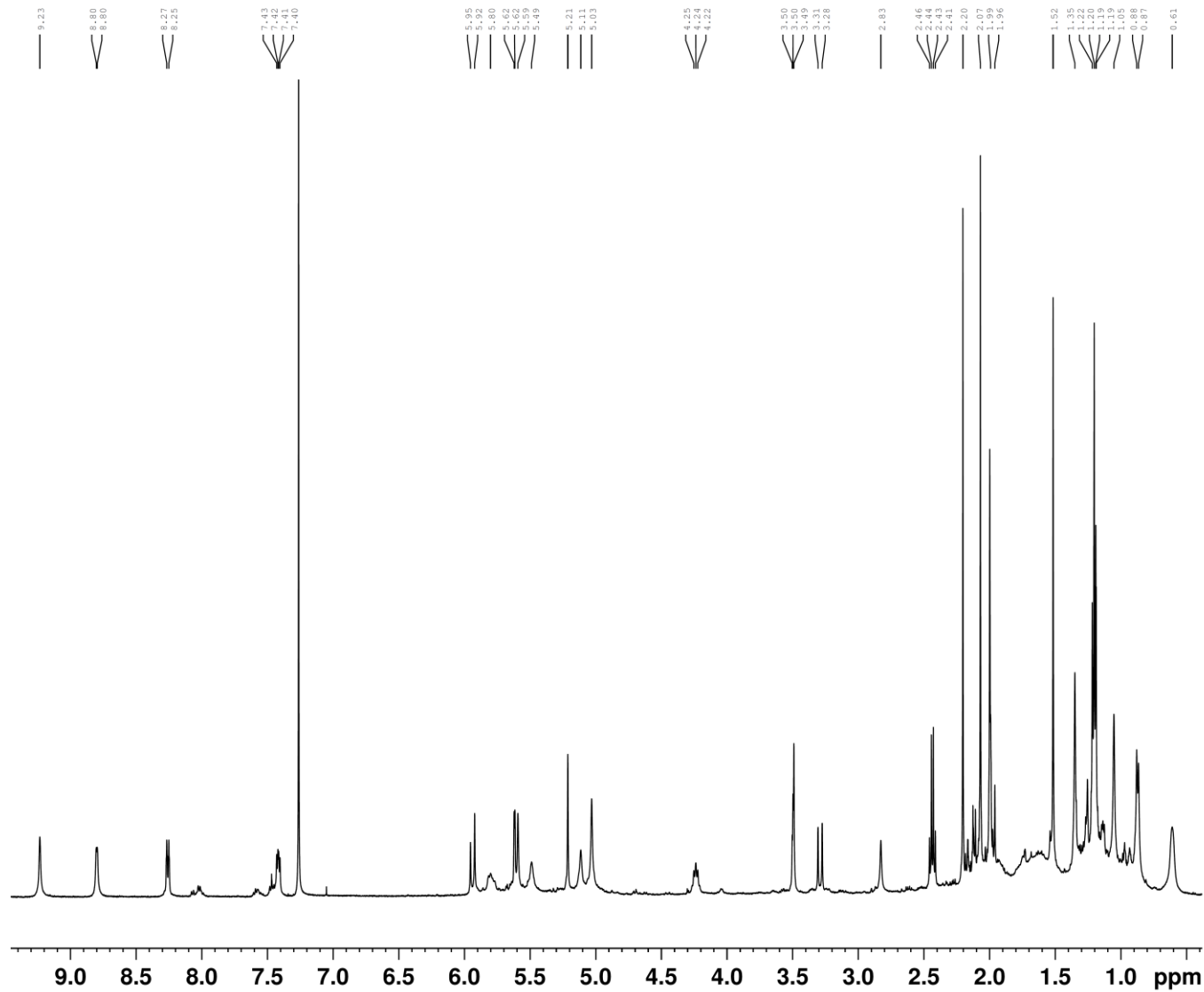
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WC2        QF
SF         125.7904636 MHz
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```

S6. HMBC spectrum of nicaeenin A (1)



S7. NOESY spectrum of nicaenin A (1)



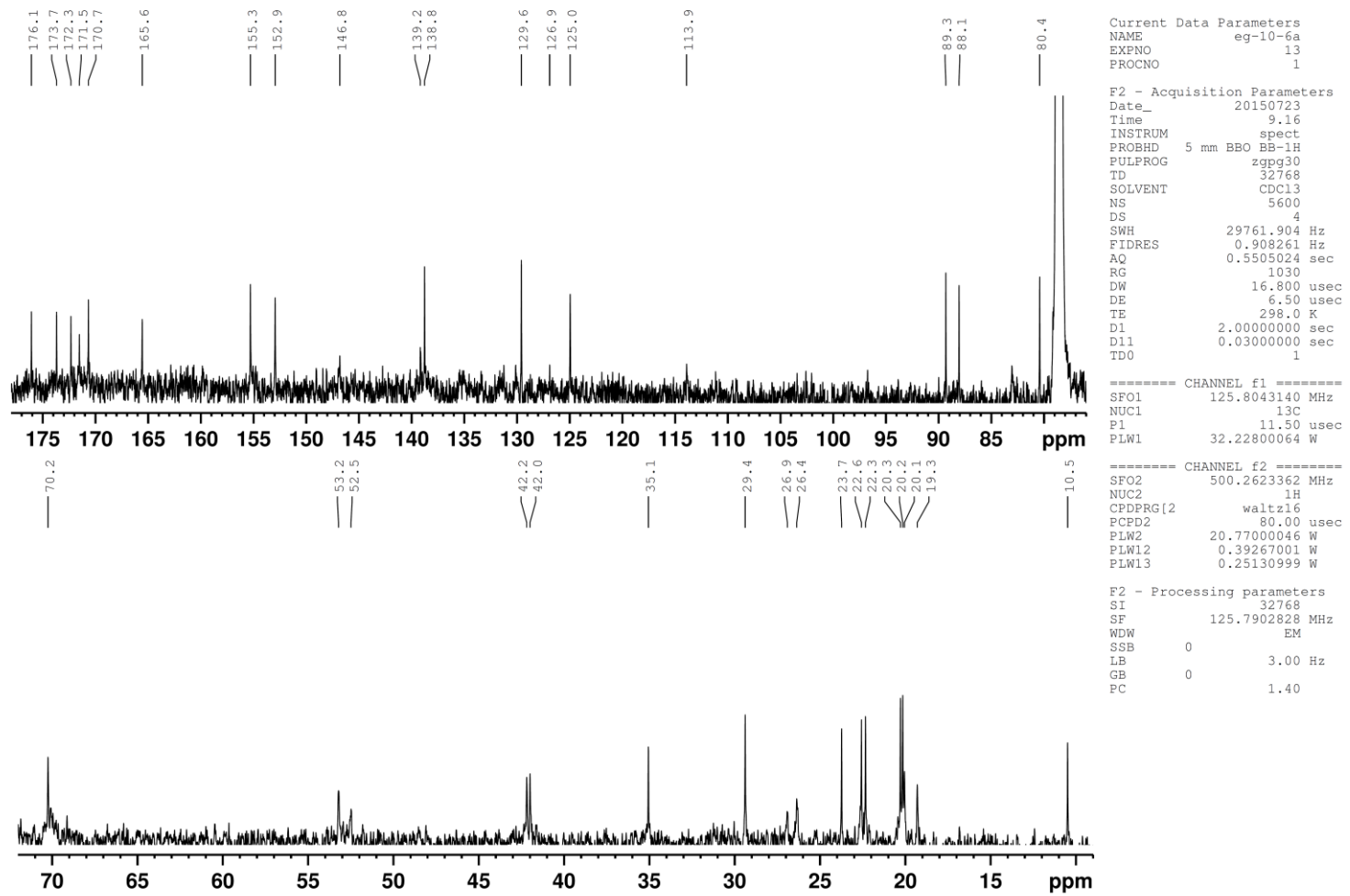
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 PROBHD 5 mm BBO BB-1H
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 64
 DS 0
 SWH 7507.507 Hz
 FIDRES 0.229111 Hz
 AQ 2.1823487 sec
 RG 287
 DW 66.600 usec
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 TE 298.0 K
 D1 1.5000000 sec
 TD0 1

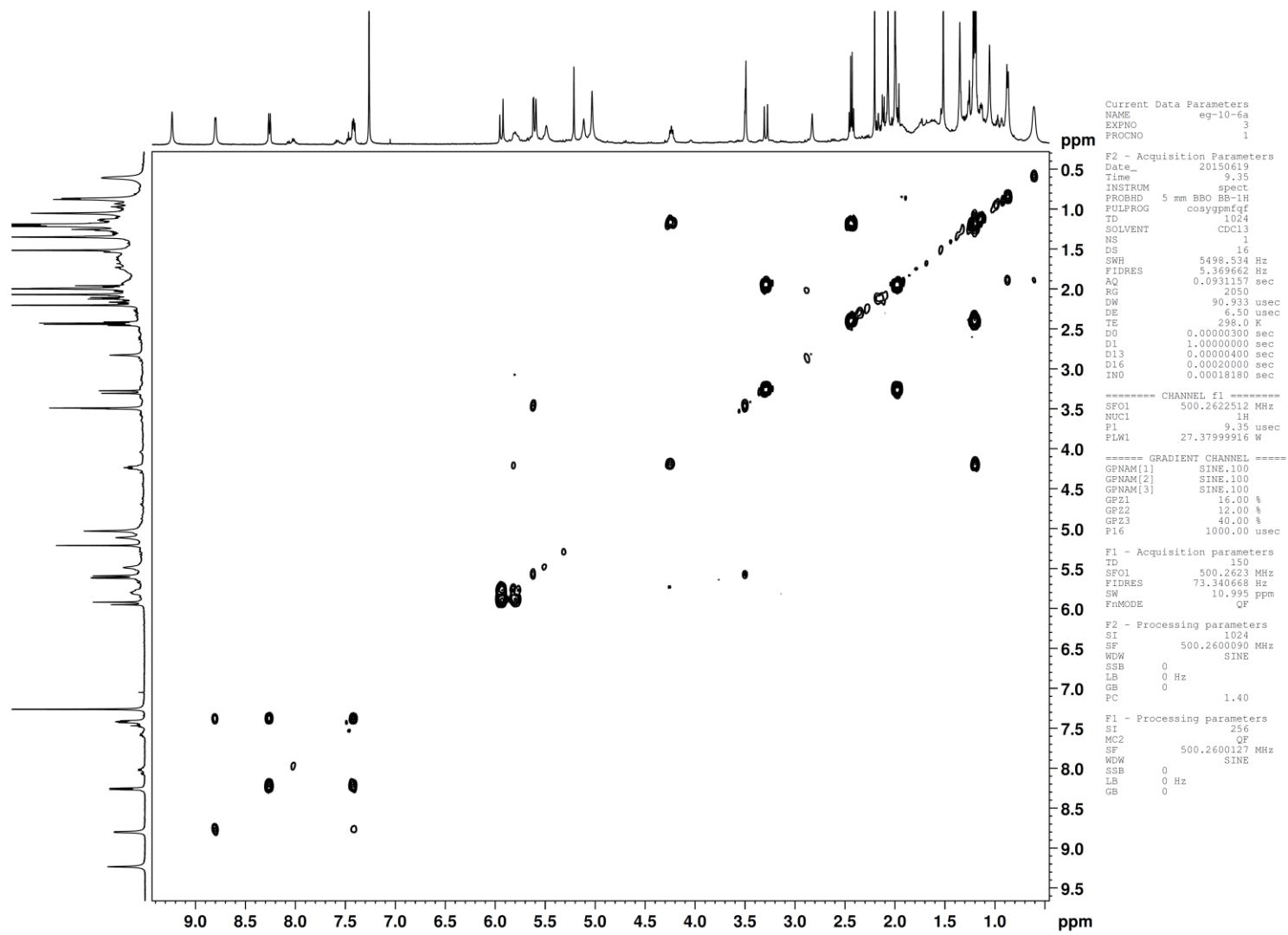
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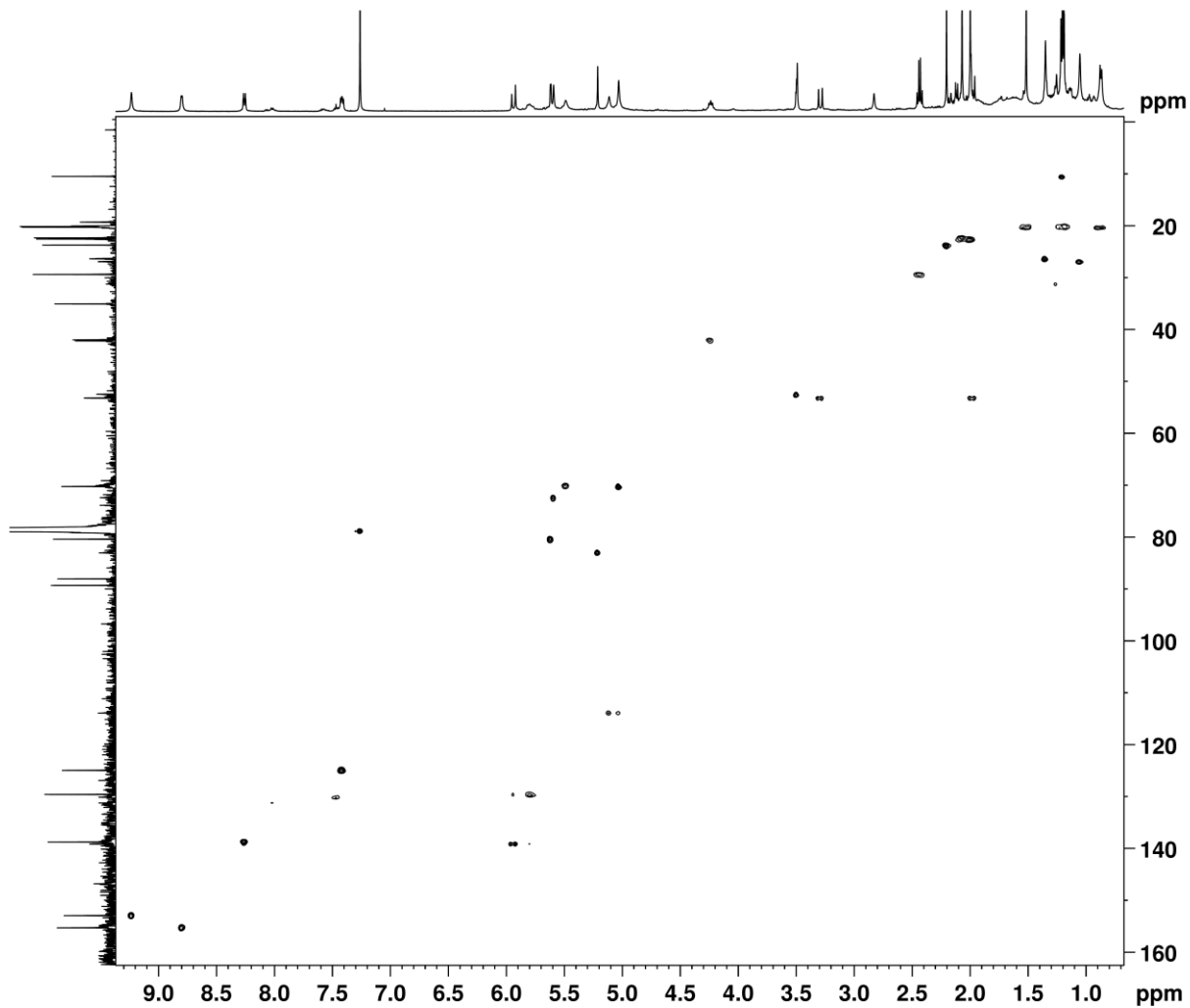
S8. ¹H NMR spectrum of nicaenin B (2)



S9. ¹³C NMR spectrum of nicaeenin B (2)



S10. COSY spectrum of nicaeenin B (2)



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Current Data Parameters
NAME          eg-10-6a
EXPNO        2
PROCNO       1

F2 - Acquisition Parameters
Date_         20150722
Time          19.13
INSTRUM      spect
PROBHD       5 mm BBO BB-1H
PULPROG      hsqcetppa12
TD           1024
SOLVENT      CDCl3
NS           32
DS           16
SWH          5397.143 Hz
FIDRES       5.231595 Hz
AQ           0.0955733 sec
RG           2090
DW           93.333 usec
DE           6.50 usec
TE           298.0 K
CKST2        145.0000000
DO           0.0000300 sec
D1           2.0000000 sec
D4           0.00172414 sec
D11          0.0300000 sec
D16          0.0002000 sec
D24          0.00086207 sec
INO          0.00001660 sec
ZGPGFINS

===== CHANNEL f1 =====
SF01         500.2623362 MHz
NUC1         1H
P1           9.35 usec
P2           18.70 usec
P28          1000.00 usec
PLW1         27.37999916 W

===== CHANNEL f2 =====
SF02         125.8043140 MHz
NUC2         13C
CPDPRG2      gmp
P3           11.50 usec
P4           23.00 usec
PCPD2        70.00 usec
PLW2         32.22800064 W
PLW12        0.86984003 W

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GFNAM[3]     SINE.100
GFNAM[4]     SINE.100
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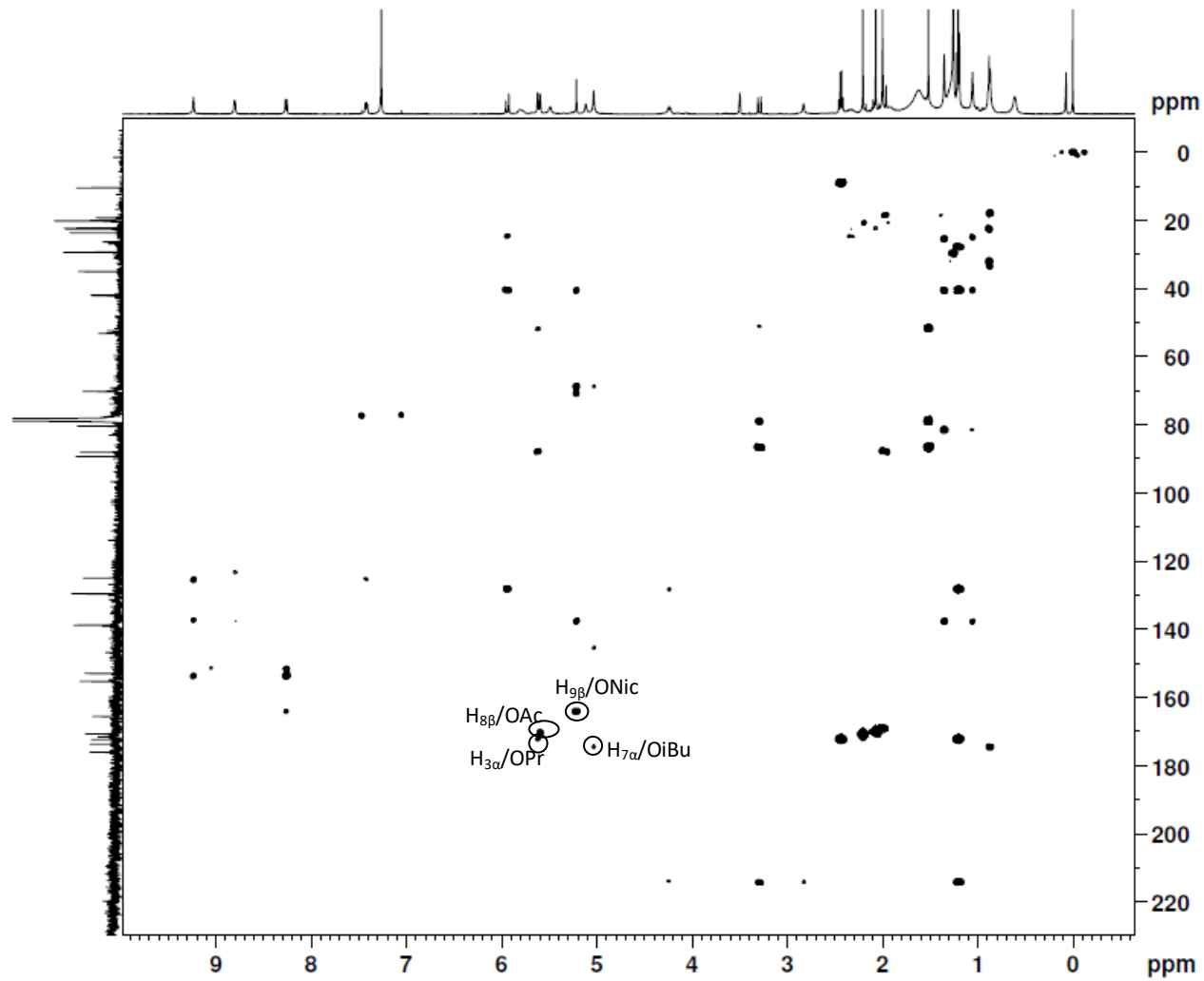
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FMODE        Echo-Antiecho

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WDW          QSINE
SSB          2
LB           0 Hz
GB           0
PC           1.40

F1 - Processing parameters
SI           512
MC2          echo-antiecho
SF           125.7902719 MHz
WDW          QSINE
SSB          2
LB           0 Hz
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```

S11. HSQC spectrum of nicaeenin B (2)



```

Current Data Parameters
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EXPNO    3
PROCNO   1

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PROBHD   5 mm BBO BB-1H
PULPROG  hmcgcp1pdgdf
ID       1024
SOLVENT  CDCl3
NS       128
DS       16
SWH      5319.149 Hz
FIDRES   5.194481 Hz
AQ       0.0962560 sec
RG       2050
DM       94.000 usec
DE       6.50 usec
TE       298.0 K
CNST2    145.0000000
CNST13   0.0000000
D0       0.00000000 sec
D1       1.50000000 sec
D2       0.00344828 sec
D6       0.06250000 sec
D14      0.00000000 sec
IN0      0.00001660 sec

----- CHANNEL f1 -----
SFO1     500.2623442 MHz
NUC1     1H
P1       9.35 usec
P2       18.70 usec
PLW1     27.37999916 W

----- CHANNEL f2 -----
SFO2     125.8043140 MHz
NUC2     13C
P3       11.50 usec
PLW2     32.22800064 W

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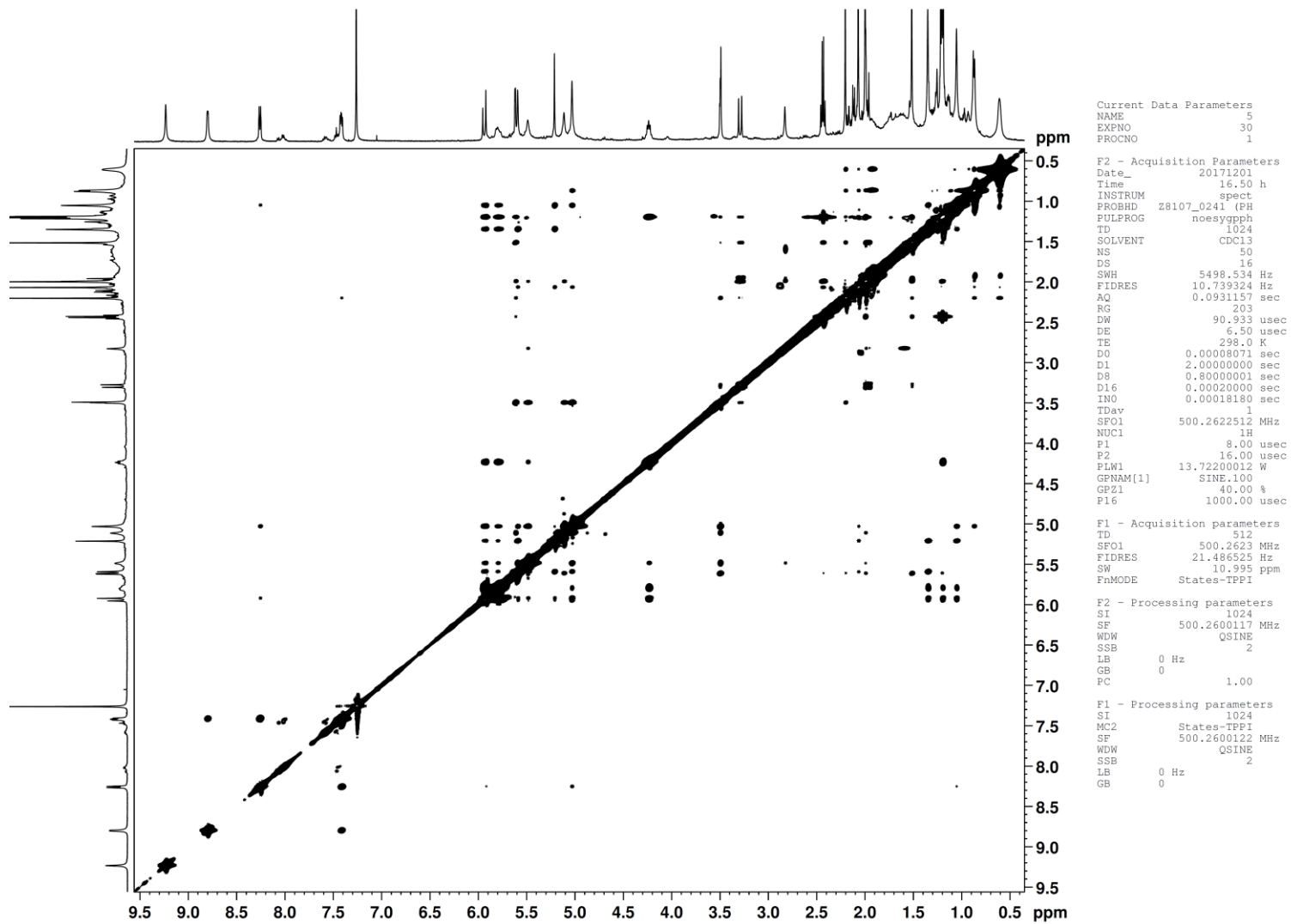
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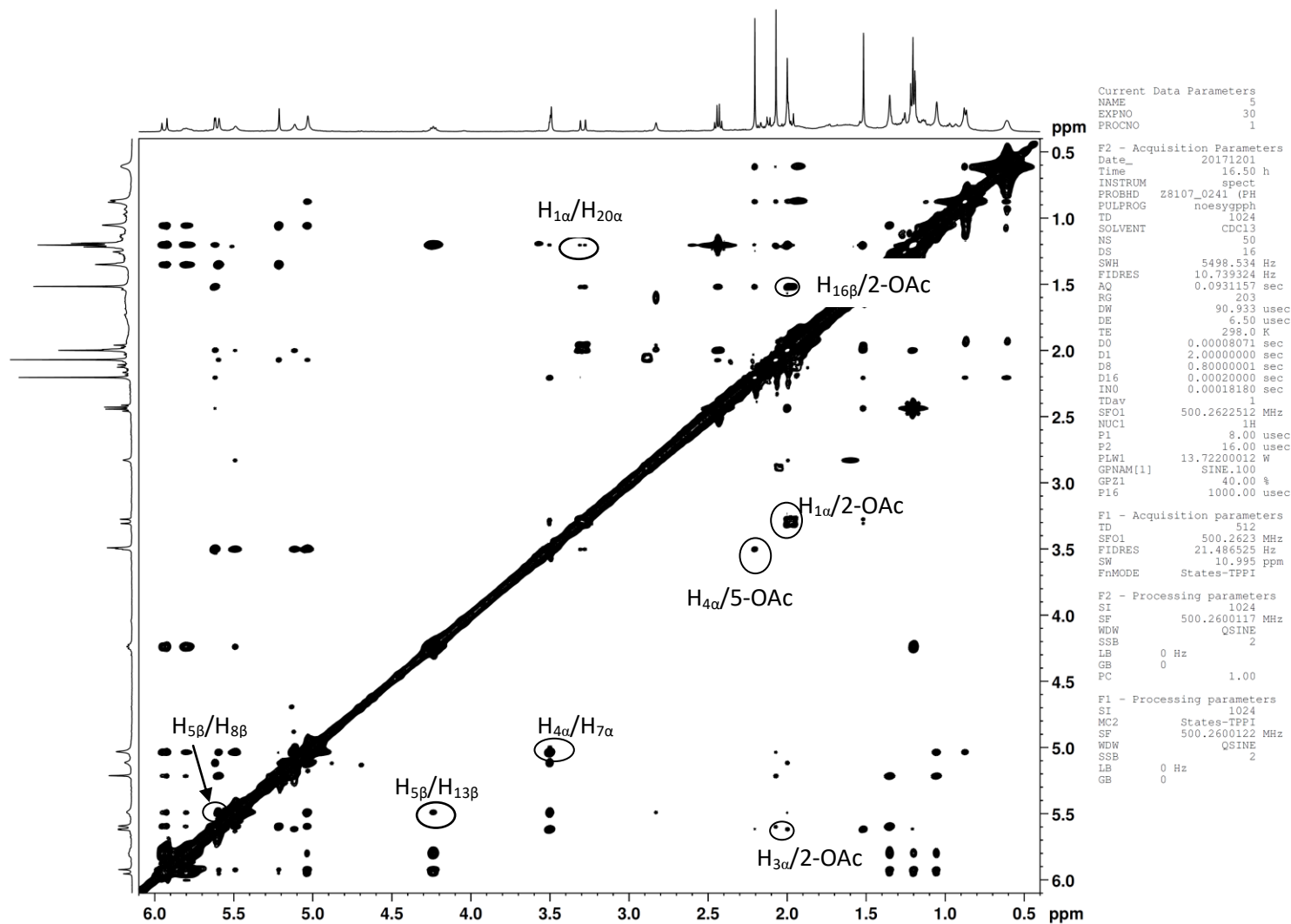
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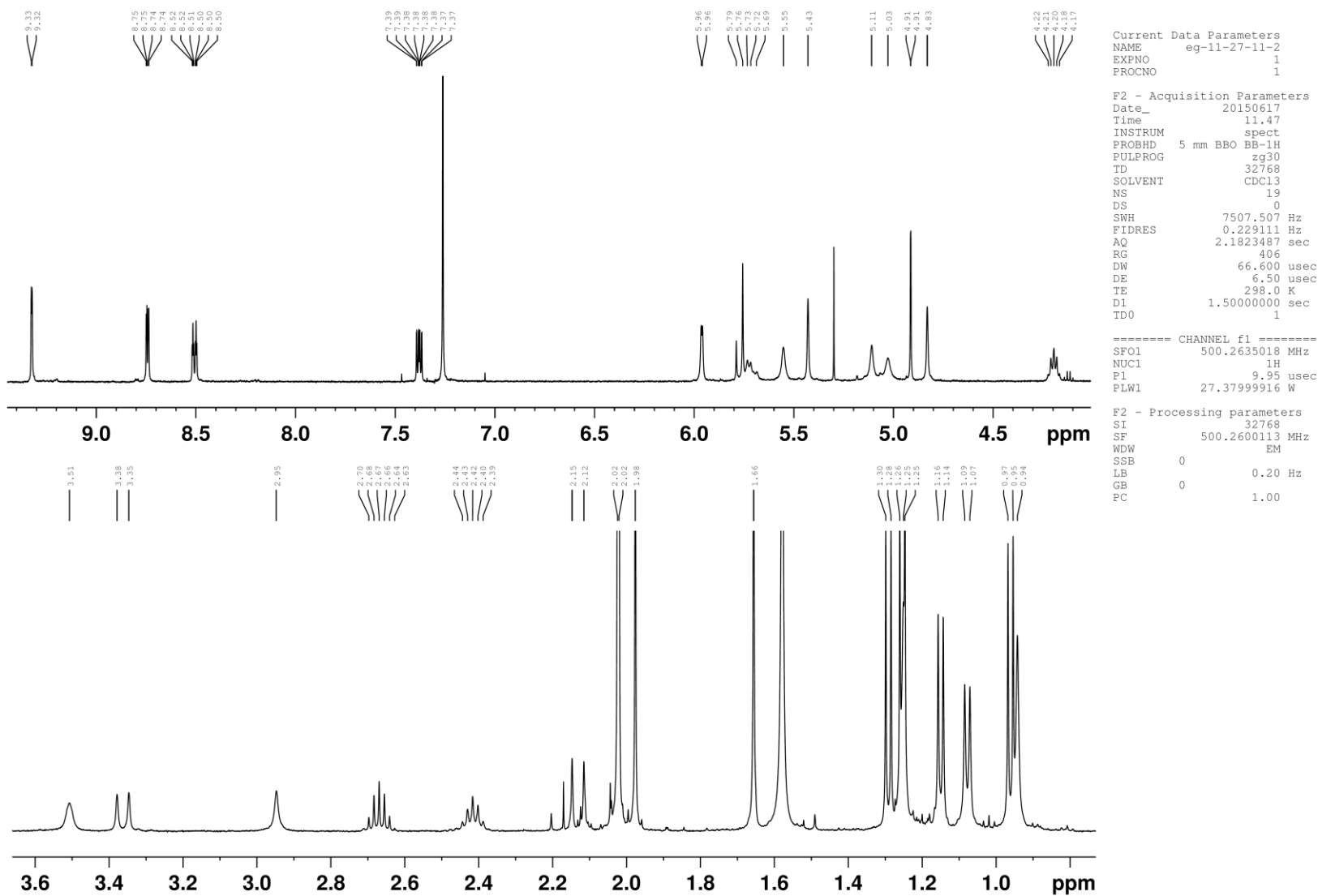
S12. HMBC spectrum of nicaeenin B (2)



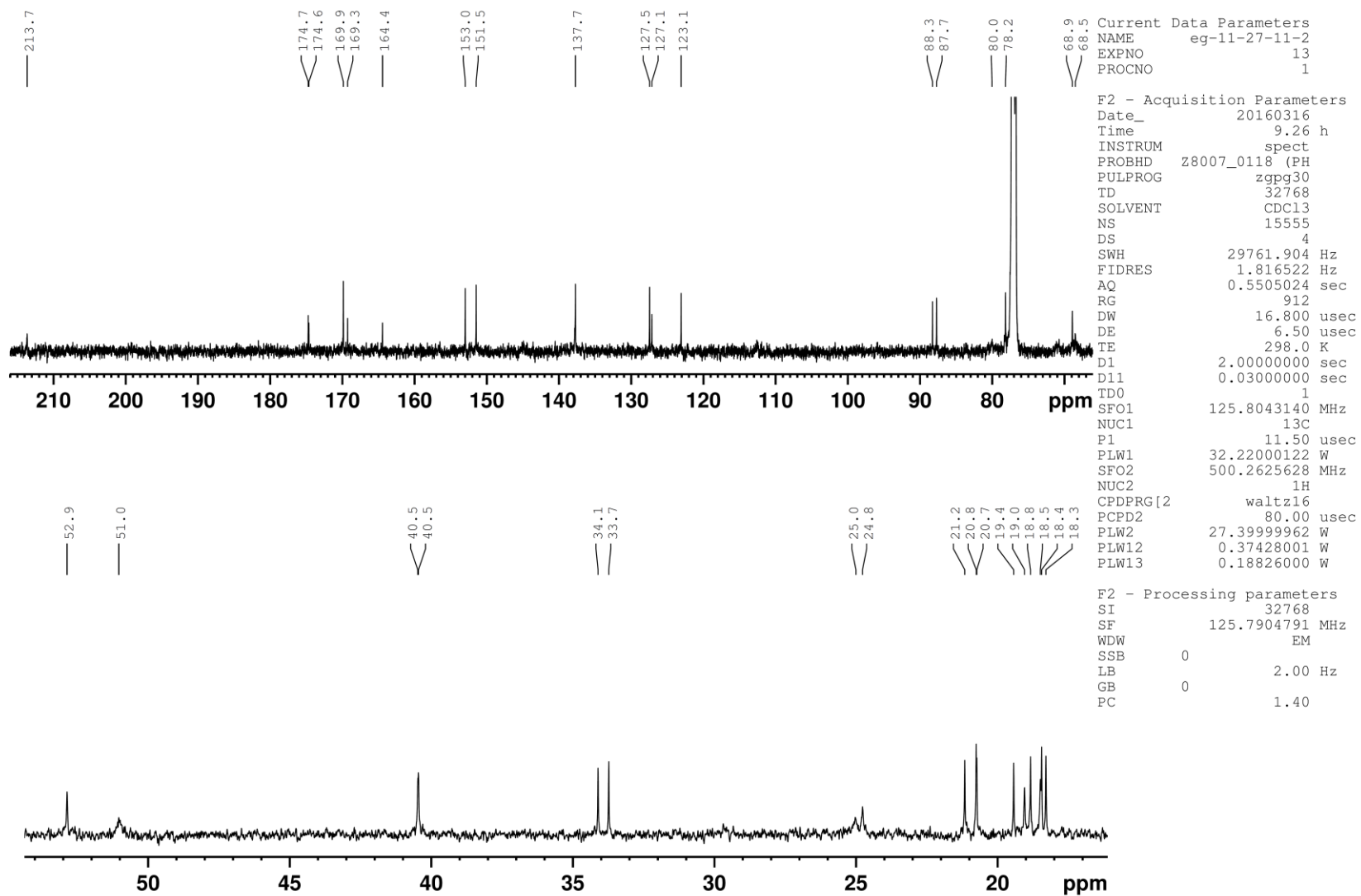
S13. NOESY spectrum of nicaeenin B (2)



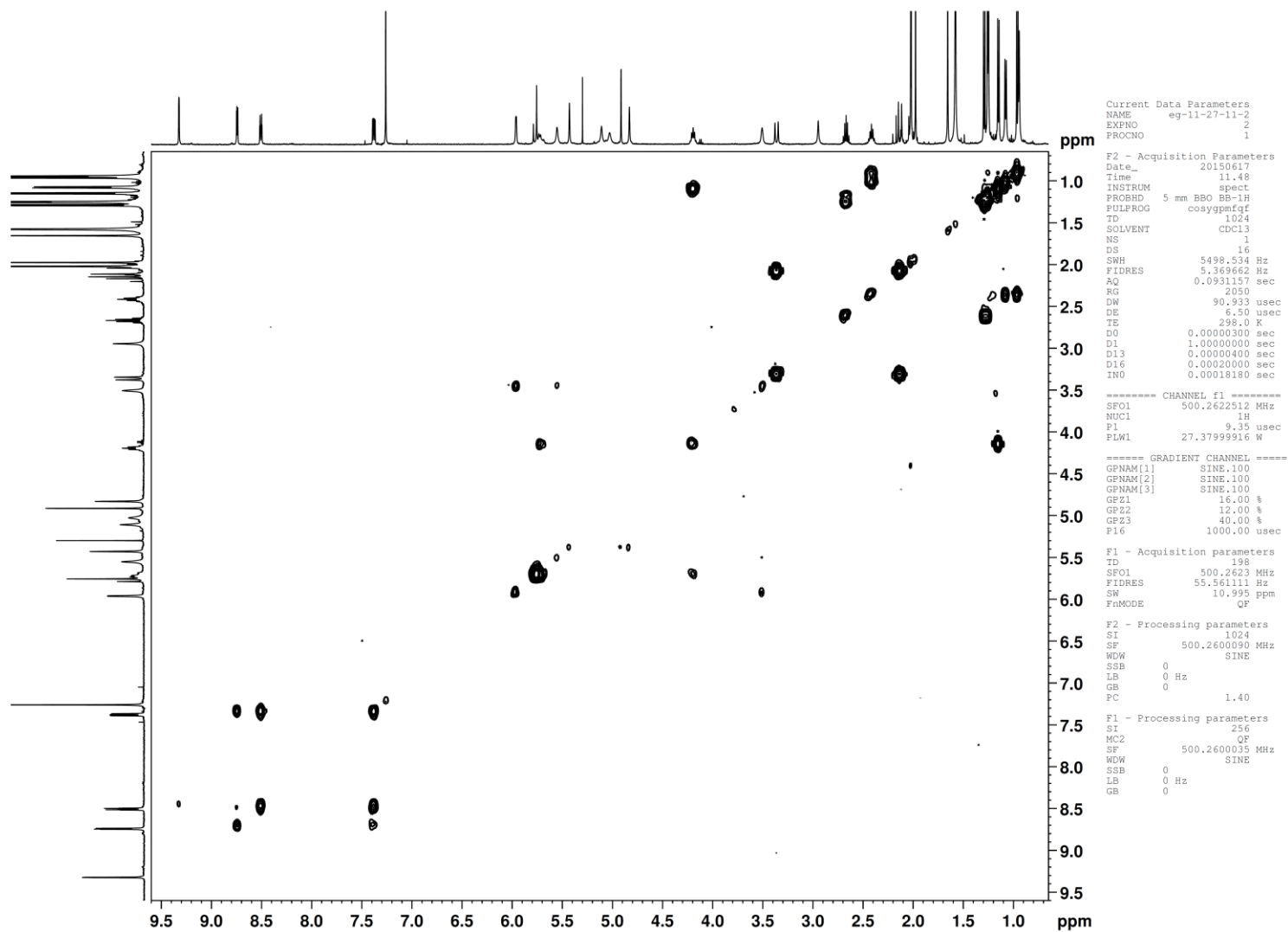
S14. NOESY spectrum of nicaeenin B (2) (expanded)



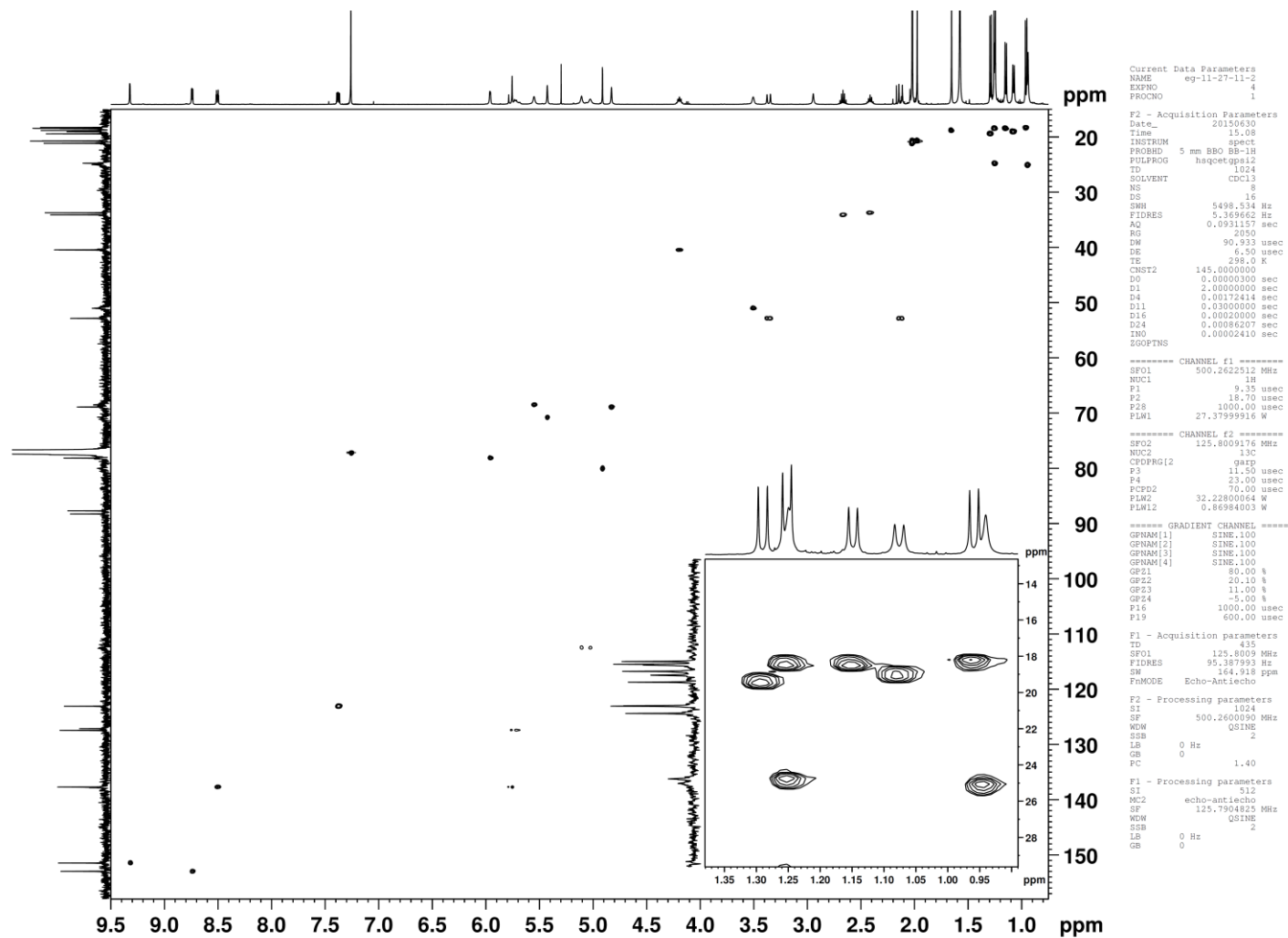
S15. ¹H NMR spectrum of nicaenin C (3)



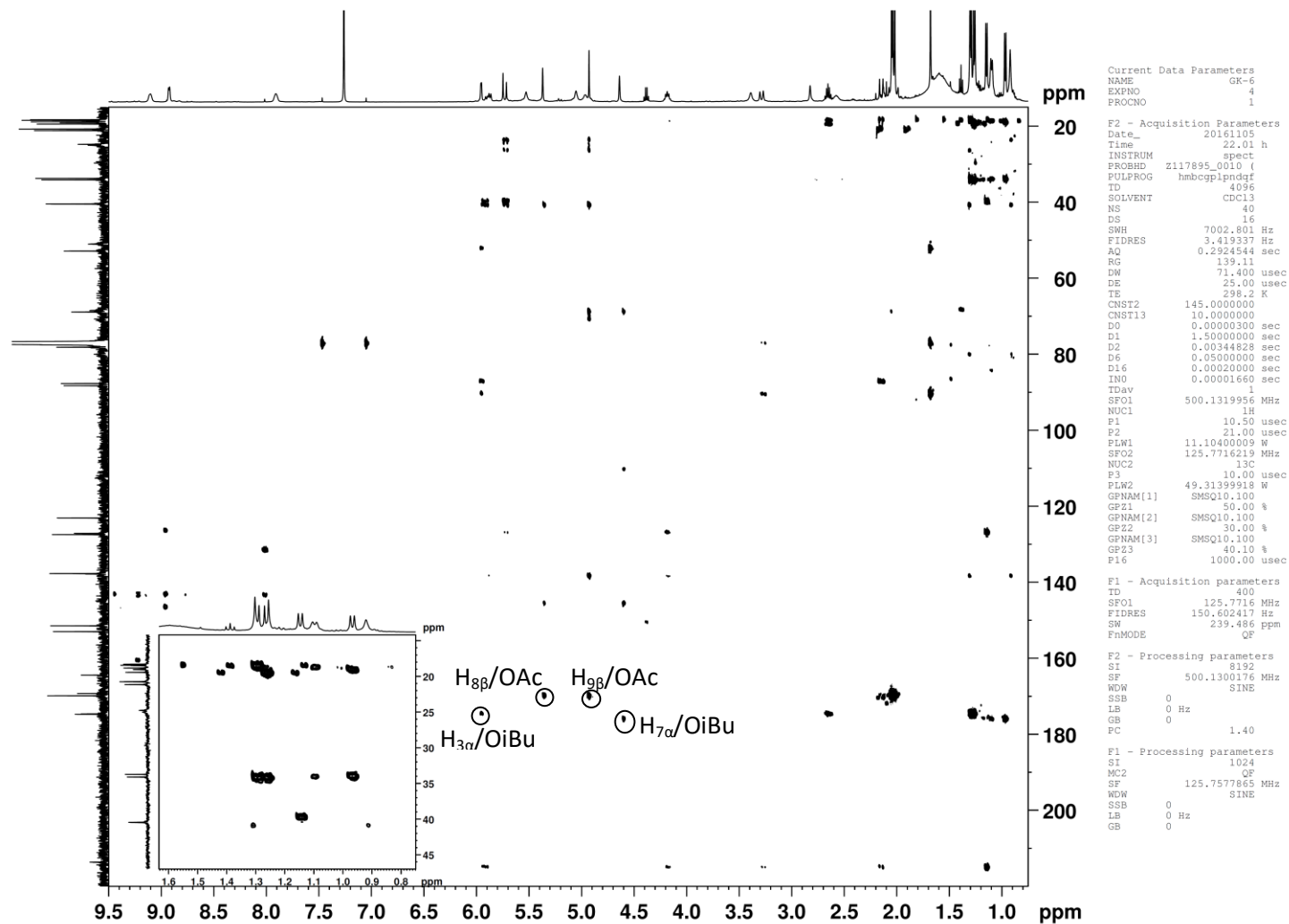
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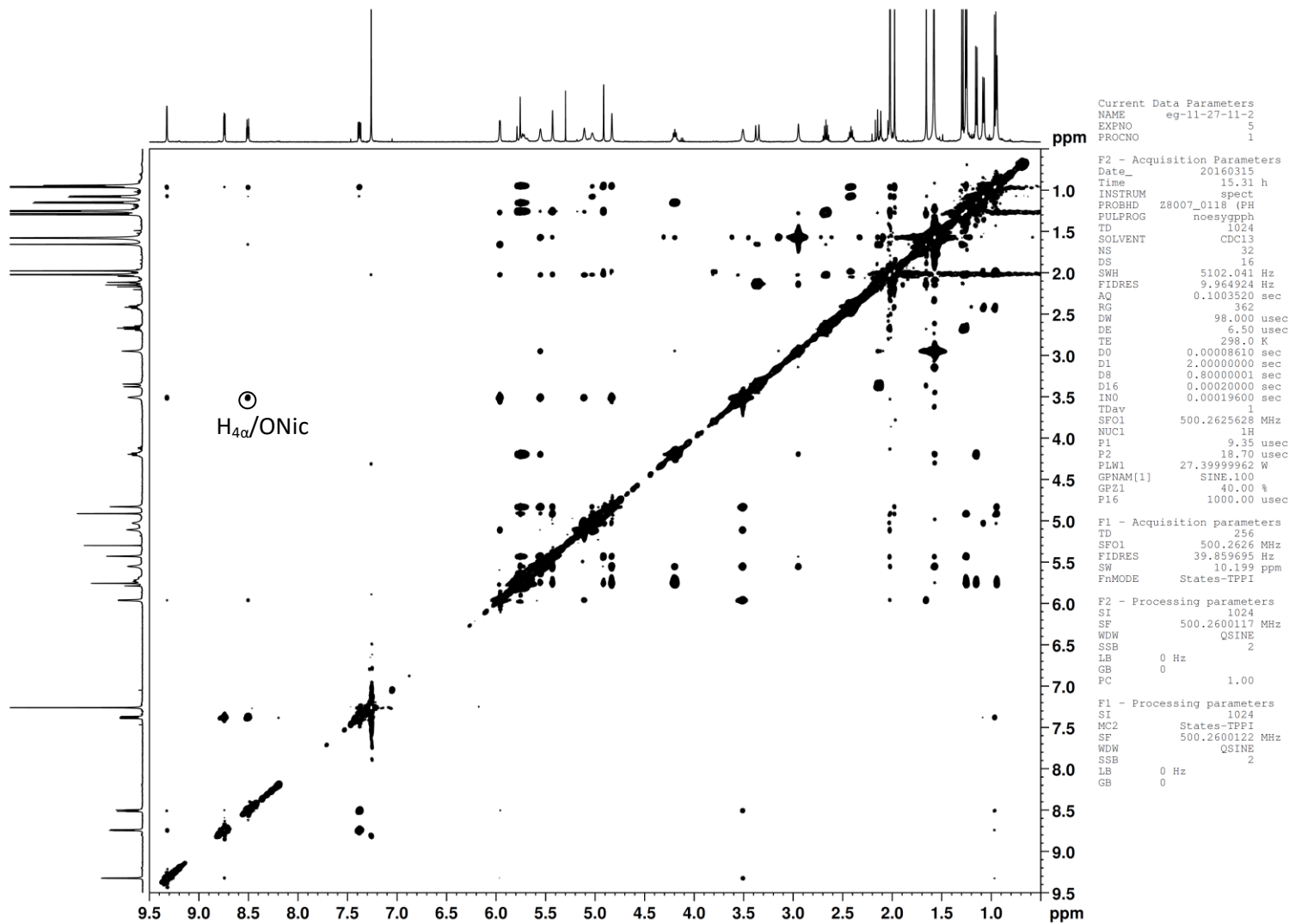
S17. COSY spectrum of nicaeenin C (3)



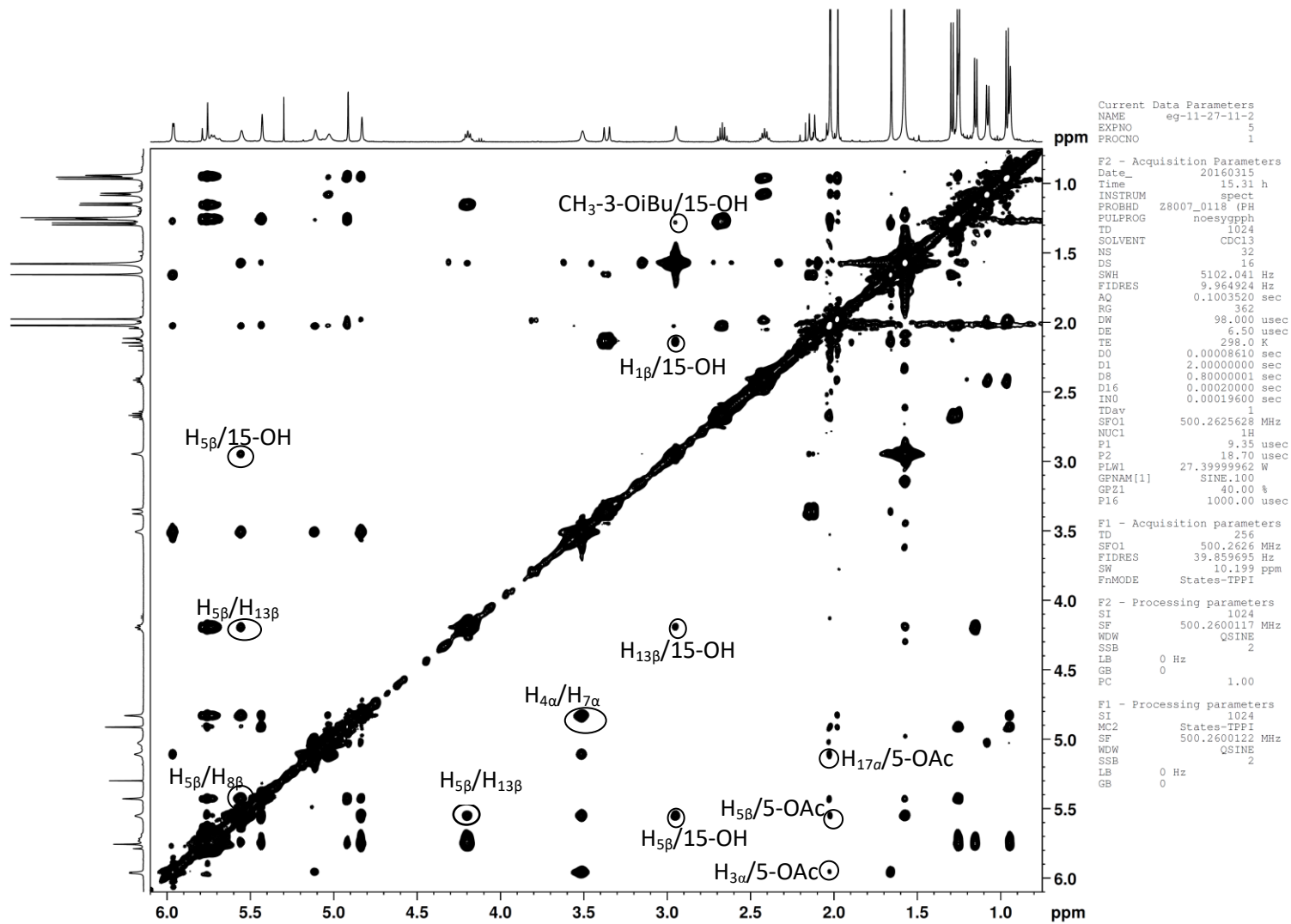
S18. HSQC spectrum of nicaeenin C (3)



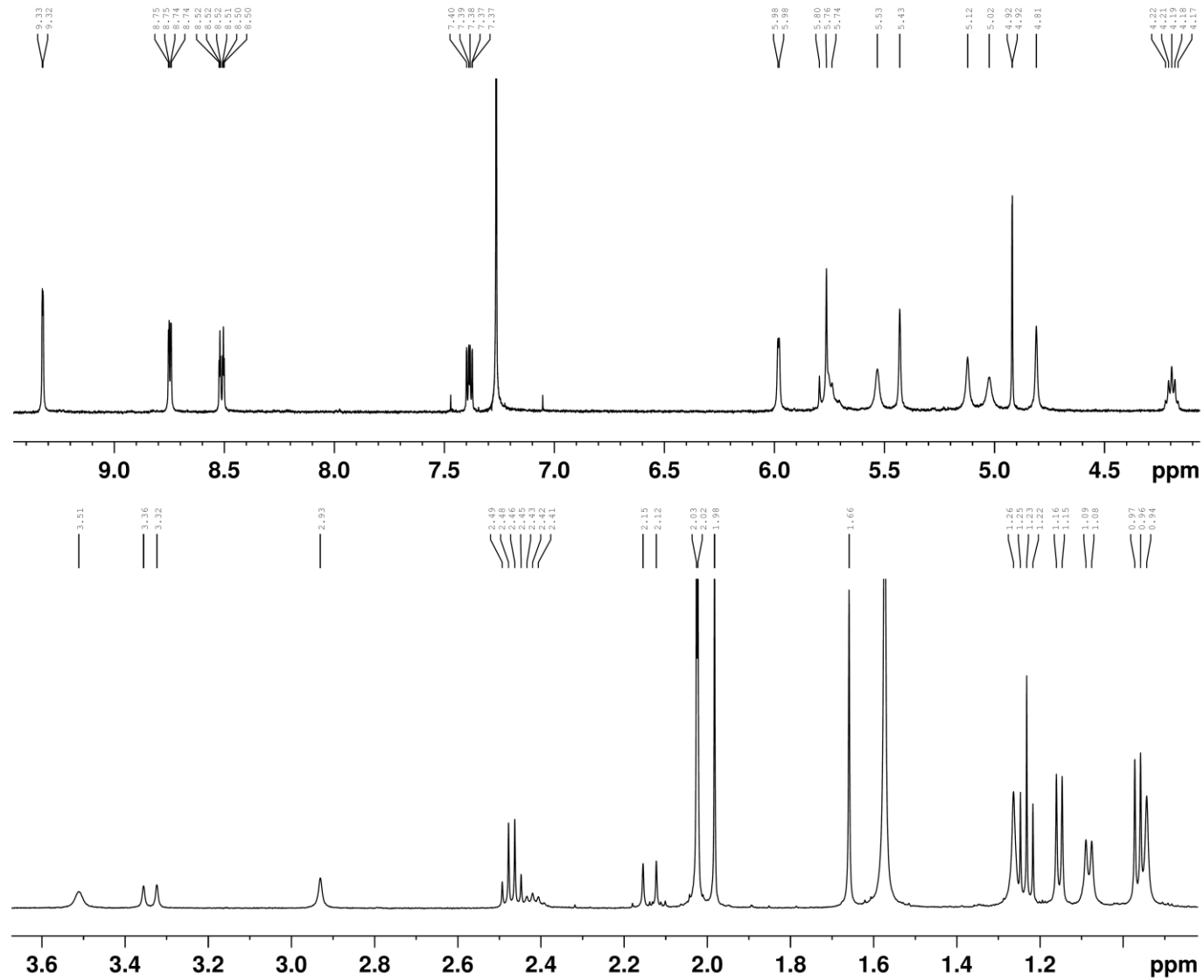
S19. HMBC spectrum of nicaeenin C (3)



S20. NOESY spectrum of nicaeenin C (3)



21. NOESY spectrum of nicaenin C (3) (expanded)



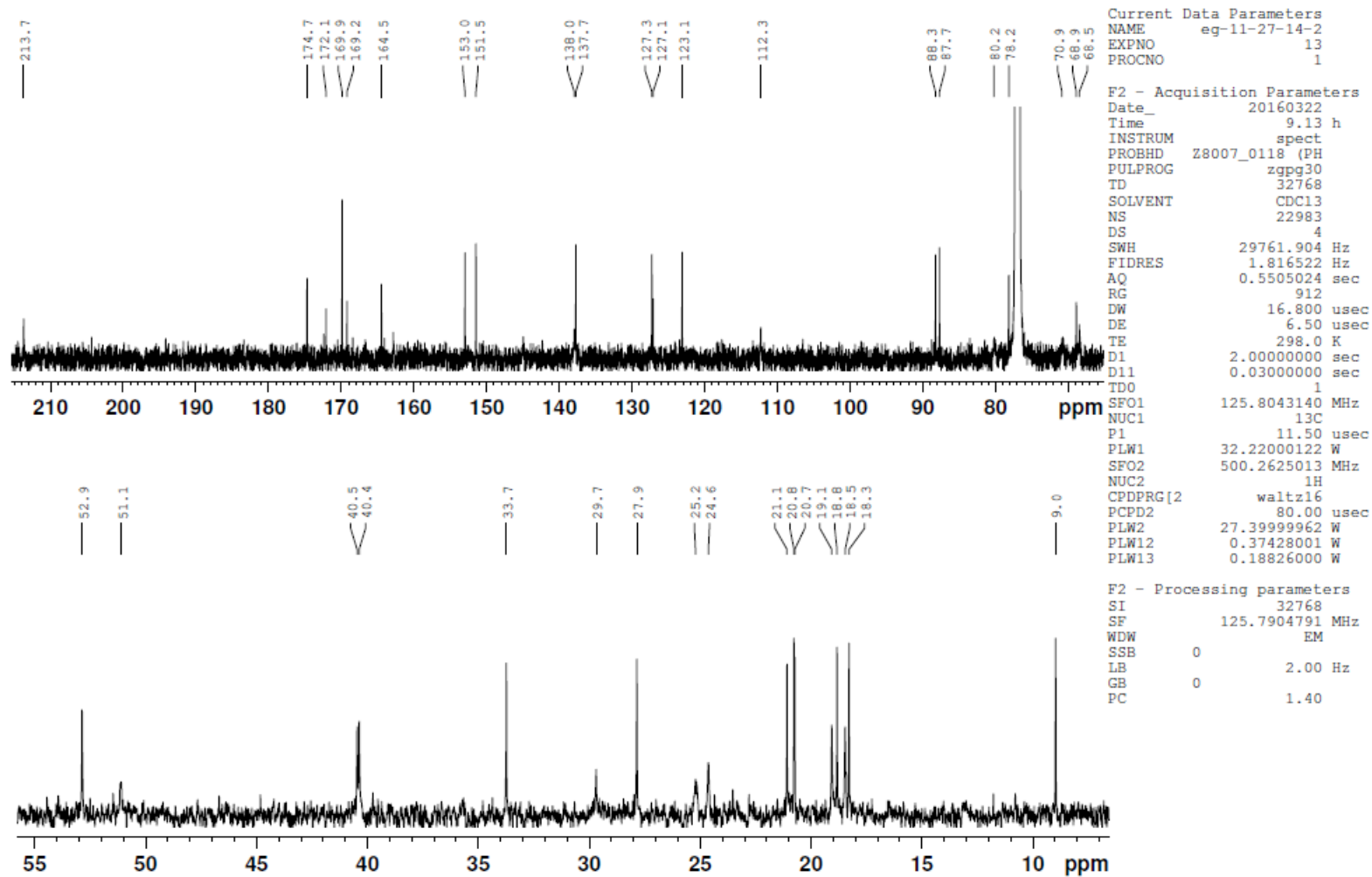
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 PULPROG zg30
 TD 32768
 SOLVENT CDC13
 NS 26
 DS 0
 SWH 7507.507 Hz
 FIDRES 0.229111 Hz
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 RG 406
 DW 66.600 usec
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 TE 298.0 K
 D1 1.5000000 sec
 TDO 1

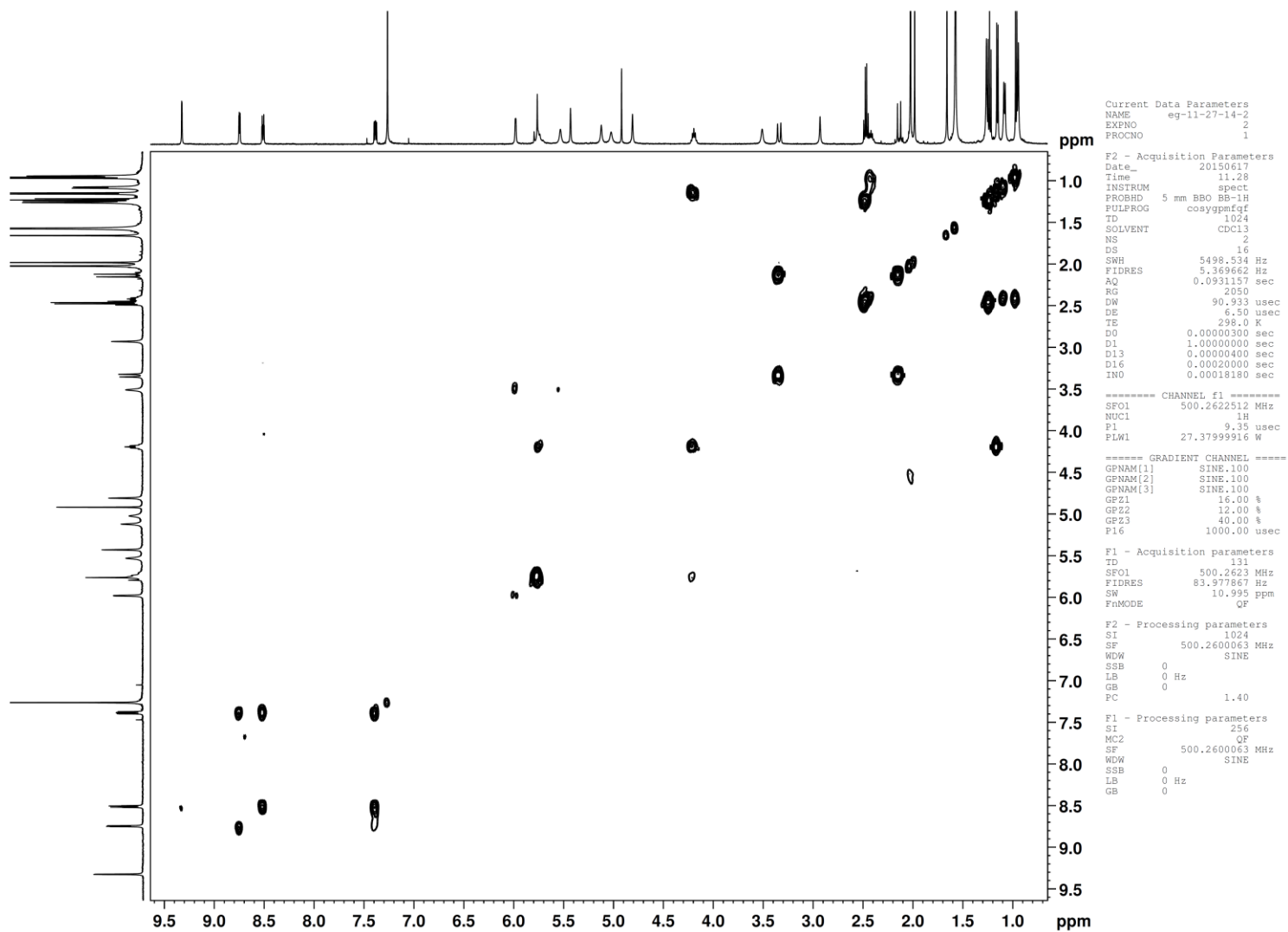
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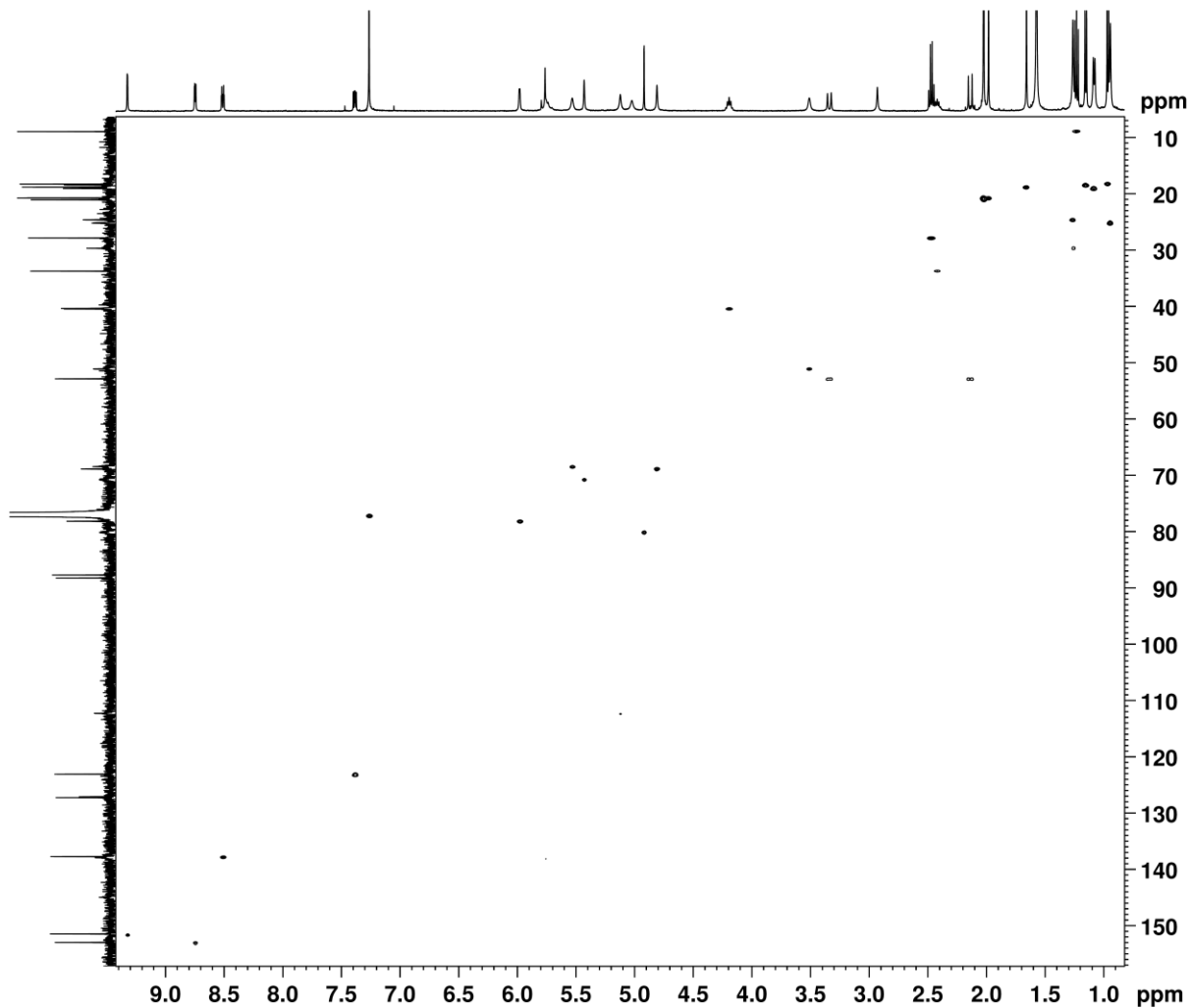
S22. ¹H NMR spectrum of nicaenin D (4)



S23. ¹³C NMR spectrum of nicaenin D (4)



S24. COSY spectrum of nicaeenin D (4)



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Current Data Parameters
NAME          eg-11-27-14-2
EXPNO         30
PROCNO        1

F2 - Acquisition Parameters
Date_         20150622
Time          15.25
INSTRUM       spect
PROBHD        5 mm BBO BB-1H
PULPROG       hsqcetgps12
TD            1024
SOLVENT       CDCl3
NS            16
DS            16
SWH           5498.534 Hz
FIDRES        5.369662 Hz
AQ            0.0931157 sec
RG            2050
DW            90.933 usec
DE            6.50 usec
TE            298.0 K
CUST2         145.000000
DO            0.00000300 sec
D1            2.00000000 sec
D4            0.00172414 sec
D11           0.03000000 sec
D16           0.00020000 sec
D24           0.0008207 sec
INO           0.00002410 sec
SFOFFMS

===== CHANNEL f1 =====
SFO1          500.2622512 MHz
NUC1          1H
P1            9.35 usec
P2            18.70 usec
P28           1000.00 usec
PLW1          27.37999916 W

===== CHANNEL f2 =====
SFO2          125.8009176 MHz
NUC2          13C
CFPRG2        gprp
P3            11.50 usec
P4            23.00 usec
PCPD2         30.00 usec
PLW2          32.22800064 W
PLW12         0.86984003 W

----- GRADIENT CHANNEL -----
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GFNAM[3]      SINE.100
GFNAM[4]      SINE.100
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GF22          20.10 %
GF23          11.00 %
GF24          -5.00 %
P16           1000.00 usec
P19           600.00 usec

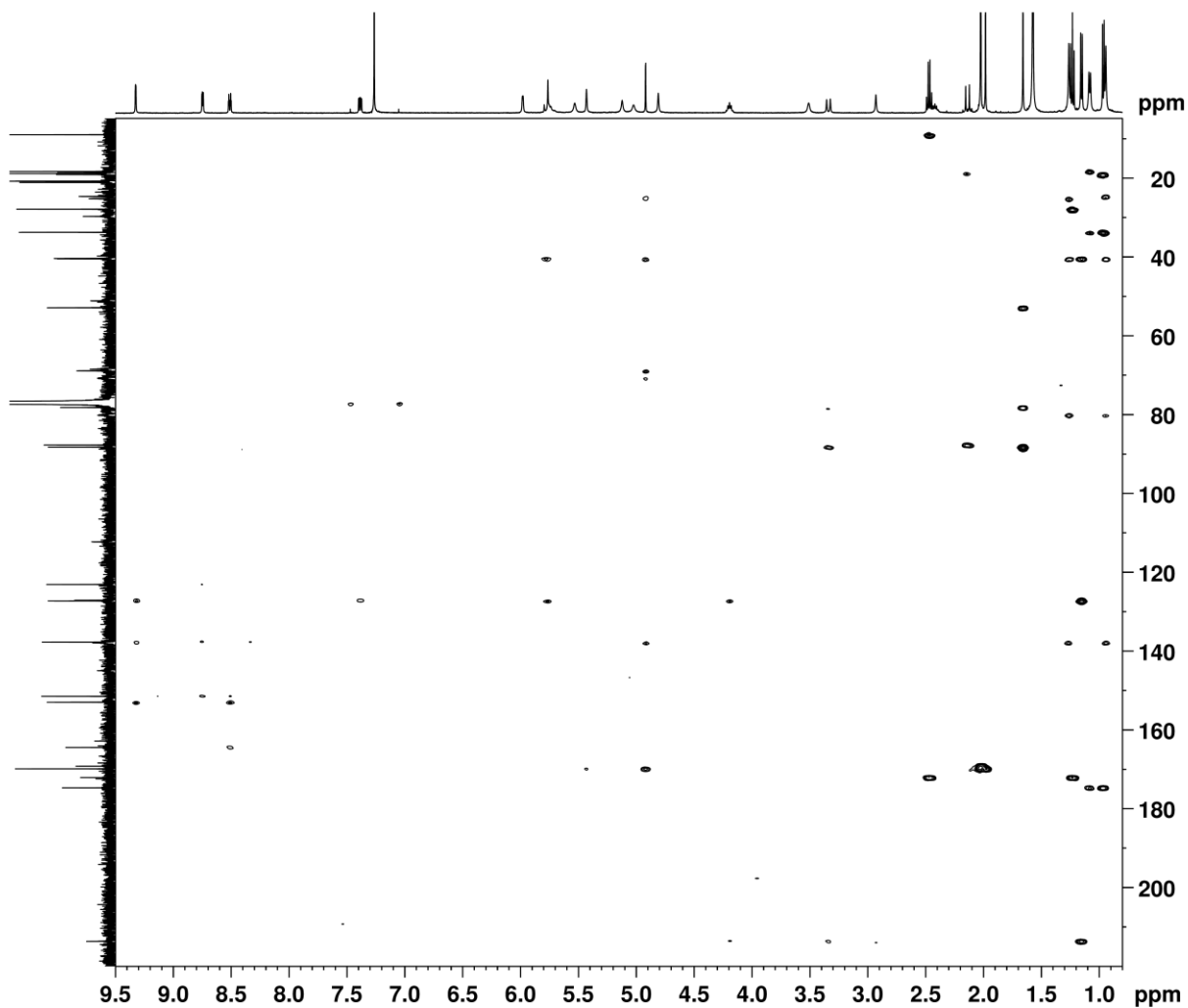
F1 - Acquisition parameters
TD            512
SFO1          125.8009 MHz
FIDRES        81.042534 Hz
SN            164.918 ppm
FRMODE        Echo-Antiecho

F2 - Processing parameters
SI            1024
SF            500.2600101 MHz
WDW           QSINE
SSB           2
LB            0 Hz
GB            0
PC            1.40

F1 - Processing parameters
SI            512
MC2           echo-antiecho
SF            125.7964814 MHz
WDW           QSINE
SSB           2
LB            0 Hz
GB            0

```

S25. HSQC spectrum of nicaenin D (4)



```

Current Data Parameters
NAME      eg-ii-27-14-2
EXPNO    3
PROCNO   1

F2 - Acquisition Parameters
Date_    20150622
Time     20.15
INSTRUM  spect
PROBHD   5 mm BBO BB-1H
PULPROG  hmbcgp1pndqf
TD       1024
SOLVENT  CDCl3
NS       32
DS       16
SWH      5498.534 Hz
FIDRES   5.369662 Hz
AQ       0.0931157 sec
RG       2050
DW       90.933 usec
DE       6.50 usec
TE       298.0 K
CNST2    145.0000000
CNST13   8.0000000
DD       0.00000300 sec
D1       1.50000000 sec
D2       0.00344828 sec
D6       0.06250000 sec
D16      0.00020000 sec
IN0      0.00001810 sec

===== CHANNEL f1 =====
SFO1     500.2622512 MHz
NUC1     1H
P1       9.35 usec
P2       18.70 usec
PLW1     27.37999916 W

===== CHANNEL f2 =====
SFO2     125.8036850 MHz
NUC2     13C
P3       11.50 usec
PLW2     32.22800064 W

===== GRADIENT CHANNEL =====
GPNAM[1] SINE.100
GPNAM[2] SINE.100
GPNAM[3] SINE.100
GPZ1     30.00 %
GPZ2     30.00 %
GPZ3     40.10 %
P16      1000.00 usec

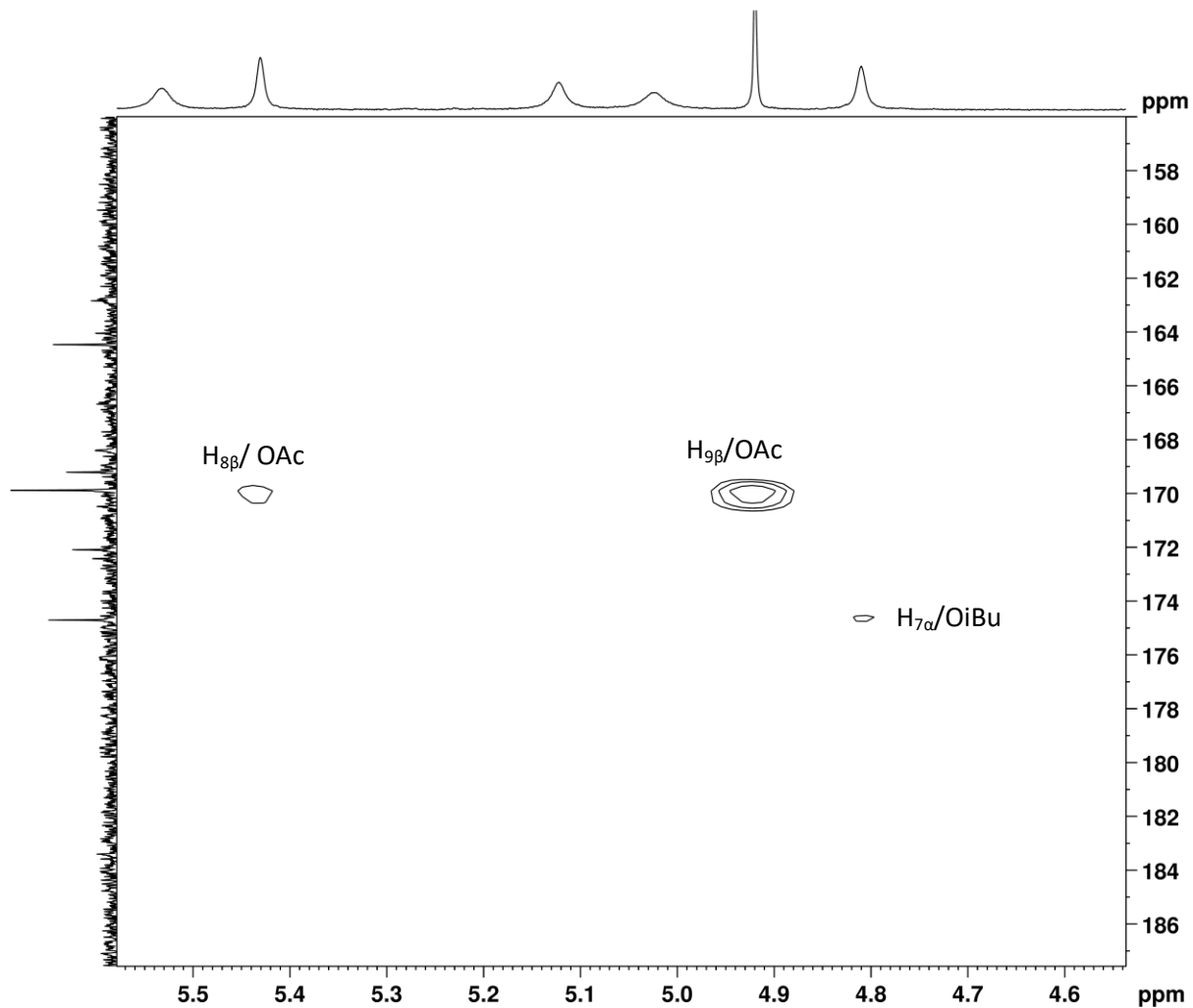
F1 - Acquisition parameters
TD       512
SFO1     125.8037 MHz
FIDRES   107.907455 Hz
SW       219.583 ppm
FqMODE   QF

F2 - Processing parameters
SI       1024
SF       500.2600091 MHz
WDW      0
SSB      0 QSINE
LB       0 Hz
GB       0
PC       1.40

F1 - Processing parameters
SI       512
MC2      QF
SF       125.7904505 MHz
WDW      0
SSB      0
LB       0 Hz
GB       0

```

S26. HMBC spectrum of nicaenin D (4)



```

Current Data Parameters
NAME      eg-11-27-14-2
EXPNO    3
PROCNO   1

F2 - Acquisition Parameters
Date_    20150622
Time     20:15
INSTRUM  spect
PROBHD   5 mm BBO BB-1H
PULPROG  hmbcpg1pndqf
TD       1024
SOLVENT  CDCl3
NS       32
DS       16
SWH      5498.534 Hz
FIDRES   5.369662 Hz
AQ       0.0931157 sec
RG       2050
DW       90.933 usec
DE       6.50 usec
TE       298.0 K
CNST2   145.0000000
CNST13  8.0000000
D0       0.0000000 sec
D1       1.5000000 sec
D2       0.00344828 sec
D5       0.06230000 sec
D16     0.00020000 sec
IN0      0.00001810 sec

----- CHANNEL f1 -----
SFO1    500.2622512 MHz
NUC1    1H
P1      9.35 usec
P2      18.70 usec
PLW1    27.37999916 W

----- CHANNEL f2 -----
SFO2    125.8036850 MHz
NUC2    13C
P3      11.50 usec
PLW2    32.22800064 W

----- GRADIENT CHANNEL -----
GPNAM[1] SINE.100
GPNAM[2] SINE.100
GPNAM[3] SINE.100
GP21    30.00 %
GP22    30.00 %
GP23    40.10 %
F16     1000.00 usec

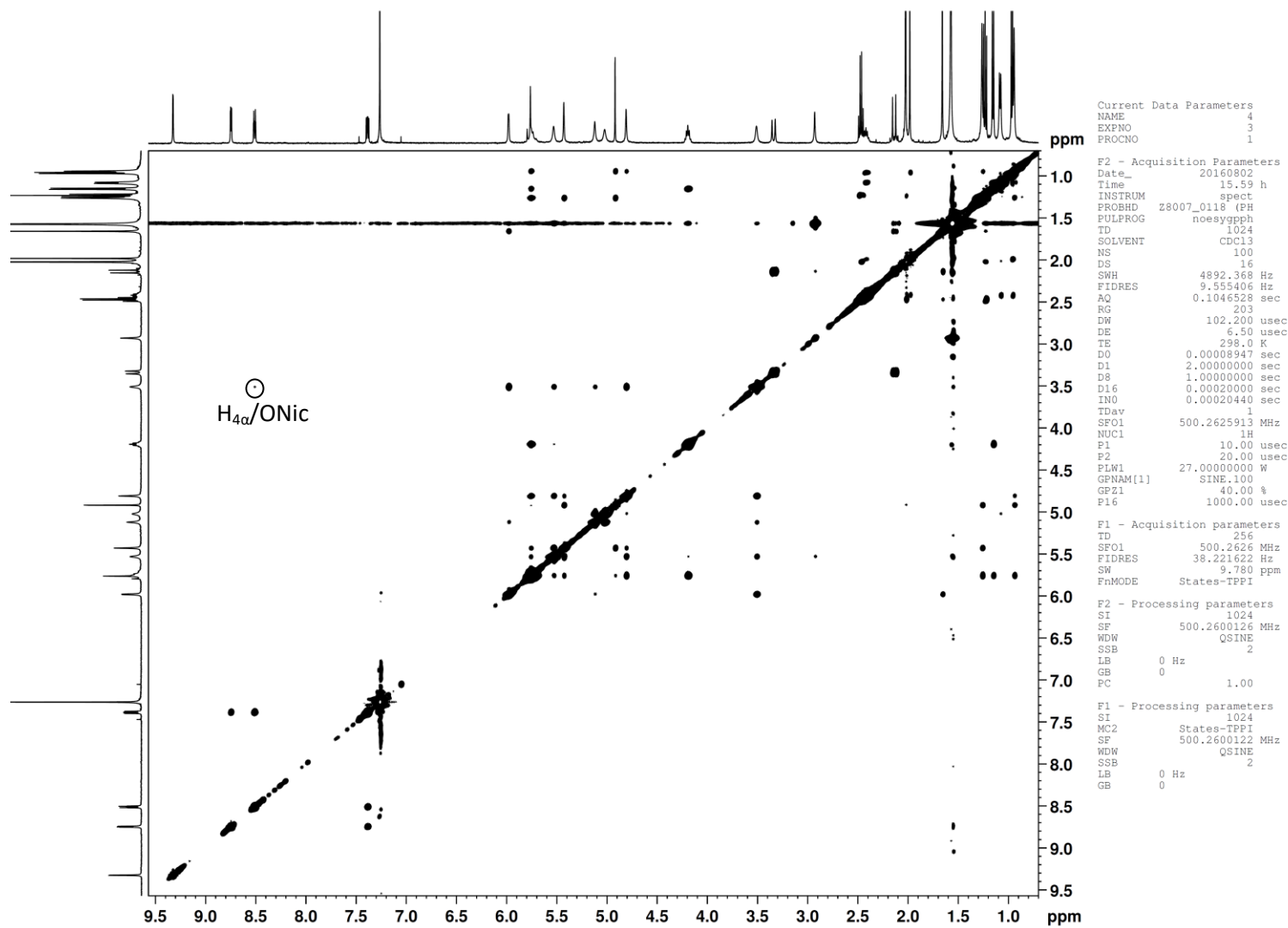
F1 - Acquisition parameters
TD      512
SFO1    125.8037 MHz
FIDRES  107.907455 Hz
SW      219.583 ppm
FAMODE  QF

F2 - Processing parameters
SI      1024
SF      500.2600091 MHz
WDW     QSINE
SSB     0
LB      0 Hz
GB      0
PC      1.40

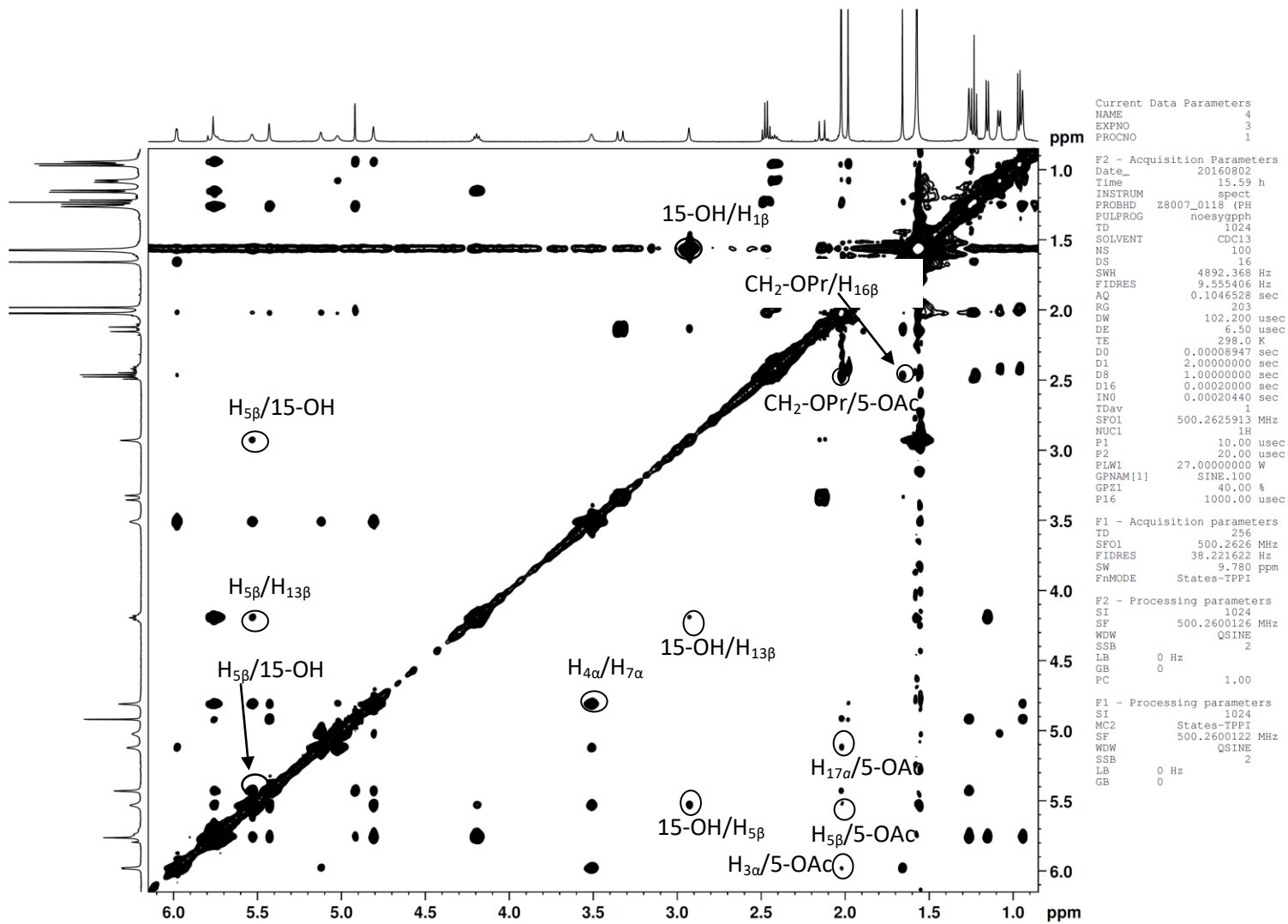
F1 - Processing parameters
SI      512
MC2     QF
SF      125.7904505 MHz
WDW     SINE
SSB     0
LB      0 Hz
GB      0

```

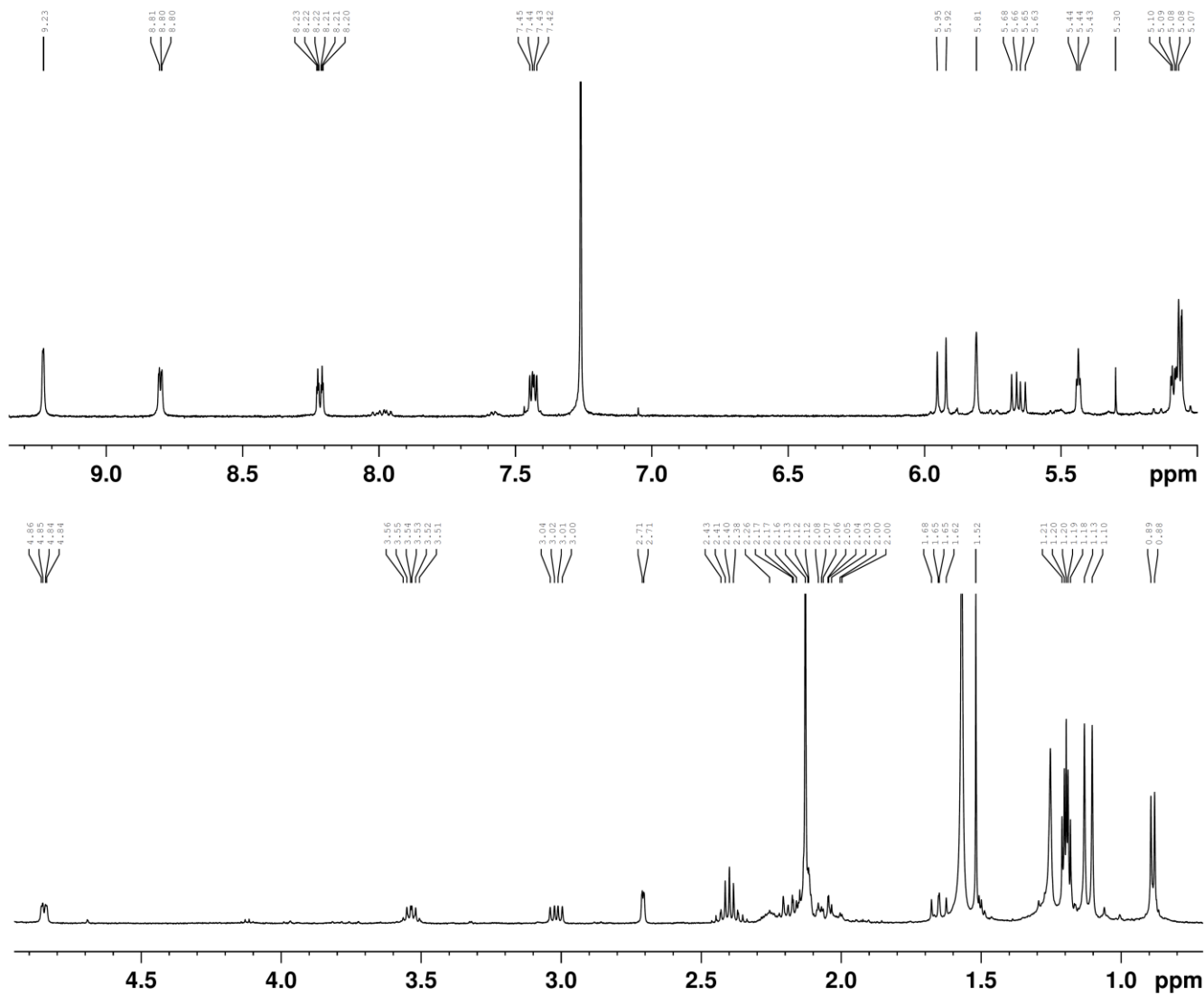
S27. HMBC spectrum of nicaenin D (4) (expanded)



S28. NOESY spectrum of nicaeenin D (4)



S29. NOESY spectrum of nicaeenin D (4) (expanded)



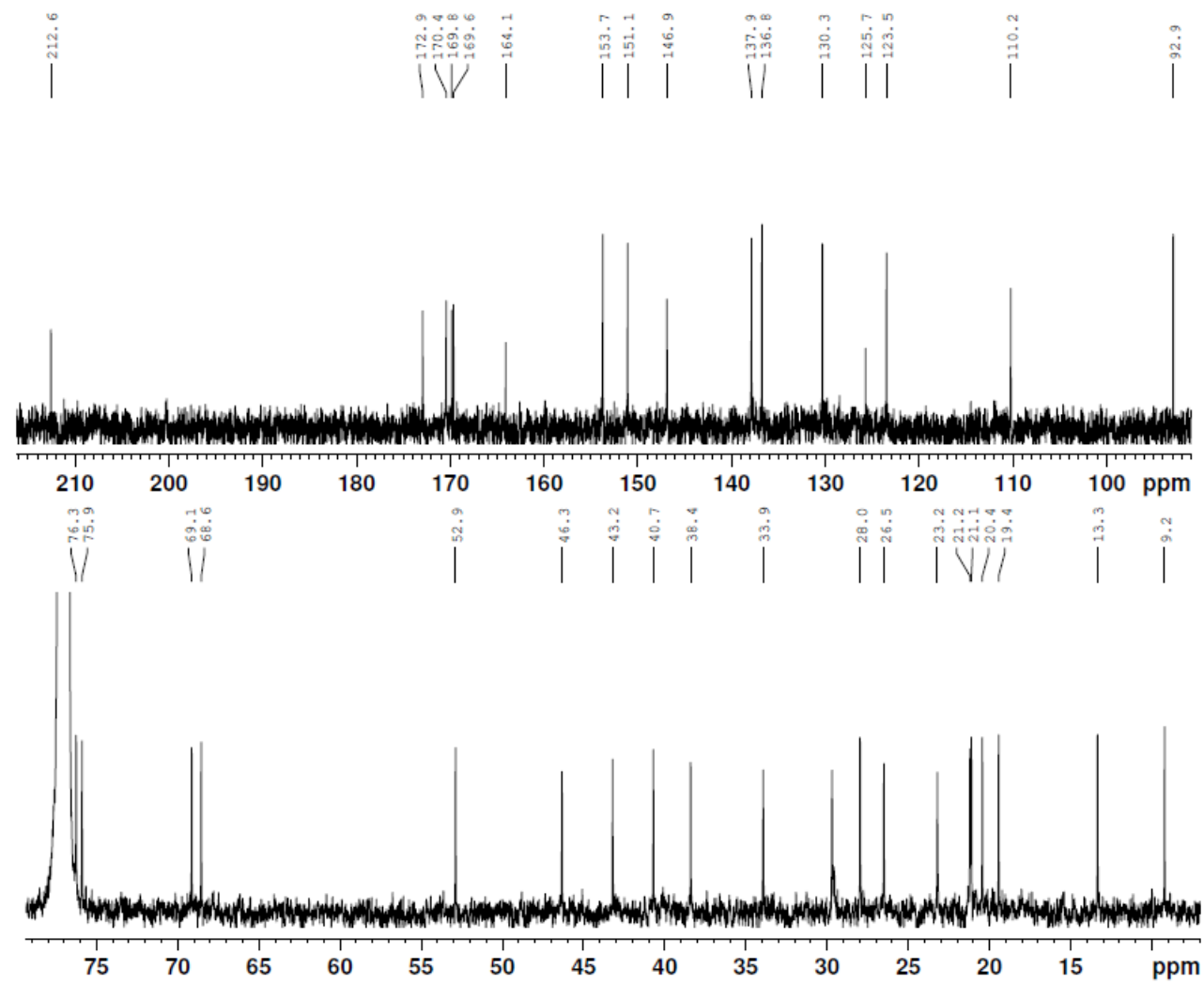
Current Data Parameters
NAME eg-11-27-5-3
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150617
Time 11.39
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 22
DS 0
SWH 7507.507 Hz
FIDRES 0.229111 Hz
AQ 2.1823487 sec
RG 406
DW 66.600 usec
DE 6.50 usec
TE 298.0 K
D1 1.5000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 500.2635018 MHz
NUC1 1H
P1 9.95 usec
PLW1 27.37999916 W

F2 - Processing parameters
SI 32768
SF 500.2600115 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

S30. ¹H NMR spectrum of nicaenin E (6)



```

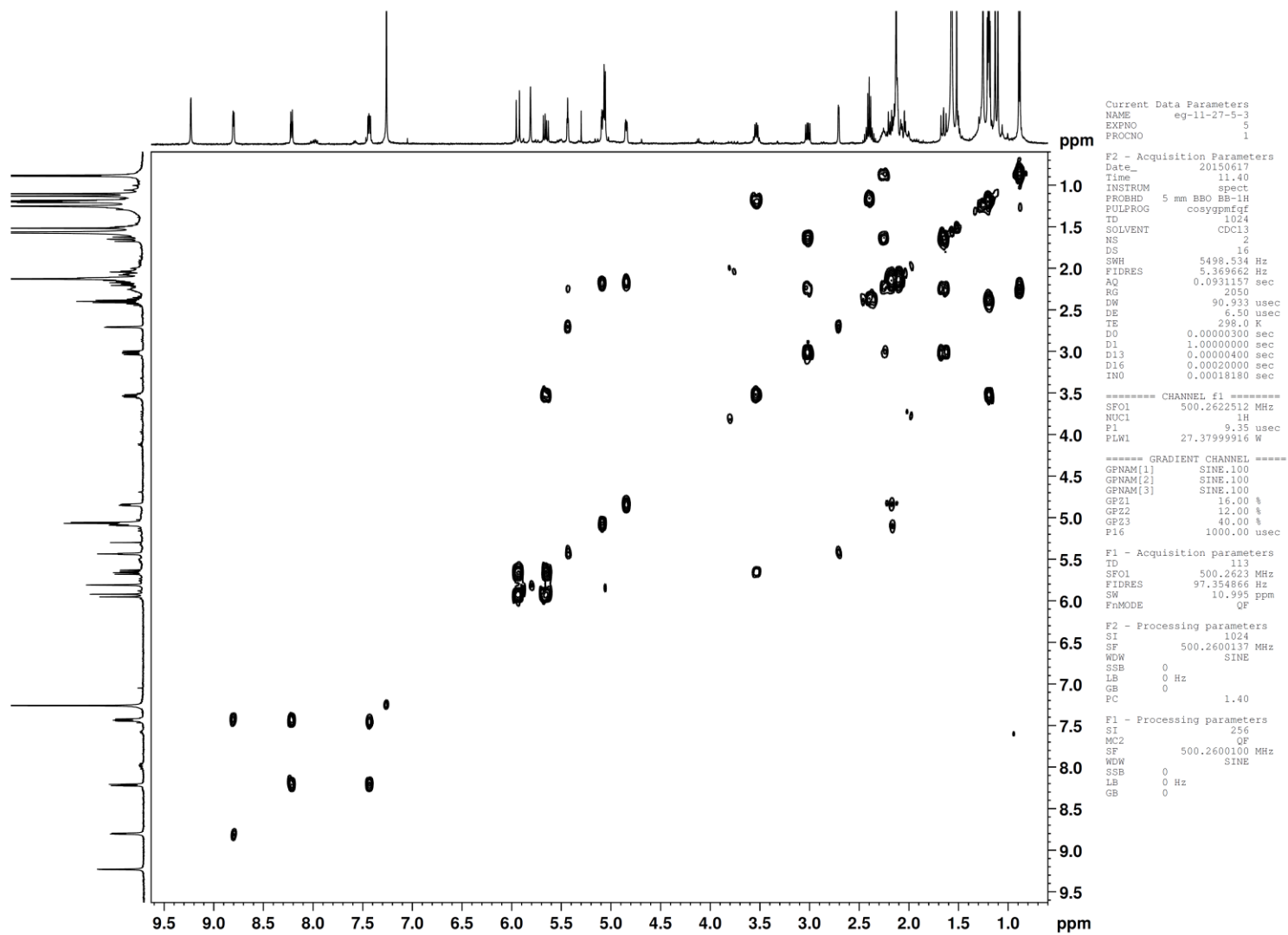
Current Data Parameters
NAME      eg-11-27-5-3
EXPNO    2
PROCNO   1

F2 - Acquisition Parameters
Date_    20160323
Time     9.23 h
INSTRUM  spect
PROBHD   z8007_0118 (PH)
PULPROG  zgpg30
ID       32768
SOLVENT  CDCl3
NS       24424
DS       4
SWH      29761.904 Hz
FIDRES   1.816522 Hz
AQ       0.5505024 sec
RG       1030
DW       16.800 usec
DE       6.50 usec
TE       298.0 K
D1       2.0000000 sec
D11      0.0300000 sec
ID0      1
SFO1     125.8043140 MHz
NUC1     13C
P1       11.50 usec
PLW1     32.22000122 W
SFO2     500.2625013 MHz
NUC2     1H
CPDPRG[2] waltz16
PCPD2    80.00 usec
PLW2     27.39999962 W
PLW12    0.37428001 W
PLW13    0.18826000 W

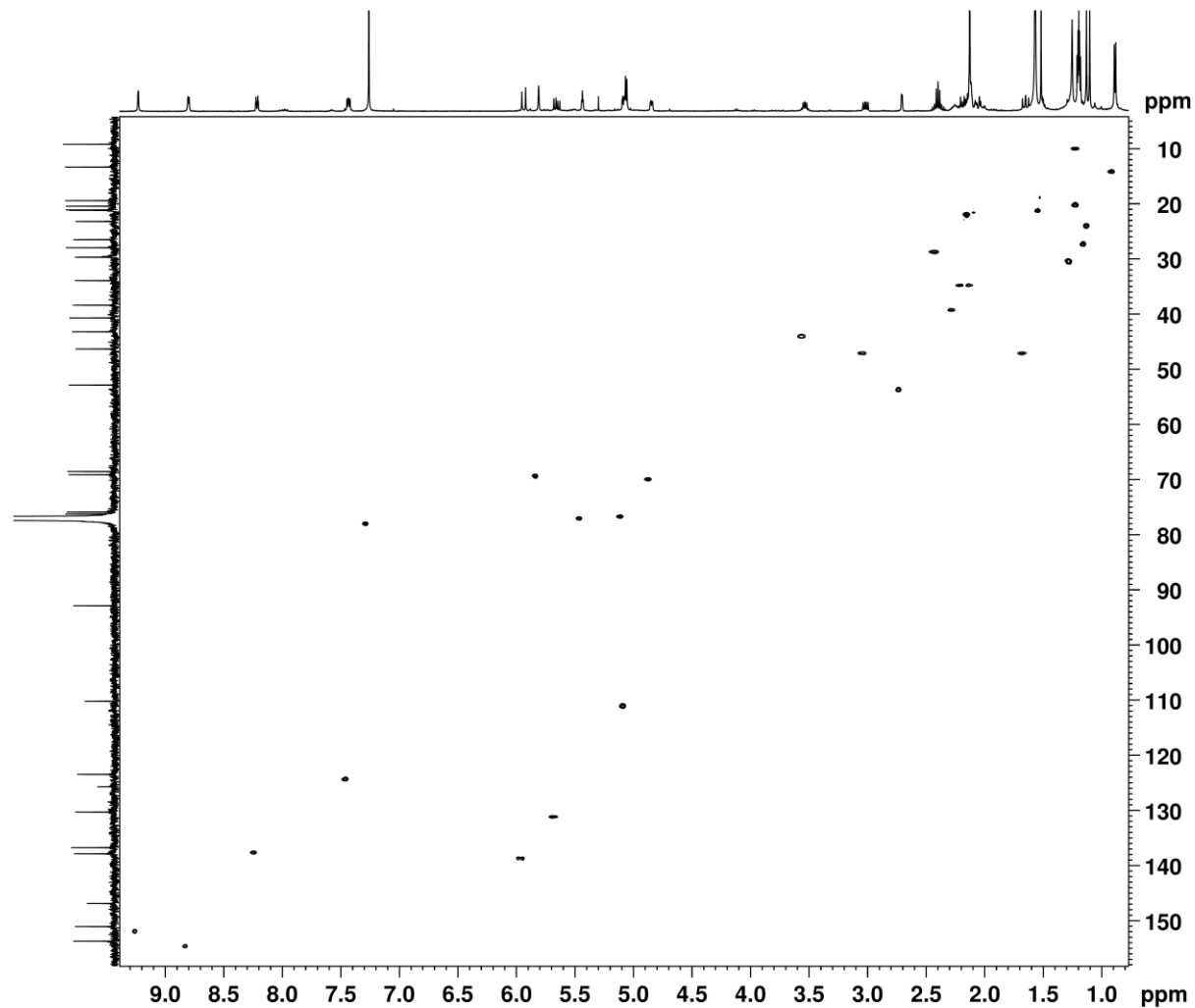
F2 - Processing parameters
SI       32768
SF       125.7904791 MHz
WDW      EM
SSB      0
LB       2.00 Hz
GB       0
PC       1.40

```

S31. ¹³C NMR spectrum of nicaenin E (6)



S32. COSY spectrum of nicaenin E (6)



```

Current Data Parameters
NAME          eg-11-27-5-3
EXPNO         6
PROCNO        1

F2 - Acquisition Parameters
Date_         20150622
Time          14.37
INSTRUM       spect
PROBHD        5 mm BBO BB-1H
PULPROG       hsqcetpp12
TD            1024
SOLVENT       CDCl3
NS            16
DS            16
SWH           5496.534 Hz
FIDRES        5.369662 Hz
AQ            0.0931157 sec
RG            2050
DW            90.933 usec
DE            6.50 usec
TE            298.0 K
CNET2         145.000000
DO            0.0000300 sec
D1            2.0000000 sec
D4            0.00172414 sec
D11           0.0300000 sec
D15           0.0002000 sec
D24           0.00086207 sec
IN0           0.00002410 sec
EGOPTNS

===== CHANNEL f1 =====
SF01          500.2622512 MHz
NUC1           1H
P1             9.35 usec
P2             18.70 usec
P2B            1000.00 usec
PLW1           27.37999916 W

===== CHANNEL f2 =====
SF02          125.8009176 MHz
NUC2           13C
CDEPRG[2]     gpcp
P3             11.50 usec
P4             23.00 usec
PCPD2         70.00 usec
PLW2           32.22800064 W
PLW12          0.86984003 W

===== GRADIENT CHANNEL =====
GPNAM[1]       SINE.100
GPNAM[2]       SINE.100
GPNAM[3]       SINE.100
GPNAM[4]       SINE.100
GPE1           80.00 %
GPE2           20.10 %
GPE3           11.00 %
GPE4           -5.00 %
P15            1000.00 usec
P19            600.00 usec

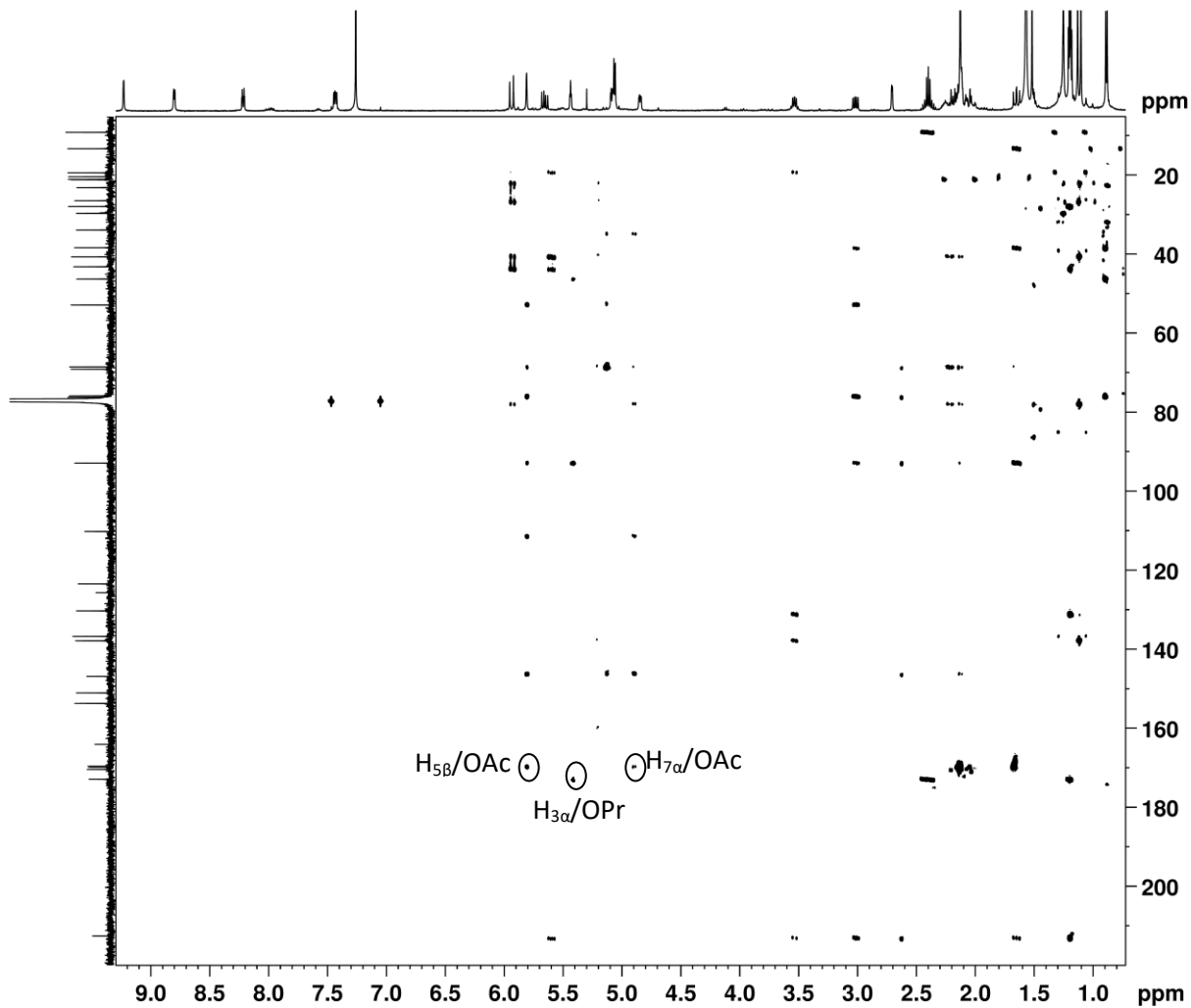
F1 - Acquisition parameters
TD            512
SF01          125.8009 MHz
FIDRES        81.042534 Hz
SW            164.918 ppm
F1MODE        Echo-Antiecho

F2 - Processing parameters
SI            1024
SF            500.2599950 MHz
WDW           QSINE
SSB           2
LB            0 Hz
GB            0
PC            1.40

F1 - Processing parameters
SI            512
MC2           echo-antiecho
SF            125.7903822 MHz
WDW           QSINE
SSB           2
LB            0 Hz
GB            0

```

S33. HSQC spectrum of nicaeenin E (6)



```

Current Data Parameters
NAME          GK-5
EXPNO         4
PROCNO        1

F2 - Acquisition Parameters
Date_         20161106
Time          20.57 h
INSTRUM       spect
PROBHD        zll7895_0010 (
PULPROG       hmbcgp1pndgdf
TD            4096
SOLVENT       CDCl3
NS            40
DS            16
SWH           7002.801 Hz
FIDRES        3.419337 Hz
AQ            0.2924544 sec
RG            139.11
DW            71.400 usec
DE            25.00 usec
TE            298.2 K
CNST2         145.0000000
CNST3         10.0000000
D0            0.0000300 sec
D1            1.5000000 sec
D2            0.00344828 sec
D6            0.05000000 sec
D16           0.00020000 sec
INO           0.0001660 sec
TDav          1
SF01          500.1319956 MHz
NUC1          1H
F1            10.50 usec
P2            21.00 usec
PLM1          11.10400009 W
SF02          125.7716219 MHz
NUC2          13C
P3            10.00 usec
PLM2          49.31399918 W
GPNAM[1]      SMSQ10.100
GPF1          50.00 %
GPNAM[2]      SMSQ10.100
GPF2          30.00 %
GPNAM[3]      SMSQ10.100
GPF3          40.10 %
P16           1000.00 usec

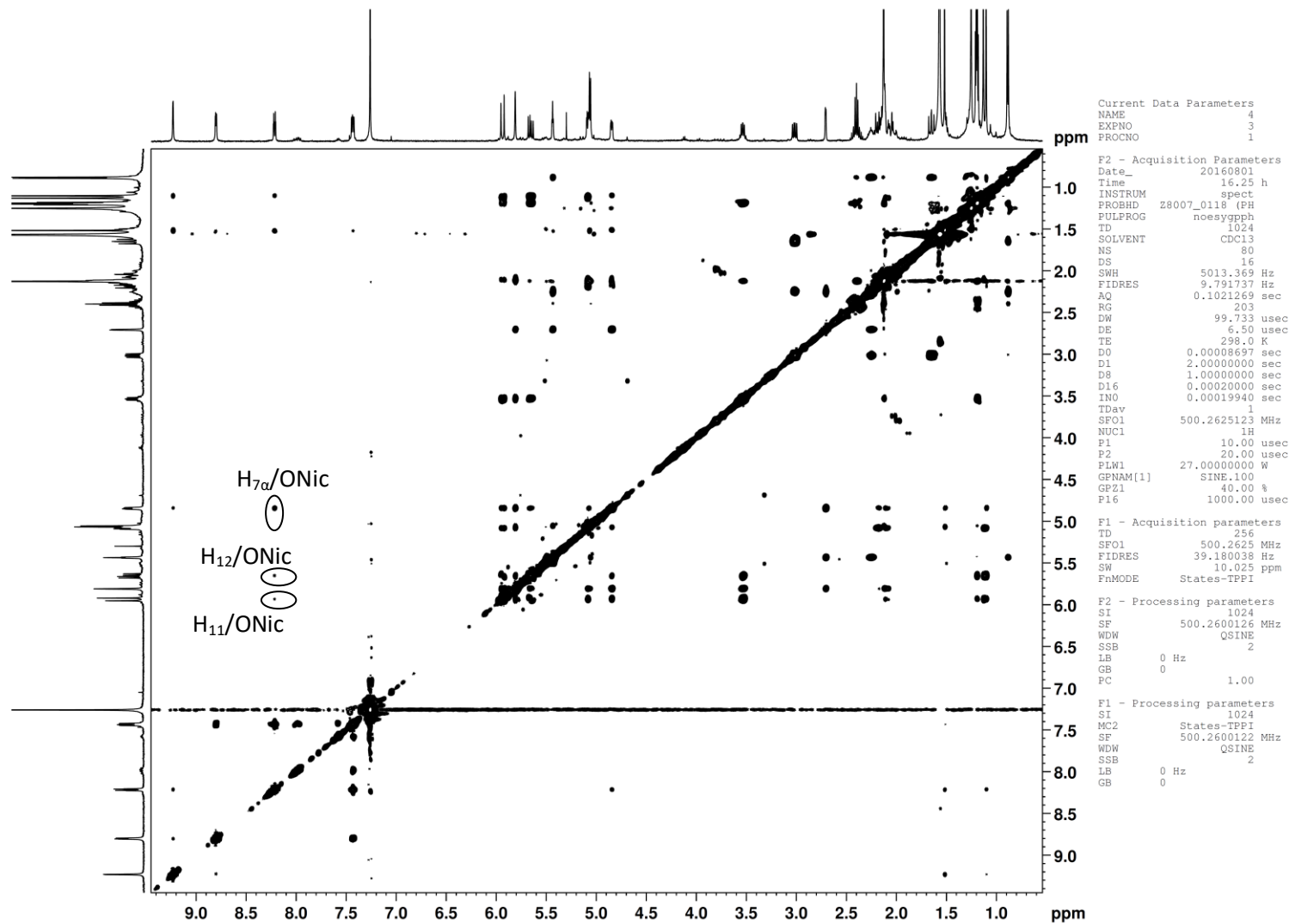
F1 - Acquisition parameters
TD            400
SF01          125.7716 MHz
FIDRES        150.602417 Hz
SW            239.486 ppm
FhMODE        QF

F2 - Processing parameters
SI            8192
SF            500.1300114 MHz
WDW           SINE
SSB           0
LB            0 Hz
GB            0
PC            1.40

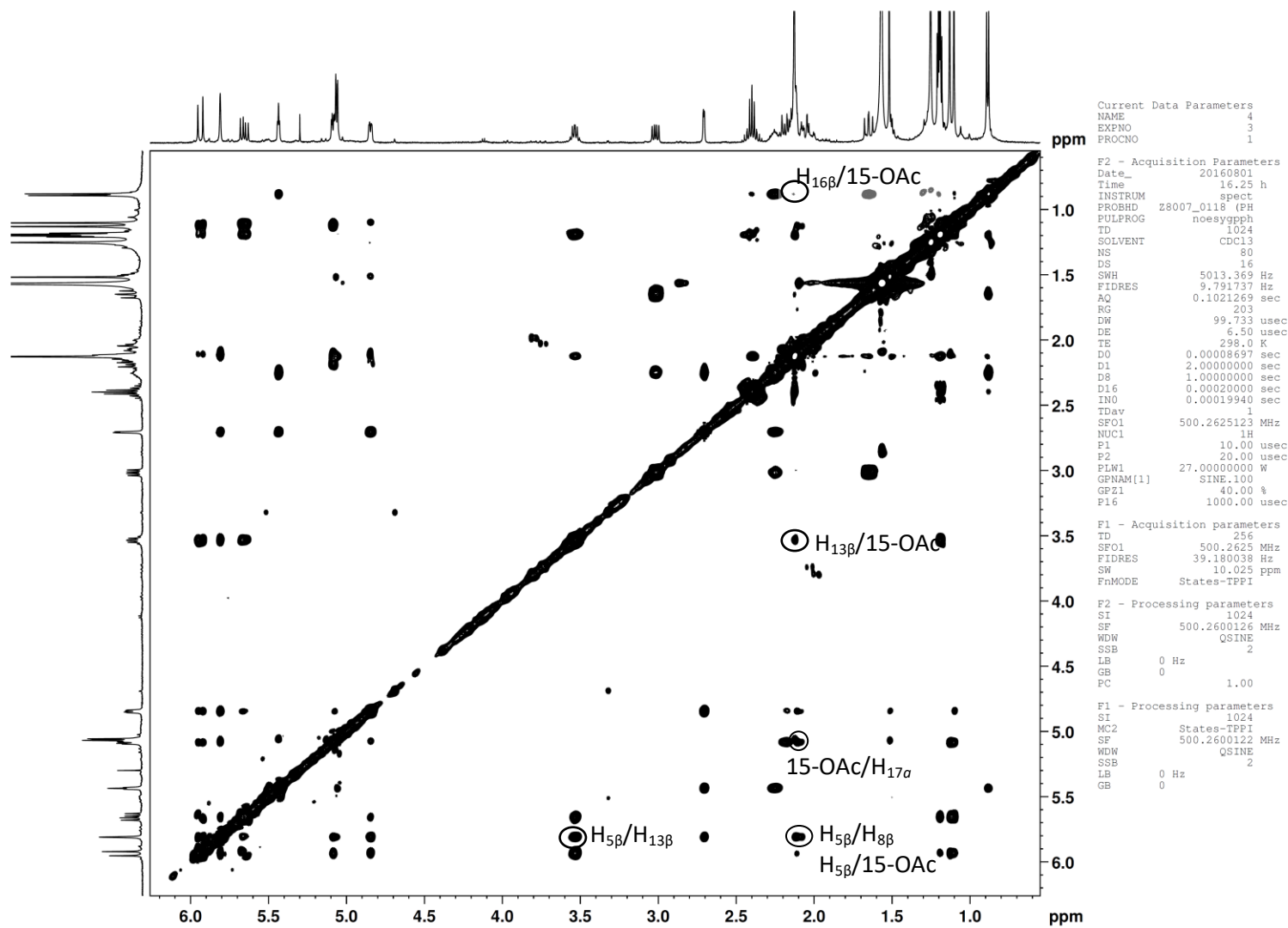
F1 - Processing parameters
SI            1024
MC2           QF
SF            125.7577865 MHz
WDW           SINE
SSB           0
LB            0 Hz
GB            0

```

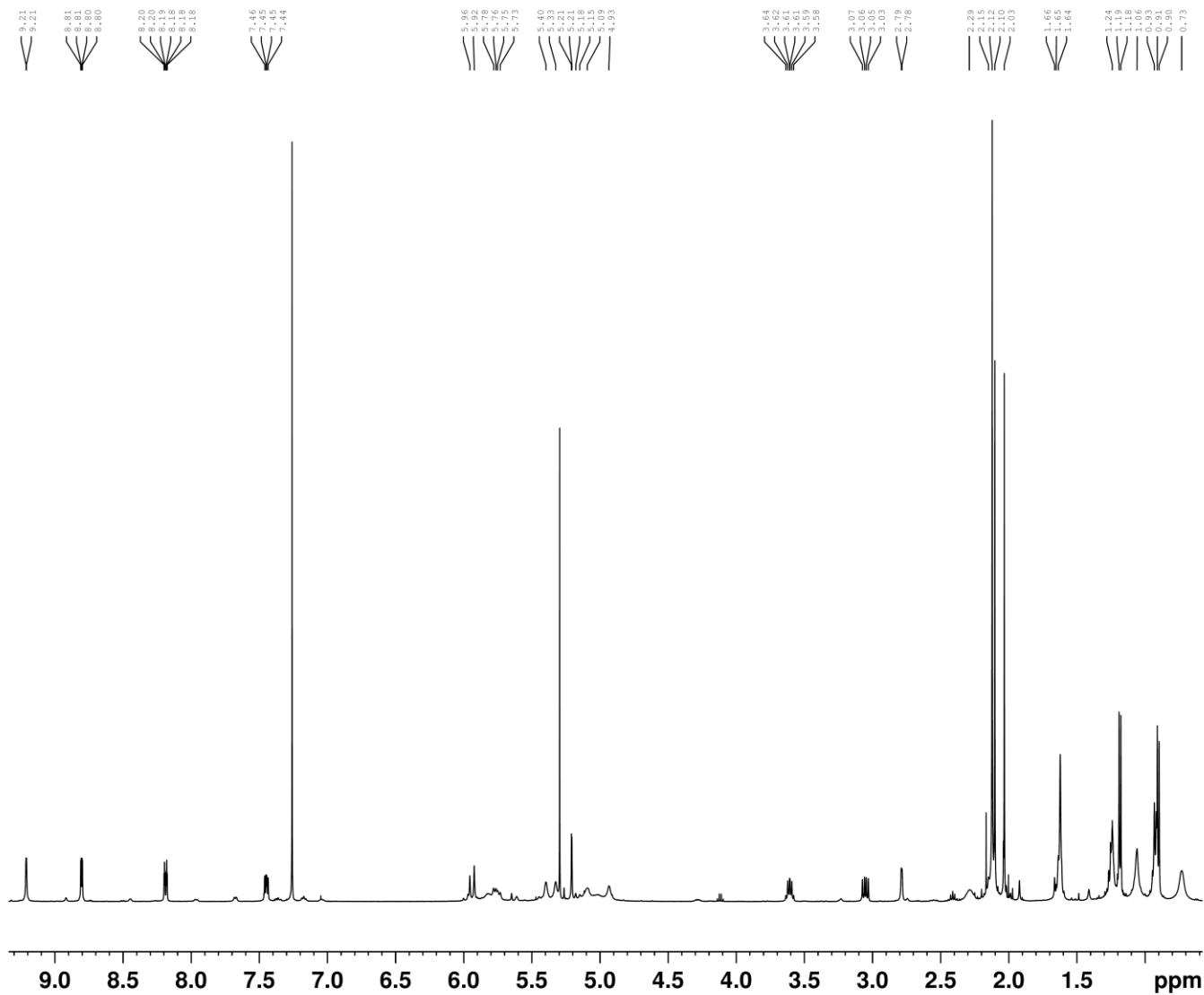
S34. HMBC spectrum of nicaeenin E (6)



S35. NOESY spectrum of nicaeenin E (6)



S36. NOESY spectrum of nicaeenin E (6) (expanded)



```

Current Data Parameters
NAME      EG-11-27-9-3
EXPNO    1
PROCNO   1

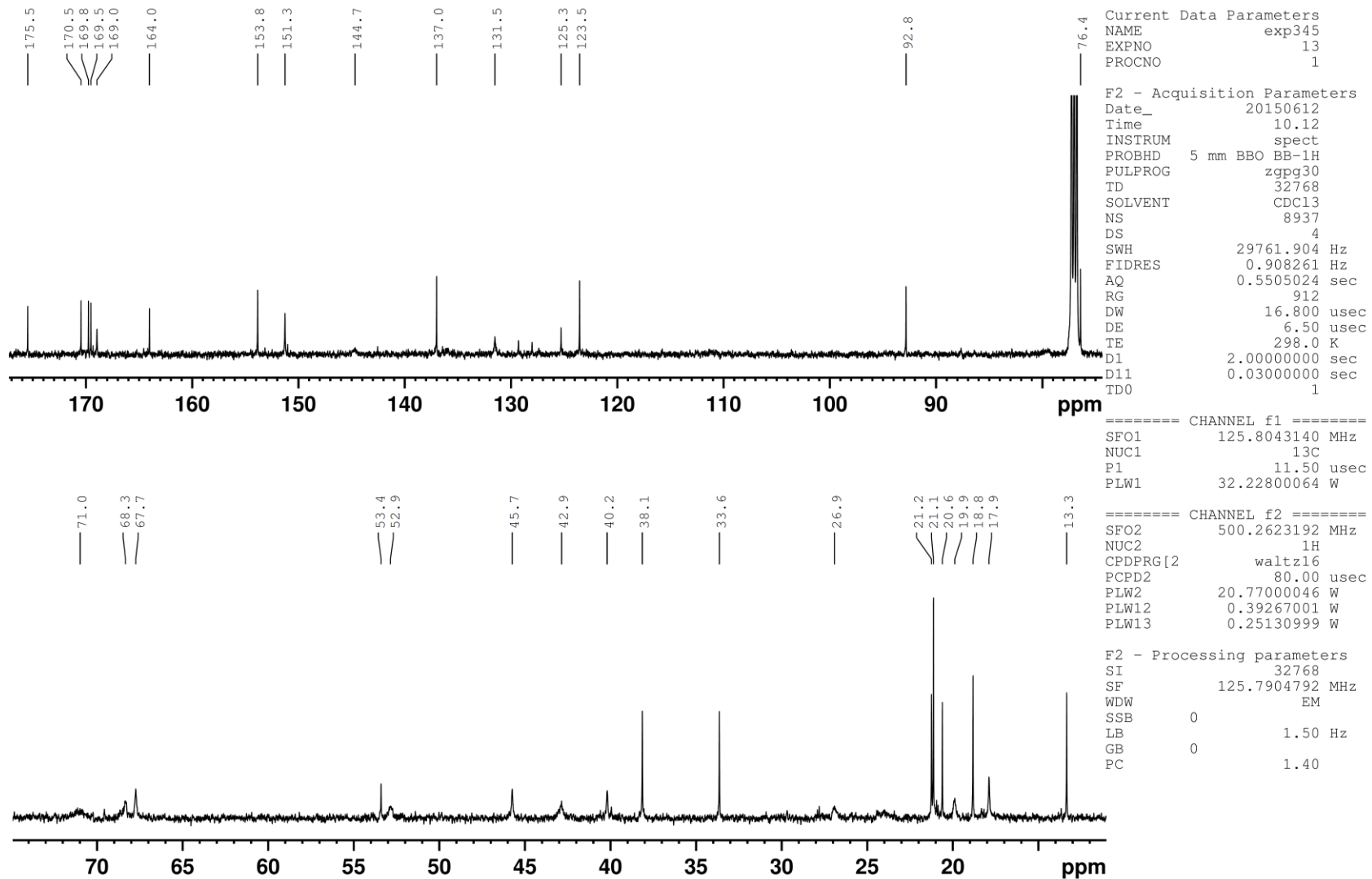
F2 - Acquisition Parameters
Date_    20150604
Time     15.20
INSTRUM  spect
PROBHD   5 mm BBO BB-1H
PULPROG  zg30
TD       32768
SOLVENT  CDCl3
NS       32
DS       0
SWH      5376.344 Hz
FIDRES   0.164073 Hz
AQ       3.0474241 sec
RG       287
DW       93.000 usec
DE       6.50 usec
TE       298.0 K
D1       2.00000000 sec
TD0      1

===== CHANNEL f1 =====
SF01    500.2624523 MHz
NUC1     1H
P1       9.35 usec
PLW1    27.37999916 W

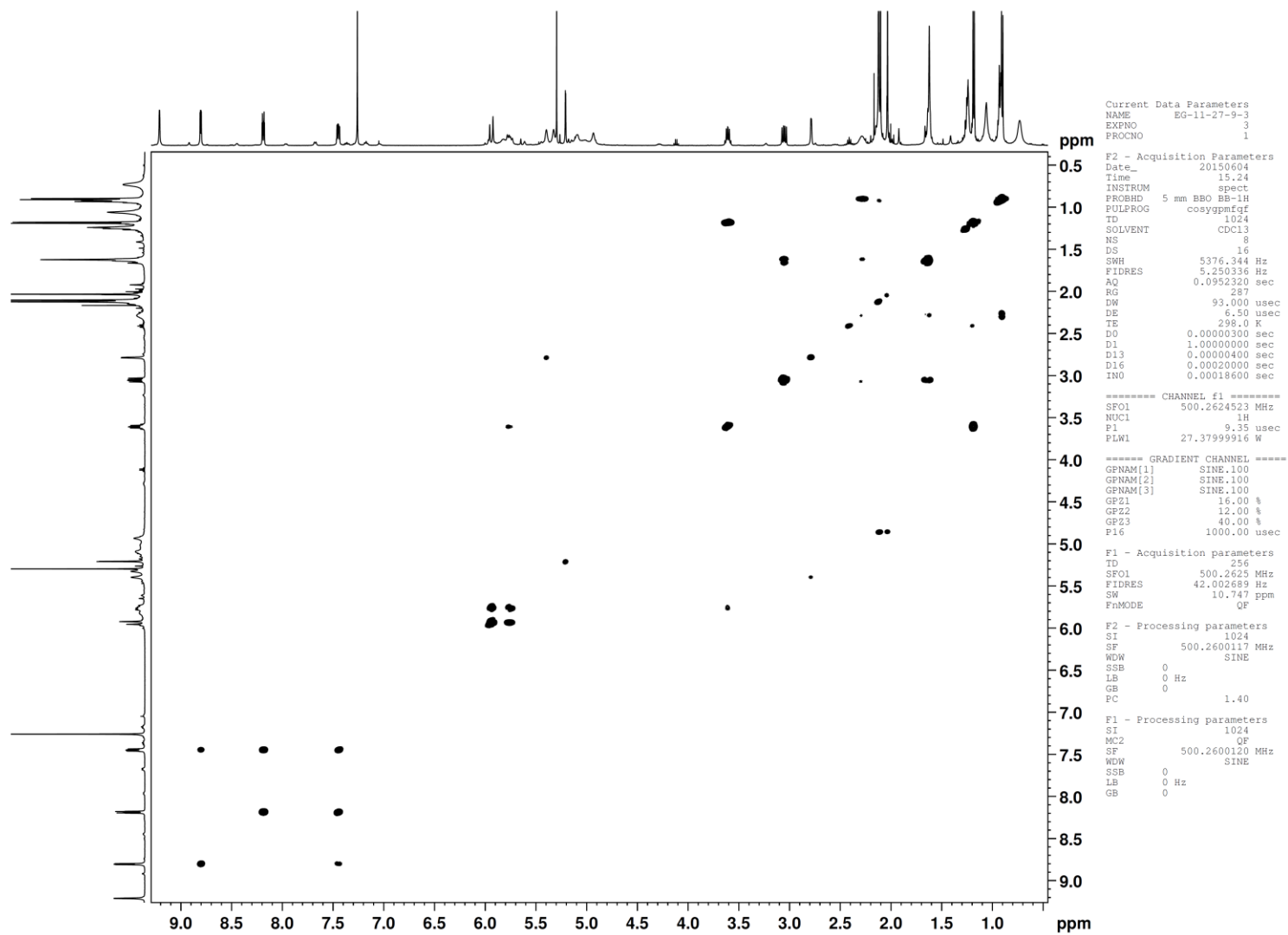
F2 - Processing parameters
SI       32768
SF       500.2600121 MHz
WDW      EM
SSB      0
LB       0.20 Hz
GB       0
PC       1.00

```

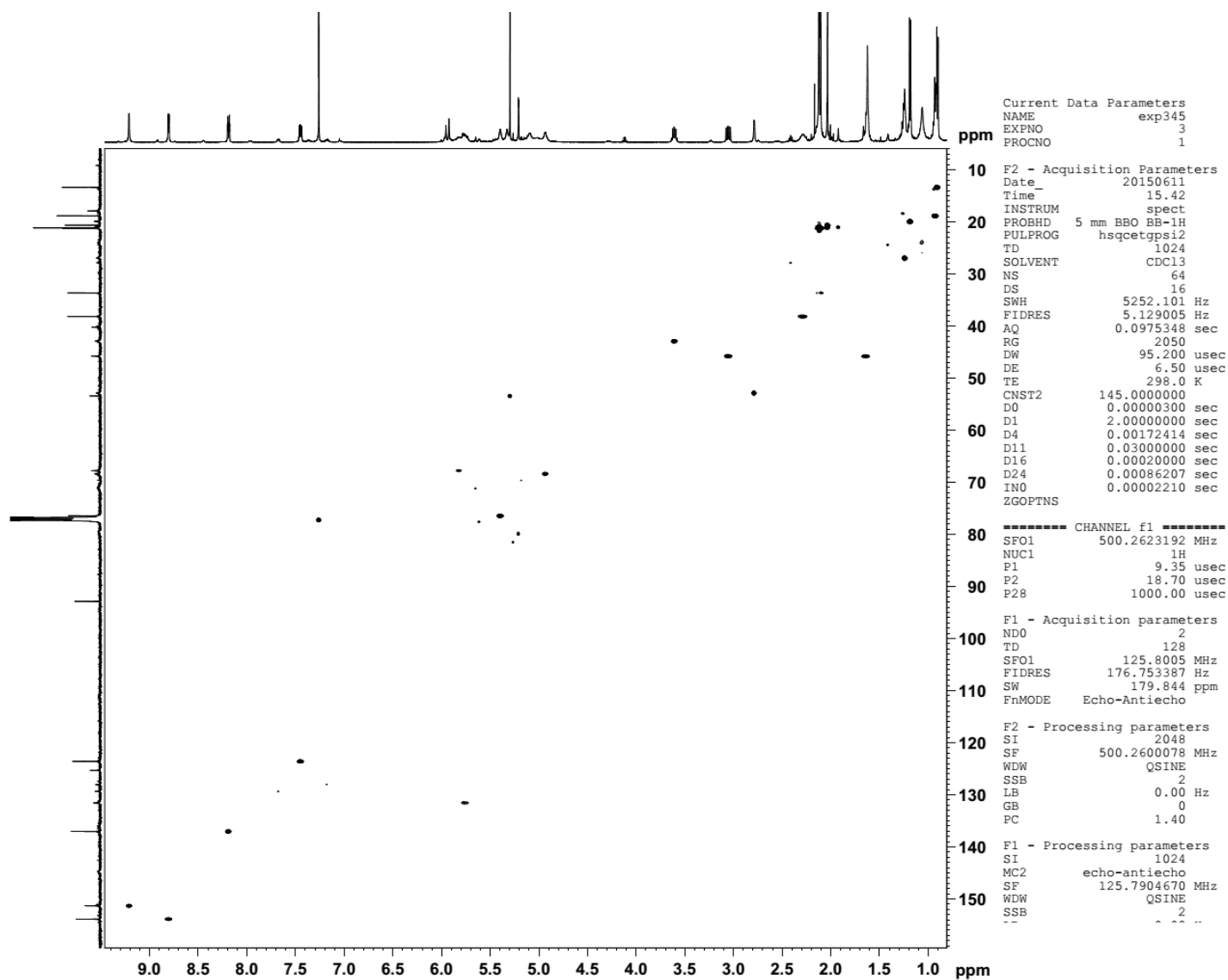
S37. ¹H NMR spectrum of nicaenin F (7)



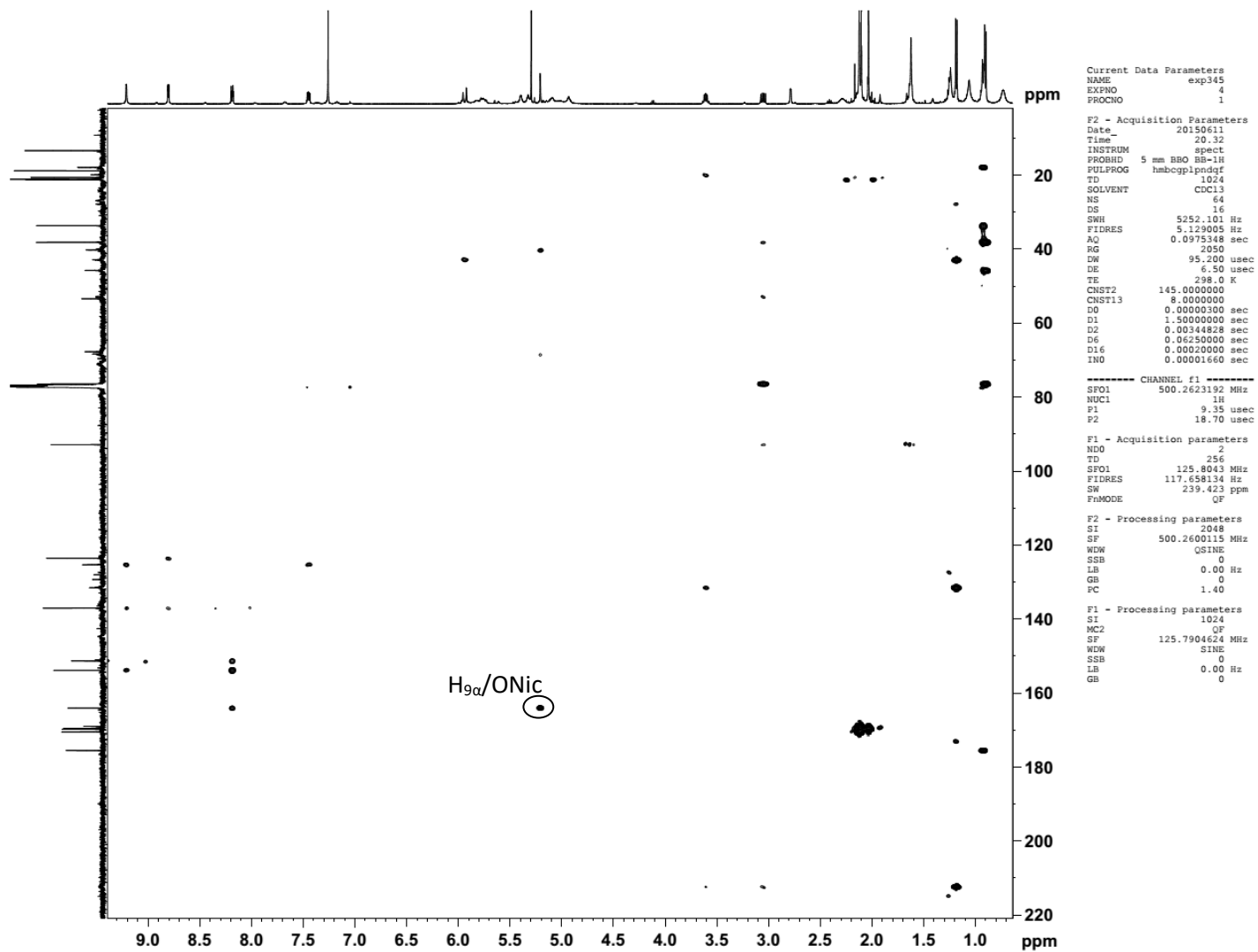
S38. ¹³C NMR spectrum of nicaenin F (7)



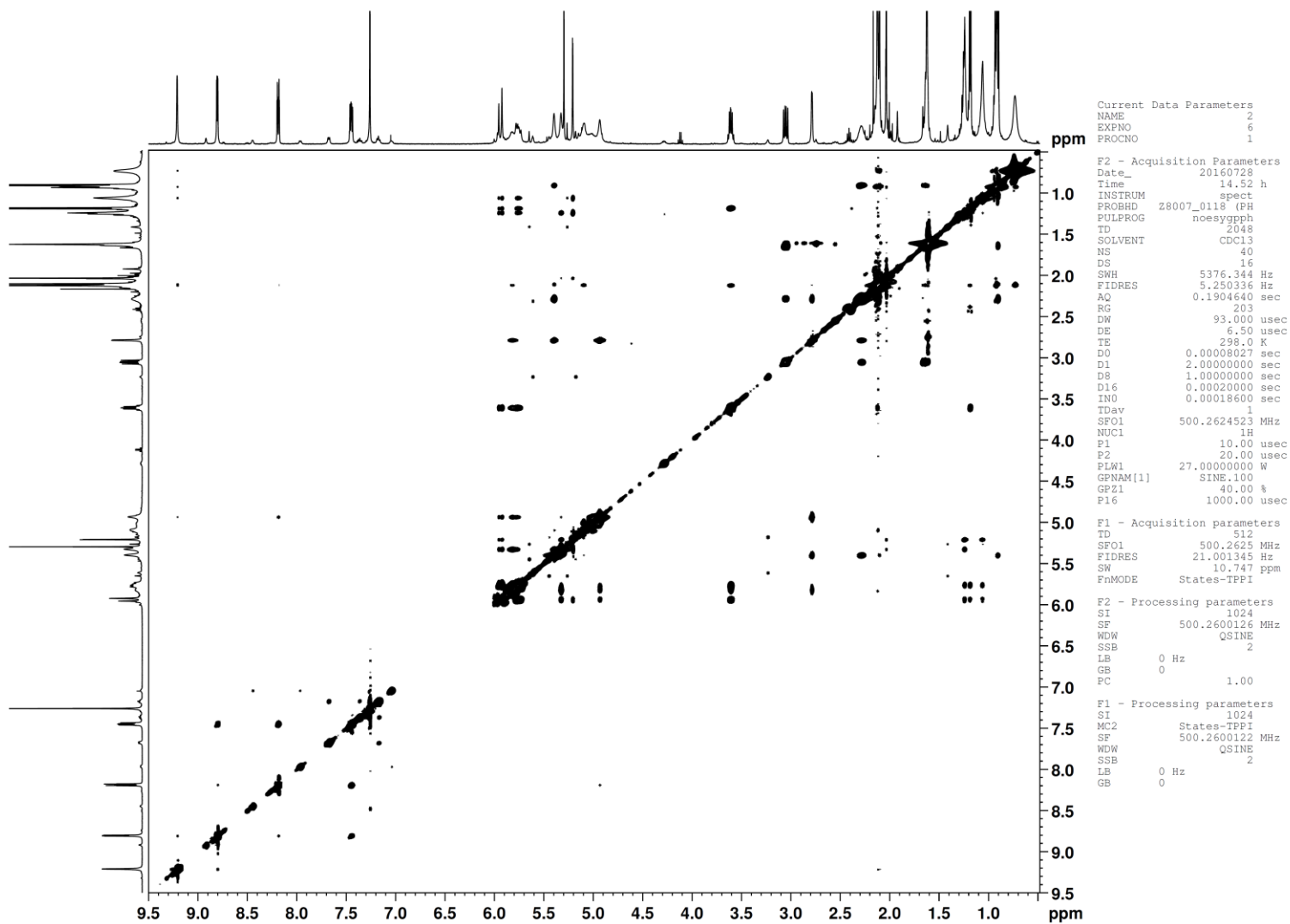
S39. COSY spectrum of nicaenin F (7)



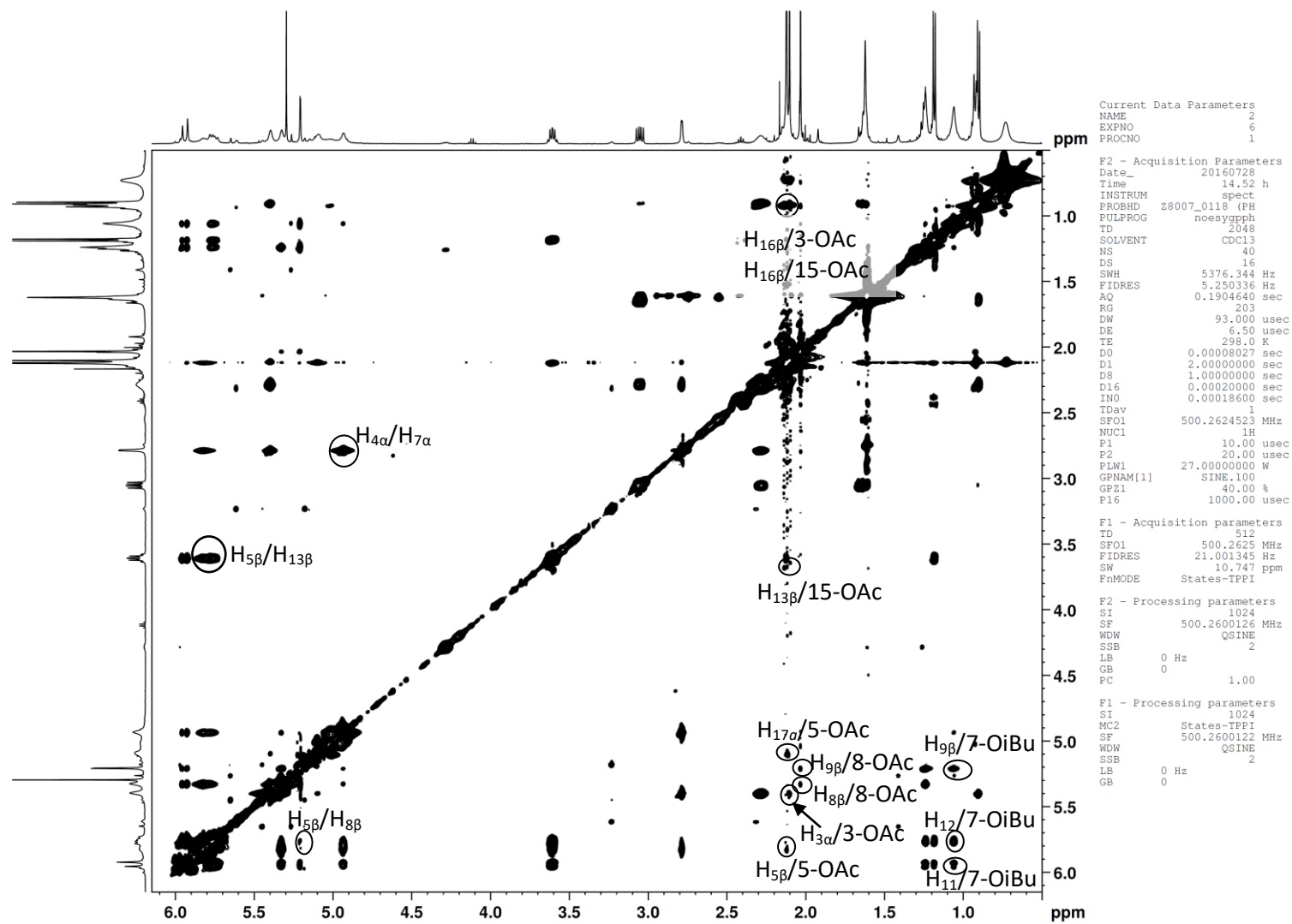
S40. HSQC spectrum of nicaeenin F (7)



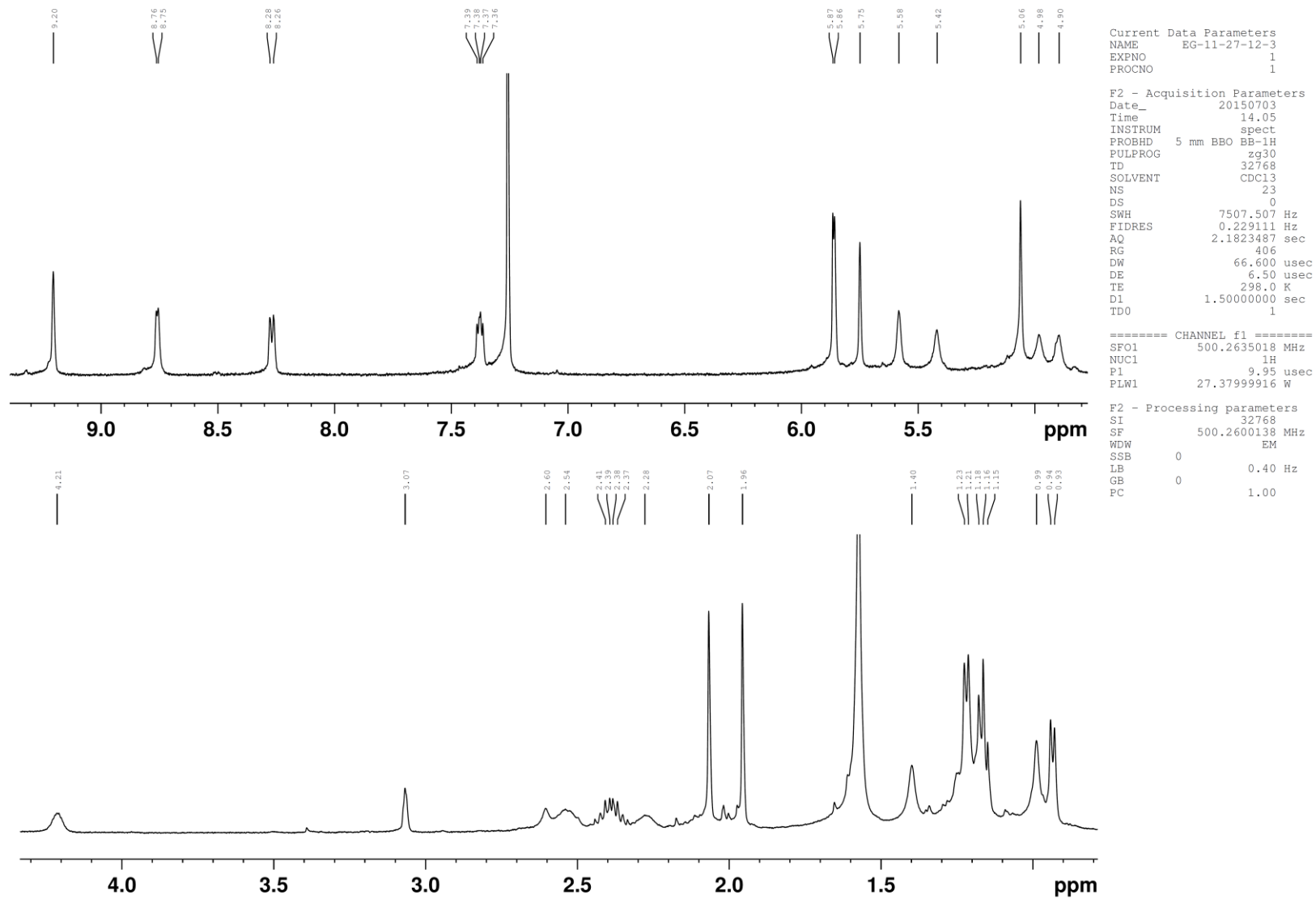
S41. HMBC spectrum of nicaeenin F (7)



S42. NOESY spectrum of nicaeenin F (7)

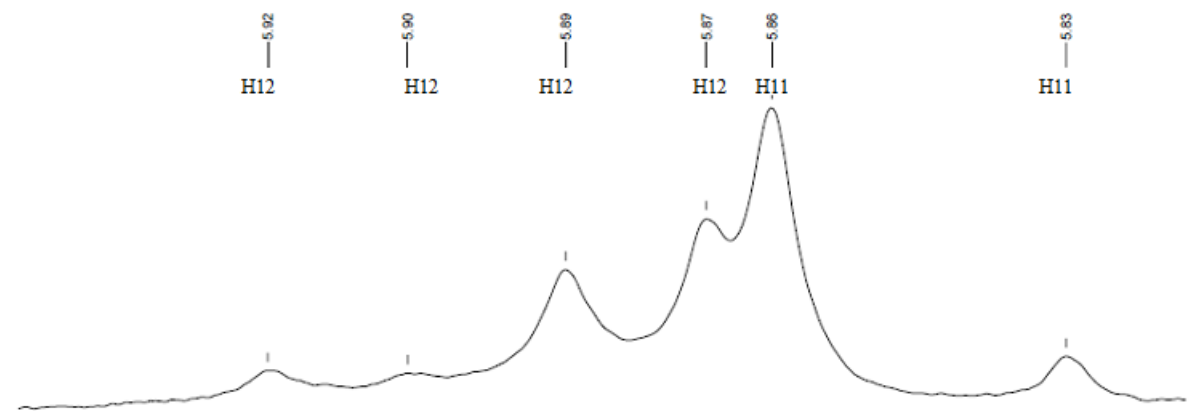


S43. NOESY spectrum of nicaeenin F (7) (expanded)

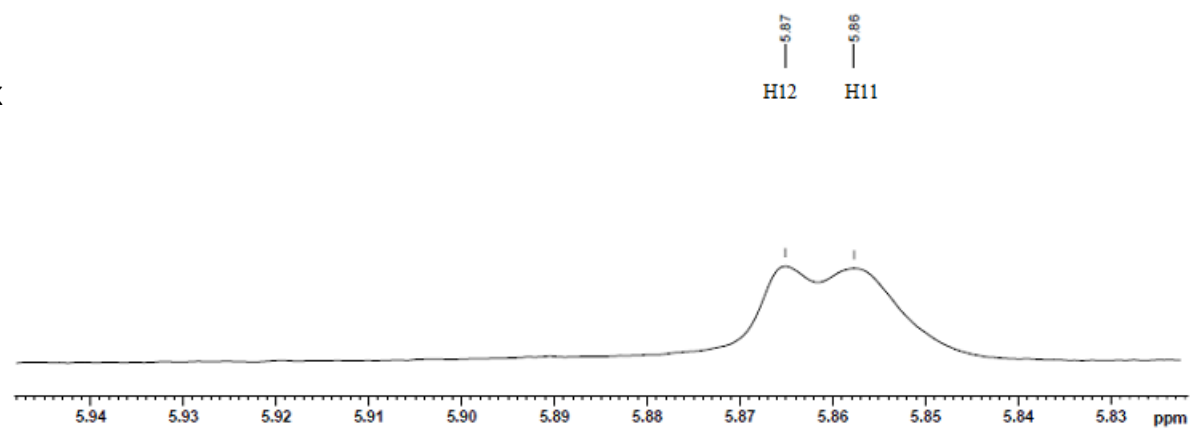


S44. ¹H NMR spectrum of nicaeenin G (8)

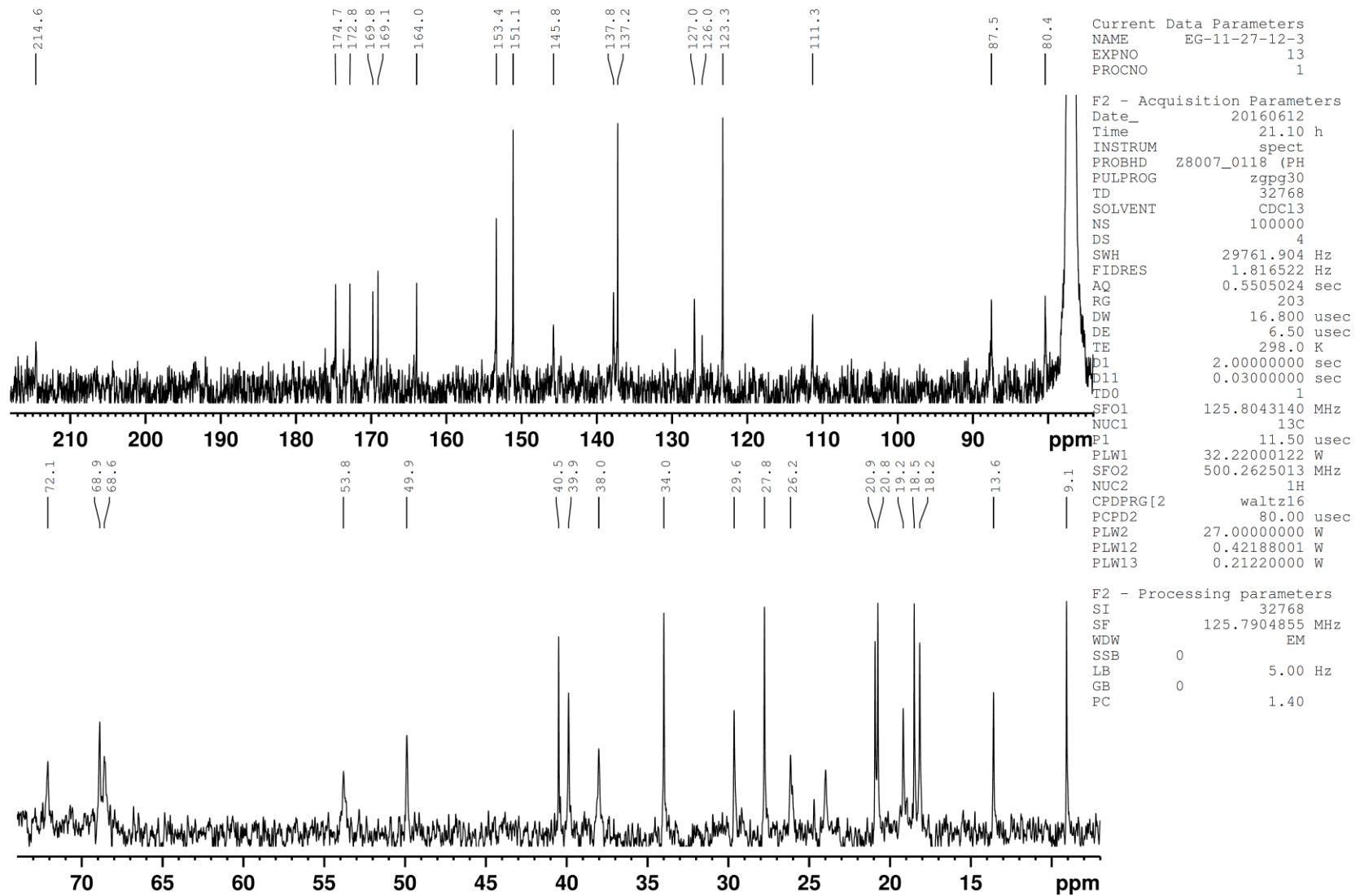
273 K



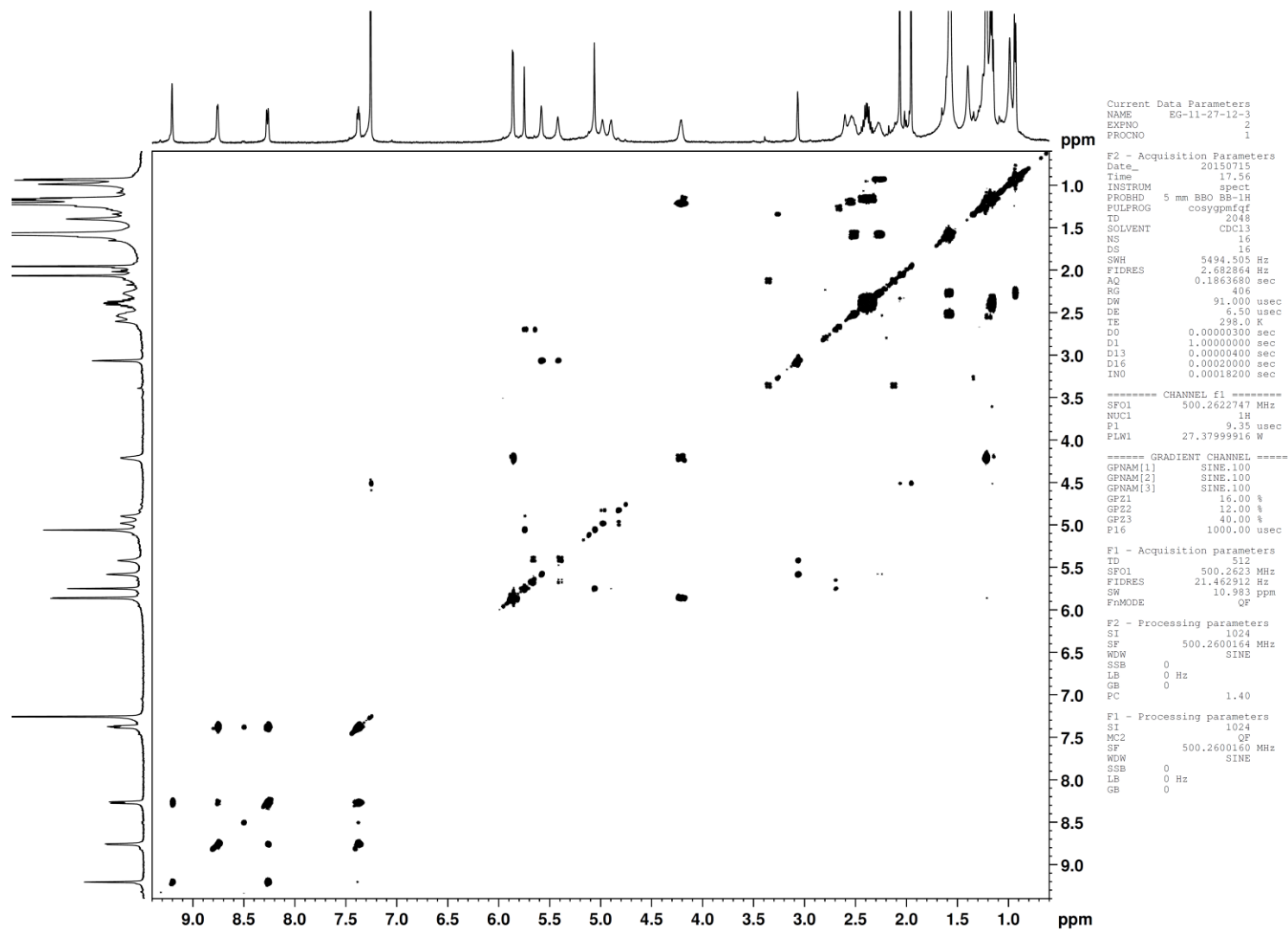
298 K



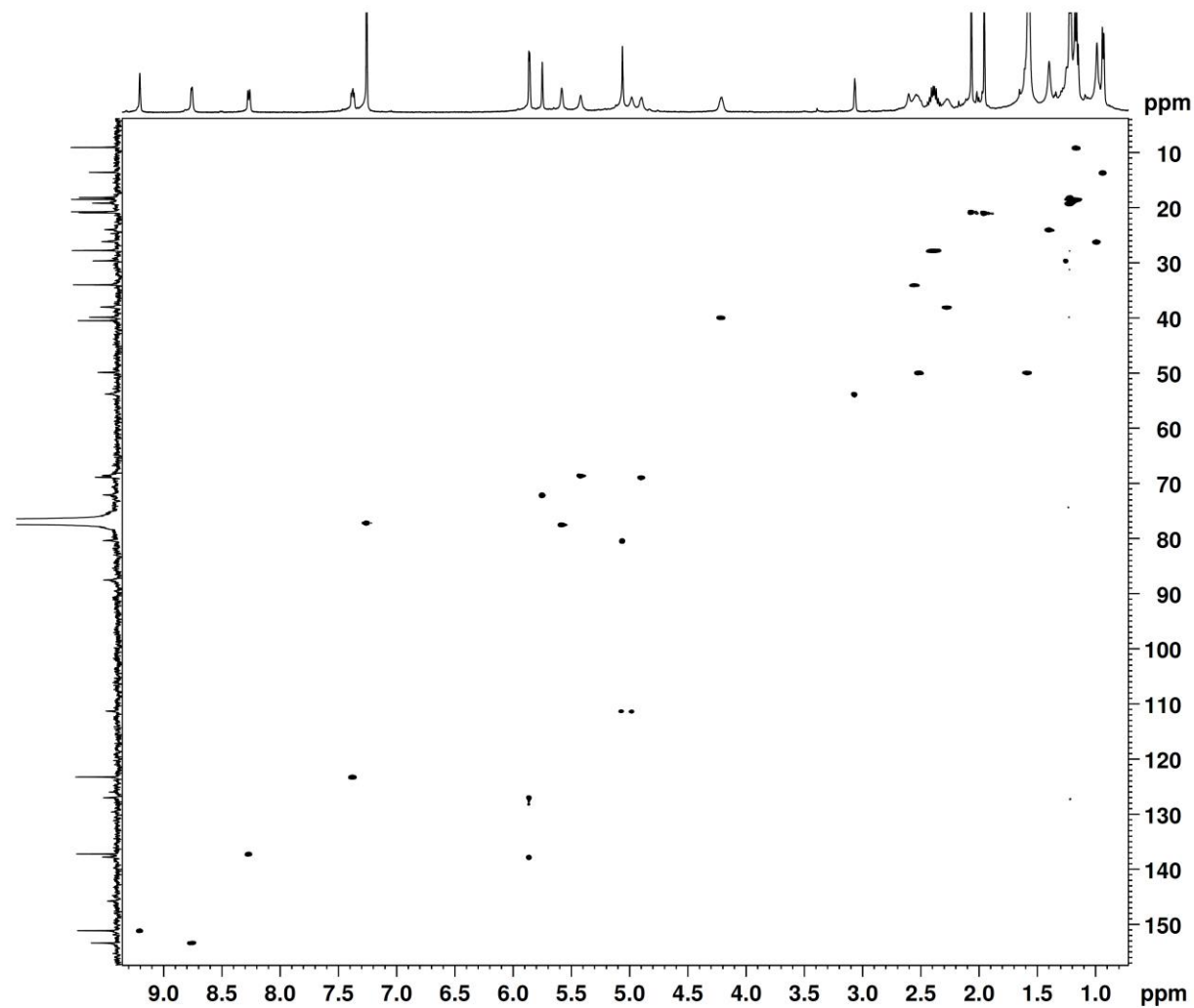
S45. ^1H NMR spectrum of nicaeenin G (**8**) (expanded)



S46. ¹³C NMR spectrum of nicaenin G (8)



S47. COSY spectrum of nicaeenin G (8)



```

Current Data Parameters
NAME      EG-11-27-12-3
EXPNO     6
PROCNO    1

F2 - Acquisition Parameters
Date_     20150715
Time      20.47
INSTRUM   spect
PROBHD    5 mm BBO BB-1H
PULPROG   hsqcetps12
TD         1024
SOLVENT   CDCl3
NS         64
DS         16
SWH        5494.505 Hz
FIDRES     5.365728 Hz
AQ         0.0331840 sec
RG         2050
DW         91.000 usec
DE         6.50 usec
TE         298.0 K
CNS2      145.000000
D0         0.0000300 sec
D1         2.0000000 sec
D4         0.0017244 sec
D11        0.0300000 sec
D16        0.0002000 sec
D24        0.00086207 sec
IN0        0.00002210 sec
ZGPTNS

===== CHANNEL f1 =====
SFO1      500.2622747 MHz
NUC1      1H
P1         9.35 usec
P2        18.70 usec
P28       1000.00 usec
PLW1      27.37999916 W

===== CHANNEL f2 =====
SFO2      125.8005402 MHz
NUC2      13C
CPDPRG2   garp
P3        11.50 usec
P4        23.00 usec
PCPD2     70.00 usec
PLW2      32.22800064 W
PLW12     0.86984003 W

===== GRADIENT CHANNEL =====
GPNAM[1]  SINE.100
GPNAM[2]  SINE.100
GPNAM[3]  SINE.100
GPNAM[4]  SINE.100
GP21      80.00 %
GP22      20.10 %
GP23      11.00 %
GP24      -5.00 %
P16       1000.00 usec
P19       600.00 usec

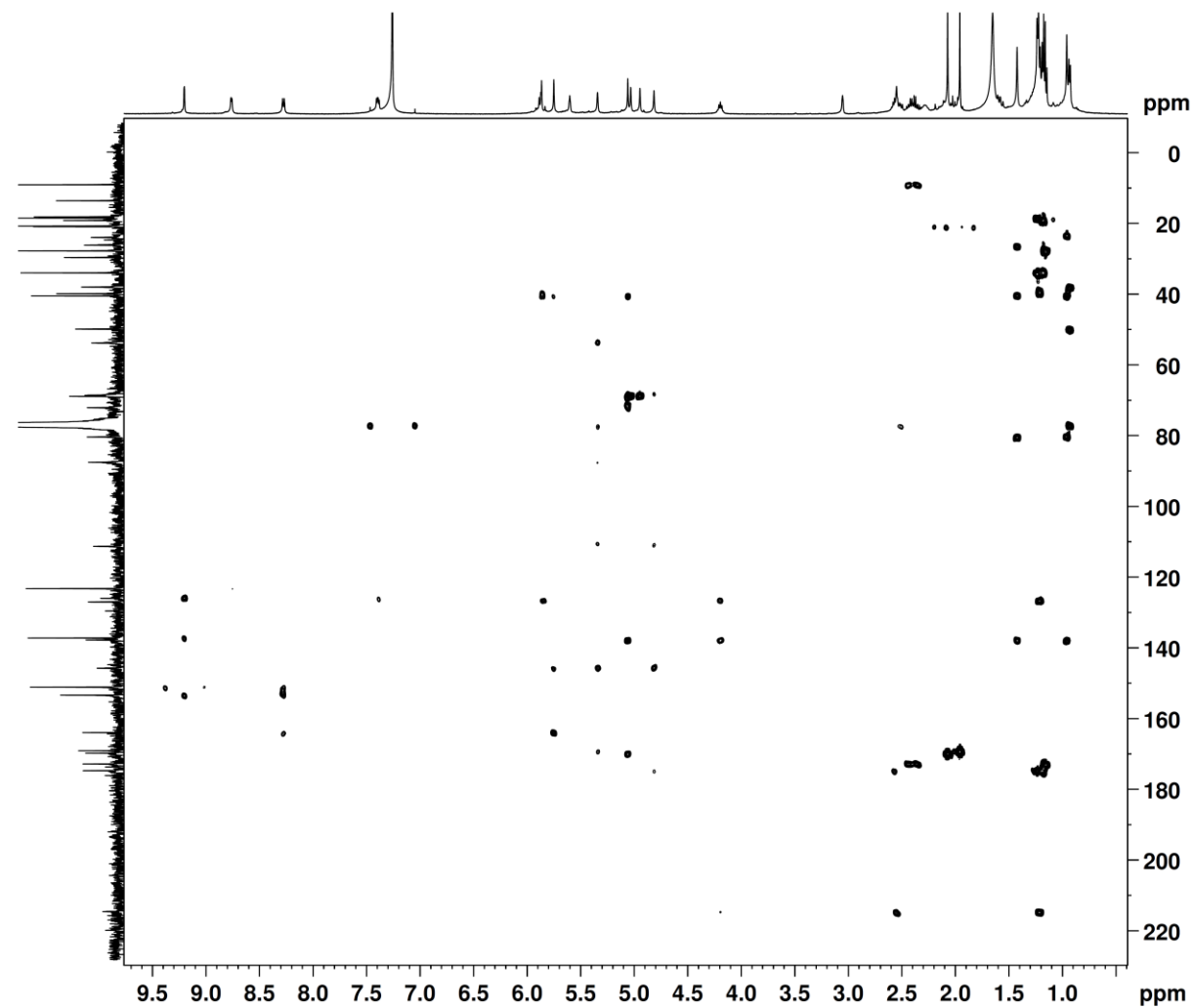
F1 - Acquisition parameters
TD         128
SFO1      125.8005 MHz
FIDRES     353.506775 Hz
SW         179.644 ppm
FnmODE     Echo-Antiecho

F2 - Processing parameters
SI         2048
SF         500.2600117 MHz
WDW        QSINE
SSB        2
LB         0 Hz
GB         0
PC         1.40

F1 - Processing parameters
SI         1024
MC2        echo-antiecho
SF         125.7904807 MHz
WDW        QSINE
SSB        2
LB         0 Hz
GB         0

```

S48. HSQC spectrum of nicaeenin G (8)



```

Current Data Parameters
NAME      EG-11-27-12-3
EXPNO     4
PROCNO    1

F2 - Acquisition Parameters
Date_     20150721
Time      4.29
INSTRUM   spect
PROBHD    5 mm BBO BB-1H
PULPROG   hmbcpg1pdqgf
TD         1024
SOLVENT   CDCl3
NS         64
DS         16
SWH        4690.432 Hz
FIDRES    4.580500 Hz
AQ         0.1091584 sec
RG         2050
DW         106.600 usec
DE         6.50 usec
TE         273.0 K
CNST2     145.0000000
CNST13    8.0000000
D0         0.0000000 sec
D1         1.5000000 sec
D2         0.00344828 sec
D5         0.06250000 sec
D16        0.00020000 sec
IN0        0.00001660 sec

===== CHANNEL f1 =====
SFO1      500.2625533 MHz
NUC1       1H
P1         9.35 usec
P2         18.70 usec
PLW1       27.37999916 W

===== CHANNEL f2 =====
SFO2      125.8043140 MHz
NUC2       13C
P2         11.50 usec
PLW2       32.22800064 W

===== GRADIENT CHANNEL =====
GPNAM[1]   SINE.100
GPNAM[2]   SINE.100
GPNAM[3]   SINE.100
GP21       50.00 %
GP22       30.00 %
GP23       40.10 %
F16        1000.00 usec

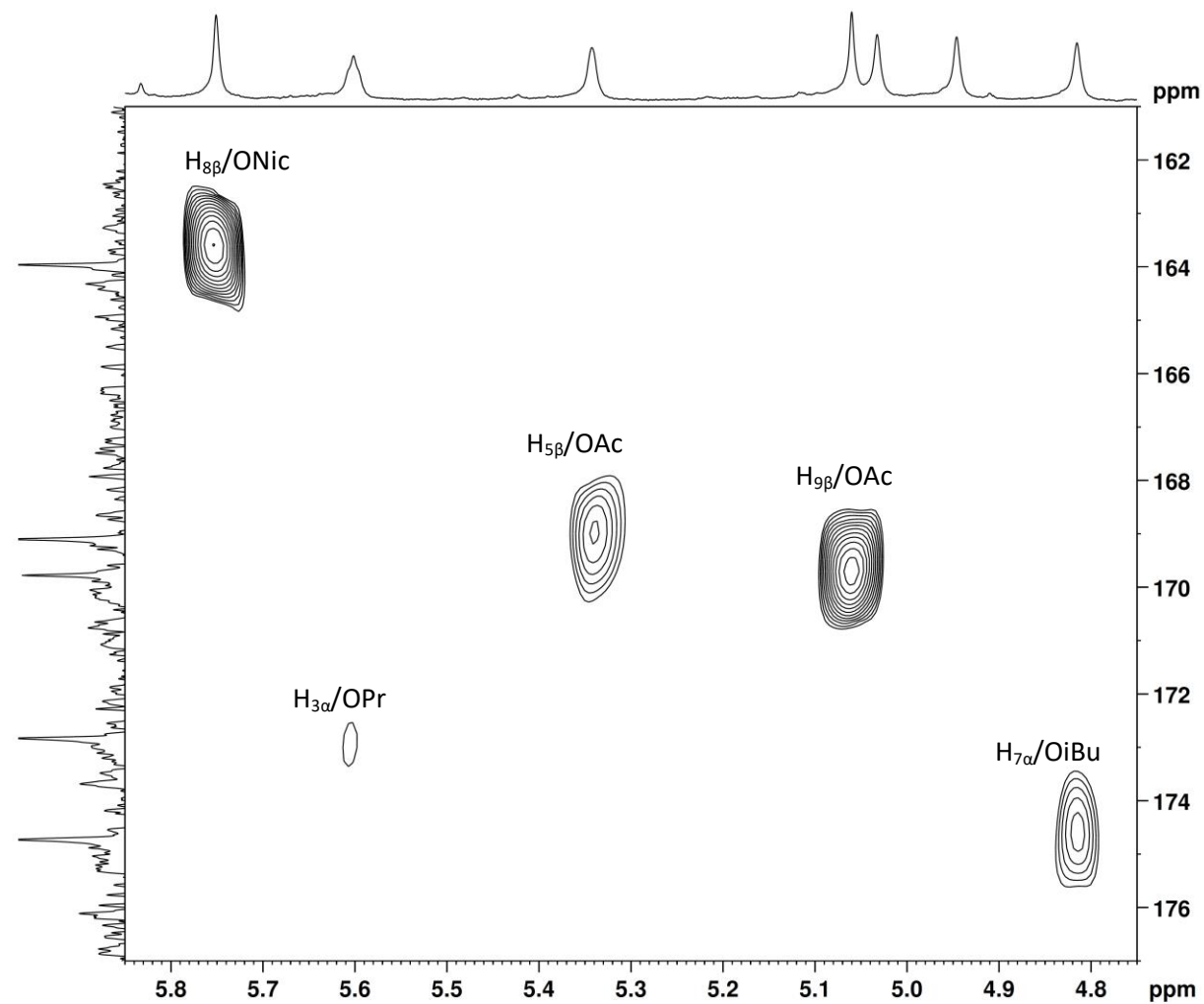
F1 - Acquisition parameters
TD         165
SFO1      125.8043 MHz
FIDRES    365.096741 Hz
SW         239.423 ppm
F0MODE    QF

F2 - Processing parameters
SI         2048
SF         500.260124 MHz
WDW        QSINE
SSB         0
LB         0 Hz
GB         0
PC         1.40

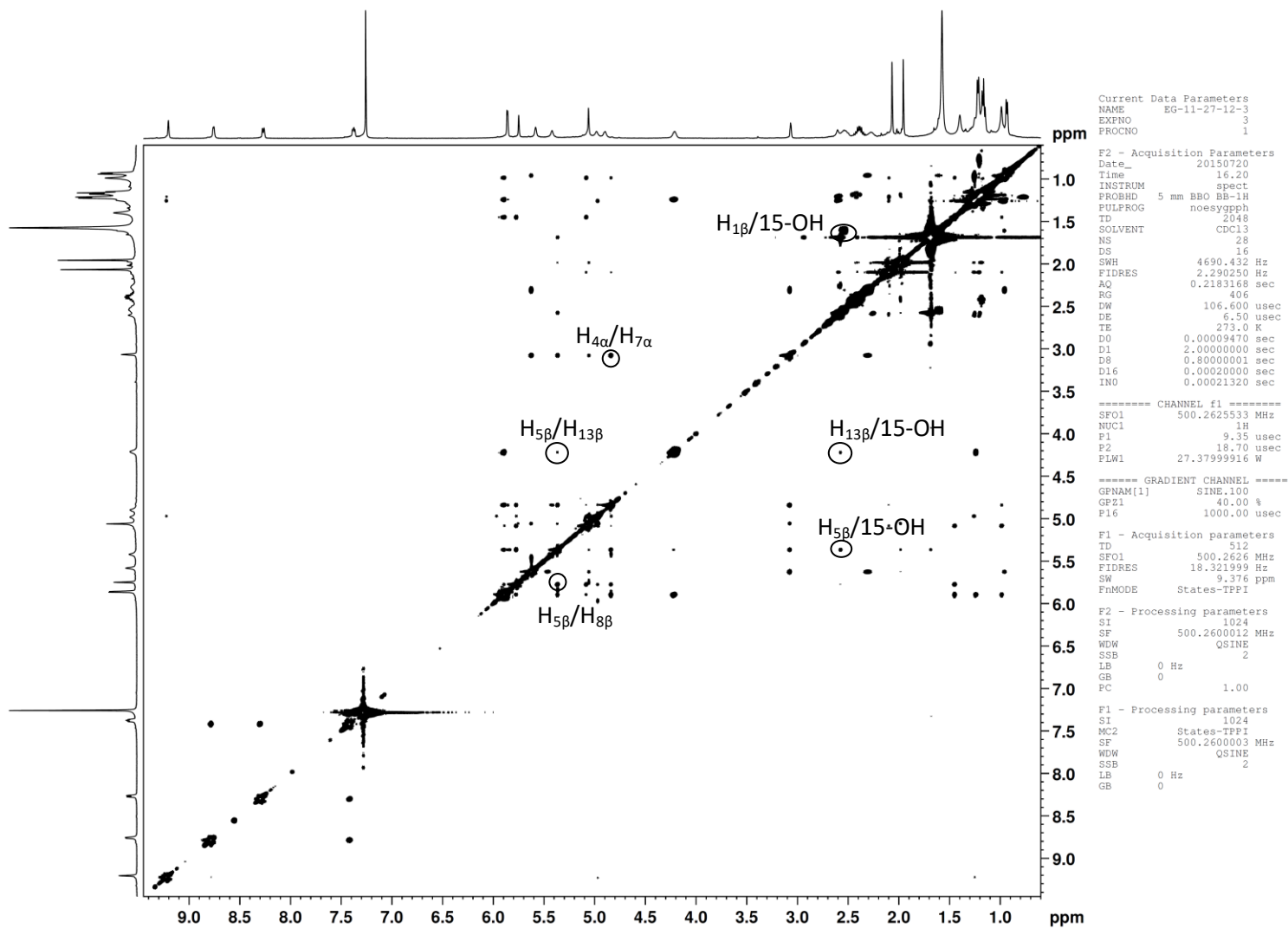
F1 - Processing parameters
SI         1024
WDW        QF
SF         125.7904728 MHz
WDW        SINE
SSB         0
LB         0 Hz
GB         0

```

S49. HMBC spectrum of nicaeenin G (8)



S50. HMBC spectrum of nicaenin G (**8**) (expanded)



S51. NOESY spectrum of nicaeenin G (8)