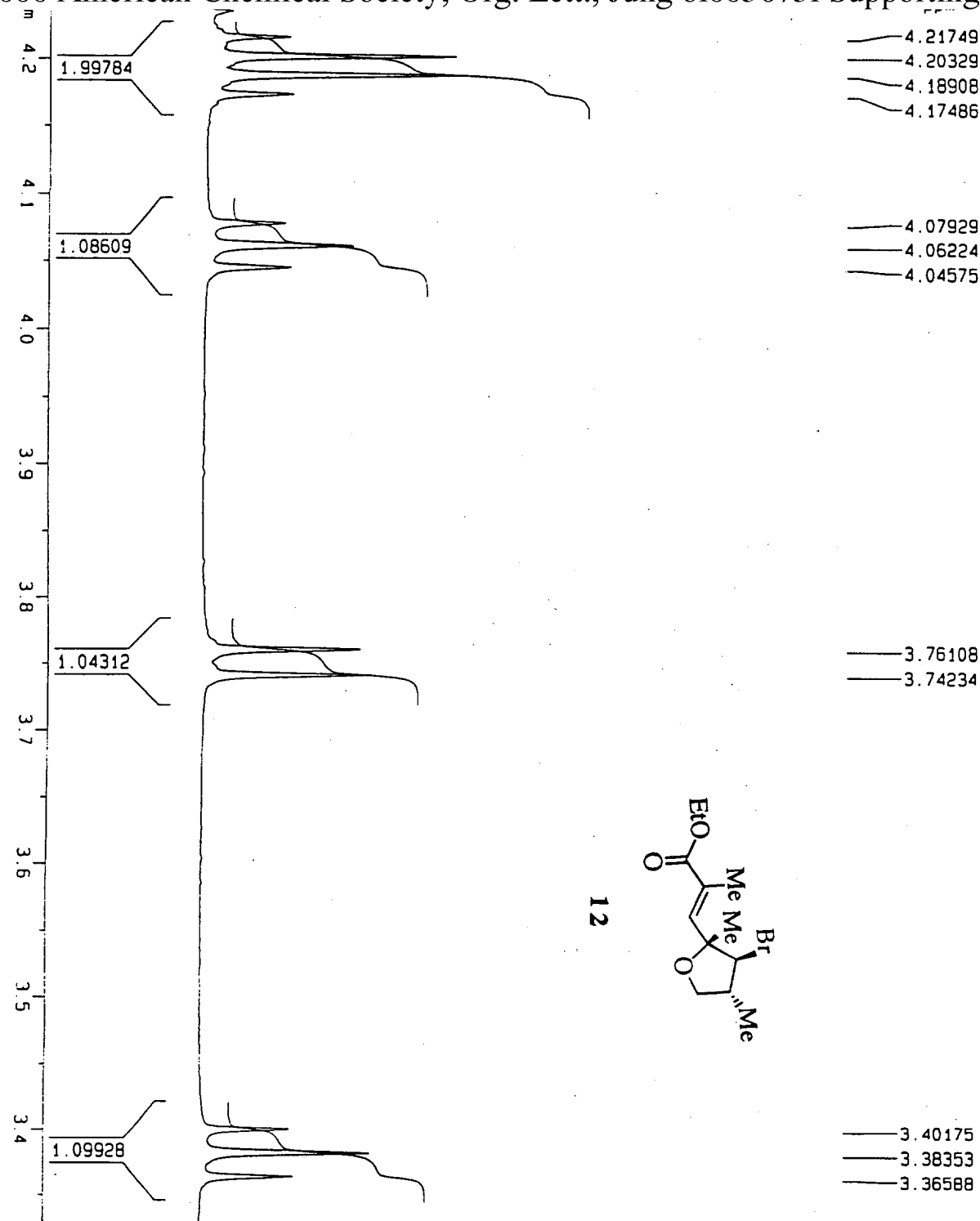


RM-60



Current Data Parameters
 NAME RM-60
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters

Date_ 980724
 Time 22.20
 INSTRUM arx500
 PROBHD 5 mm broadba
 PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 8
 DS 0
 SMH 10204.082 Hz
 FIDRES 0.311404 Hz
 AQ 1.6056820 sec
 RG 715
 DM 49.000 use
 DE 70.00 use
 TE 300.0 K
 O1 2.00000000 sec
 P1 14.00 use
 SF01 500.1330000 MHz
 NUCLEUS 1H

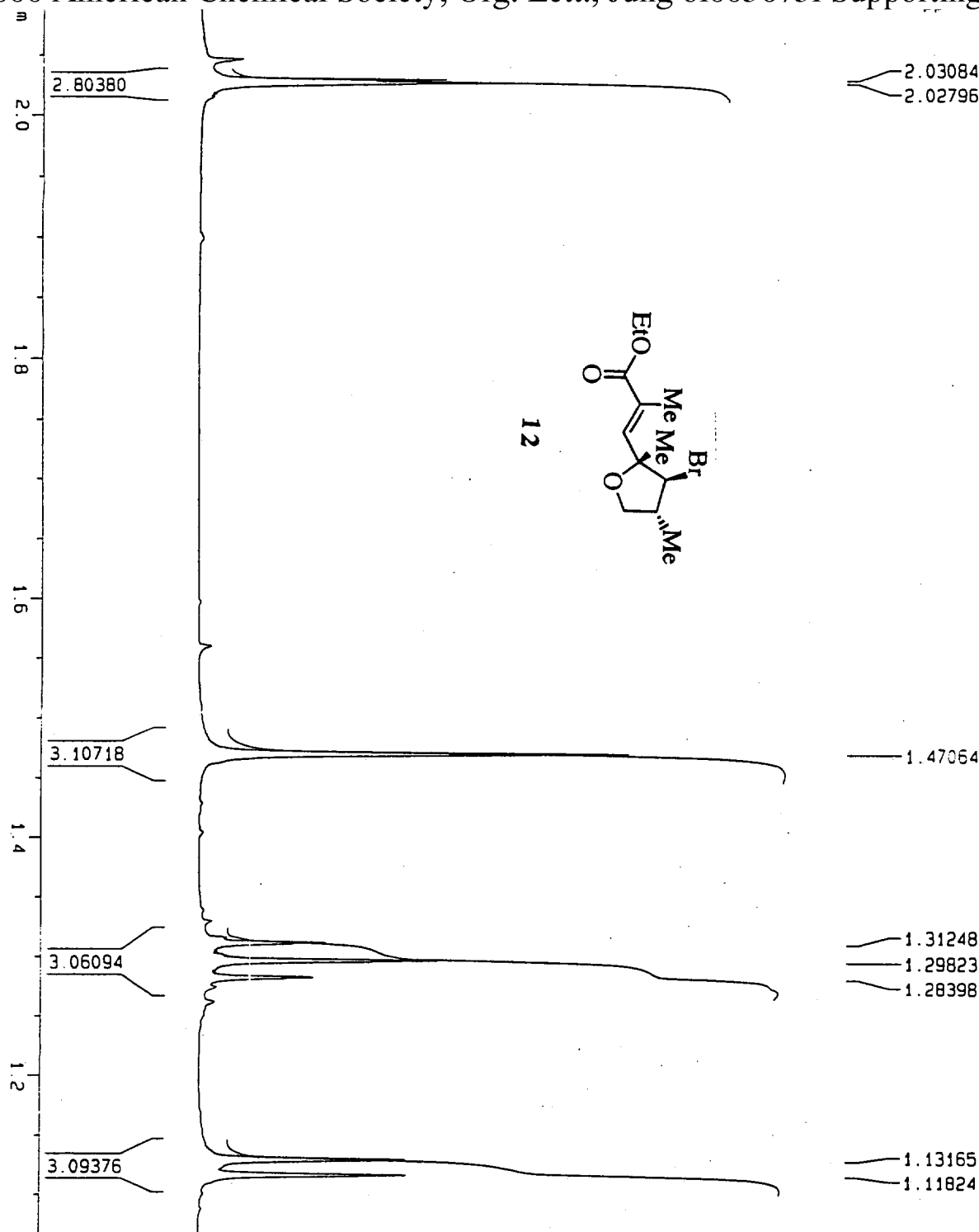
F2 - Processing parameters

SF 32768
 SF 500.1300235 MHz
 MDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00

1D NMR plot parameters

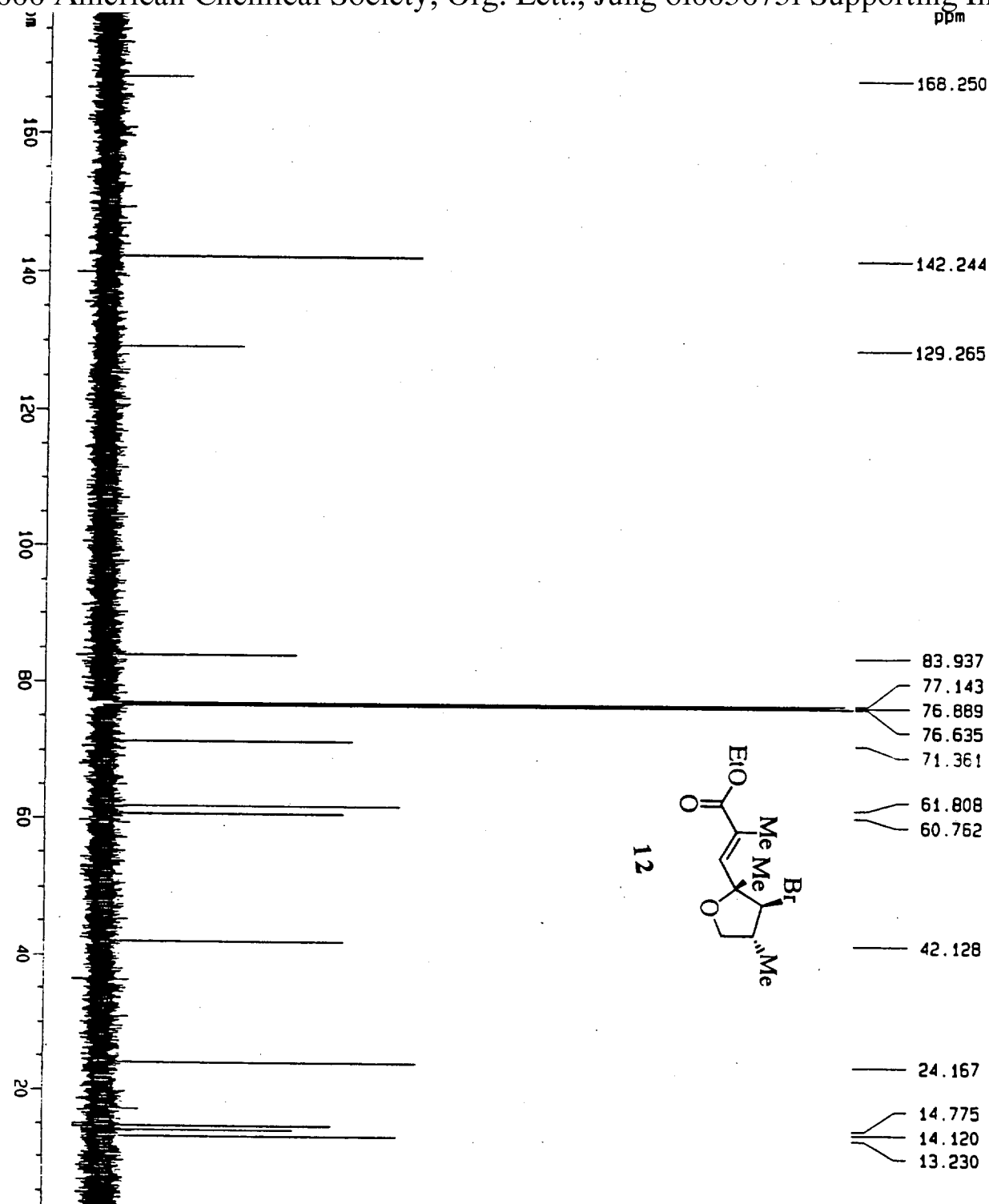
CX 20.00 cm
 F1P 4.254 ppm
 F1 2127.34 Hz
 F2P 3.329 ppm
 F2 1664.99 Hz
 PPMCM 0.04620 ppm
 HZCM 23.11761 Hz/

RMN-v1-60



Current Data Parameters	
NAME	RMN-v1-60
EXPNO	1
PROCNO	1
F2 - Acquisition Parameters	
Date_	980724
Time	22.20
INSTRUM	arx500
PROBHD	5 mm broadba
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	8
DS	0
SMH	10204.082 Hz
FIDRES	0.311404 Hz
AQ	1.6056820 sec
RG	715
DM	49.000 use
DE	70.00 use
TE	300.0 K
D1	2.00000000 sec
P1	14.00 use
SFO1	500.133008 MHz
NUCLEUS	¹ H
F2 - Processing parameters	
SI	32768
SF	500.1300235 MHz
MDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.00
1D NMR plot parameters	
CX	20.00 cm
F1P	2.106 ppm
F1	1053.16 Hz
F2P	1.065 ppm
F2	532.63 Hz
PPMCM	0.05204 ppm
HZCM	25.02662 Hz/

RMN-vi-28



Current Data Parameters
 NAME RMN-vi-28-C
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 980713
 Time 14.01
 INSTRUM arx500
 PROBHD 5 mm broadba
 PULPROG zgpg30
 TO 65536
 SOLVENT CDCl3
 NS 125
 DS 0
 SMH 35714.285 Hz
 FIDRES 0.544957 Hz
 AQ 0.9175540 sec
 RG 32768
 DM 14.000 usec
 DE 20.00 usec
 TE 300.0 K
 D12 0.0000200 sec
 DLS 16.00 dB
 CPOPRGwaltz16
 P31 100.00 usec
 D1 2.0000000 sec
 P1 7.25 usec
 SF01 125.7728999 MHz
 NUCLEUS 13C
 D11 0.0300000 sec

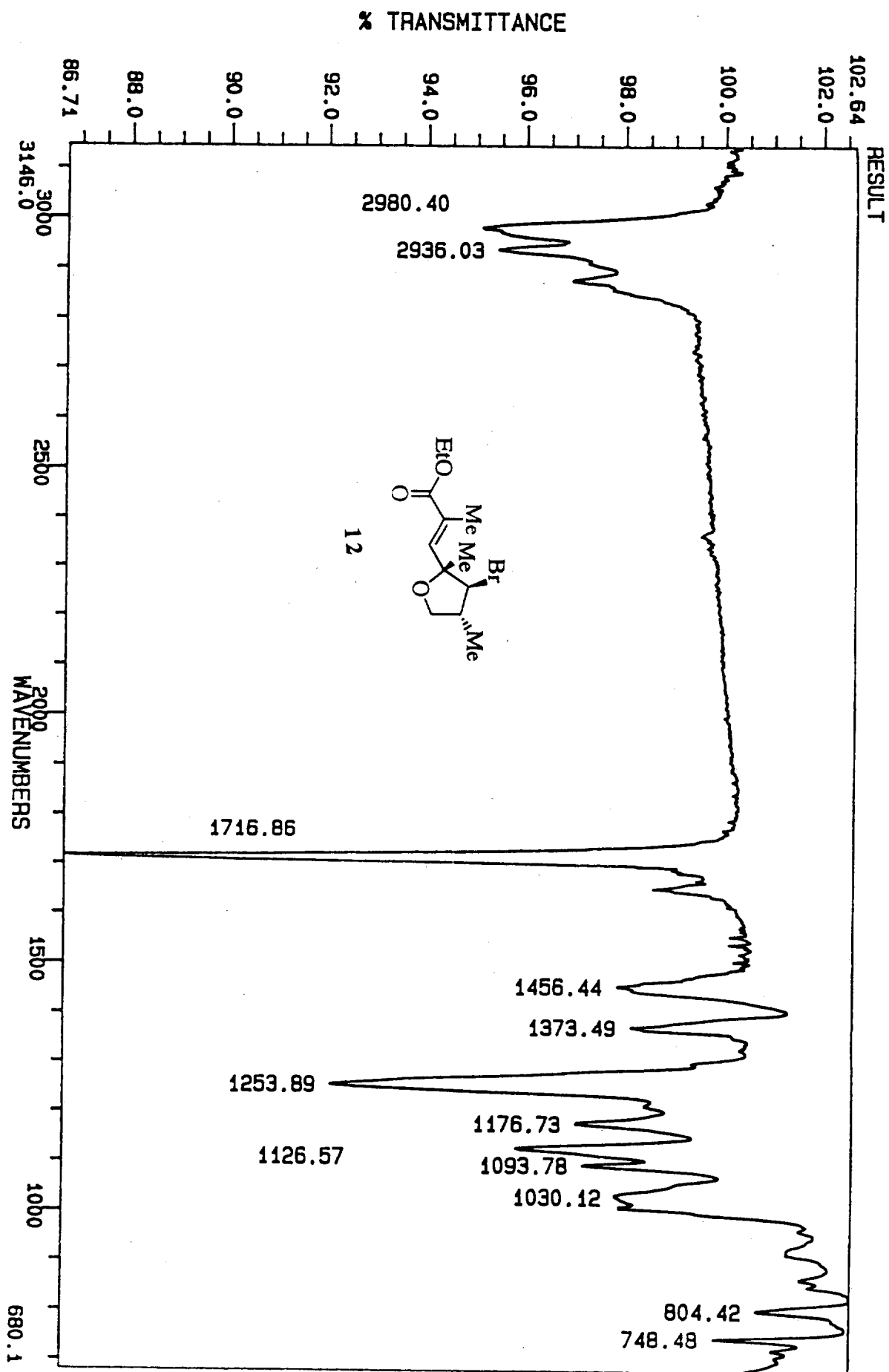
F2 - Processing parameters
 SI 65536
 SF 125.7578090 MHz
 MDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.40

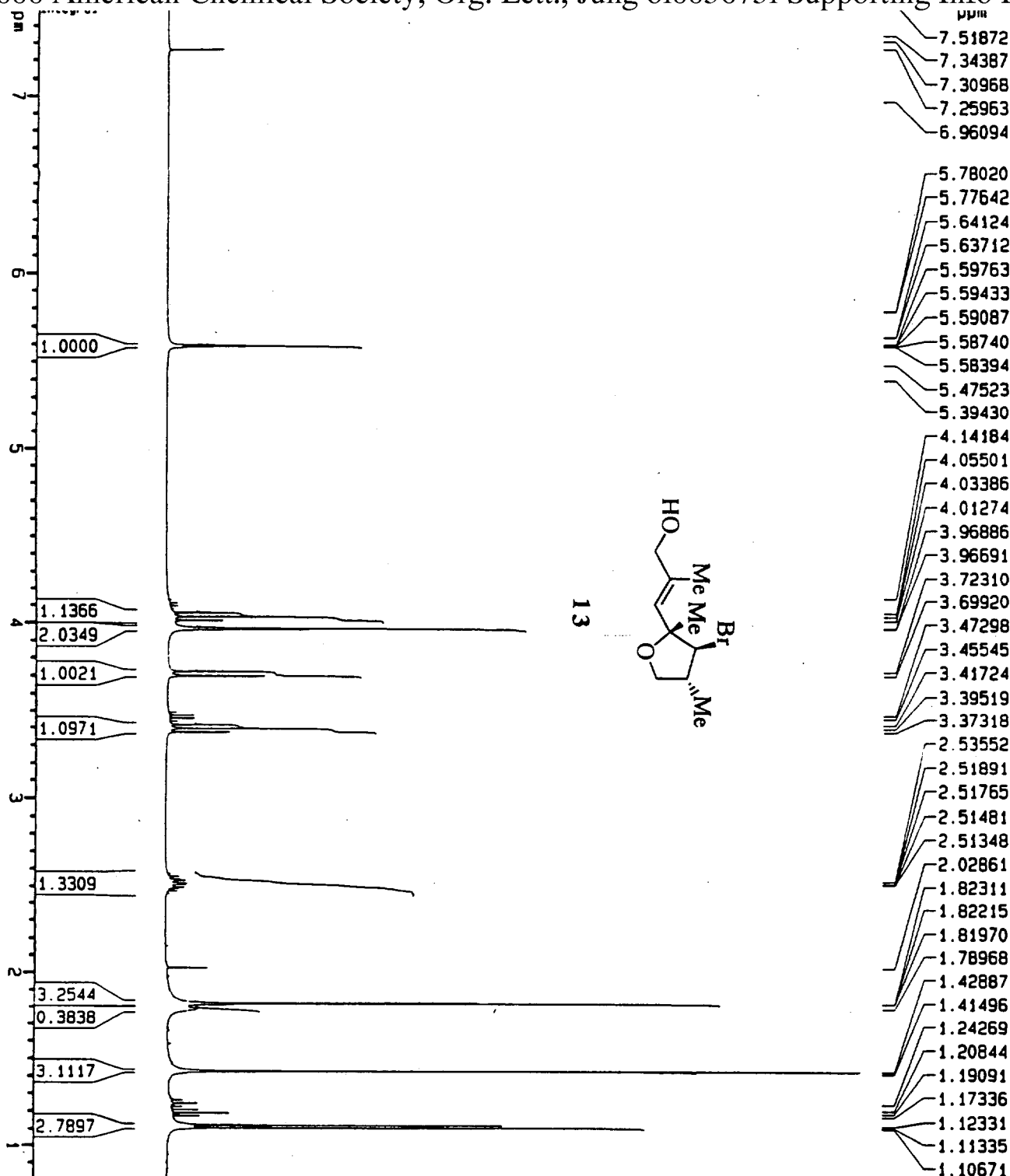
1D NMR plot parameters
 CX 20.00 cm
 F1P 179.557 ppm
 F1 22580.69 Hz
 F2P 2.767 ppm
 F2 347.96 Hz
 PPMHM 8.87950 ppm/Hz
 HZCM 1111.63672 Hz/Hz

UCLA
Dept. of Chemistry &
Biochemistry

RM-1-28

SCANS: 32 RES: 4.0 TIME: 07/13/98 15:02:55





PM-4-vi-80-H

Current Data Parameters
 NAME PM-4-vi-80-H
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 980731
 Time 7.17

INSTRUM arx400
 PROBHD 5 mm QNP 1H
 PULPROG zg30

TD 65536
 SOLVENT CDCl3

NS 8
 DS 0

SWH 8064.516 Hz
 FIDRES 0.123055 Hz

AQ 4.0632820 sec

RG 360

DM 62.000 usec

DE 88.57 usec

TE 300.0 K

D1 2.0000000 sec

P1 8.25 usec

DE 88.57 usec

SFO1 400.1324008 MHz

NUCLEUS 1H

F2 - Processing parameters

SI 65536

SF 400.1300173 MHz

WDW no

SSB 0

LB 0.00 Hz

GB 0

PC 1.00

1D NMR plot parameters

CX 20.00 cm

F1P 7.537 ppm

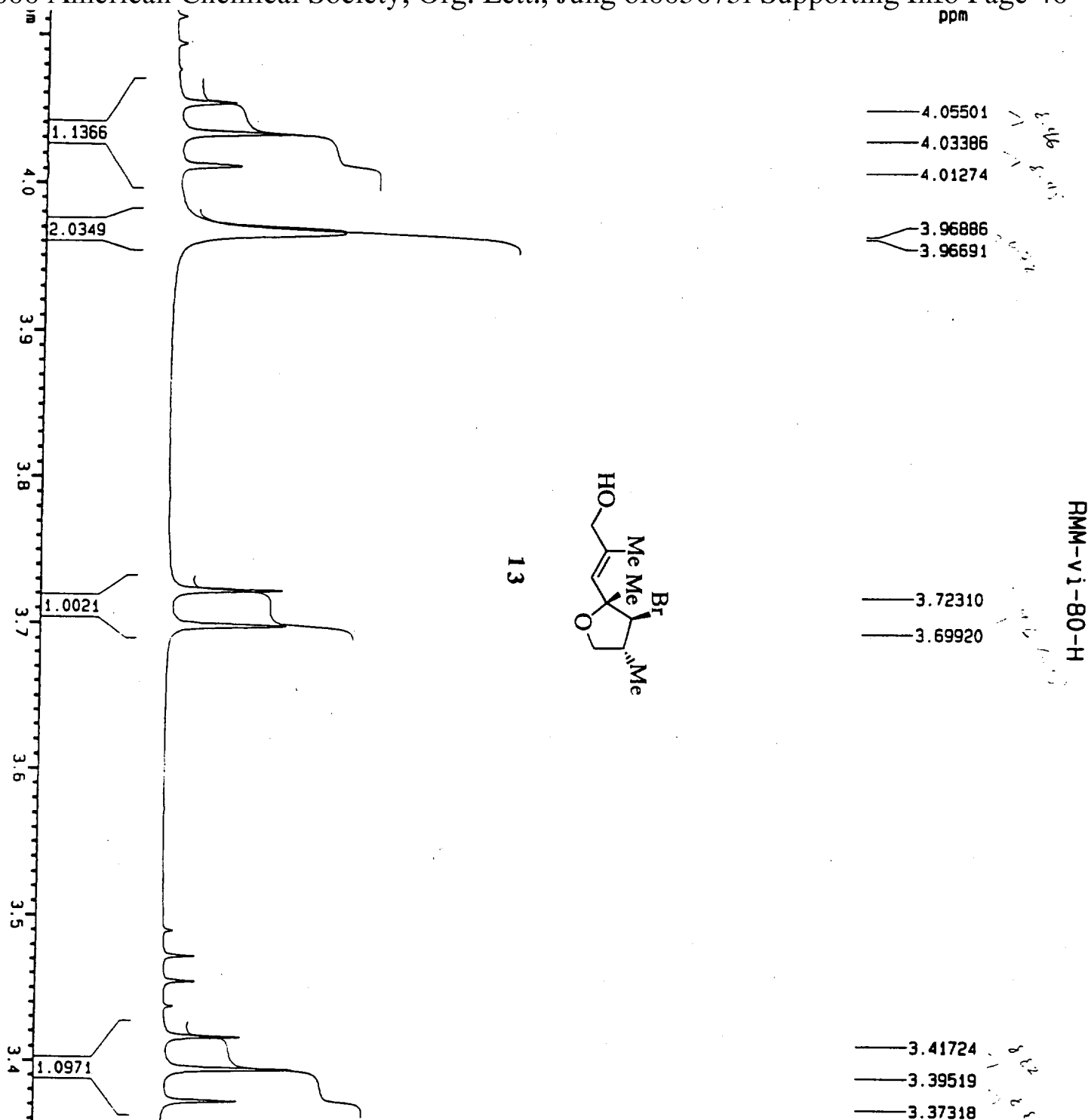
F1 3015.93 Hz

F2P 0.812 ppm

F2 324.77 Hz

PPMCM 0.33629 ppm/cm

HZCM 134.55811 Hz/cm



RMM-vi-80-H

Current Data Parameters
NAME RMM-vi-80-H
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 980731
Time 7.17

INSTRUM acx400
PROBHD 5 mm QNP 1H
PULPROG zg30

TD 65536
SOLVENT CDCl3
NS 8

DS 0
SMH 806.4516 Hz
FIDRES 0.123055 Hz

AQ 4.0632820 sec
RG 360
DM 62.000 usec

DE 88.57 usec
TE 300.0 K
D1 2.00000000 sec

P1 8.25 usec
DE 88.57 usec
SF01 400.1324008 MHz

NUCLEUS 1H

F2 - Processing parameters
SI 65536
SF 400.1300173 MHz

WDW no
SSB 0
LB 0.00 Hz

GB 0
PC 1.00

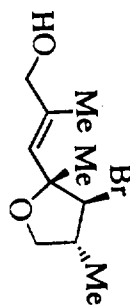
1D NMR plot parameters
CX 20.00 cm
F1P 4.126 ppm

F1 1651.09 Hz
F2P 3.348 ppm
F2 1339.62 Hz

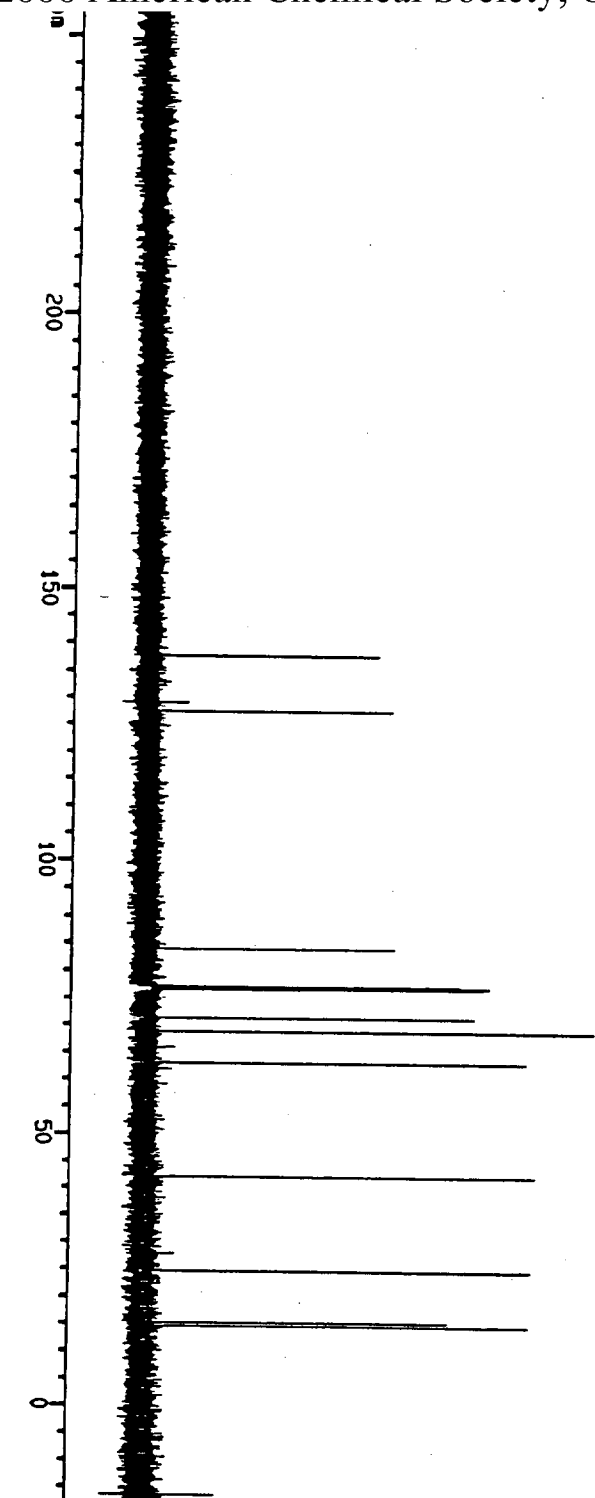
PPMCM 0.03892 ppm/cm
HZCM 15.57371 Hz/cm

RMN-VI-80

137.634	
127.466	
83.942	
77.365	
77.047	
76.729	
71.247	
68.681	
63.086	
42.081	
24.601	
15.169	
14.589	



13



Current Data Parameters
NAME RMN-VI-80-C
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 980731
Time 7.25

INSTRUM brx400
PROBHD 5 mm QNP 1H
PULPROG zgpg30

TD 65536
SOLVENT CDCl3
NS 142

DS 0
SMH 27777.777 Hz
FIDRES 0.423855 Hz

AQ 1.1796980 sec
RG 32768
DM 18.000 usec

DE 25.71 usec
TE 300.0 K
D12 0.0000200 sec

DL5 23.50 dB
CPDPRG waltz16
P31 100.00 usec

D1 2.00000000 sec
P1 6.25 usec
DE 25.71 usec

SF01 100.624845 MHz
NUCLEUS 13C
D11 0.0300000 sec

F2 - Processing Parameters
SI 65536
SF 100.6127710 MHz

MDM no
SSB 0
LB 0.00 Hz

GB 0
PC 1.40

1D NMR plot parameters
CX 20.00 cm
F1P 256.043 ppm

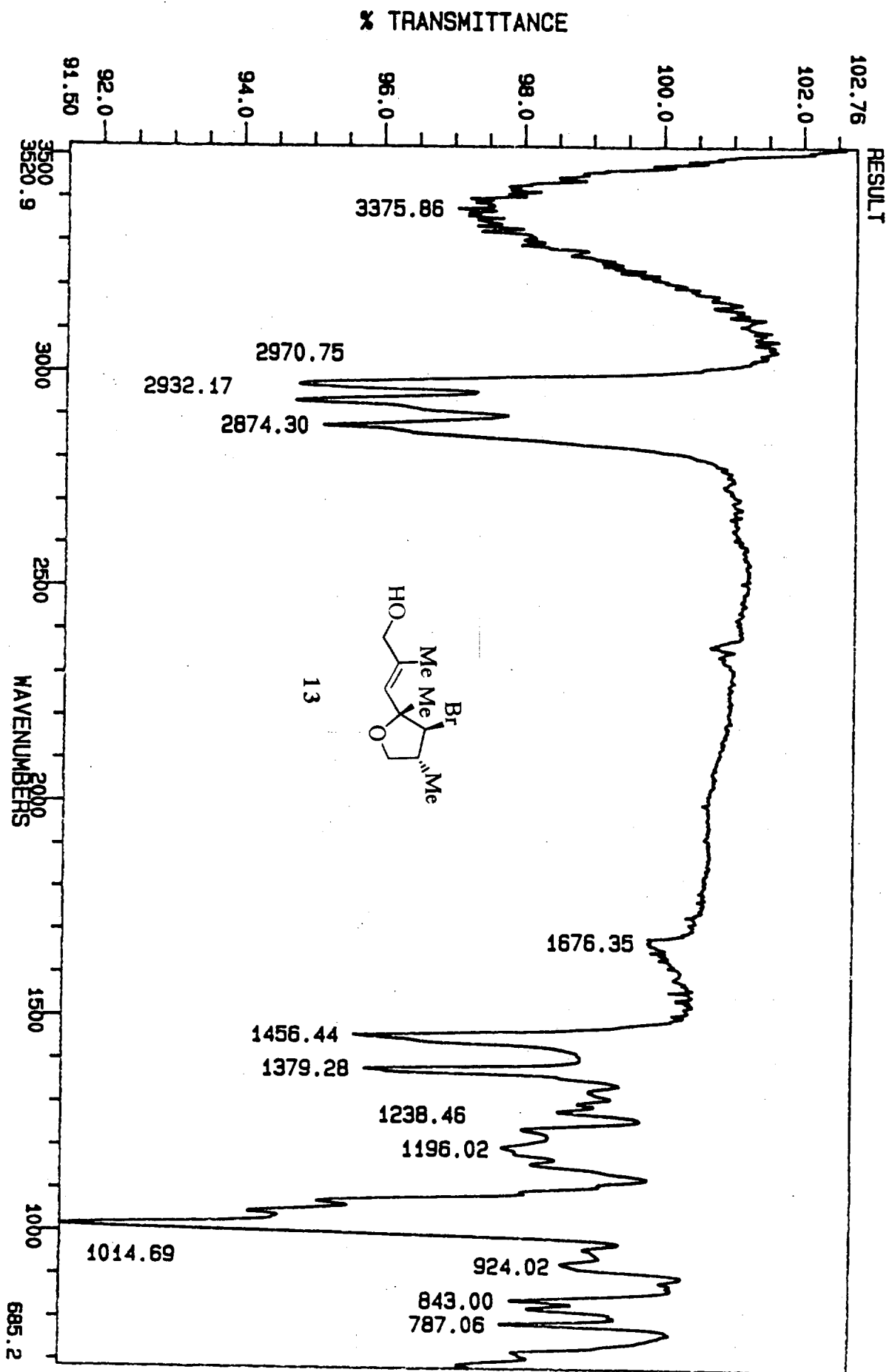
F1 25962.42 Hz
F2P -18.043 ppm
F2 -1815.36 Hz

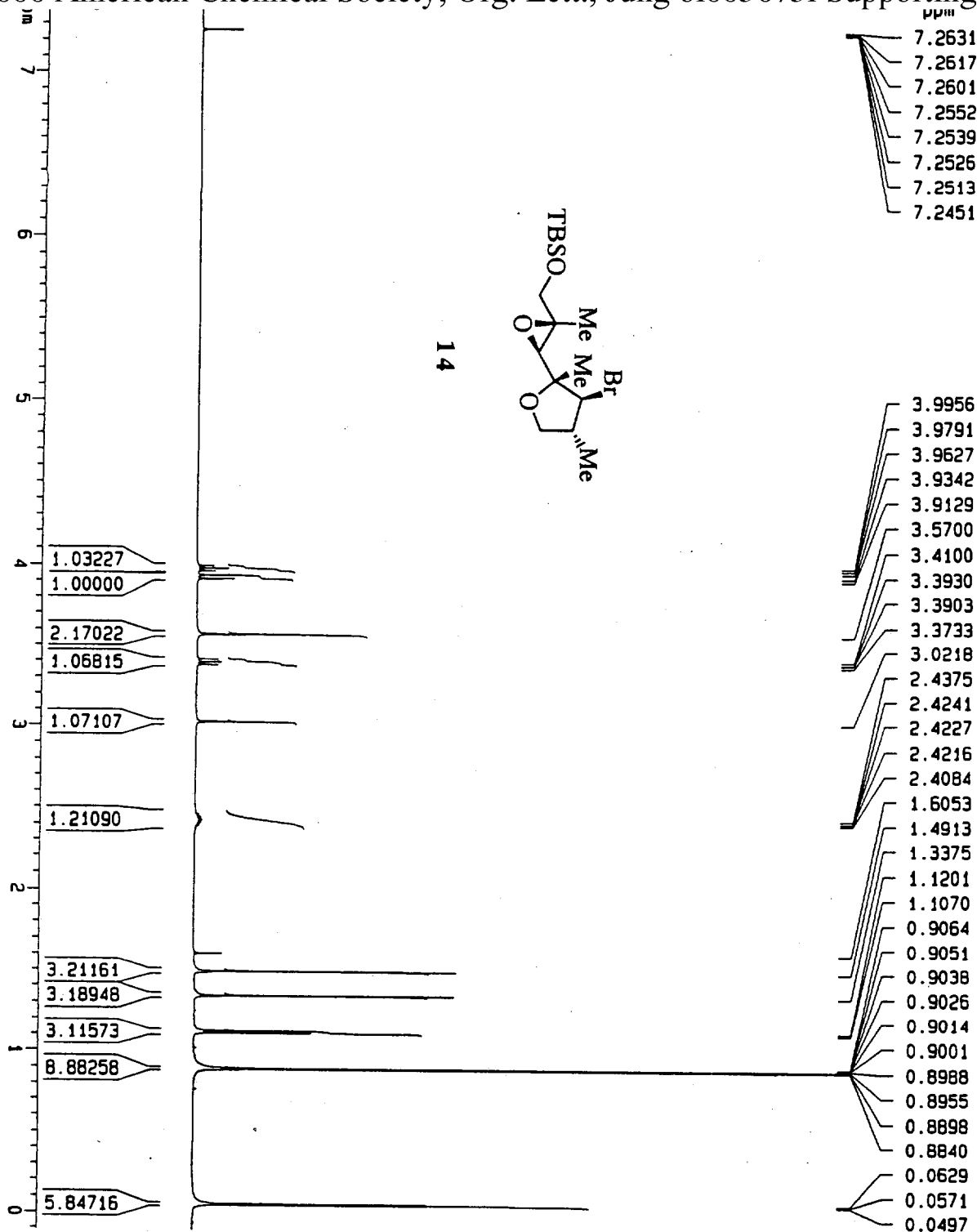
PPMCH 13.80430 ppm/cm
HZCM 1388.88879 Hz/cm

UCLA
Dept. of Chemistry &
Biochemistry

RMN-V1-80

SCANS: 32 RES: 4.0 TIME: 07/31/98 08:52:05





PMH-Vj-64-1

Current Data Parameters	
NAME	RMH-V-64-1H
EXPNO	1
PROCNO	1

F2 - Acquisition Parameters

Time 15.25

PROBHD 5 mm broadband

Fullname	2930
ID	32768

SOLVENT	CDC13
MS	2.1

0
DS

FIDRES	0.311404
--------	----------

K3	1.000000
R6	256

DM	49.000
DE	70.00

TE 300.0

P1 14.00

NUCLEUS $1H$

F2 - Processing parameters

SF 500.1300228 MHz

110 0 558

[illegible]

PC 1.00

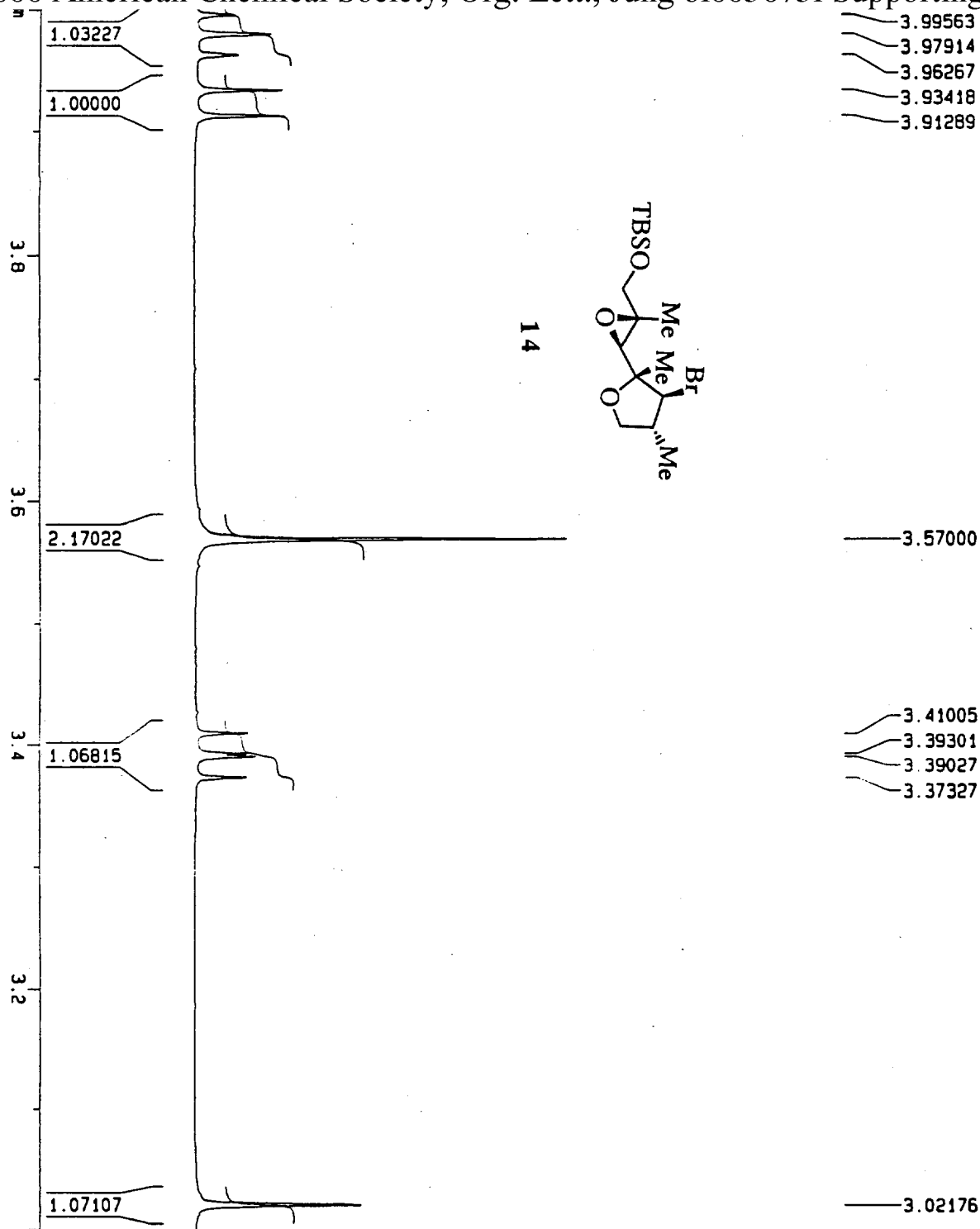
1D NMR plot parameters

CA	20.00
E1P	7.477

F1 3739.38

F2 -56.31

HZCM 189.78445



PMM-VI-64-1

```
Current Data Parameters
NAME          RNM-V-64-1H
EXPNO         1
PROCNO        1
```

F2 - Acquisition Parameters
Date_ 980810

time	15.25
INSTRUM	arcx500
PROBHD	5 mm broadba
PULPROG	zg30
TO	32.768
SOLVENT	CDCl3
NS	24

DS	0
SMH	10204.082 HZ
FIDRES	0.311404 HZ
AQ	1.6056820 sec

AG	256
DH	49.000 use
DE	70.00 use
TE	300.0 K
D1	2.00000000 sec
P1	14.00 use
SFO1	500.1330008 MHz

NUCLEUS

F2 - Processing parameters

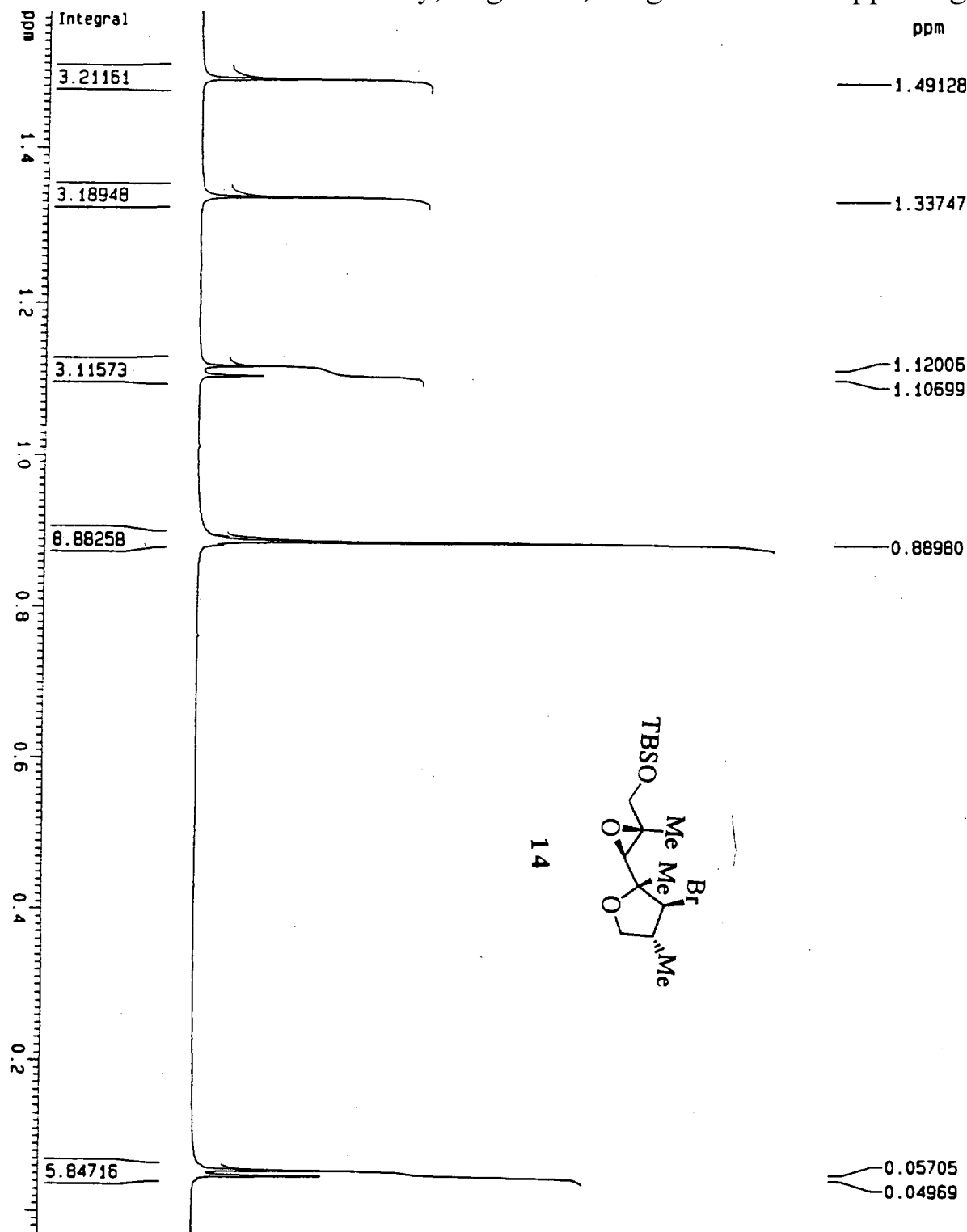
SI	32768
SF	500.1300228 MHz

MDM	no.
SSB	0
LB	0.00 Hz
GB	0
PC	1.00

1D NMR plot parameters

CX	20.00 cm
F1P	4.020 ppm
F1	2010.52 Hz
F2P	2.998 ppm
F2	1499.40 Hz
PPMCM	0.05110 ppm
HZCM	25.55596 Hz

RMN-vi-64-1



Current Data Parameters
NAME RMN-v-64-1H
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 980810
Time 15.25

INSTRUM arx500
PROBHD 5 mm broadband
PULPROG zg30

TD 32768
SOLVENT CDCl3

NS 24
DS 0

SMH 10204.082 Hz
FIDRES 0.311404 Hz
AQ 1.6056820 sec

RG 256
DM 49.000 use

DE 70.00 use
TE 300.0 K

D1 2.0000000 sec
P1 14.00 use

SF01 500.133008 MHz
NUCLEUS 1H

F2 - Processing parameters
SI 32768

SF 500.1300228 MHz
MDM no

SSB 0
LB 0.00 Hz

GB 0
PC 1.00

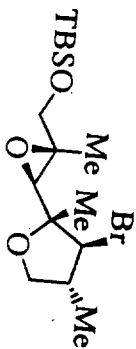
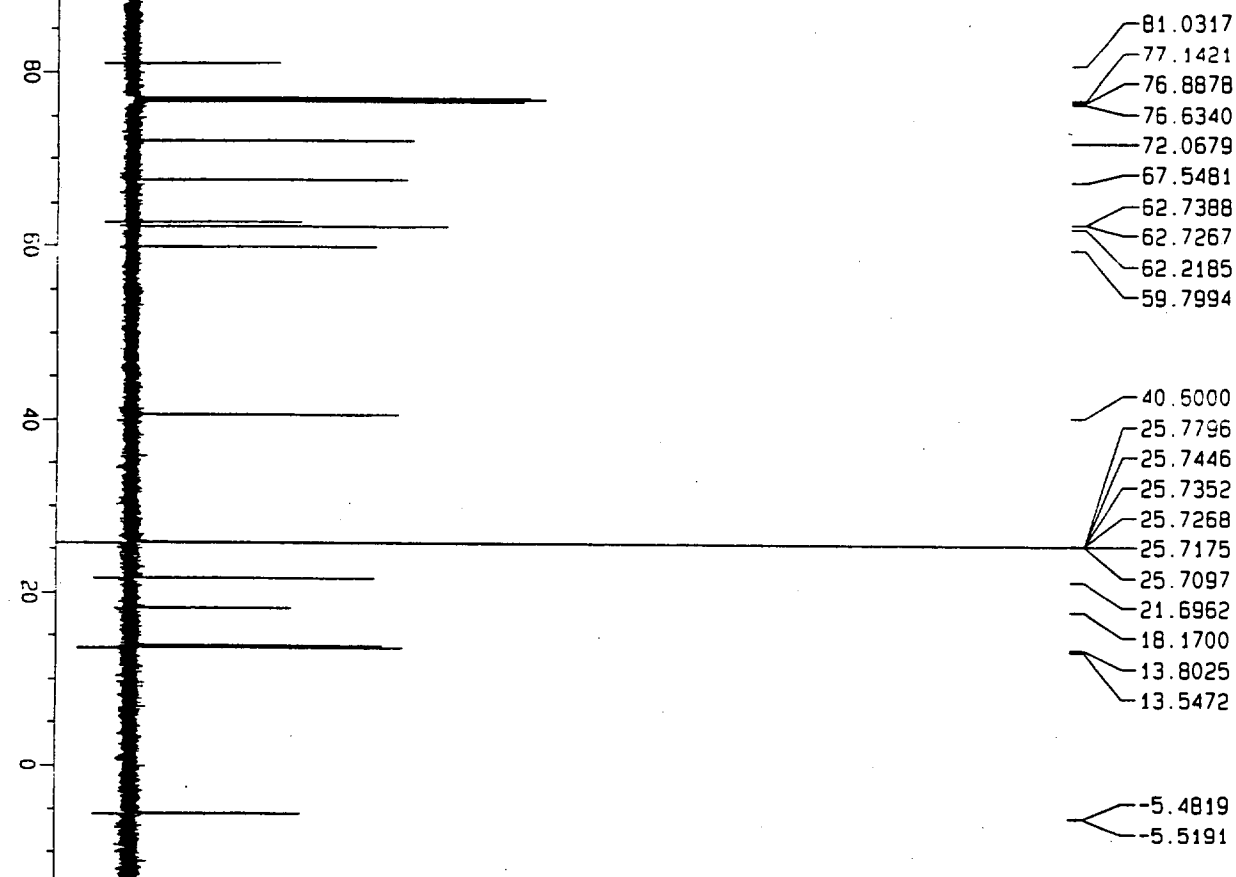
1D NMR plot parameters
CX 20.00 cm

F1P 1.580 ppm
F1 790.01 Hz

F2P -0.030 ppm
F2 -14.76 Hz

PPMCM 0.08046 ppm
HZCM 40.23837 Hz

RMM-vi-64-1



14

Current Data Parameters	
NAME	RMW-v-64-1C
EXPNO	1
PROCNO	1
F2 - Acquisition Parameters	
Date_	980810
Time	15.31
INSTRUM	arx500
PROBHD	5 mm broadb
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	122
DS	0
SWH	35714.285 Hz
F1FREQS	0.544957 Hz
AQ	0.9175540 sec
RG	22800
DM	14.000 usec
DE	20.00 usec
TE	300.0 K
D12	0.000200 sec
D5	16.00 dB
CPDPRG	wt1tz16
P31	100.00 usec
D1	2.0000000 sec
P1	7.25 usec
SFO1	125.7728999 MHz
NUCLEUS	13C
D11	0.0300000 sec
F2 - Processing parameters	
S1	65536
SF	125.7578090 MHz
MDM	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.40
1D NMR Plot parameters	
CX	20.00 cm
F1P	160.749 ppm
F1	20215.51 Hz
F2P	-13.219 ppm
F2	-1662.45 Hz
PPMCM	R 63845. ppm/cm
WZCM	1091.89743 Hz/cm

— 40.5991

— 25.7087

— 21.6942

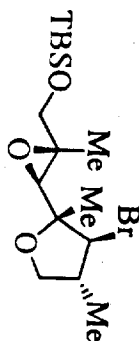
— 18.1693

— 13.8017

— 13.5464

— 5.4831

— 5.5202

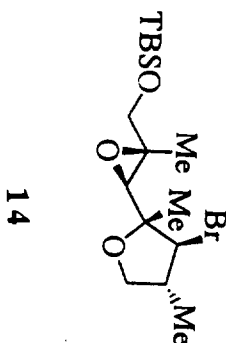
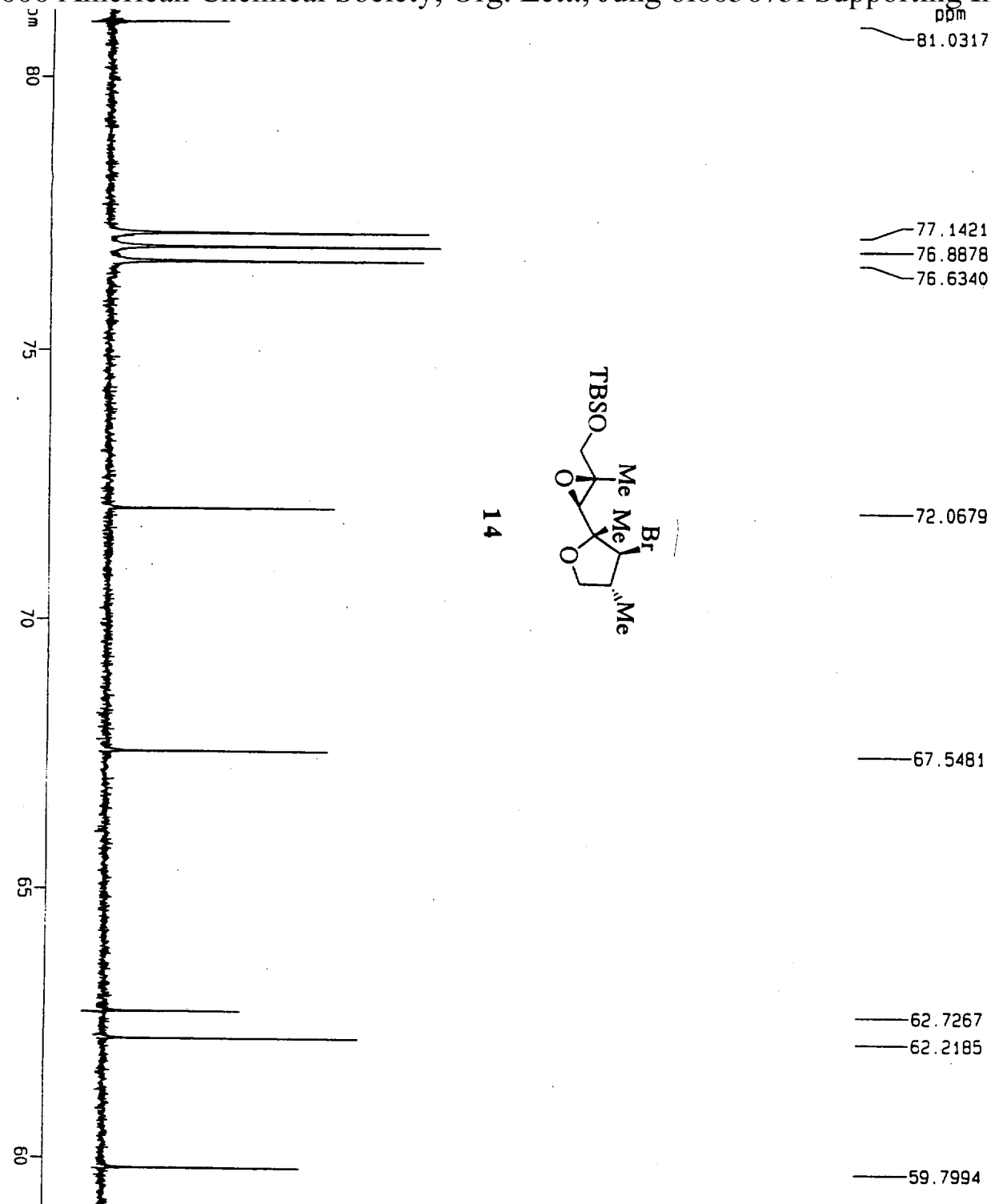


14



11/11

RMM-v i-64-1



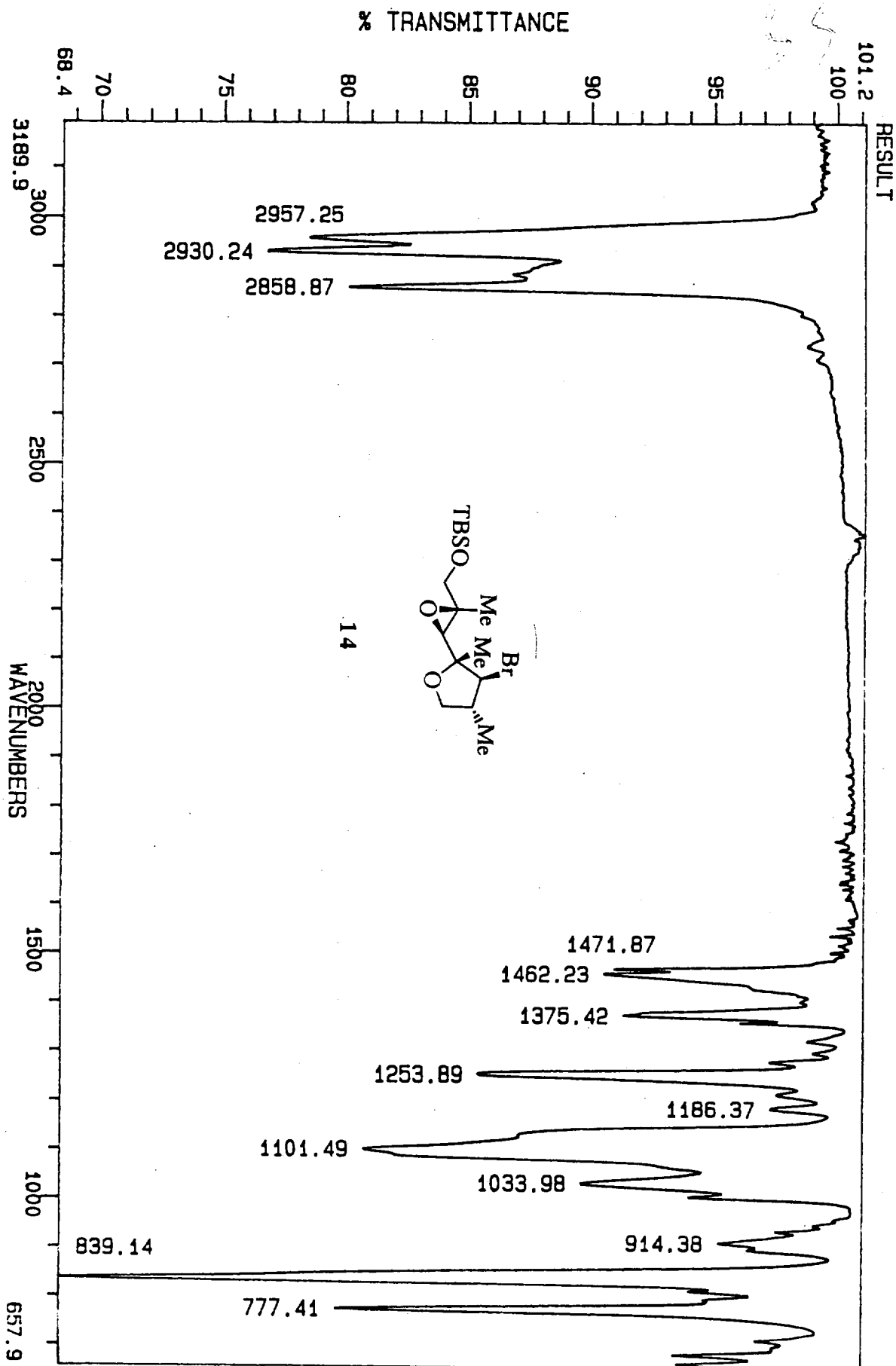
14

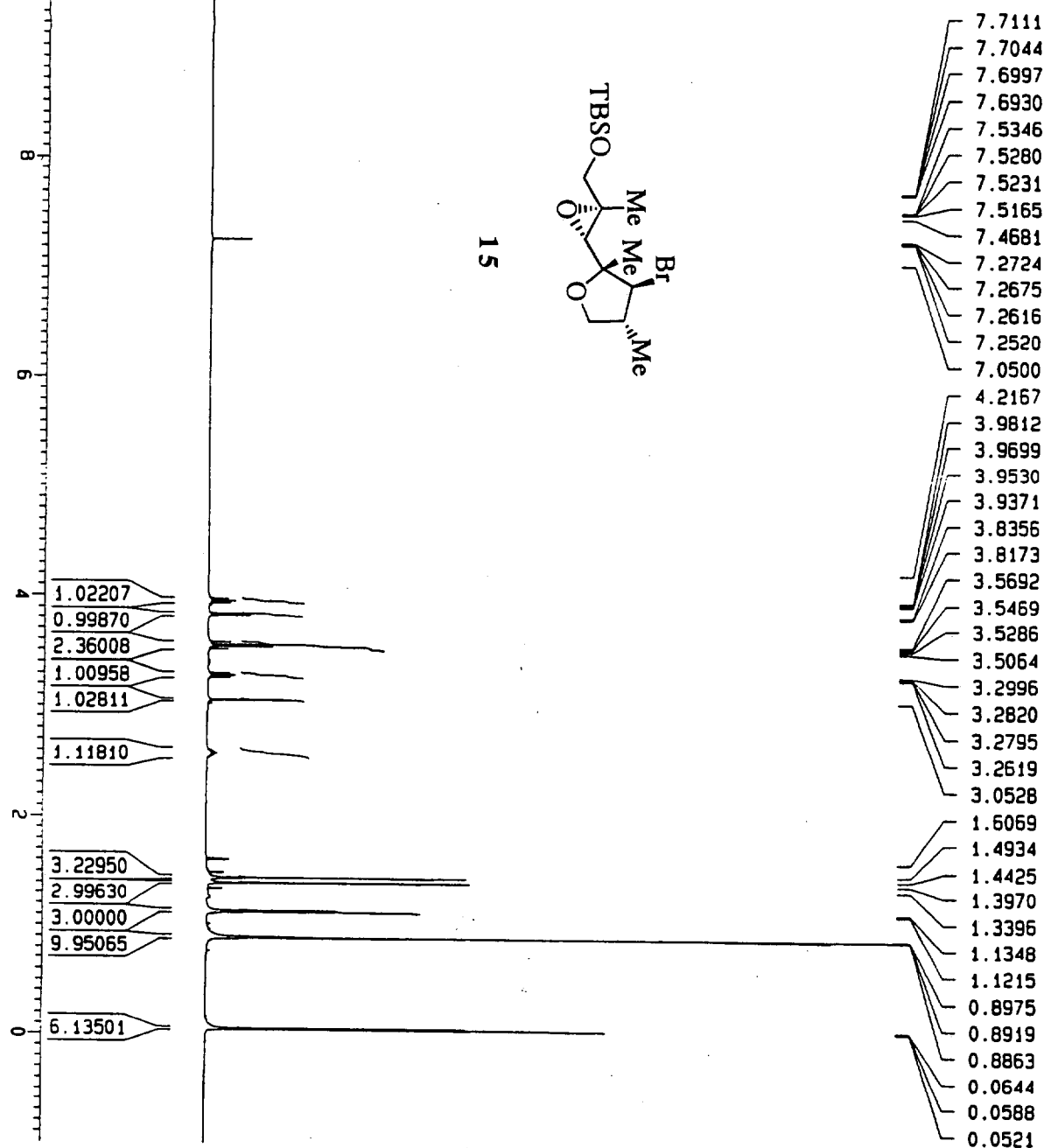
Current Data Parameters	
NAME	RMN-V-64-1C
EXPNO	1
PROCNO	1
F2 - Acquisition Parameters	
Date_	980810
Time	15.31
INSTRUM	arr500
PROBHD	5 mm broadba
PULPROG	zgpg30
TO	65536
SOLVENT	CDC13
NS	122
DS	0
SMH	35714.285 HZ
FIDRES	0.544957 HZ
AQ	0.9175540 sec
RG	22800
DM	14.000 usec
DE	20.00 usec
TE	300.0 K
D12	0.0000200 sec
OL5	16.00 dB
CPROPG	waltz16
P31	100.00 usec
D1	2.00000000 sec
P1	7.25 usec
SFO1	125.7720999 MHz
NUCLEUS	13C
D11	0.0300000 sec
F2 - Processing parameters	
S1	65536
SF	125.7578030 MHz
MWM	no
SSB	0
LB	0.00 HZ
GB	0
PC	1.40
1D NMR plot parameters	
CX	20.00 cm
F1P	01.485 ppm
F1	10747.40 HZ
F2P	59.069 ppm
F2	1428.44 HZ
PPMCM	1 120.79 ppm/cm
HzCM	140.94777 Hz/cm

UCLA
Dept. of Chemistry &
Biochemistry

RMM-v1-64-1

SCANS: 32 RES: 4.0 TIME: 08/10/98 16:04:26





Current Data Parameters
 NAME RMN-vi-64-11
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters

Date 980810
 Time 12.55
 INSTRUM arx500
 PROBHD 5 mm broadb
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 24
 DS 0
 SMH 10204.082 Hz
 FIDRES 0.311404 Hz
 AQ 1.6056820 sec
 RG 256
 DM 49.000 use
 DE 70.00 use
 TE 300.0 K
 D1 2.0000000 sec
 P1 14.00 use
 SFO1 500.133008 MHz
 NUCLEUS 1H

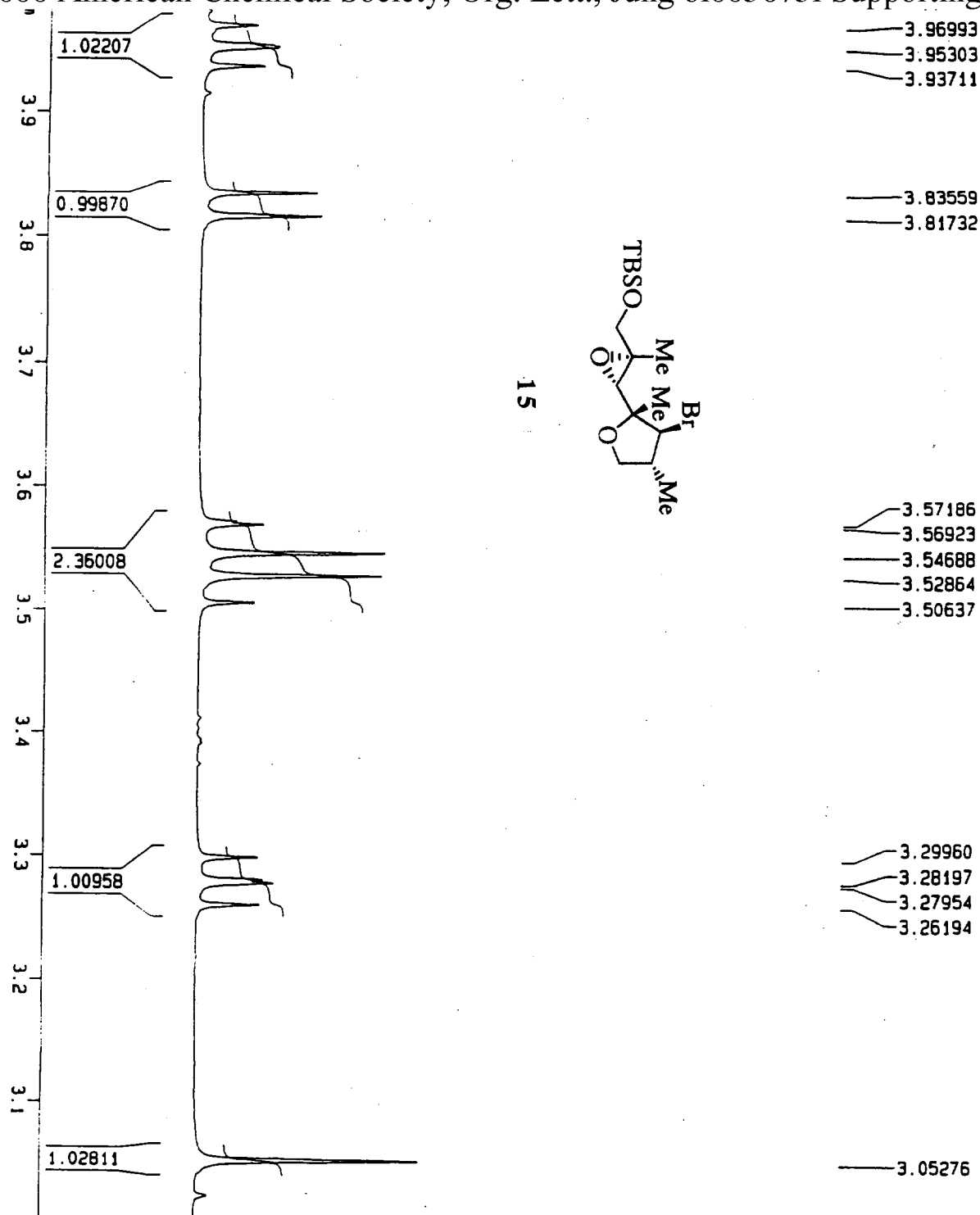
F2 - Processing parameters

SI 32768
 SF 500.1300222 MHz
 MDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00

1D NMR plot parameters

CX 20.00 cm
 F1P 11.000 ppm
 F1 5501.43 Hz
 F2P -1.000 ppm
 F2 -500.13 Hz
 PPMCM 0.60000 ppm
 HZCM 300.07603 Hz/

RMH-vi-64



Current Data Parameters

NAME RMH-v-64-H

EXPNO 1

PROCNO 1

F2 - Acquisition Parameters

Date_ 980810

Time 12.55

INSTRUM acx500

PROBHD 5 mm broadb

PULPROG zg30

TO 32768

SOLVENT CDCl3

NS 24

DS 0

SMH 10204.082 Hz

FIDRES 0.31404 Hz

AQ 1.6056820 sec

RG 256

DM 49.000 use

DE 70.00 use

TE 300.0 K

D1 2.0000000 sec

P1 14.00 use

SFO1 500.130008 MHz

NUCLEUS ¹H

F2 - Processing parameters

SI 32768

SF 500.1300222 MHz

MDM no

SSB 0

LB 0.00 Hz

GB 0

PC 1.00

10 NMR plot parameters

CX 20.00 cm

F1P 4.002 ppm

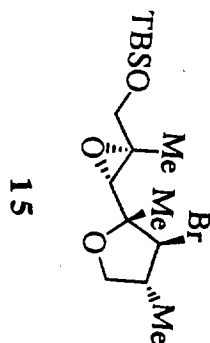
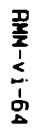
F1 2001.45 Hz

F2P 3.003 ppm

F2 1501.71 Hz

PPMCH 0.04996 ppm

HZCM 24.98697 Hz



15

F2 - Acquisition Parameters

Time **12.55**

PROBHD 5 mm broadband

TD	32768
CONTRACT	

005

AD 1.6056820

UE	70.00
TE	300.0

SF01 500.1330008

SI	32768
----	-------

no
MDM

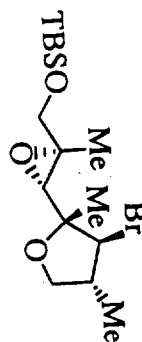
0.00 18

CX	20.00
----	-------

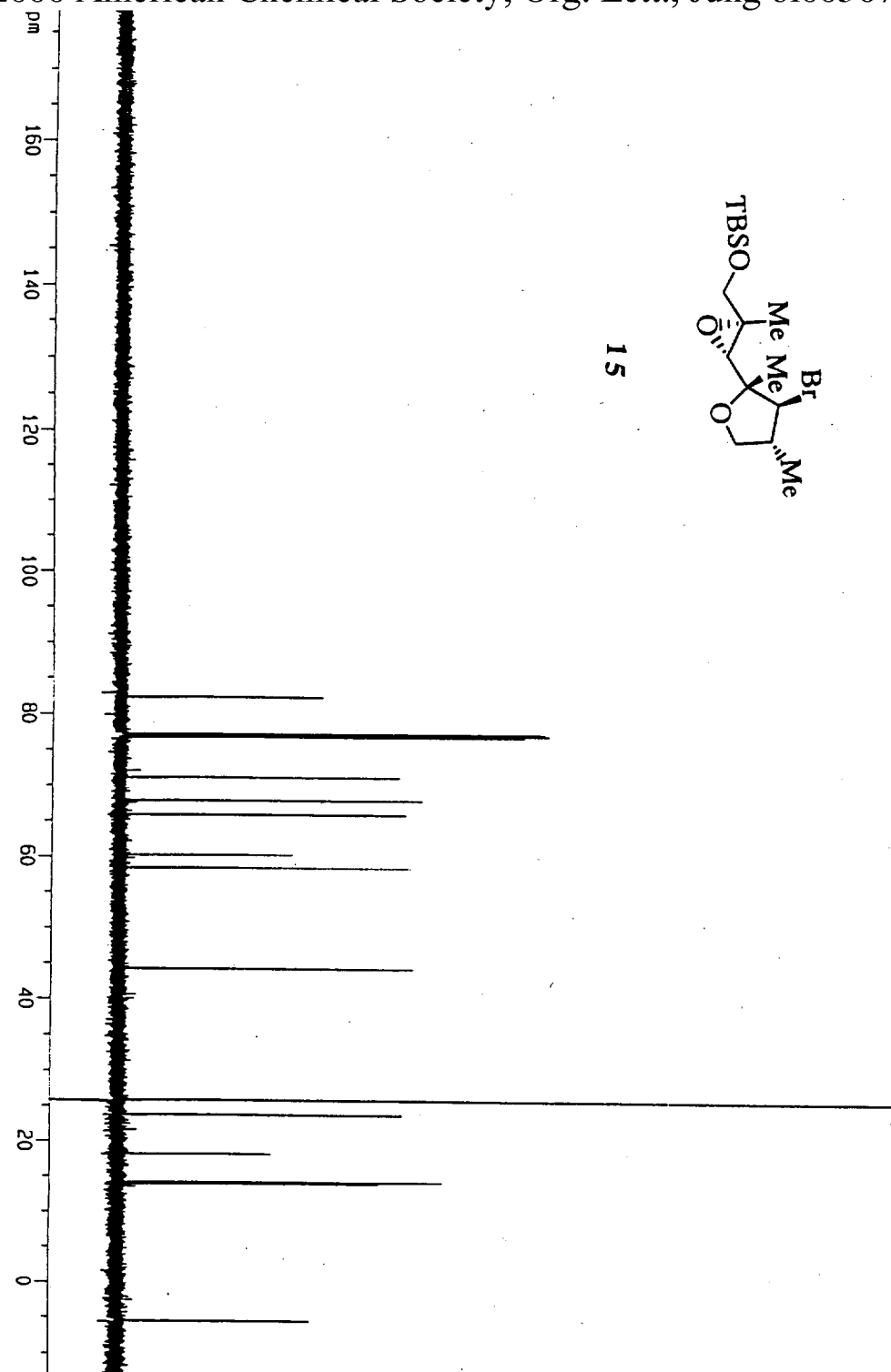
F1	747.50
----	--------

F2 -0.56

82.4079
77.1422
76.8880
76.6338
71.0801
67.8304
65.8112
65.8022
65.7905
60.2124
58.3226
44.1918
25.7534
25.7443
25.7356
25.7271
25.7182
25.7073
23.6907
18.1569
14.1705
13.8842
-5.5036
-5.5168



15



```

F2 - Acquisition Parameters
Date_ 980810
Time 13.05

```

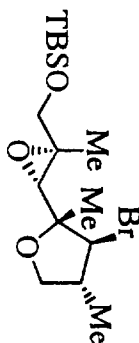
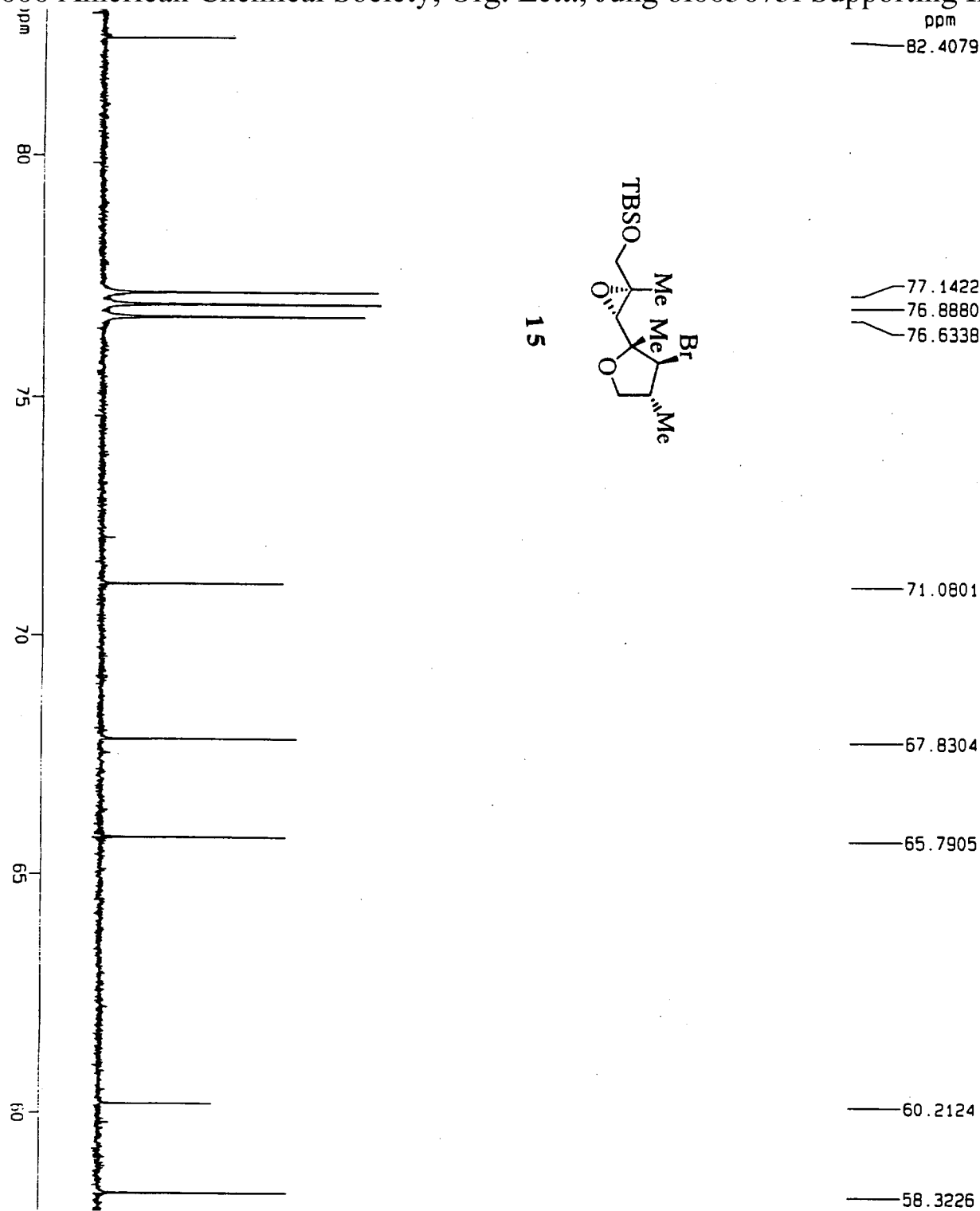
PROBHD	5 mm broadb
PULPH06	zgdc 30
T0	65536
SOLVENT	CDC13
NS	176
OS	0
SMH	35714.285 Hz
FIDRES	0.544957 Hz
AQ	0.9175540 sec
RG	32768
DM	14 000 usec
DE	20.00 usec
TE	300.0 K
O12	0.0000200 sec
OL5	16.00 dB
CPDPHG	waltz16
31	100.00 usec
O1	2 00000000 sec
P1	7.25 usec
SFO1	125.7728999 MHz
NUCLEUS	13C
O11	0.0300000 sec

S1	65536
SF	125.7578090 MHz

MDM	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.40

CX	20.00 cm
F1P	179 557 ppm

F1	22580	69	Hz
F2P	-13	219	ppm
F2	-1662	45	Hz
PPMCM	9	63082	ppm/cm
HZCM	1212	15690	Hz/cm



15

RMM-v i-64

Current Data Parameters	
NAME	RMH-V-64-C
EXPNO	1
PRDCNO	1

F2 - Acquisition Parameters

Time 13 05

PROBHD 5 mm broadba

10 65536

Category	Count
NS	175

03 35714 285

FIDURS	0.544957
AD	0.9175540

AG	32768
DM	14.000

DE	20 00
TE	200 0

D12	0.0000200
-----	-----------

CPDPRG wjltz16

D1 2 00000000()

SF01 125.7728994

00000000	1.00
D11	0.0300000

F2 - Processing parameters

51	6:5536
SF	125 7578090

MDM
SSR

000
000
000

PC 1 40

10 NMR plot parameters

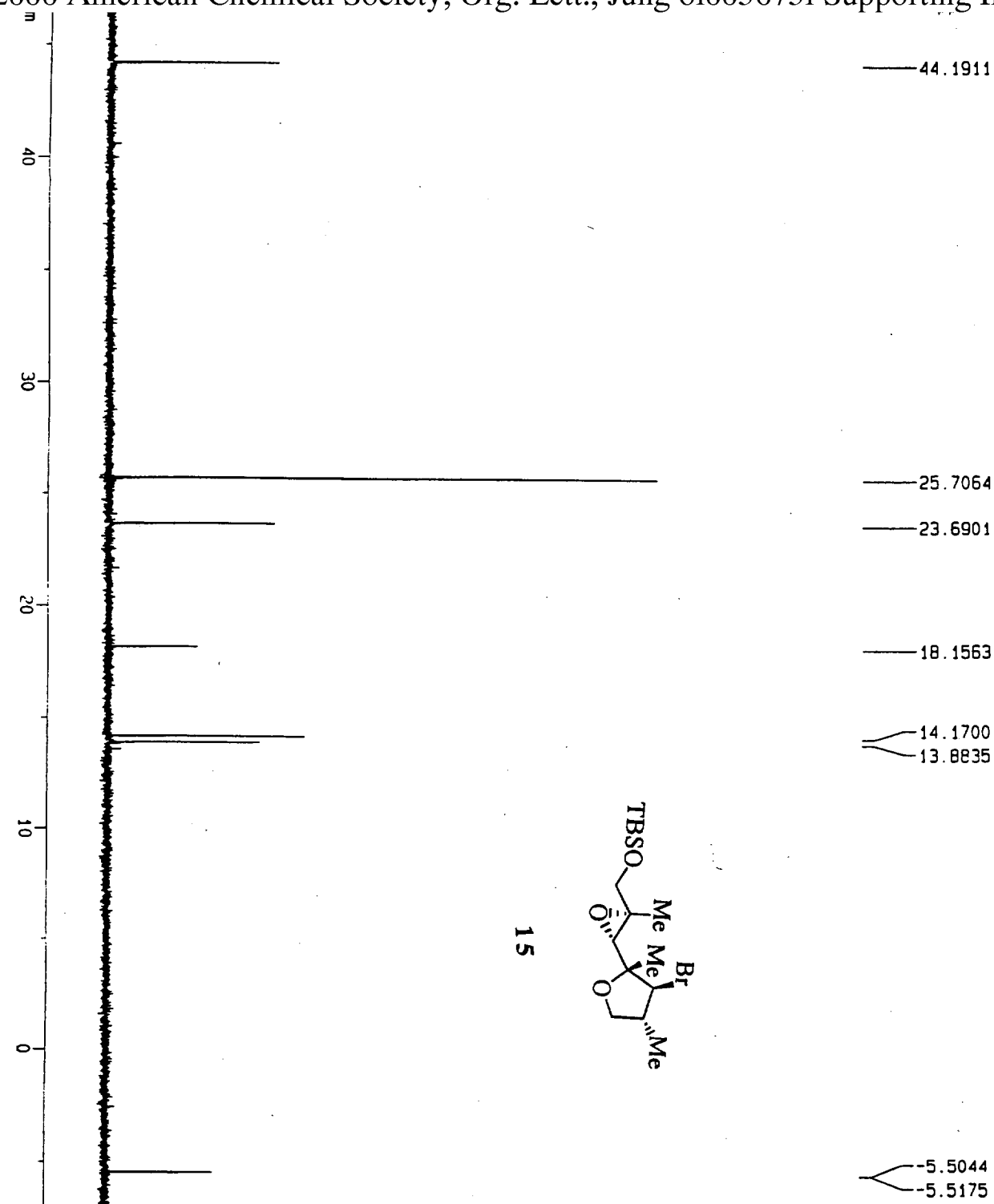
83 117

57 951

1. 250029

156.23952

RMH-v1-64

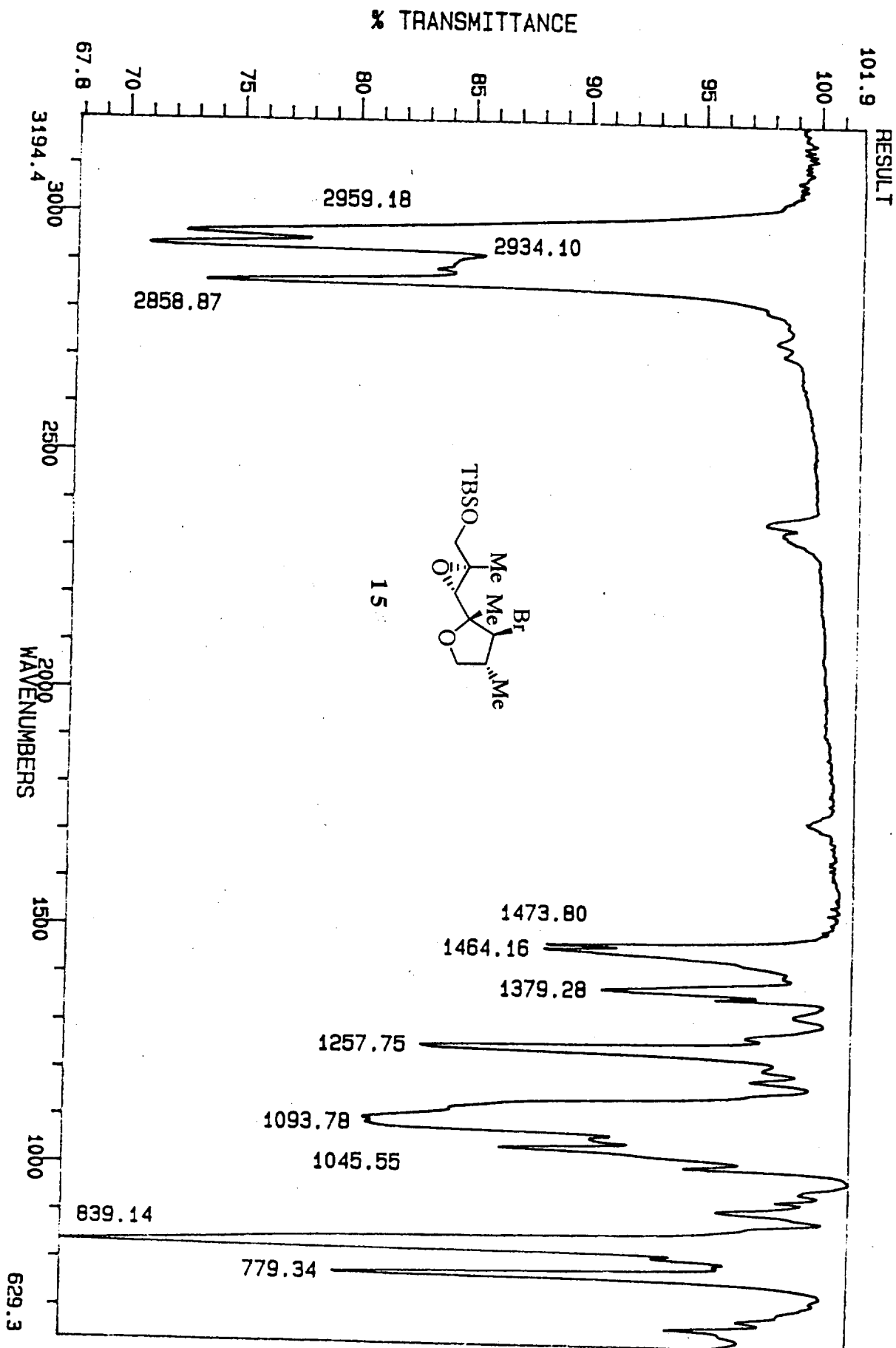


Current Data Parameters
 NAME RMH-v-64-C
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 980810
 Time 13.05
 INSTRUM arx500
 PROBHD 5 mm broadba
 PULPROG zgpg30
 TO 65536
 SOLVENT CDCl3
 NS 176
 DS 0
 SMH 35714.285 Hz
 FIDRES 0.544957 Hz
 AQ 0.9175540 sec
 RG 32768
 DM 14.000 usec
 DE 20.00 usec
 TE 300.0 K
 D12 0.0000200 sec
 DL5 16.00 dB
 CPDPRG waltz16
 P31 100.00 usec
 D1 2.00000000 sec
 P1 7.25 usec
 SFO1 125.7728999 MHz
 NUCLEUS 13C
 D11 0.0300000 sec

F2 - Processing Parameters
 SI 65536
 SF 125.7578090 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.40

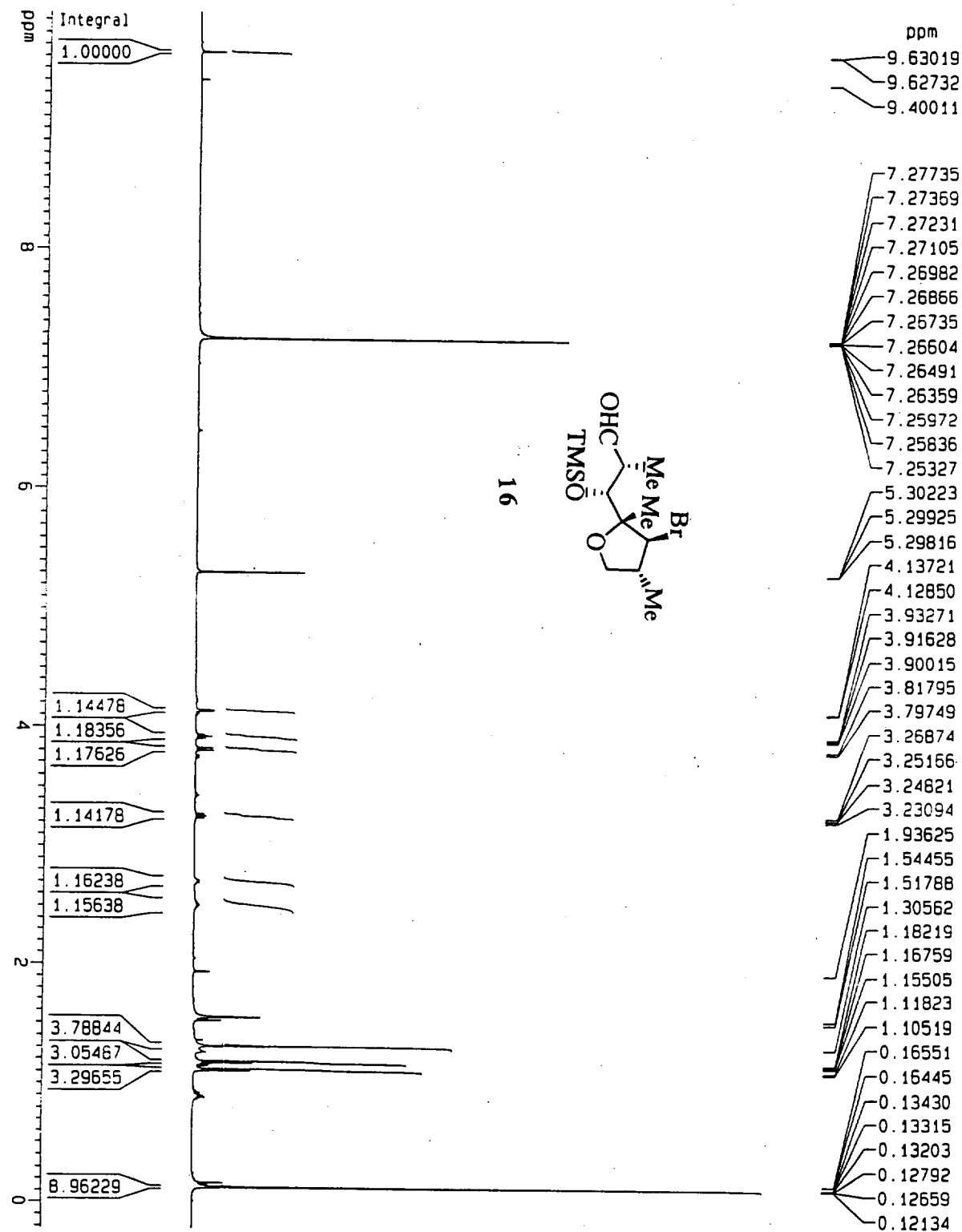
10 NMR Plot Parameters
 CX 20.00 cm
 F1P 47.423 ppm
 F1 5963.87 Hz
 F2P -7.019 ppm
 F2 -882.70 Hz
 PPMCM 272212 ppm/cm
 HZCM 342.32814 Hz/cm



RMM-V1-64

SCANS: 32 RES: 4.0 TIME: 08/10/98 13:19:08

RMM-v1-99



Current Data Parameters

NAME RMM-v1-99-2

EXPNO 1

PROCNO 1

F2 - Acquisition Parameters

Date_ 980810

Time 19.28

INSTRUM arx500

PROBHD 5 mm broadba

PULPROG zg30

TD 32768

SOLVENT CDCl3

NS 40

DS 0

SWH 10204.082 Hz

FIDRES 0.311404 Hz

AQ 1.6056820 sec

RG 1024

DW 49.000 use

DE 70.00 use

TE 300.0 K

D1 2.0000000 sec

P1 14.00 use

SFO1 500.1330008 MHz

NUCLEUS 1H

F2 - Processing parameters

SI 32768

SF 500.1300235 MHz

WDW no

SSB 0

LB 0.00 Hz

GB 0

PC 1.00

1D NMR plot parameters

CX 20.00 cm

F1P 9.962 ppm

F1 4982.08 Hz

F2P -0.217 ppm

F2 -108.69 Hz

PPHQM 0.50895 ppm

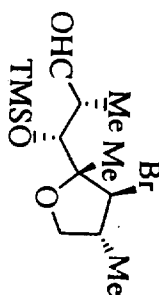
HZCM 254.53891 Hz/

RMM-v1-99

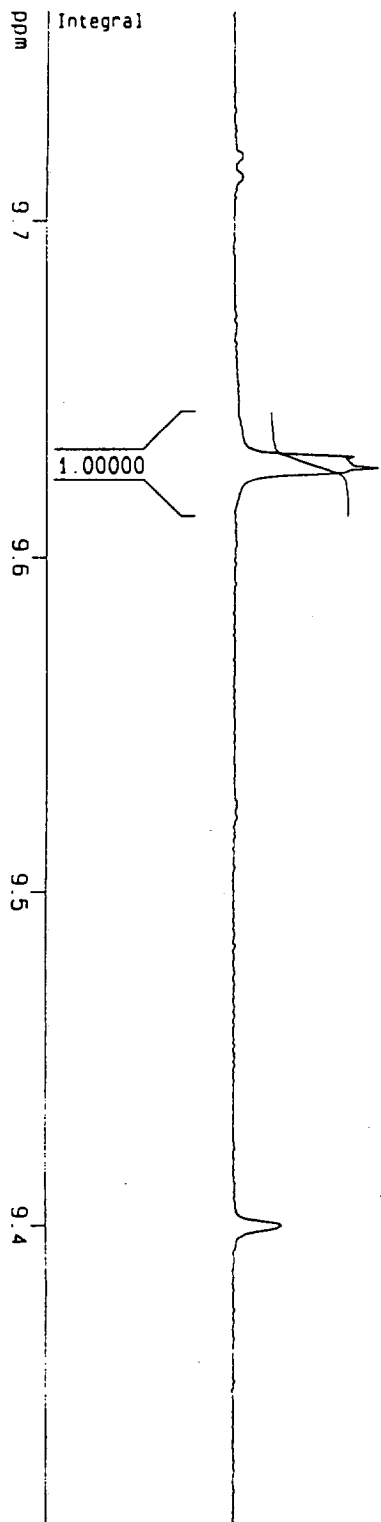
ppm

9.63019
9.62732

9.40011



16



Current Data Parameters
NAME RMM-v1-99-2
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 980810
Time 19.28

INSTRUM arx500
PROBHD 5 mm broadba
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 40
DS 0

SWH 10204.082 Hz
FIDRES 0.311404 Hz
AQ 1.6056820 sec

RG 1024
DM 49.000 use
DE 70.00 use
TE 300.0 K

D1 2.0000000 sec
P1 14.00 use
SF01 500.1330008 MHz
NUCLEUS 1H

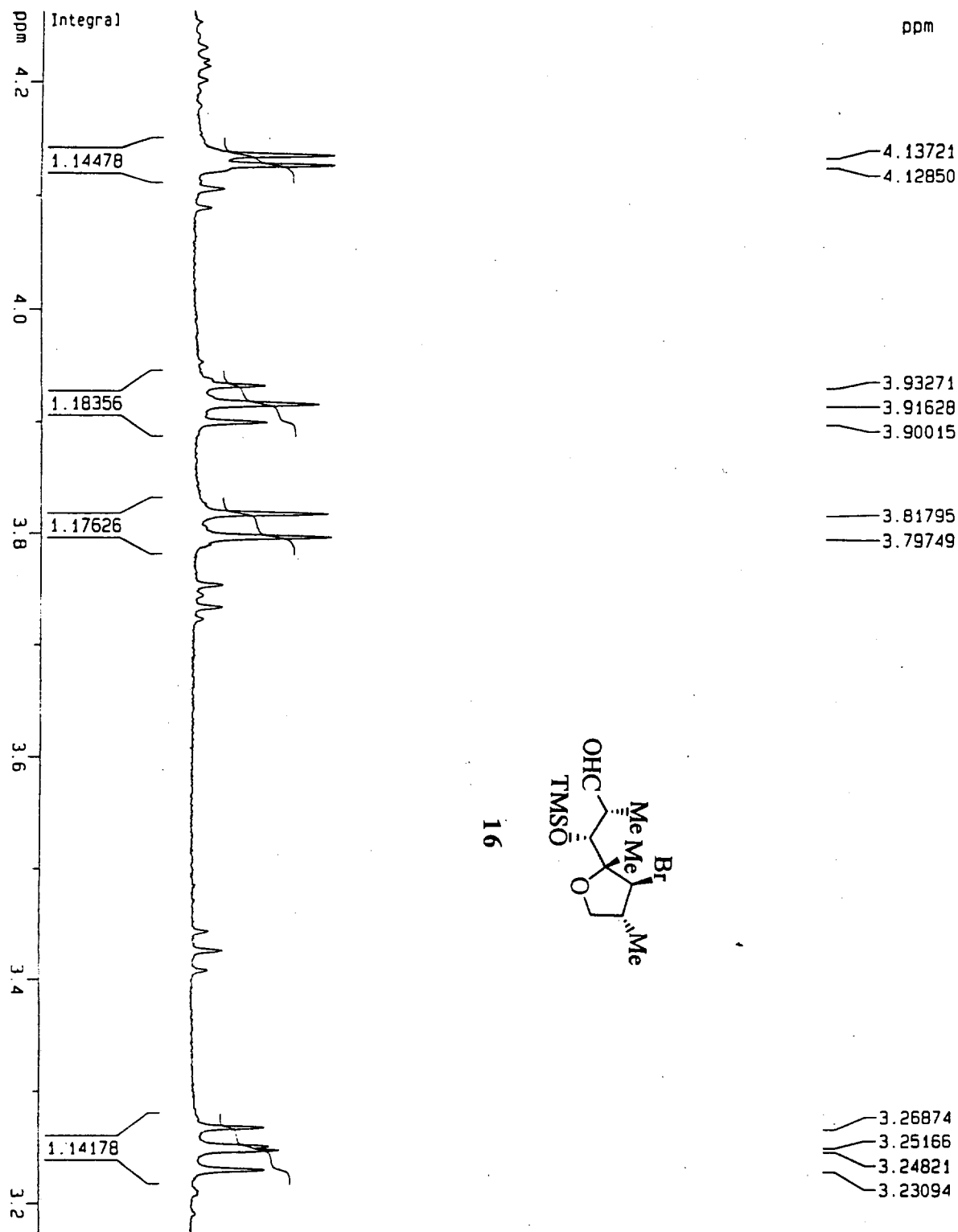
F2 - Processing Parameters

SI 32768
SF 500.1300235 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 20.00 cm
F1P 9.752 ppm
F1 40882.10 Hz
F2P 9.310 ppm
F2 4656.15 Hz
PPMCM 0.02759 ppm
HZCM 11.29747 Hz/

RMN-VI-99



Current Data Parameters
NAME RMN-VI-99-2
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 980810
Time 19.28

INSTRUM arx500
PROBHD 5 mm broadba
PULPROG zg30

TD 32768
SOLVENT CDCl3
NS 40

DS 0
SMH 10204.082 HZ
FIDRES 0.311404 HZ

AQ 1.6056820 sec
RG 1024

DM 49.000 use
DE 70.00 use
TE 300.0 K

D1 2.00000000 sec
P1 14.00 use
SF01 500.1330008 MHz
NUCLEUS 1H

F2 - Processing parameters
SI 32768

SF 500.1300235 MHz
WDW no
SSB 0

LB 0.00 HZ
GB 0
PC 1.00

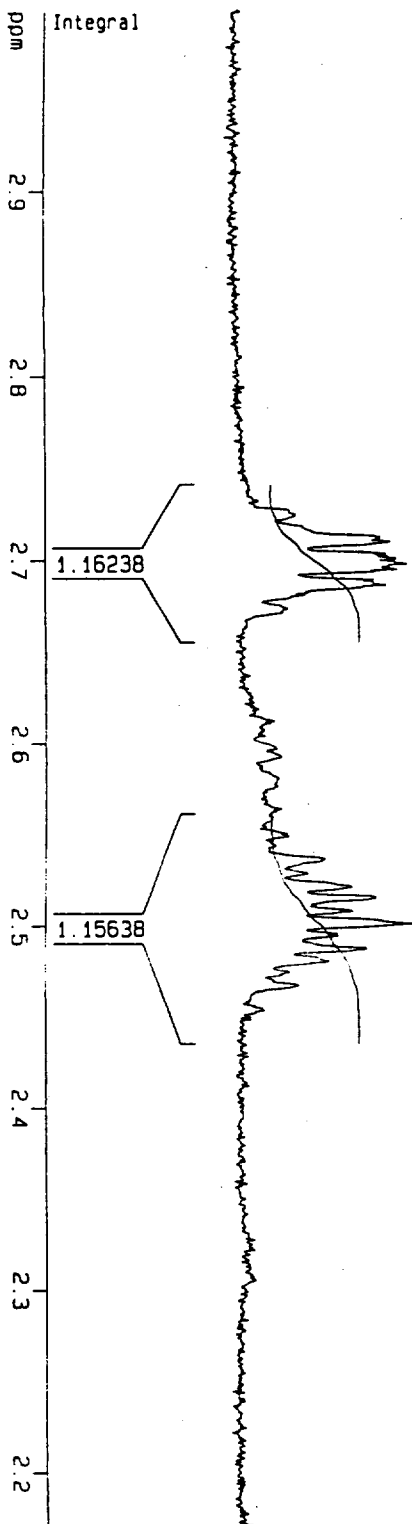
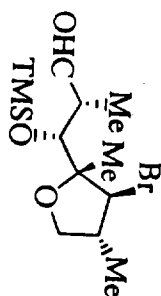
1D NMR plot parameters
CX 20.00 cm

F1P 4.262 ppm
F1 2131.70 HZ
F2P 3.174 ppm

F2 1587.41 HZ
PPMCH 0.05441 ppm
HZCM 27.21413 HZ

RMM-VI-99

2.72510
2.71015
2.70131
2.69857
2.69555
2.68676
2.67359
2.59294
2.58068
2.56467
2.54933
2.53713
2.52924
2.52235
2.51629
2.50878
2.50176
2.49494
2.48831
2.48113
2.47513
2.46758



Current Data Parameters
NAME RMM-VI-99-2
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date_ 980810
Time 19.28
INSTRUM arx500

PROBHD 5 mm broadba
PULPROG zg30

TD 32768
SOLVENT CDCl3

NS 40

DS 0

SMH 10204.082 Hz

FIDRES 0.311404 Hz

AQ 1.6056920 sec

RG 1024

DM 49.000 use

DE 70.00 use

TE 300.0 K

D1 2.0000000 sec

P1 14.00 use

SFO1 500.130008 MHz

NUCLEUS 1H

F2 - Processing parameters

SI 32768

SF 500.1300235 MHz

WDW no

SSB 0

LB 0.00 Hz

GB 0

PC 1.00

1D NMR plot parameters

CX 20.00 cm

F1P 2.997 ppm

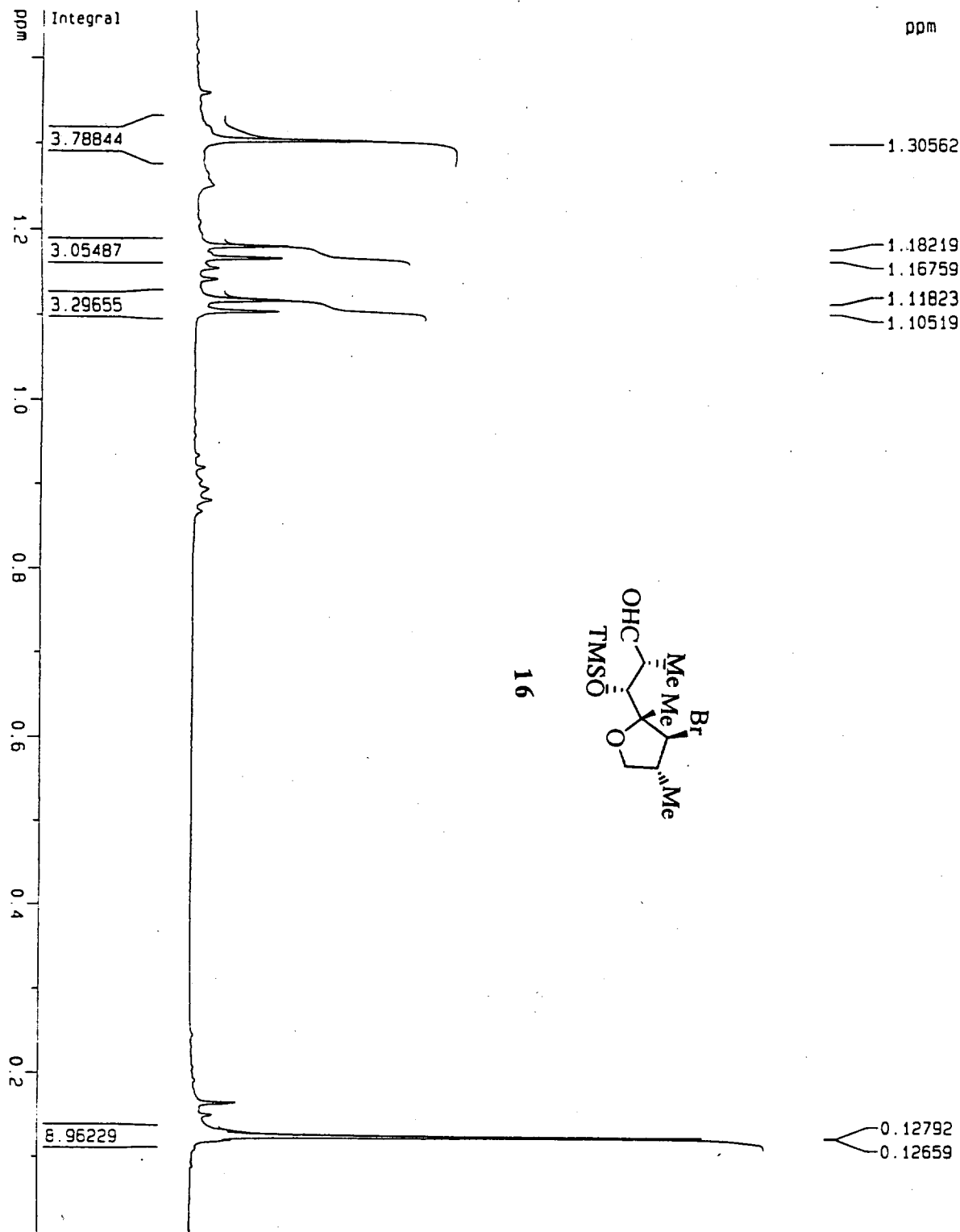
F1 1499.10 Hz

F2P 2.171 ppm

F2 1085.78 Hz

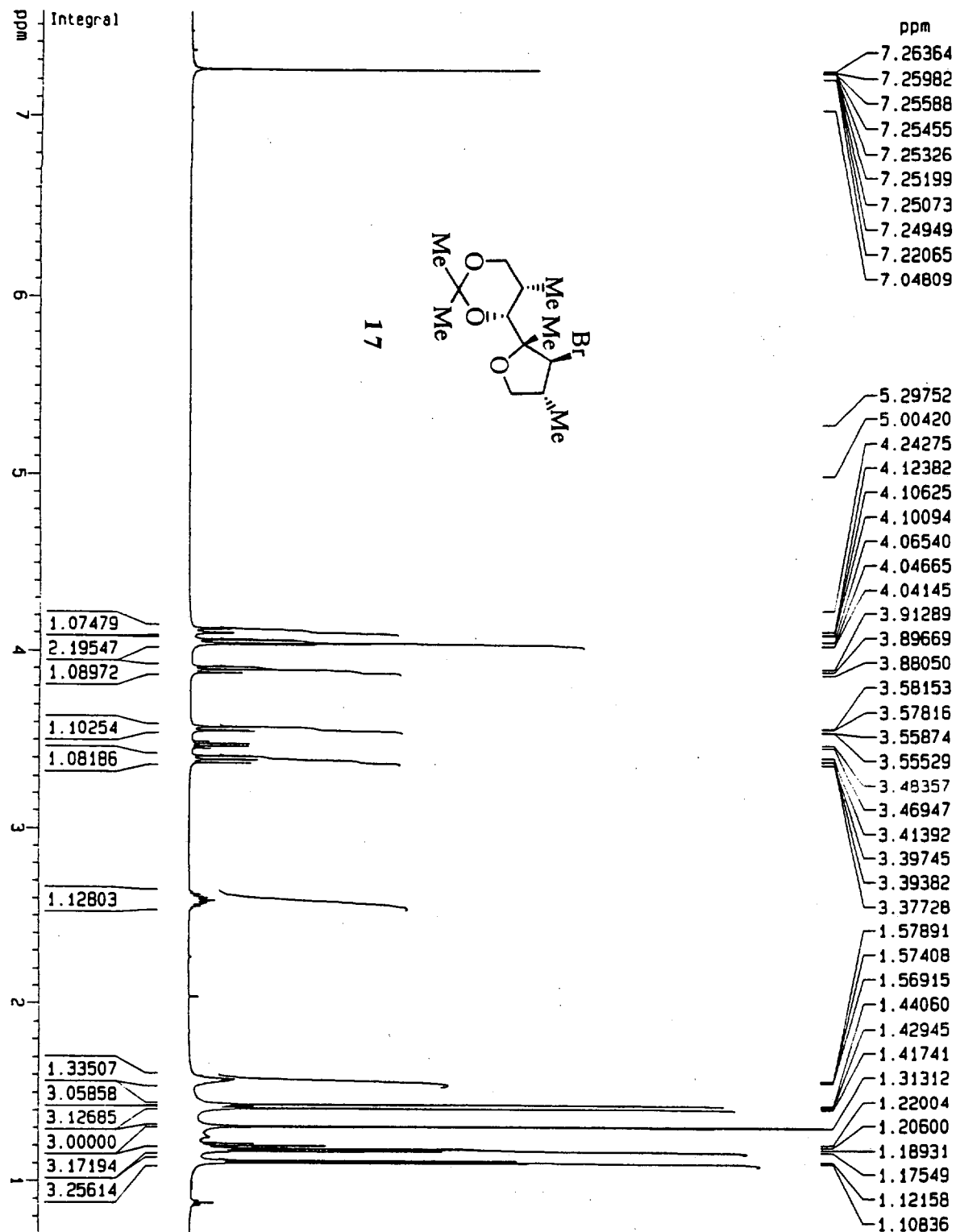
PPMCM 0.04132 ppm

HZCM 20.60592 Hz/



RMN-vi-99

Current Data Parameters	
NAME	RMN-vi-99-2
EXPNO	1
PROCNO	1
F2 - Acquisition Parameters	
Date_	980810
Time	19 28
INSTRUM	arx500
PROBHD	5 mm broadha
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	40
DS	0
SWH	10204.082 Hz
FIDRES	0.311404 Hz
AQ	1.6056820 sec
RG	1024
DW	49.000 use
DE	70.00 use
TE	300.0 K
D1	2.00000000 sec
P1	14.00 use
SFO1	500.133008 MHz
NUCLEUS	1H
F2 - Processing parameters	
SI	32768
SF	500.1300235 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.00
1D NMR plot parameters	
CX	20.00 cm
F1P	1.456 ppm
F1	727.97 Hz
F2P	0.010 ppm
F2	5.02 Hz
PPMCM	0.07228 ppm
HZCM	36.14766 Hz



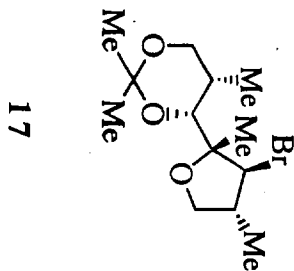
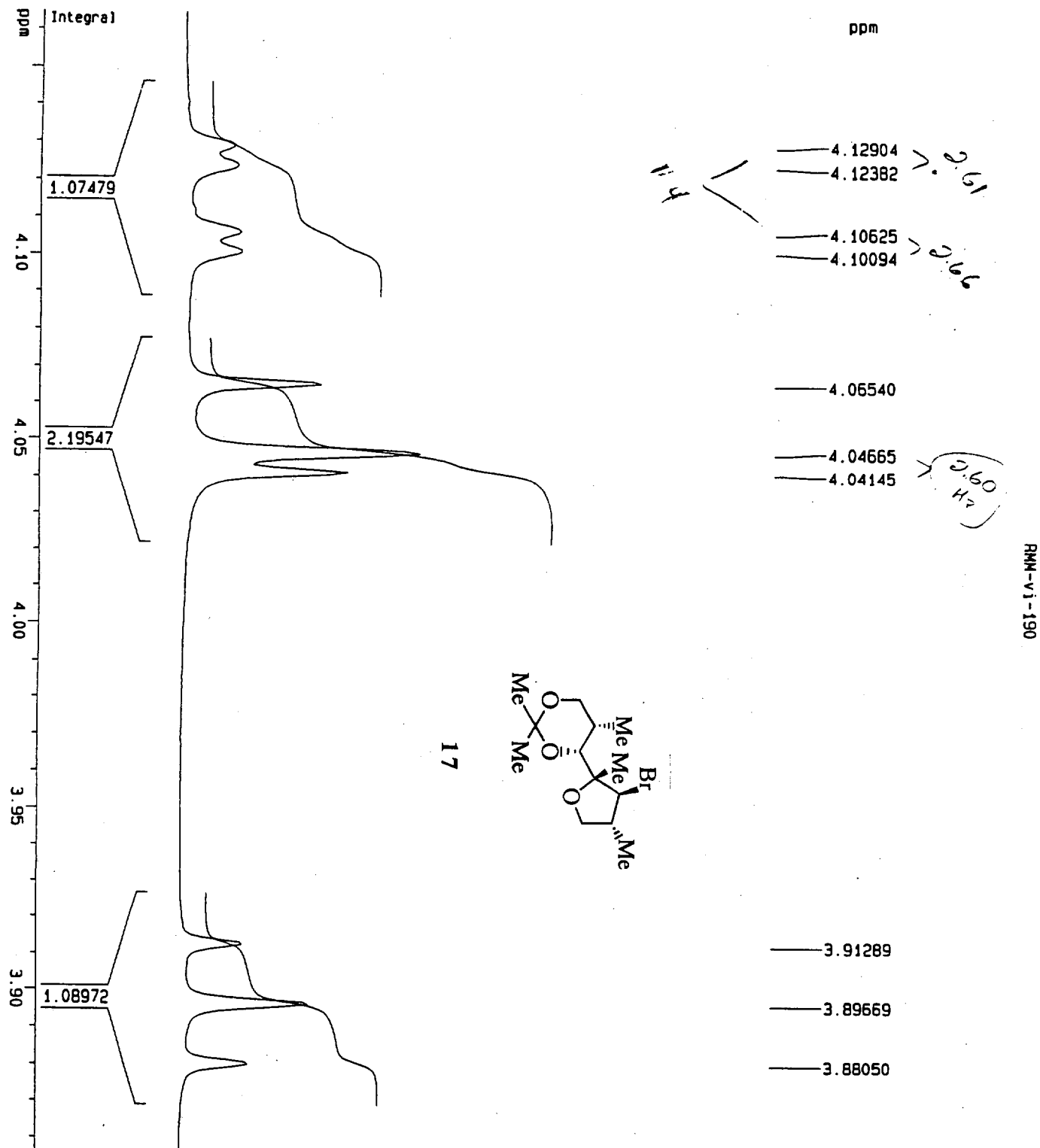
RM-1-190

Current Data Parameters
NAME RM-1-190
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 980920
Time 22.07
INSTRUM arx500
PROBHD 5 mm broadband
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SMH 10204.082 Hz
FIDRES 0.31404 Hz
AQ 1.6056820 sec
RG 715
DM 49.000 use
DE 70.00 use
TE 300.0 K
D1 2.00000000 sec
P1 14.00 use
SF01 500.133008 MHz
NUCLEUS 1H

F2 - Processing parameters
SI 32768
SF 500.1300232 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
F1P 7.575 ppm
F1 3788.54 Hz
F2P 0.707 ppm
F2 353.39 Hz
PPMCH 0.34343 ppm
HZCM 171.75746 Hz/

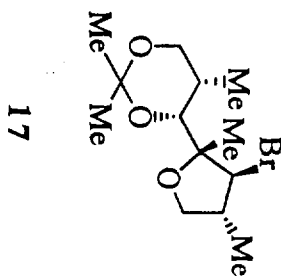


17

Current Data Parameters	
NAME	RMN-vi-190
EXPNO	1
PROCNO	1
F2 - Acquisition Parameters	
Date_	980920
Time	22.07
INSTRUM	arx500
PROBHD	5 mm broadba
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	32
DS	0
SMH	10204.082 Hz
FIDRES	0.31404 Hz
AQ	1.6056820 sec
RG	715
DM	49.000 usec
DE	70.00 usec
TE	300.0 K
D1	2.00000000 sec
P1	14.00 usec
SFO1	500.1330008 MHz
NUCLEUS	1H
F2 - Processing parameters	
SI	32768
SF	500.1300232 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.00
1D NMR plot parameters	
CX	20.00 cm
F1P	4.165 ppm
F1	2083.07 Hz
F2P	3.856 ppm
F2	1928.67 Hz
PPMCM	0.01544 ppm
HZCM	7.71996 Hz/

RMN-vi-190

ppm



3.58153
3.57816

3.55874
3.55529

3.48357

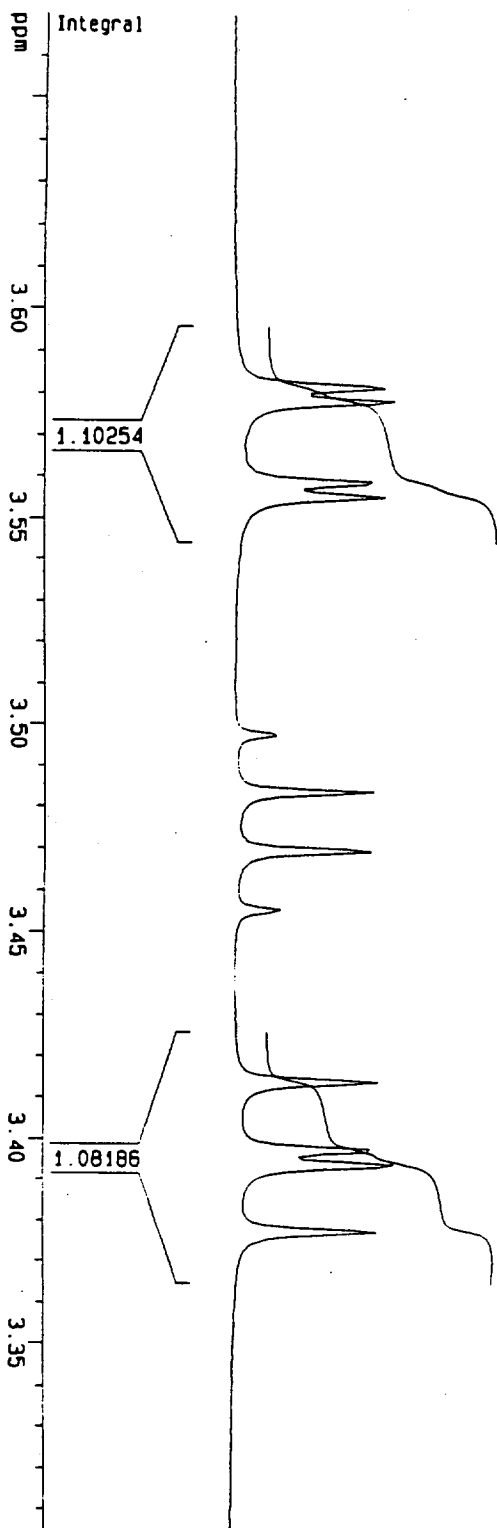
3.46947

3.41392

3.39745

3.39382

3.37728



Current Data Parameters
NAME RMN-vi-190
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date_ 980920
Time 22.07
INSTRUM arx500
PROBHD 5 mm broadba
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SMH 10204.082 Hz
FIDRES 0.311404 Hz
AQ 1.6056820 sec
RG 715
DM 49.000 use
DE 70.00 use
TE 300.0 K
D1 2.00000000 sec
P1 14.00 use
SF01 500.1330008 MHz
NUCLEUS ¹H

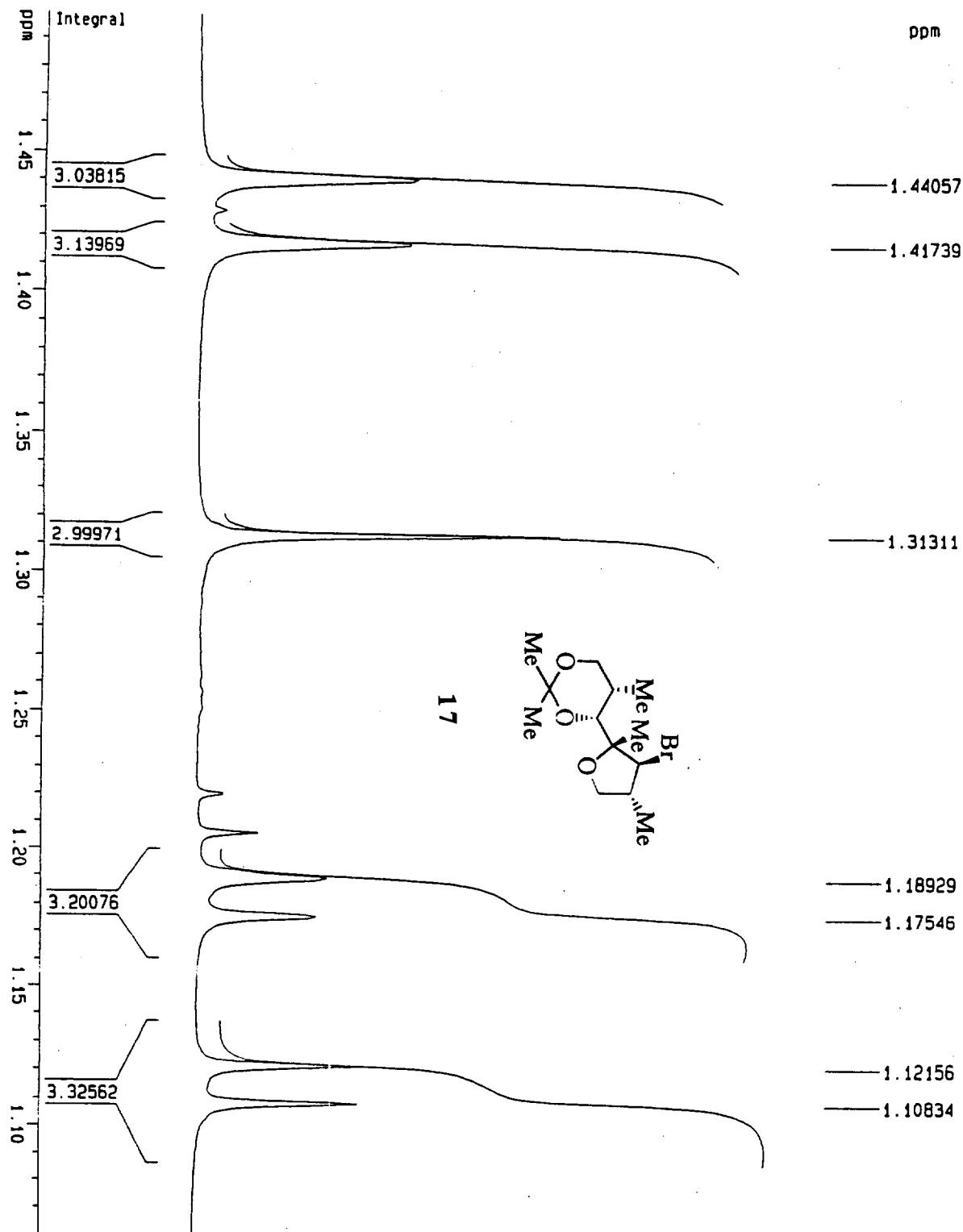
F2 - Processing parameters

SI 32768
SF 500.1300232 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 20.00 cm
F1P 3.670 ppm
F1 1835.45 Hz
F2P 3.305 ppm
F2 1652.76 Hz
PPMCH 0.01875 ppm
HZCH 9.13441 Hz/

RNM-vi-190



Current Data Parameters

NAME	RNM-vi-190
EXPNO	1
PROCNO	1

F2 - Acquisition Parameters

Date_	980920
Time	22.07
INSTRUM	arrx500
PROBHD	5 mm broadba
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	32
DS	0
SMH	10204.082 Hz
FIDRES	0.311404 Hz
RG	1.6056820 sec
DM	715
DE	49.000 use
TE	70.00 use
D1	300.0 K
P1	2.00000000 sec
SFO1	14.00 use
NUCLEUS	500.133008 MHz
	1H

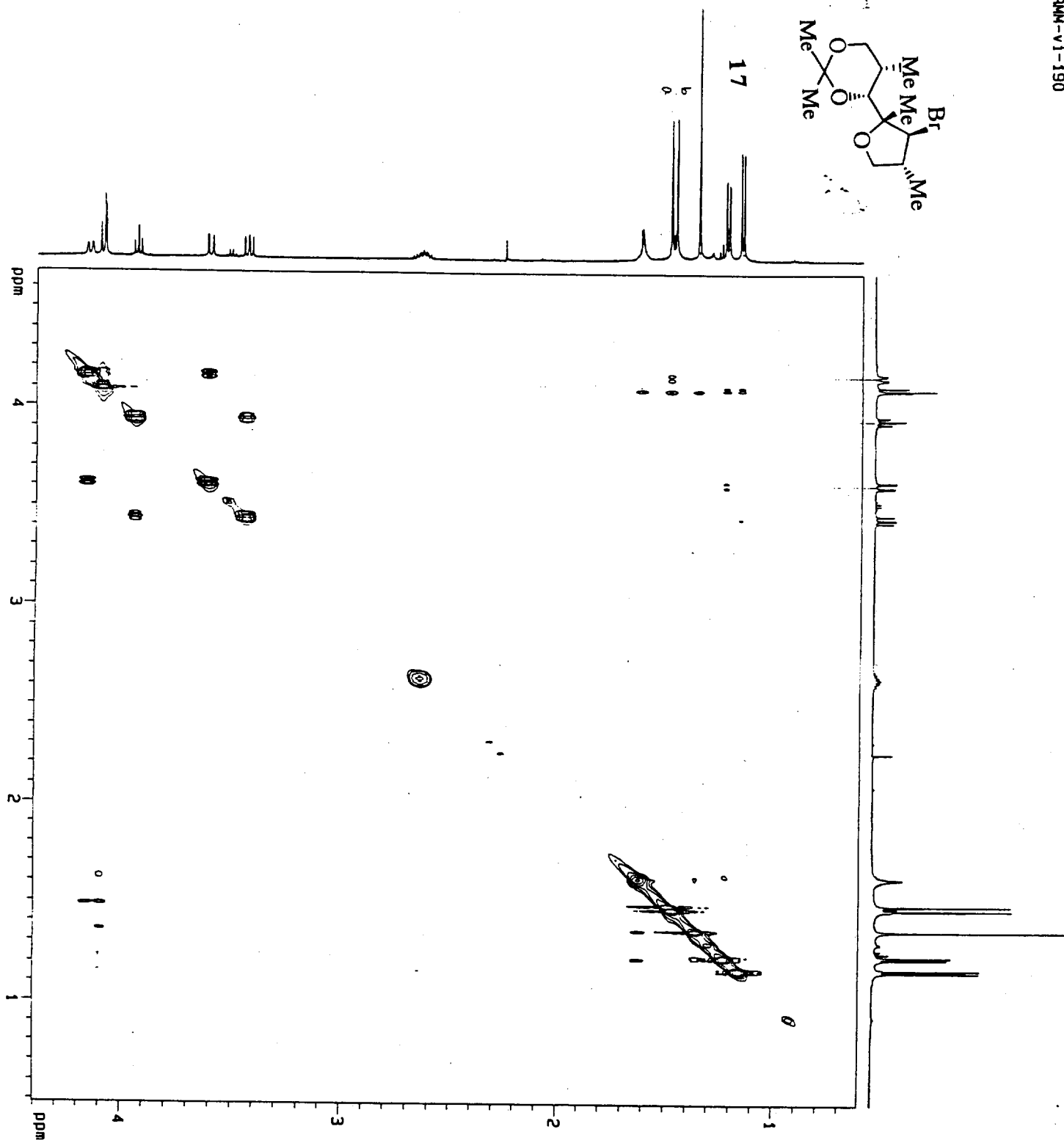
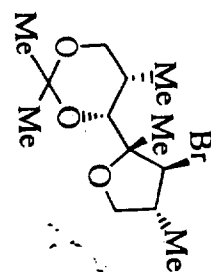
F2 - Processing parameters

SI	32768
SF	500.1300232 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.00

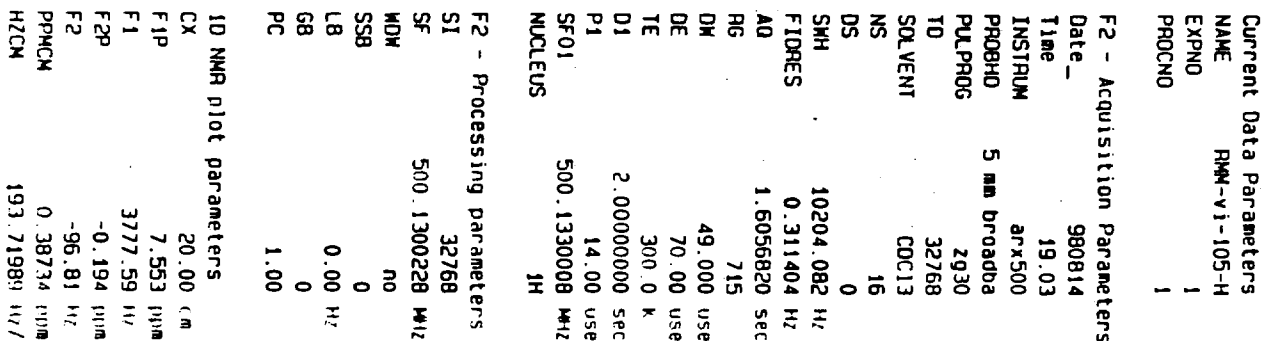
1D NMR plot parameters

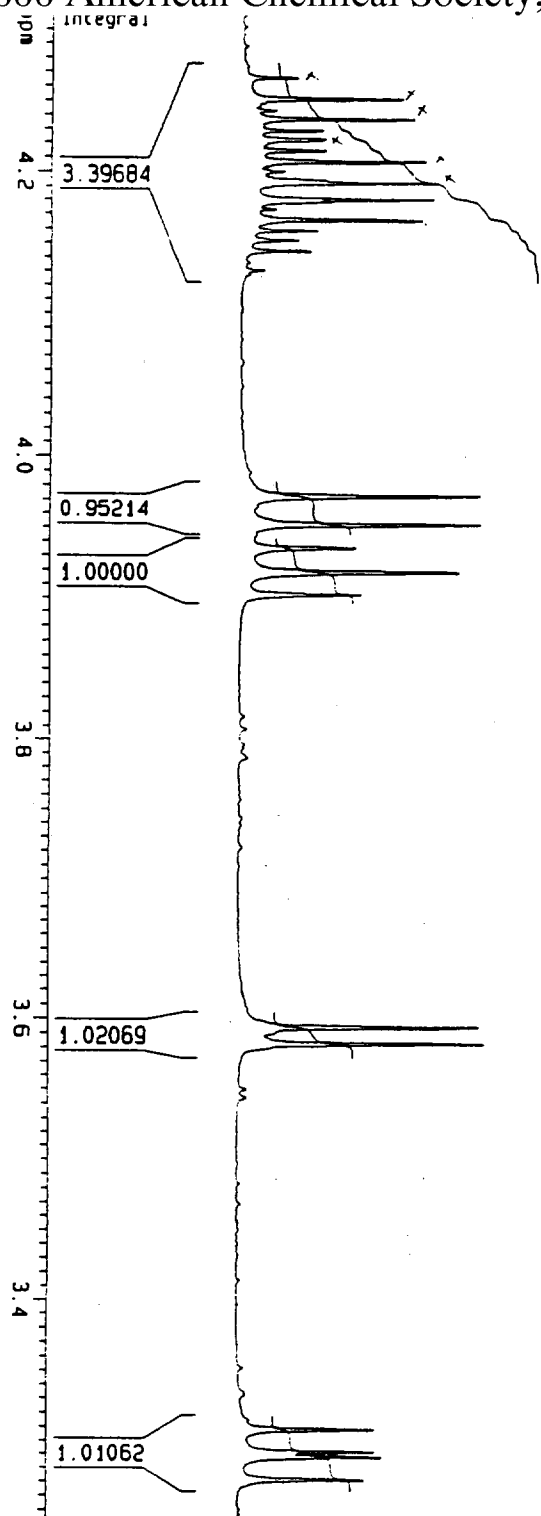
CX	20.00 cm
F1P	1.499 ppm
F1	749.83 Hz
F2P	1.061 ppm
F2	530.41 Hz
PPMCM	0.02194 ppm
HZCM	10.97142 Hz

RM-V1-190

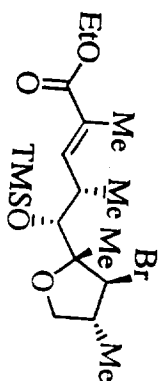


Current Data Parameters	
NAME	RM-V1-190-36
EXPNO	1
PROCNO	1
F2 - Acquisition Parameters	
Date_	980926
Time	19.47
INSTRUM	bruk500
PROBHD	5 mm broadba
PULPROG	noesy31a
TD	1000
SOLVENT	CDCl3
NS	8
DS	4
SWH	2525.292 Hz
FIDRES	2.526253 Hz
AQ	0.190500 sec
RG	512
DM	198.000 usec
DE	247.50 usec
TE	300.0 K
D1	2.00000000 sec
D11	0.0300000 sec
P1	14.00 usec
DO	0.0000000 sec
DB	1.35000002 sec
SD11	500.131441 MHz
NUC1EUS	^{13}C
IN	128
LN	0.00036600 sec
F1 - Acquisition Parameters	
NO	1
TD	256
SF01	500.1313 MHz
FIDRES	9.864309 Hz
SN	5.049 (rms)
F2 - Processing Parameters	
SI	1024
SF	500.130000 MHz
MD	fft
SSB	2
LB	0.00 Hz
GB	0
PC	1.00
F1 - Processing Parameters	
SI	512
WDW	States (pp1)
SS	500.130000 MHz
WDW	fft
SSB	2
LB	0.00 Hz
GB	0
2D NMR plot parameters	
CK2	15.00 cm
CK1	15.00 cm
F2A0	4.679 ppm
F2A0	2140.35 Hz
F2M1	0.483 ppm
F2M1	241.72 Hz
F1A0	4.403 ppm
F1A0	2262.25 Hz
F1M1	0.607 ppm
F1M1	643.37 Hz
F2M1M	0.27374 Hz
F2M1M	119.30819 Hz
F1M1M	0.27312 Hz
F1M1M	126.54196 Hz





18



RNM-vi-105

Current Data Parameters
NAME RNM-vi-105-H
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date_ 980814
Time 19.03
INSTRUM arx500
PROBHD 5 mm broadband
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16

SMH 10204.082 Hz
FIDRES 0.311404 Hz
AQ 1.6056820 sec

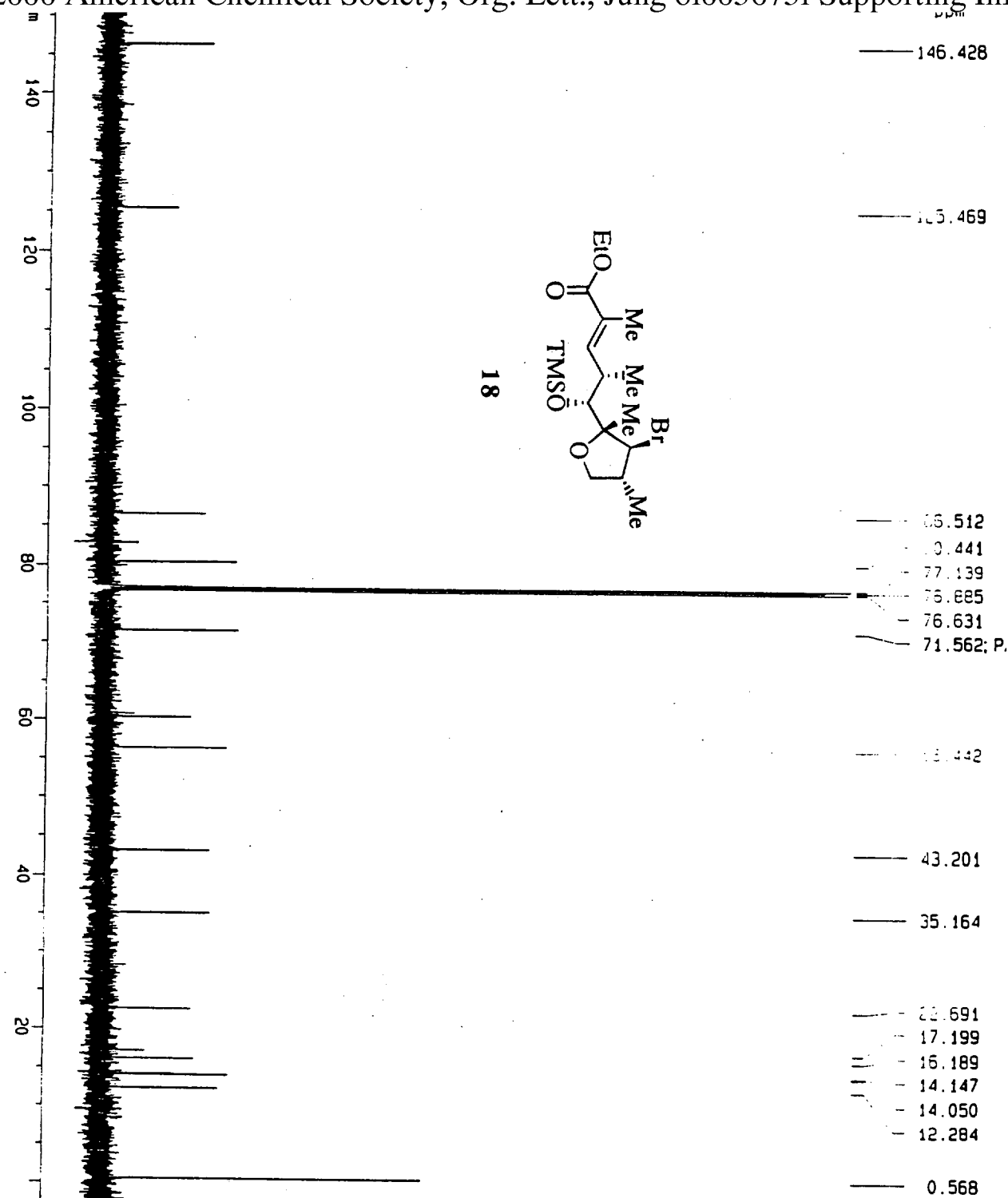
RG 715
DM 49.000 use
DE 70.00 use
TE 300.0 K
D1 2.0000000 sec
P1 14.00 use
SF01 500.133008 MHz
NUCLEUS 1H

F2 - Processing parameters

SI 32768
SF 500.1300228 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 20.00 cm
F1P 4.315 ppm
F1 2157.96 Hz
F2P 3.243 ppm
F2 1621.72 Hz
PPMCM 0.05161 ppm
HZCM 26.81207 Hz/



Current Data Parameters

NAME	RMN-V1-105
EXPNO	1
PROCNO	1

F2 - Acquisition Parameters

Date_	Time
15.12	15.12

INSTRUM

PROBHD	5 mm broadb
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	184
DS	0
SWH	35714.285 Hz
FIDRES	0.544957 Hz
AQ	0.9175540 sec
RG	16384
DM	14.000 usec
DE	20.00 usec
TE	300.0 K
D12	0.0000200 sec
DELTA	16.00 dB
CPDPRG	waltz16
P31	100.00 usec
D1	2.0000000 sec
P1	7.25 usec
SFO1	125.7728999 MHz
NUCLEUS	13C
D11	0.0300000 sec

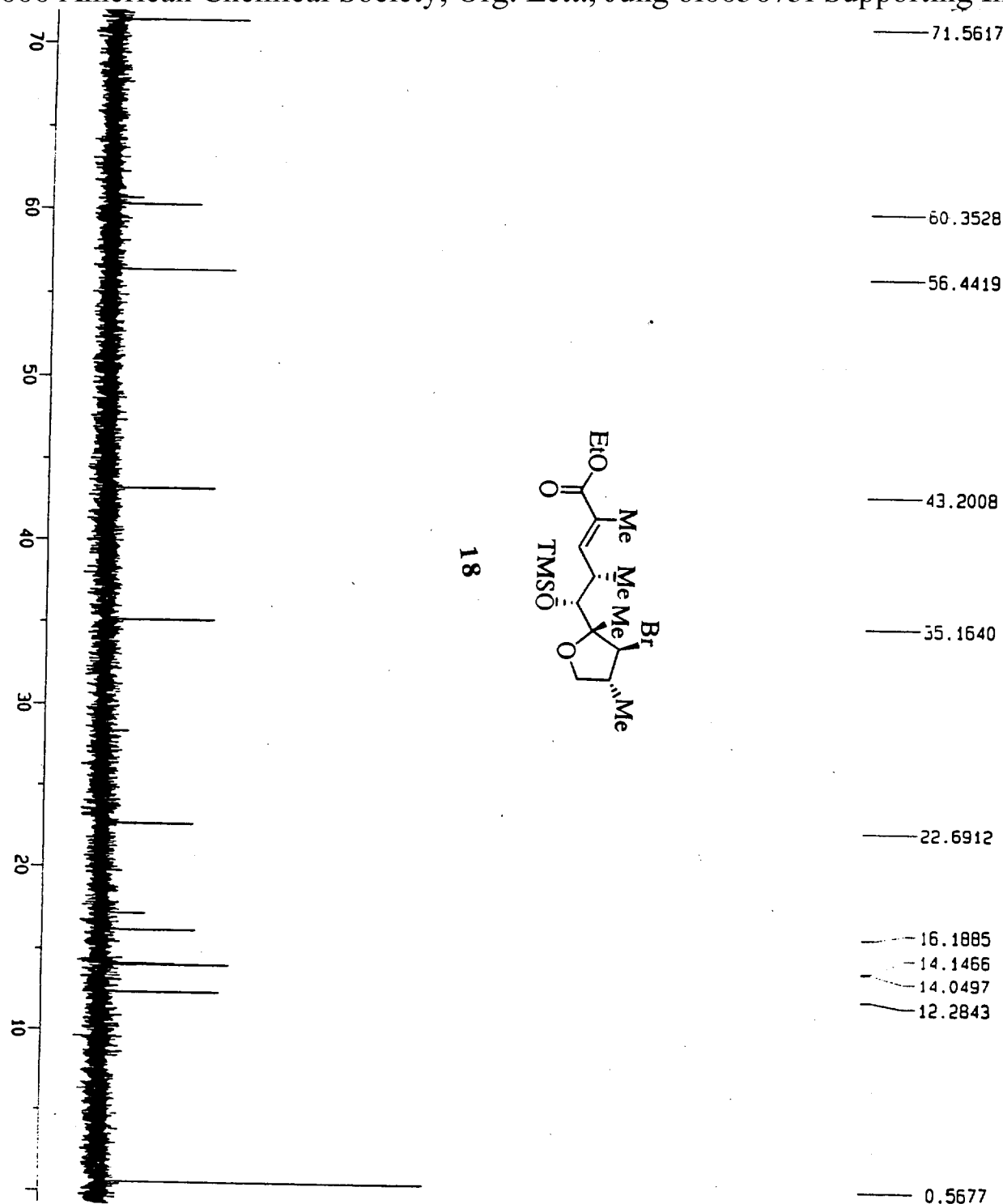
F2 - Processing parameters

SI	65536
SF	125.7578090 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.40

1D NMR plot parameters

CX	20.00 cm
F1P	153.052 ppm
F1	19247.50 Hz
F2P	-2.316 ppm
F2	-291.29 Hz
PPM/M	7.76842 ppm/cm
HZCM	976.93958 Hz/cm

RMN-vi-105



18

Current Data Parameters

NAME	RMN-vi-105
EXPNO	1
PROCNO	1

F2 - Acquisition Parameters

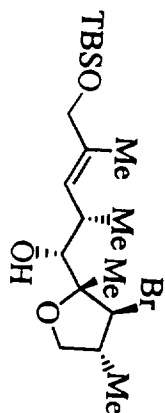
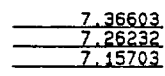
Date_	960814
Time	19.12
INSTRUM	acx500
PROBHD	5 mm broadba
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	184
DS	0
SMH	35714.285 Hz
FIDRES	0.544957 Hz
AQ	0.9175540 sec
RG	16384
DM	14.000 usec
DE	20.00 usec
TE	300.0 K
D12	0.0000200 sec
DL5	16.00 dB
CPDPRG	waltz16
P31	100.00 usec
D1	2.00000000 sec
P1	7.25 usec
SFO1	125.7728999 MHz
NUCLEUS	13C
D11	0.0300000 sec

F2 - Processing parameters

SI	65536
SF	125.7578090 MHz
MDM	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.40

1D NMR plot parameters

CX	20.00 cm
F1P	74.023 ppm
F1	9309.03 Hz
F2P	-0.711 ppm
F2	-89.45 Hz
PPMCM	3.73674 (ppm/cm)
HZCM	469.92383 (Hz/cm)



19

PMM-VI-217

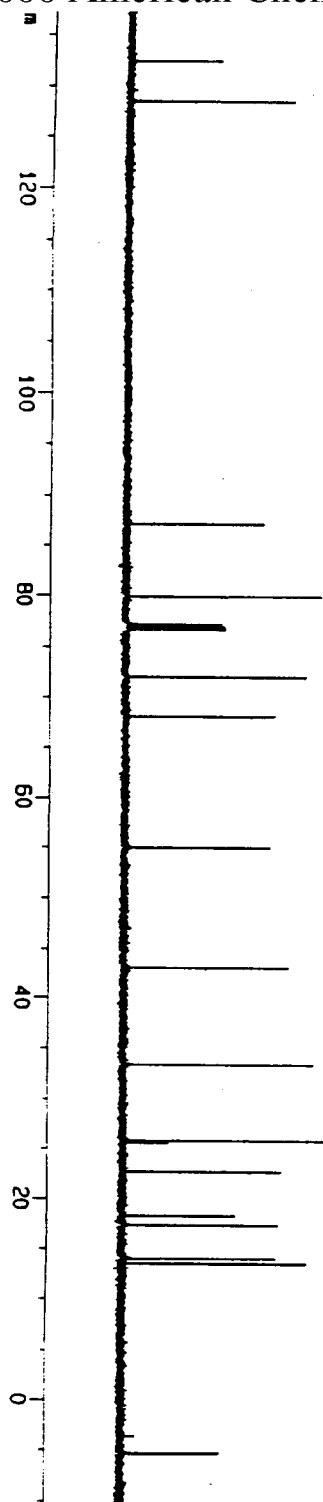
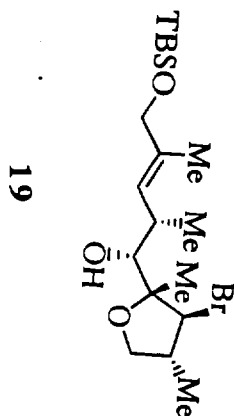
4 053
4 093
4 187
4 272
4 366
4 455
4 544
4 637
4 719
4 873
4 944
4 999
5 066
5 144
5 222
5 349
5 449
5 537
5 637
5 725
5 801
5 881
5 966
6 011
6 022
6 066
6 111
6 122
6 166
6 222
6 255
6 333
6 355
6 444
6 500
6 505
6 555
6 666
6 722
6 755
6 822
6 866
6 922
6 933
6 999
7 022
7 033
7 066
7 111
7 122
7 166
7 222
7 255
7 333
7 366
7 444
7 500
7 555
7 622
7 666
7 722
7 777
7 822
7 866
7 922
7 955
8 000
8 055
8 066
8 111
8 122
8 166
8 222
8 255
8 333
8 372
8 466
8 516



00220F	.131
AU PROG:	X00.AU
DATE	3-10-98
TIME	15: 24
SF	250.132
O1	3545.000
SI	16384
TD	16384
SM	4032
HZ/PT	.25B .492
PM	0 0
RD	0 0
AG	2.032
R6	40
NS	16
DE	155.0
DR	12
DM	124
FM	5100
O2	0.0
DP	63L P0
LB	
NC	2 .300
CX	32.00
CY	18.00
F1	9.402P
F2	- .598P
MI	0.0
HZ/CM	62.543
PPM/CM	3.13
IS	2
SR	2340.56
D1	1.0000000
P0	2.4
RGA	
RD	0.0
PM	0 0
DE	155.0
NS	16
DS	0

RMN-vi-217

132.400	
128.537	
87.080	
79.855	
77.165	
76.910	
76.656	
71.960	
68.140	
54.984	
43.055	
33.263	
25.804	
25.793	
22.736	
18.230	
17.286	
14.003	
13.532	
-5.357	
-5.406	



Current Data Parameters
NAME RMN-vi-217-C
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date_ 981008
Time 7.33
INSTRUM arx500
PROBHD 5 mm broadb
PULPROG zgdc30
TD 65536
SOLVENT CDCl3
NS 36
DS 0
SHH 35714.285 Hz
FIDRES 0.544957 Hz
AQ 0.9175540 sec
RG 32768
DM 14.000 usec
DE 20.00 usec
TE 300.0 K
D12 0.0000200 sec
DL5 16.00 d0
CPDPRG waltz16
P31 100.00 usec
D1 2.00000000 sec
P1 7.25 usec
SF01 125.7728999 MHz
NUCLEUS 13C
D11 0.0300000 sec

F2 - Processing parameters

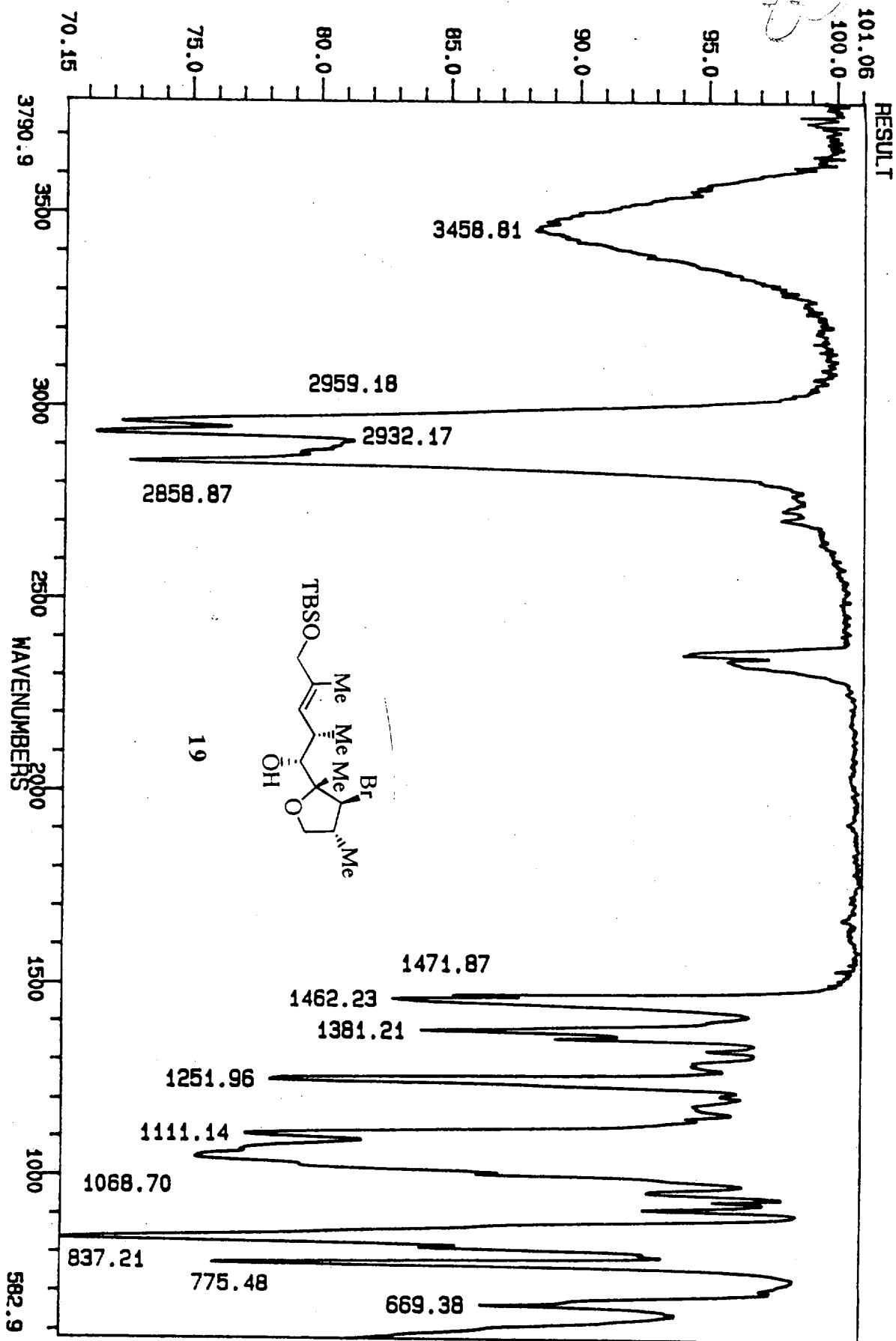
SI 65536
SF 125.7578090 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.40

10 NMR plot parameters

CX 20.00 cm
F1P 139.748 ppm
F1 17574.38 Hz
F2P -10.398 ppm
F2 -1307.67 Hz
PDMCM 7.50731 ppm/cm
HZCM 944.10284 Hz/cm

LA
pt. of Chemistry &
ochemistry

% TRANSMITTANCE



RMH-V1-217

SCANS: 32 RES: 4.0 TIME: 01/30/80 08:16:04