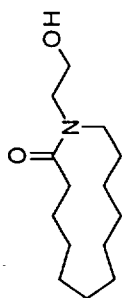
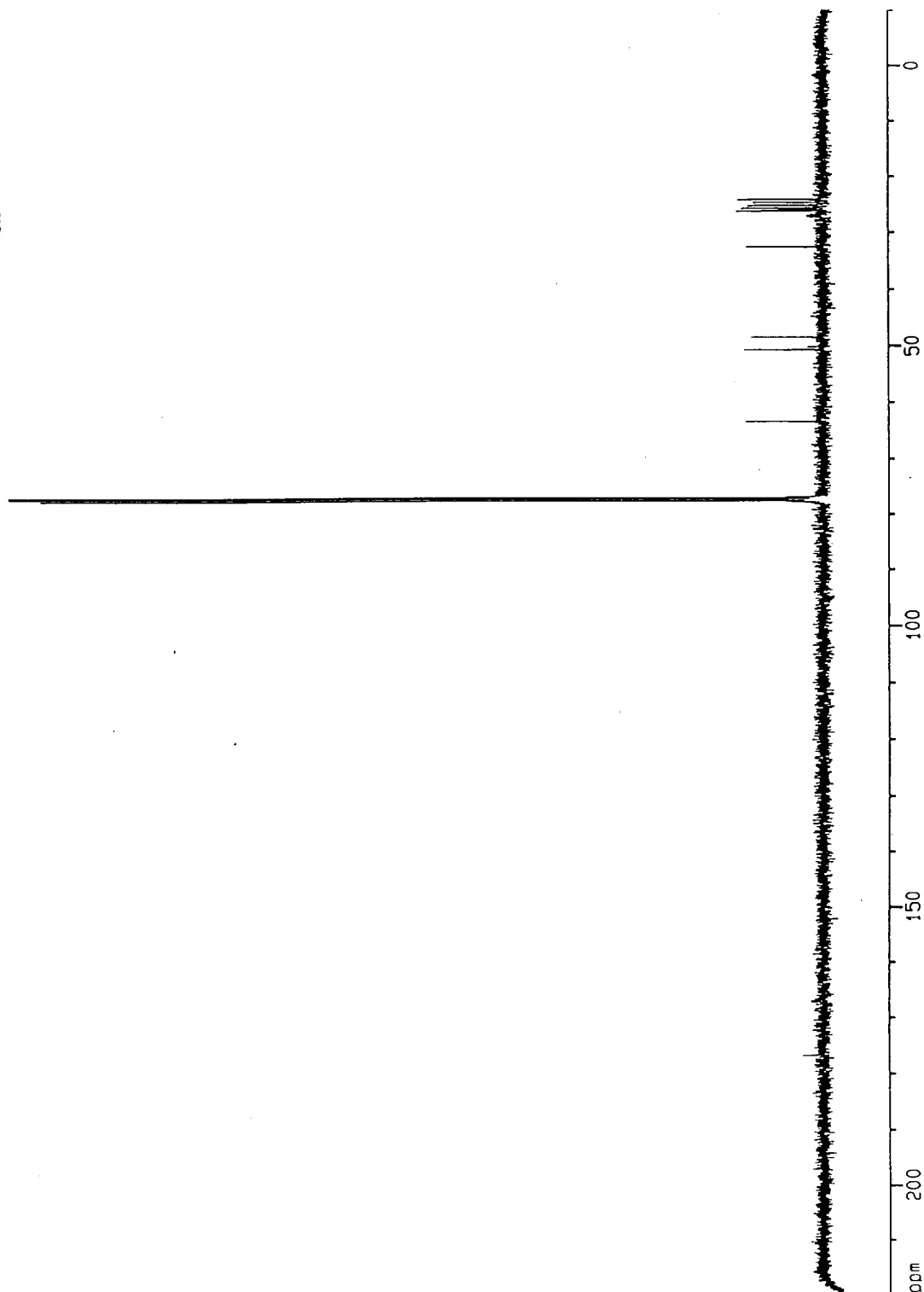


N-(2'-Hydroxyethyl)-1-azacyclotridecan-2-one**3k**

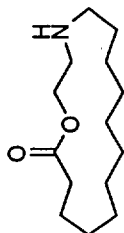
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Current Data Parameters
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PROCNO     1
F2 - Acquisition Parameters
Date_      980107
Time       13 41
INSTRUM    grx400
PROBHD     5 mm Multinu
PULPROG    zgpg30
TD         65536
SOLVENT    CDCl3
NS         945
DS         2
SHH        23148.148 Hz
FIDRES     0.353213 Hz
AQ         1.4156276 sec
RG         1024
DM         21.600 usec
DE         4.50 usec
TE         300.0 K
d11         0.0300000 sec
d12         0.000200 sec
PL13       18.00 dB
D1          0.0500000 sec
CPDPRG2    waltz16
PCPD2       100.00 usec
SF02        400.1316005 MHz
NUC2        1H
PL2         0.00 dB
PL12        18.00 dB
P1          6.90 usec
DE          4.50 usec
SF01        100.6232933 MHz
NUC1        13C
PL1         -6.00 dB

F2 - Processing parameters
SI          32768
SF          100.6127290 MHz
WDW         EM
SSB         C
LB          1.00 Hz
GB          0
PC          1.40

1D NMR plot parameters
CX          20.00 cm
F1P         220.036 ppm
F1          221.3842 Hz
F2P         -10.036 ppm
F2          -1009.73 Hz
PPhCM       1.150359 ppm/cm
HZCM        11.5740747 Hz/cm
  
```

1-Oxa-4-azacyclohexadecan-16-one



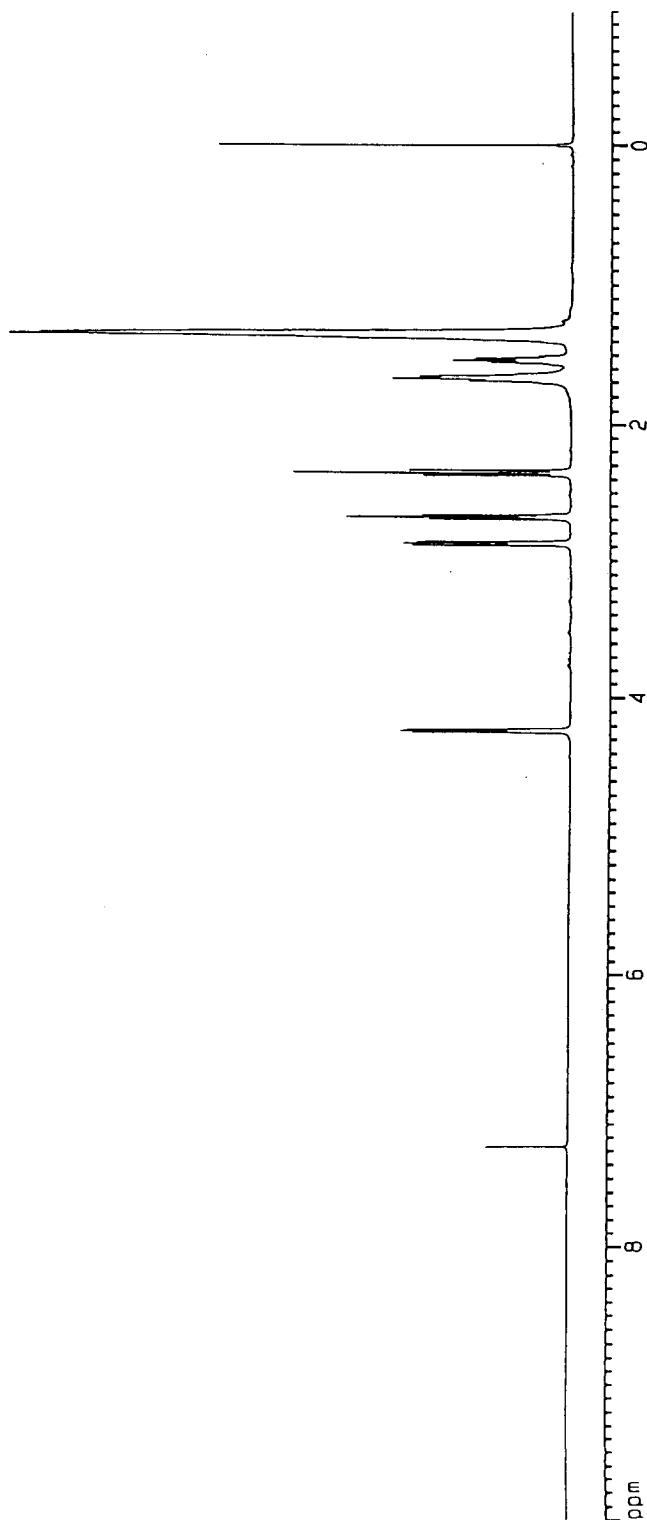
4k

Current Data Parameters
 NAME 4c-1-221 E
 EXPNO 1
 PROCNO 1

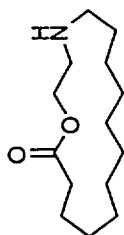
F2 - Acquisition Parameters
 Date_ 971210
 Time 17.40
 INSTRUM drx400
 PROBHD 5 mm Multinu
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 4789.272 Hz
 FIDRES 0.146157 Hz
 AQ 3.4210291 sec
 RG 362
 DW 104.400 usec
 DE 4.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 P1 7.70 usec
 DE 4.50 usec
 SF01 400.132007 MHz
 NUC1 1H
 PL1 -6.00 dB

F2 - Processing parameters
 SI 16384
 SF 400.1300077 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

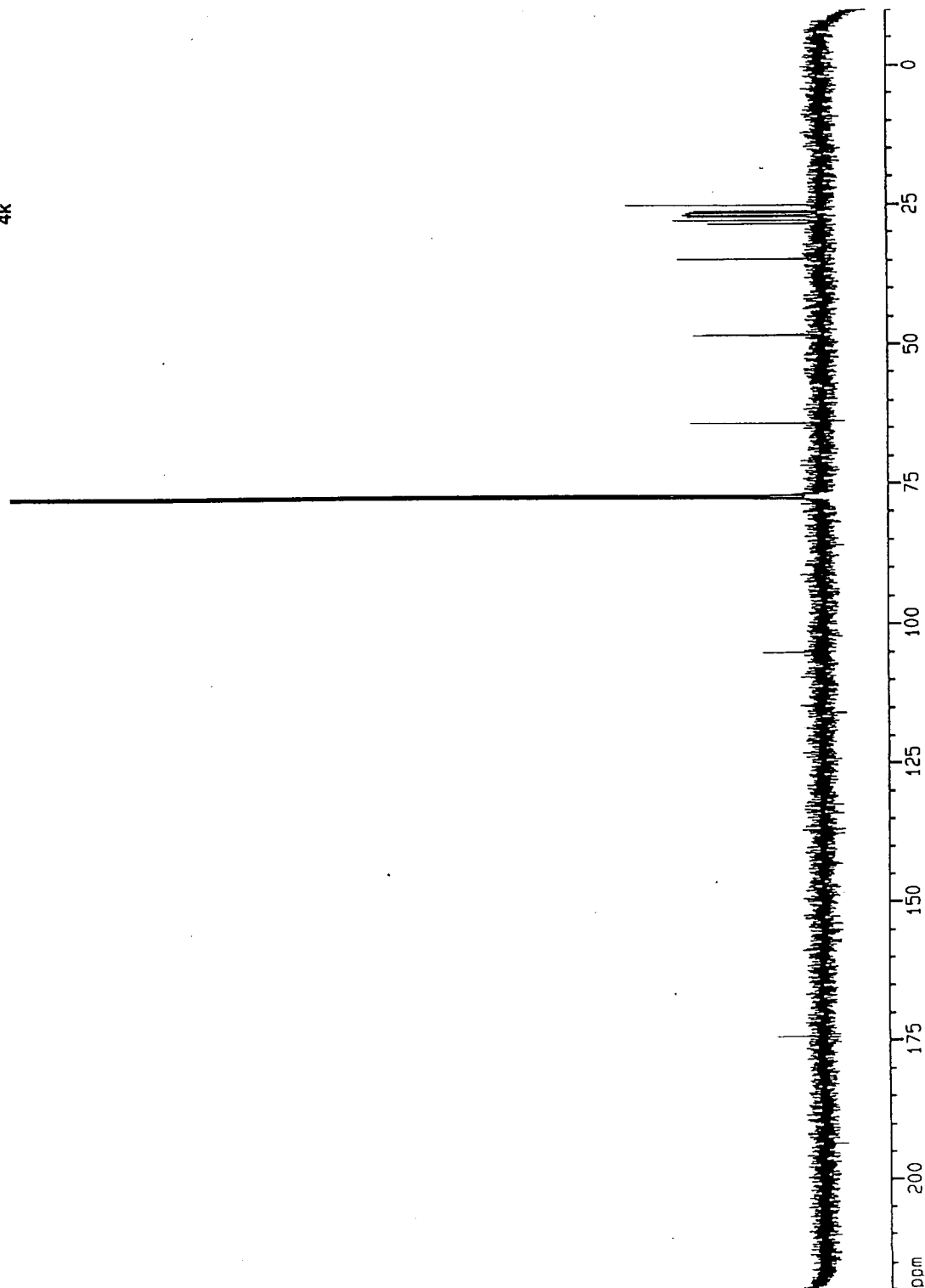
1D NMR plot parameters
 CX 20.00 cm
 F1P 10.000 ppm
 F1 4001.30 Hz
 F2P -1.000 ppm
 F2 -400.13 Hz
 PPMCH 0.55000 ppm/cm
 HZCM 220.07150 Hz/cm



1-Oxa-4-azacyclohexadecan-16-one



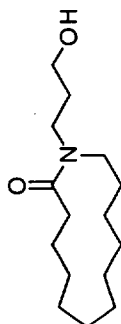
4k



Current Data Parameters
NAME 4C-I-221E
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 971210
Time 20 53
INSTRUM grx400
PROBHD 5 mm Multinu
PULPROG zgpg30
TD 65536
SOLVENT COC13
NS 1315
DS 2
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4156276 sec
RG 2048
DW 21.600 usec
DE 4.50 usec
TE 300.0 K
d11 0.0300000 sec
d12 0.000200 sec
PL13 18.00 dB
D1 0.0500000 sec
CPDPRG2 waltz16
PCPD2 100.00 usec
SF02 400.1316005 MHz
NUC2 1H
PL2 -6.00 dB
PL12 18.00 dB
P1 6.90 usec
DE 4.50 usec
SF01 100.6232933 MHz
NUC1 13C
PL1 -6.00 dB

F2 - Processing parameters
SI 32768
SF 100.6127290 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40
1D NMR plot parameters
CX 20.00 cm
F1P 220.000 ppm
F1 22134.80 Hz
F2P -10.000 ppm
F2 -1006.13 Hz
PQNCM 11.50000 ppm/cm
HZCM 1157.04639 Hz/cm

N-(2'-Hydroxypropyl)-1-azacyclotridecan-2-one

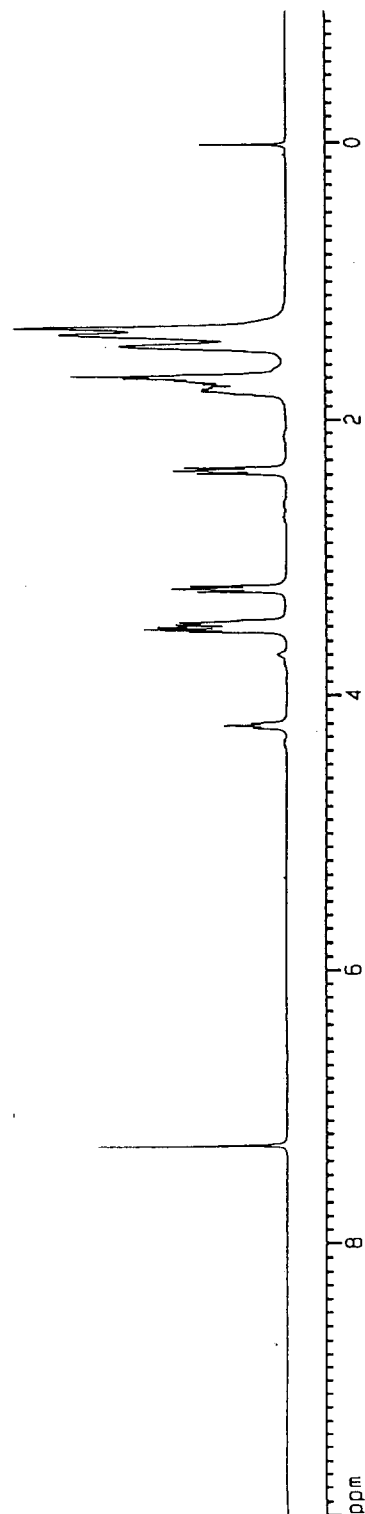
3I

Current Data Parameters
 IE 4C-1-228-A
 EXPNO 1
 PROCNO 2

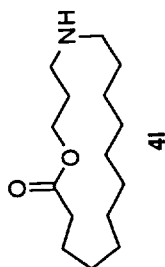
F2 - Acquisition Parameters
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 Time 9.13
 INSTRUM drx400
 PROBHD 5 mm Multinu
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 36
 DS 2
 SWH 4789.272 Hz
 FIDRES 0.146157 Hz
 AQ 3.4210291 sec
 RG 256
 DM 104.400 usec
 DE 4.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 P1 7.70 usec
 DE 4.50 usec
 SF01 400.1300007 MHz
 NUC1 ¹H
 PL1 -6.00 dB

F2 - Processing parameters
 SI 16384
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 10.000 ppm
 F1 4001.30 Hz
 F2P -1.000 ppm
 F2 -400.13 Hz
 PPMCH 0.55000 ppm/cm
 HZCM 220.07152 Hz/cm



1-Oxa-5-azacycloheptadecan-17-one

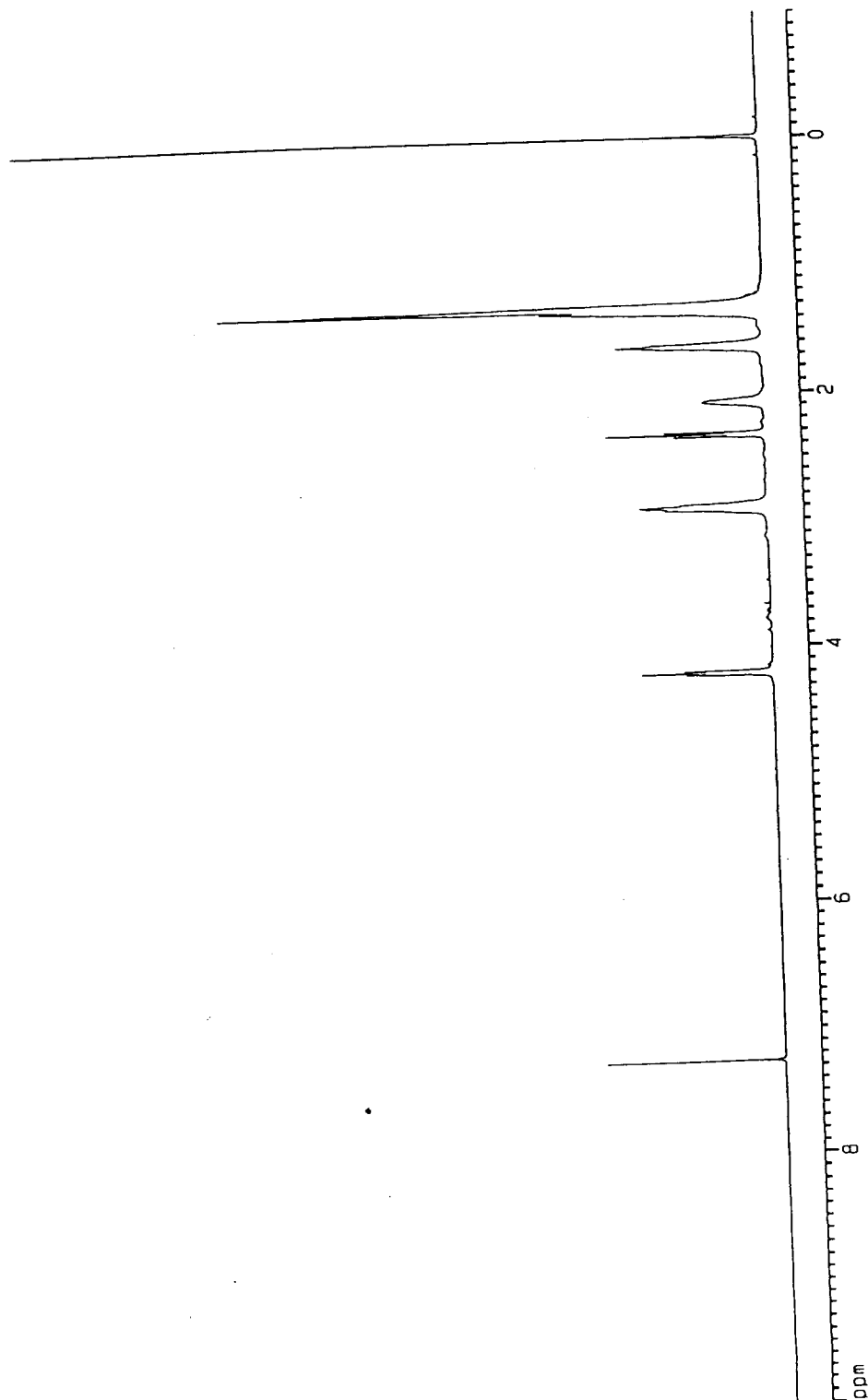


Current Data Parameters
 NAME 4c-1-220E
 EXPNO 1
 PROCNO 1

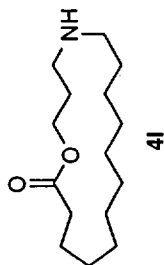
F2 - Acquisition Parameters
 Date_ 971222
 Time 10 21
 INSTRUM OFX400
 PROBHD 5 mm Multinu
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 48
 DS 2
 SWH 4789.272 Hz
 FIDRES 0.146157 Hz
 AQ 3.4210291 sec
 RG 512
 DW 104.400 usec
 DE 4.50 usec
 TE 300.0 K
 D1 1.0000000 sec
 P1 7.70 usec
 DE 4.50 usec
 SF01 400.1300074 MHz
 NUC1 1H
 PL1 -6.00 dB

F2 - Processing parameters
 SI 16384
 SF 400.1300074 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 10.000 ppm
 F1 4001.30 Hz
 F2P -1.000 ppm
 F2 -400.13 Hz
 PPMCM 0.55000 ppm/cm
 HZCM 220.07150 Hz/cm



1-Oxa-5-azacycloheptadecan-17-one

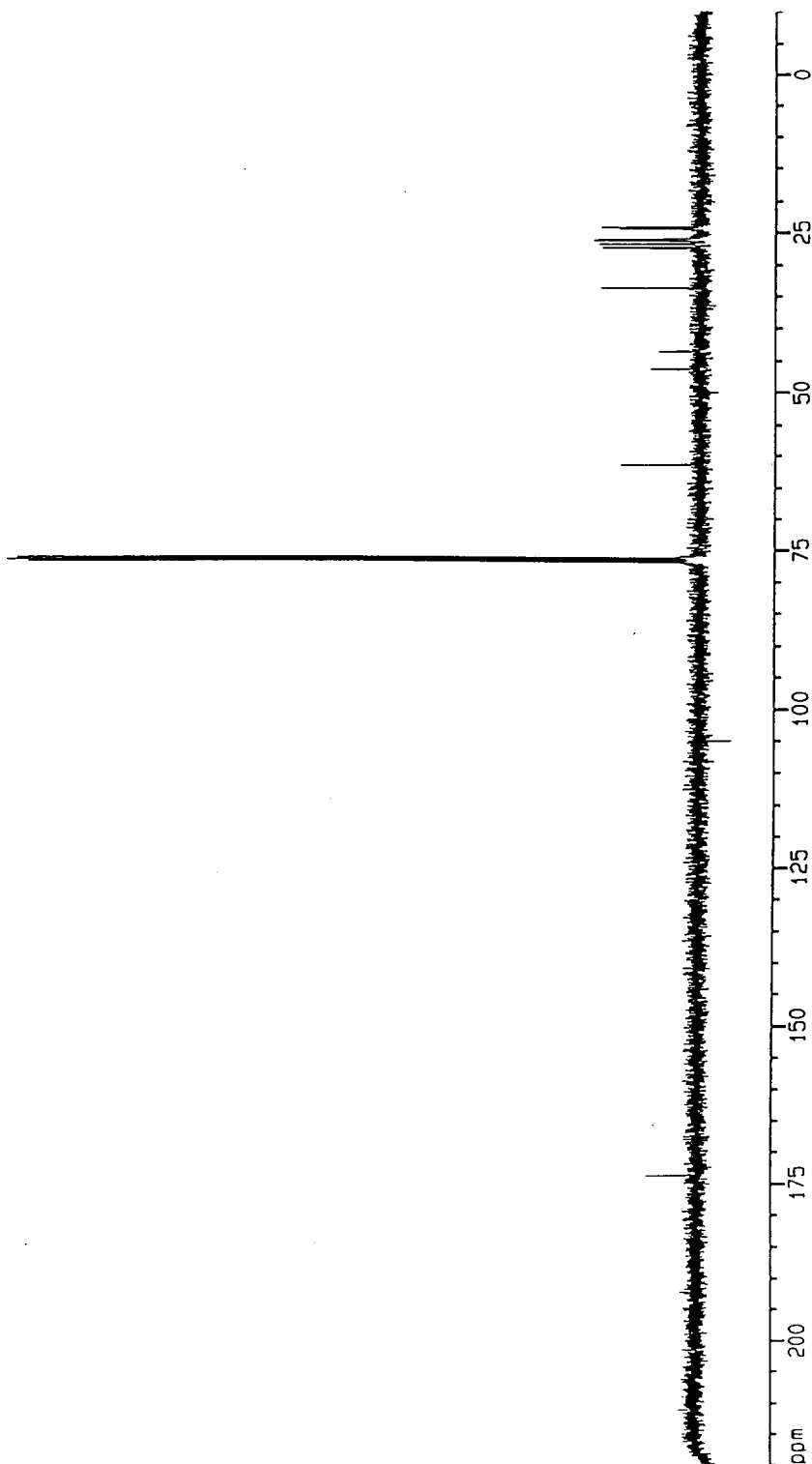


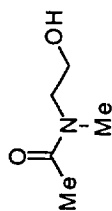
Current Data Parameters
 NAME 4c-1-220E
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 971222
 Time 17:52
 INSTRUM grx400
 PROBHD 5 mm Multinu
 PULPROG zgpg30
 TO 65536
 SOLVENT CDCl3
 NS 2028
 DS 2
 SWH 23148.148 Hz
 FIDRES 0.353213 Hz
 AQ 1.4156276 sec
 RG 4096
 DM 21.600 usec
 DE 4.50 usec
 TE 300.0 K
 d11 0.0300000 sec
 d12 0.000200 sec
 PL13 18.00 dB
 D1 0.0500000 sec
 CPDPRG2 waltz16
 PCPD2 100.00 usec
 SF02 400.1316005 MHz
 NUC2 1H
 PL2 0.00 dB
 PL12 18.00 dB
 P1 6.90 usec
 DE 4.50 usec
 SF01 100.6232933 MHz
 NUC1 13C
 PL1 -6.00 dB

F2 - Processing parameters
 SI 32768
 SF 100.6127290 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

1D NMR plot parameters
 CX 20.00 cm
 F1P 220.000 ppm
 F1 22134.80 Hz
 F2P -10.000 ppm
 F2 -1006.13 Hz
 PP4CH 11.50000 ppm/cm
 HZCH 1157.04639 Hz/cm



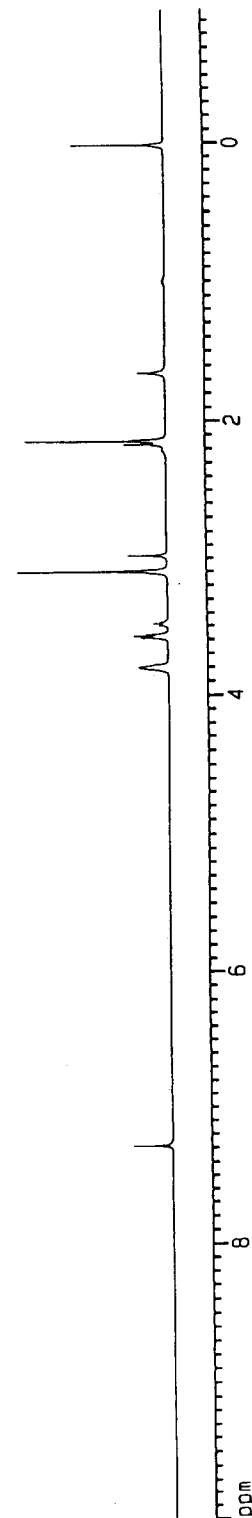
***N*-(2'-Hydroxyethyl)-*N*-methylacetamide****5a**

Current Data Parameters
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 PROCNO 1

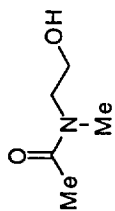
F2 - Acquisition Parameters
 Date_ 980206
 Time 14.24
 INSTRUM drx400
 PROBHD 5 mm Multinu
 PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 4789.272 Hz
 FIDRES 0.146157 Hz
 AQ 3.4210291 sec
 RG 645.1
 DH 104.400 usec
 DE 4.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 P1 7.70 usec
 DE 4.50 usec
 SF01 400.1320007 MHz
 NUC1 1H
 PL1 -6.00 dB

F2 - Processing parameters
 SI 16384
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

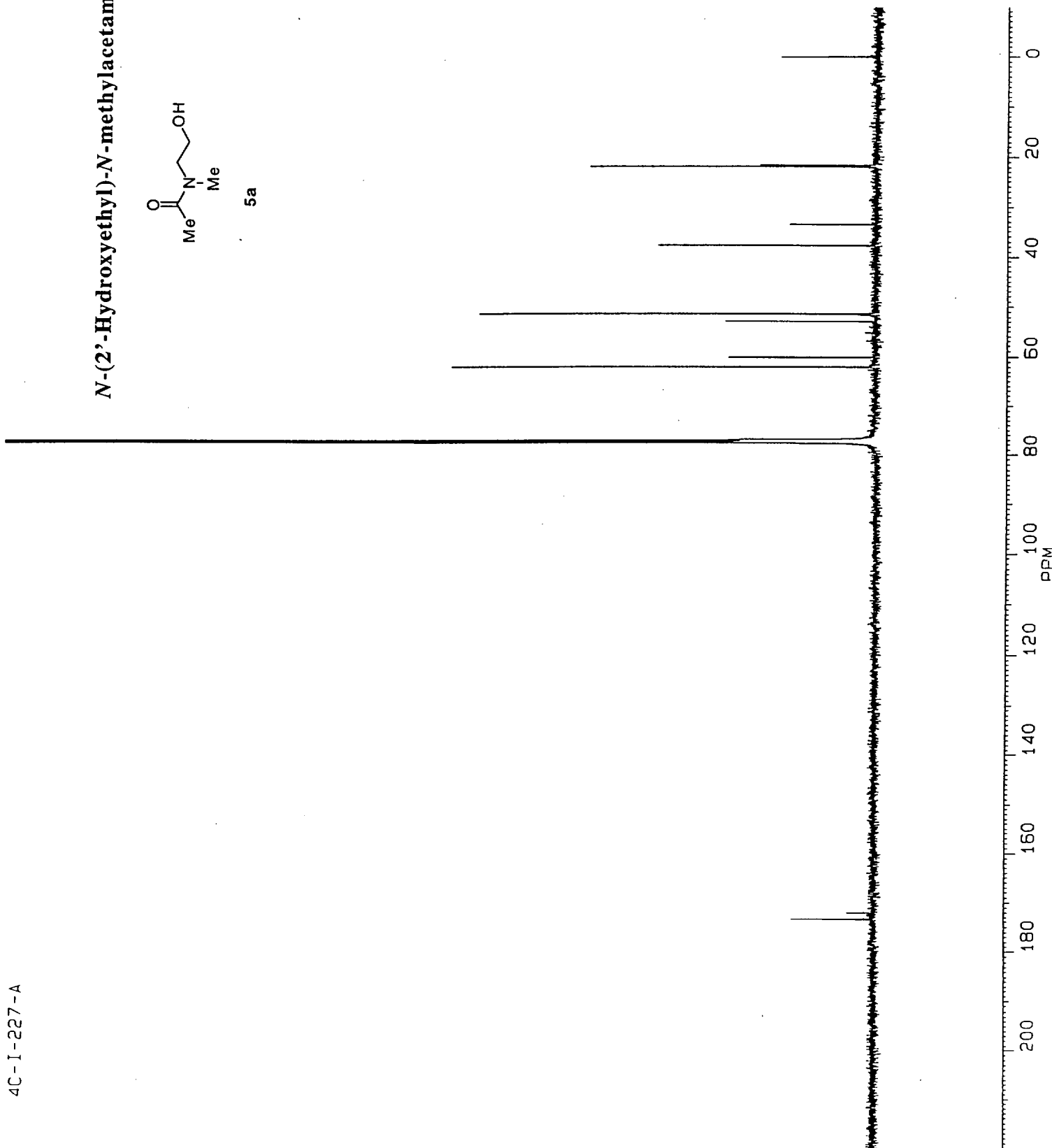
10 NMR plot parameters
 CX 20.00 cm
 F1P 10.000 ppm
 F1 400.30 Hz
 F2P -1.000 ppm
 F2 -400.13 Hz
 PPMCM 0.55000 ppm/cm
 HZCM 220.07150 Hz/cm



4C-I-227-A

N-(2'-Hydroxyethyl)-*N*-methylacetamide

5a



JF1227A.002

DATE 10-2-98

SF 125.759
SY 93.0
O1 2500.000
SI 65536
TD 65536
SW 31250.000
HZ/PT .954

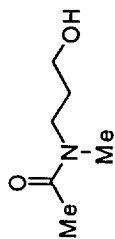
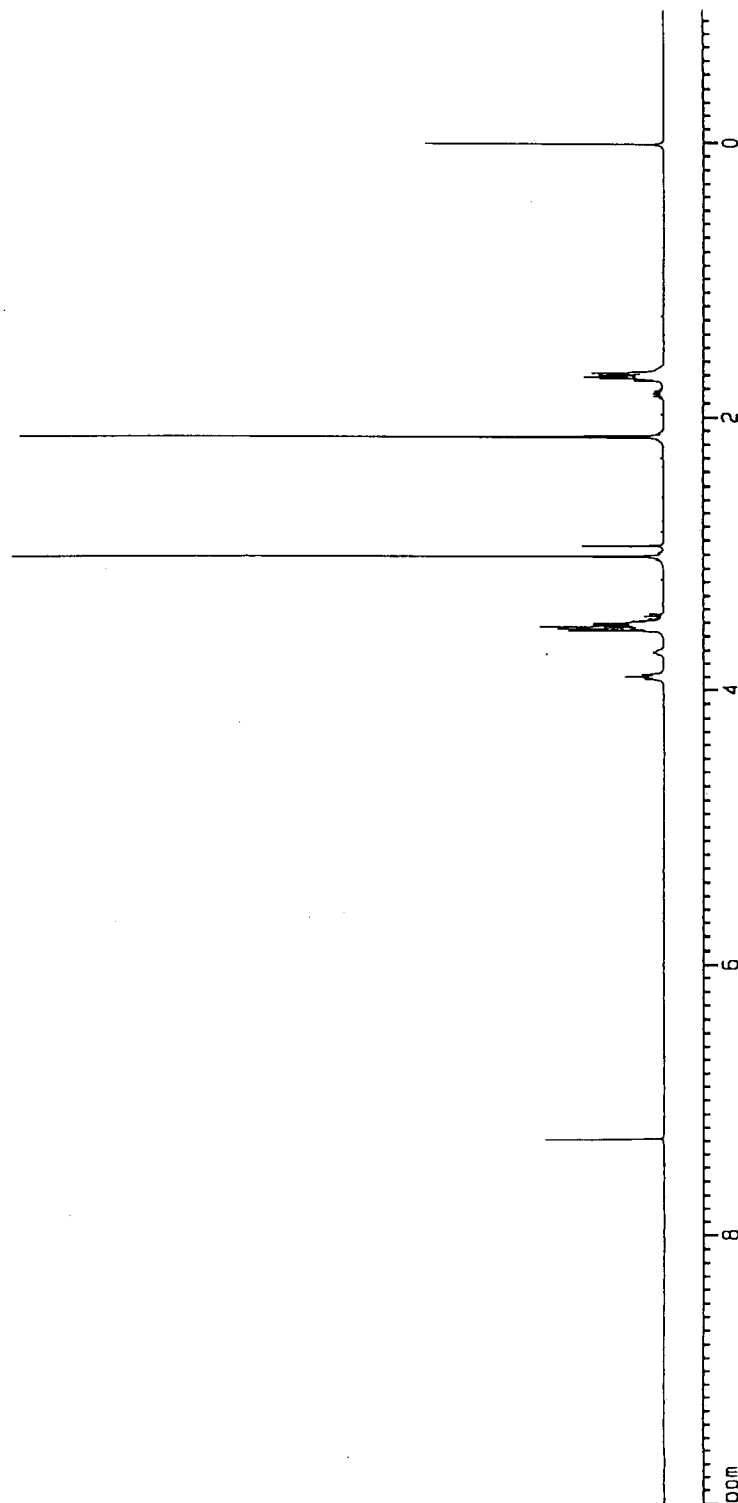
PW 2.0
RD 1.000
AQ 1.049
RG 200
NS 33610
TE 297

FW 39100
O2 7500.000
DP 15H D0

LB 2.000
GB 0.0
CX 22.00
CY 0.0

F1 219.999
F2 -9.996

HZ/CM 1.314E3
PPM/CM 10.454
SR -10847.47

***N*-(3'-Hydroxypropyl)-*N*-methylacetamide****5b**

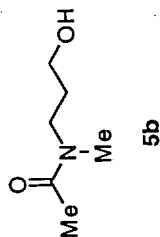
Current Data Parameters
 NAME 4C-1-241
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 980217
 Time 15 17
 INSTRUM grx400
 PROBHD 5 mm Multinu
 PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 4789.272 Hz
 FIDRES 0.146157 Hz
 AQ 3.4210291 sec
 RG 512
 DW 104.400 usec
 DE 4.50 usec
 TE 300.0 K
 D1 1.0000000 sec
 P1 7.70 usec
 DE 4.50 usec
 SF01 400.1320007 MHz
 NUC1 1H
 PL1 -6.00 dB

F2 - Processing parameters
 SI 16384
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 FIP 10.000 ppm
 F1 4001.30 Hz
 F2P -1.000 ppm
 F2 -400.13 Hz
 PPMCM 0.55000 ppm/cm
 HZCM 220.07150 Hz/cm

N-(3'-Hydroxypropyl)-*N*-methylacetamide



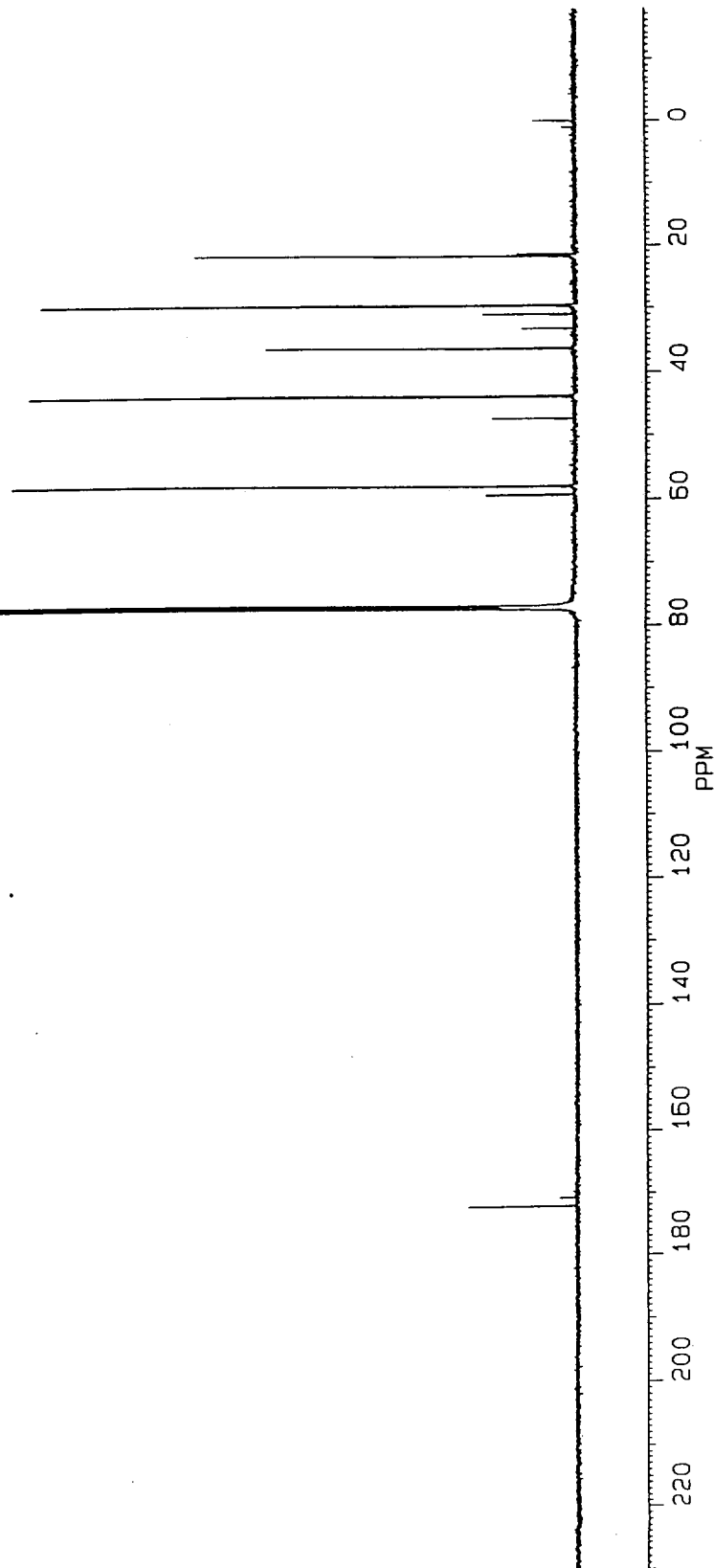
JF1241A.002
DATE 12-2-98

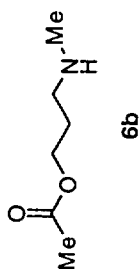
SF 125.759
SY 93.0
O1 2500.000
SI 65536
TO 65536
SW 31250.000
HZ/PT 954

PW 2.0
RD 1.000
AQ 1.049
RG 200
NS 28725
TE 297

FW 39100
O2 7500.000
DP 15H CPD

LB 2.000
GB 0.0
CX 22.00
CY 0.0
F1 230.525
F2 -17.959
HZ/CM 1.420E3
PPM/CM 11.295
SR -10846.52



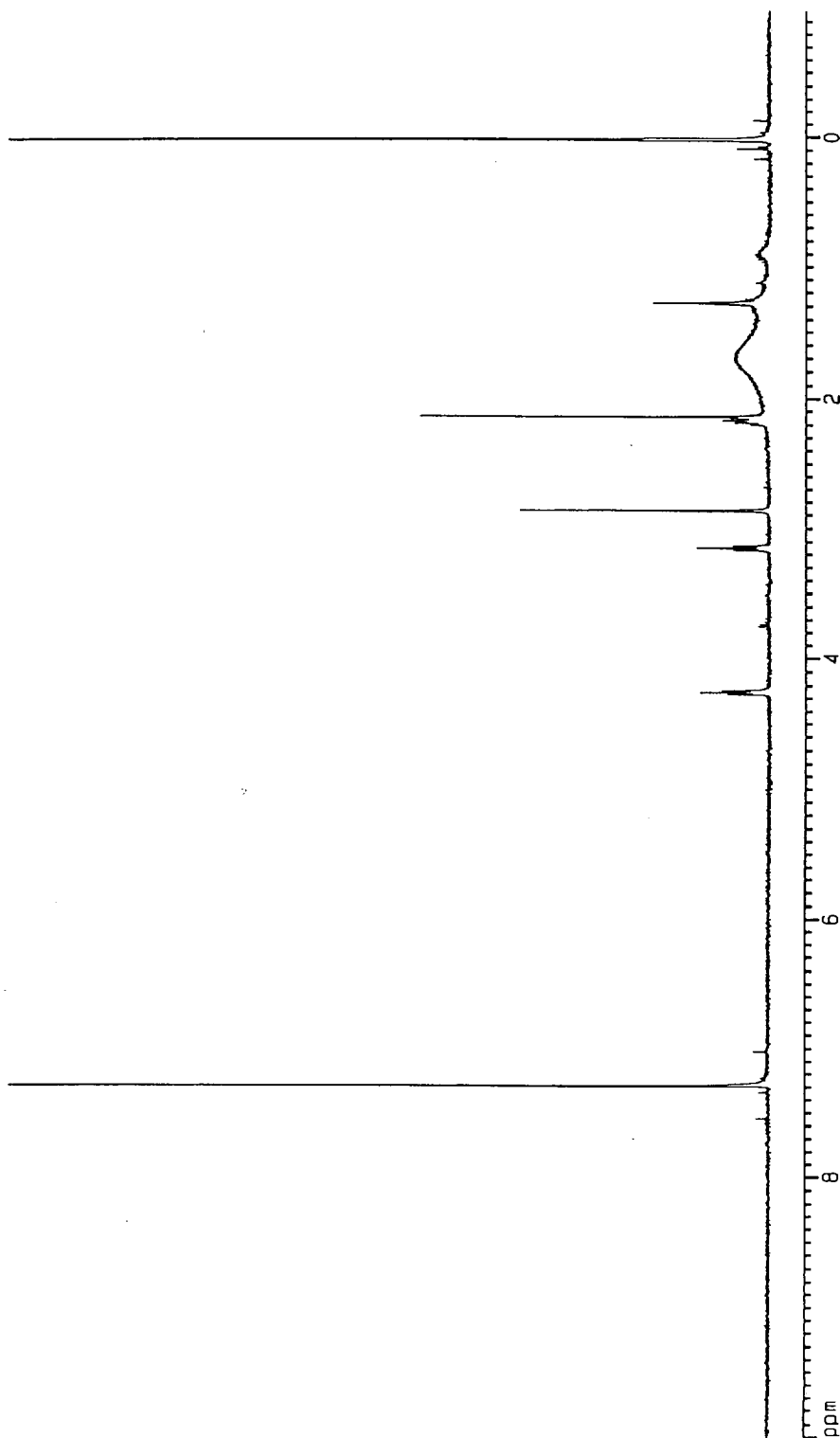
3-Methylaminopropylacetate

Current Data Parameters
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 EXPNO 4
 PROCNO 2

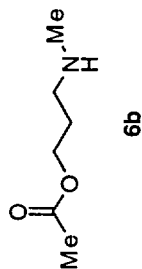
F2 - Acquisition Parameters
 Date_ 980617
 Time 16 12
 INSTRUM drx400
 PROBHD 5 mm Multinu
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 4789.272 Hz
 FIDRES 0.146157 Hz
 AQ 3.4210291 sec
 RG 1625.5
 DM 104.400 usec
 DE 4.50 usec
 TE 300.0 K
 D1 1.0000000 sec
 P1 7.70 usec
 DE 4.50 usec
 SFO1 400.1320007 MHz
 NUC1 1H
 PL1 -6.00 dB

F2 - Processing parameters
 SI 16384
 SF 400.1300000 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 10.000 ppm
 F1 4001.30 Hz
 F2P -1.000 ppm
 F2 -400.13 Hz
 PPMCM 0 55000 ppm/cm
 HZCM 220.07150 Hz/cm



3-Methylaminopropylacetate

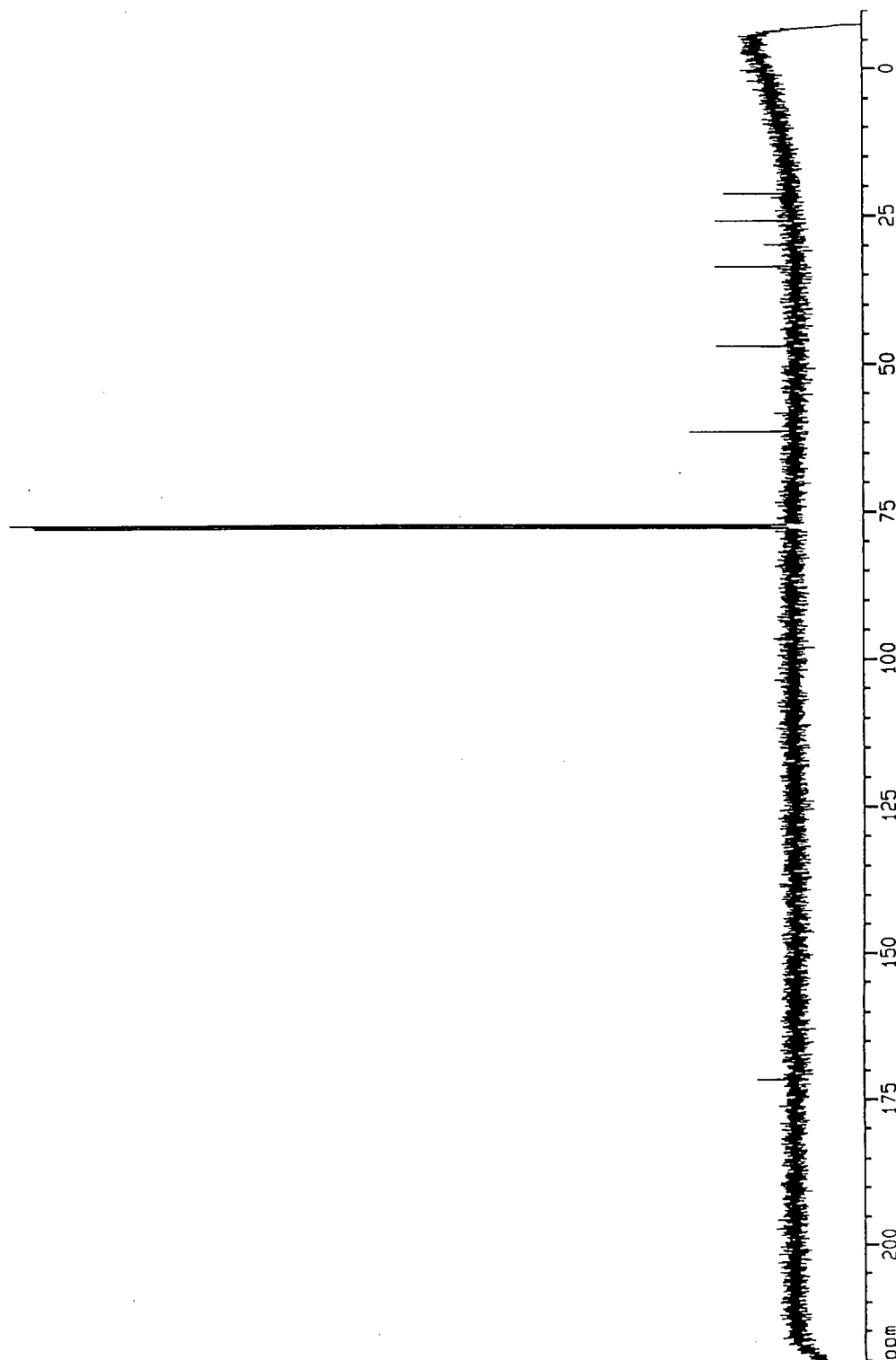


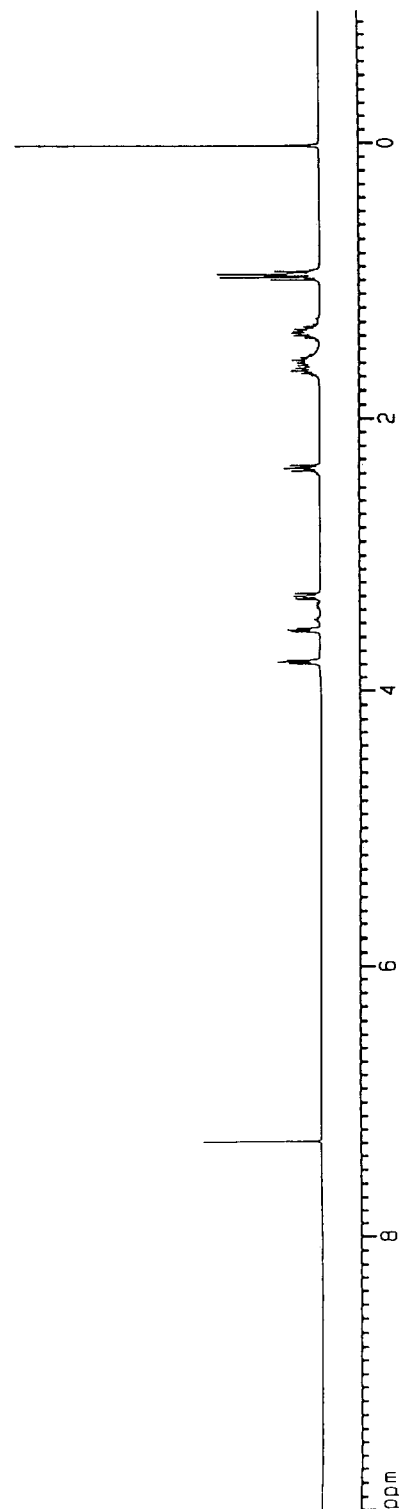
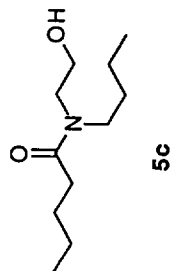
Current Data Parameters
 NAME 4c-j-261-E
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 980426
 Time 14 52
 INSTRUM drx400
 PROBHD 5 mm Multinu
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 2290
 DS 2
 SWH 23148.148 Hz
 FIDRES 0.353213 Hz
 AQ 1.4156276 sec
 RG 256
 DM 21.600 usec
 DE 4.50 usec
 TE 300.0 K
 d11 0.0300000 sec
 d12 0.0000200 sec
 PL13 18.00 dB
 D1 0.05000000 sec
 CPDPRG2 waltz16
 PCPD2 100.00 usec
 SF02 400.1316005 MHz
 NUC2 1H
 PL2 -6.00 dB
 PL12 18.00 dB
 P1 14.00 usec
 DE 4.50 usec
 SF01 100.6232933 MHz
 NUC1 13C
 PL1 -6.00 dB

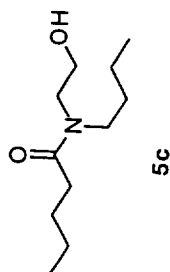
F2 - Processing parameters
 SI 32768
 SF 100.6127290 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

1D NMR plot parameters
 CX 20.00 cm
 F1P 220.000 ppm
 F1 22134.80 Hz
 F2P -10.000 ppm
 F2 -1006.13 Hz
 PPMCM 11.50000 ppm/cm
 HZCM 1157.04639 Hz/cm





Current Data Parameters	
NAME	4C-1-237-A
EXPNO	1
PROCNO	1
F2 - Acquisition Parameters	
Date_	980201
Time	13:20
INSTRUM	grx400
PROBHD	5 mm Multinu
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	16
DS	2
SWH	4789.272 Hz
FIDRES	0.146157 Hz
AQ	3.4210291 sec
RG	645 1
OW	104 400 usec
DE	4.50 usec
TE	300.0 K
D1	1.00000000 sec
P1	7.70 usec
DE	4.50 usec
SFO1	400.1320007 MHz
NUC1	1H
PL1	-6.00 dB
F2 - Processing parameters	
SF	16384
SF	400.1300000 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00
1D NMR plot parameters	
CX	20.00 cm
F1P	10.000 ppm
F1	400.130 Hz
F2P	-1.000 ppm
F2	-400.13 Hz
PPHMM	0.55000 ppm/cyc
HZCM	220.07150 Hz/cm

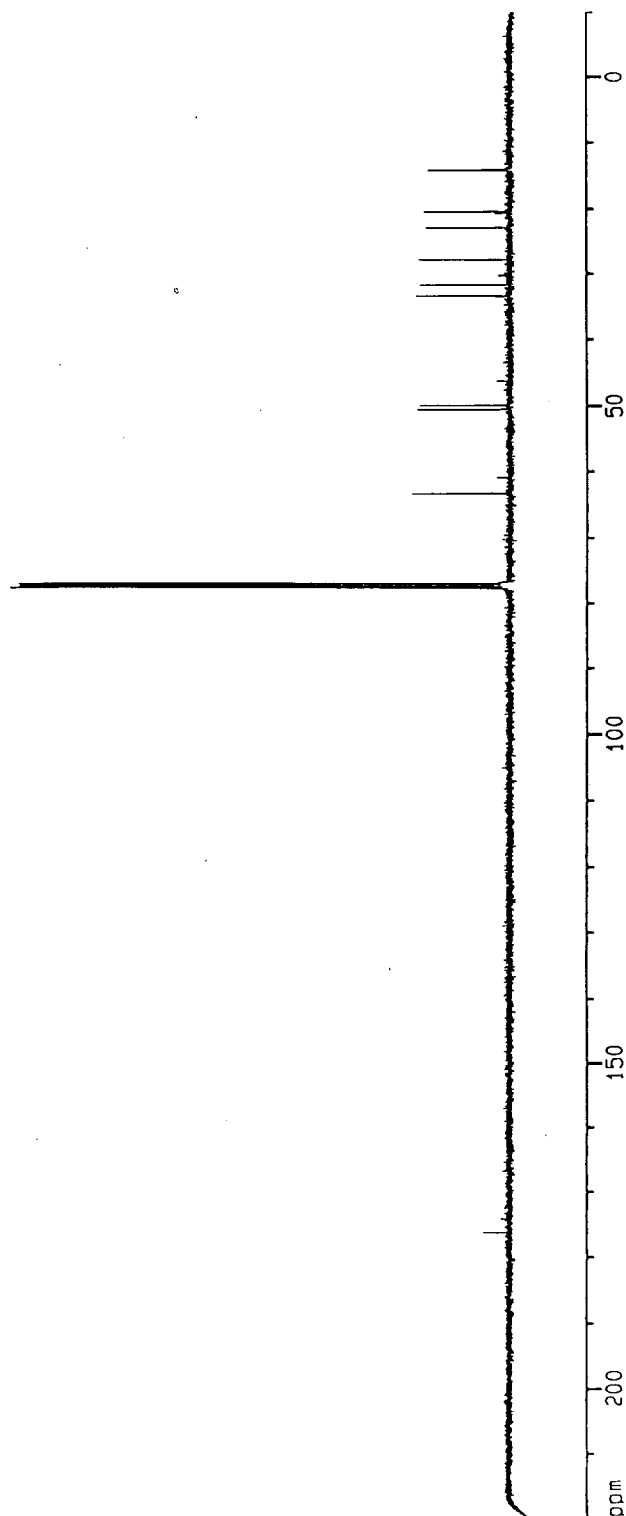
***N*-(2'-Hydroxyethyl)-*N*-butylpentamide**

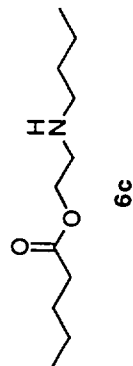
Current Data Parameters
 NAME 4C-1-237-A
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 980129
 Time 21 25
 INSTRUM drx400
 PROBHD 5 mm Multinu
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 949
 DS 2
 SWH 23148.148 Hz
 FIDRES 0.353213 Hz
 AQ 1.4156276 sec
 RG 1024
 DW 21.600 usec
 DE 4.50 usec
 TE 300.0 K
 d11 0.030000 sec
 d12 0.000200 sec
 PL13 18.00 dB
 D1 0.0500000 sec
 CPOPRG2 waltz16
 PCPD2 100.00 usec
 SF02 400.1316005 MHz
 NUC2 1H
 PL2 0.00 dB
 PL12 18.00 dB
 P1 6.90 usec
 DE 4.50 usec
 SF01 100.6232933 MHz
 NUC1 13C
 PL1 -6.00 dB

F2 - Processing Parameters
 SI 32768
 SF 100.6127290 MHz
 WDW EM
 SSB C
 LB 1.00 Hz
 GB 0
 PC 1.40

ID NMR plot parameters
 CX 20.00 cm
 F1P 220.000 ppm
 F1 22134.80 Hz
 F2P -10.000 ppm
 F2 -1006.13 Hz
 PPMCM 11.50000 ppm/cm
 HZCM 1157.04639 Hz/cm



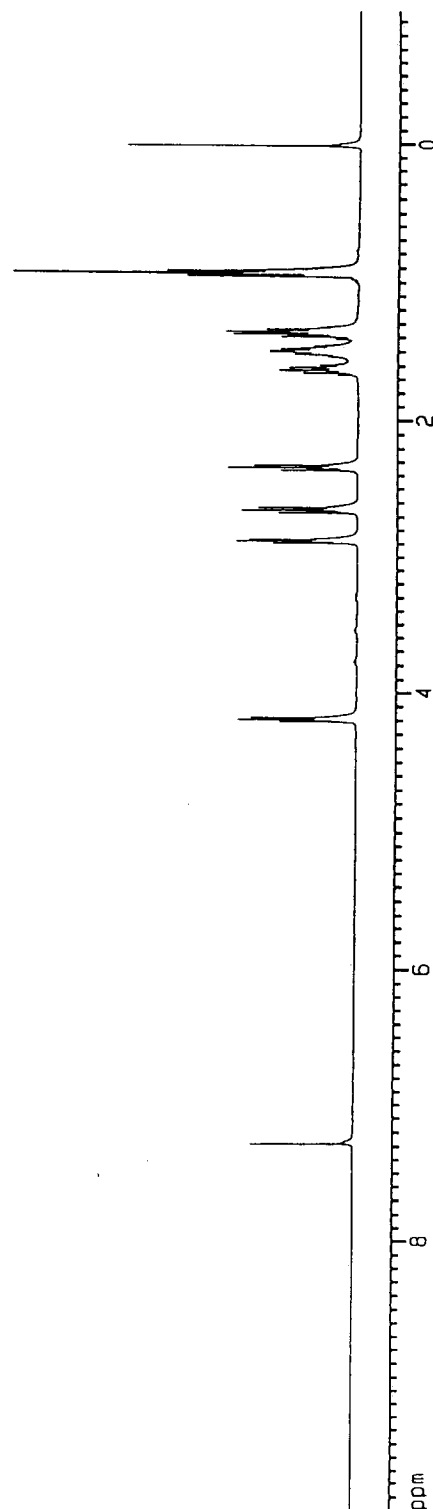
2-Butylaminoethylpentanoate

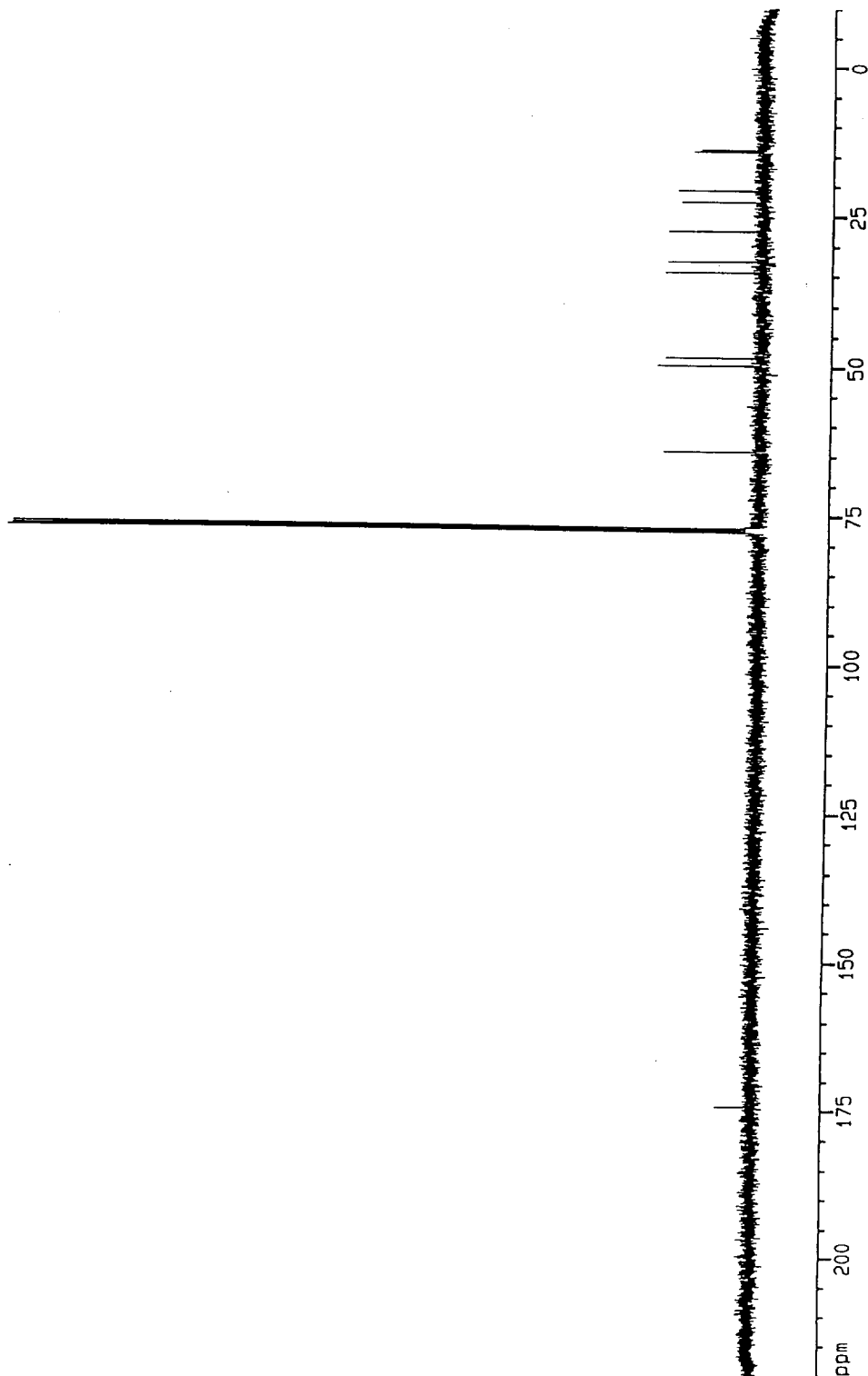
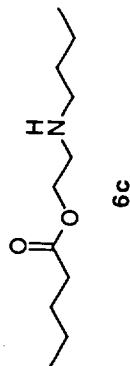
Current Data Parameters
 NAME 4c-l-240-E
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 980209
 Time 12 40
 INSTRUM drx400
 PROBHD 5 mm Multinu
 PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 4789.272 Hz
 FIDRES 0.146157 Hz
 AQ 3.4210291 sec
 RG 362
 DW 104.400 usec
 DE 4.50 usec
 TE 300.0 K
 D1 1.0000000 sec
 P1 7.70 usec
 DE 4.50 usec
 SF01 400.1320007 MHz
 NUC1 1H
 PL1 -6.00 dB

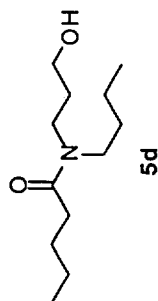
F2 - Processing parameters
 SI 16384
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 10.000 ppm
 F1 4001.30 Hz
 F2P -1.000 ppm
 F2 -400.13 Hz
 PPMCM 0.55000 ppm/cm
 HZCM 220.07150 Hz/cm





Current Data Parameters	
NAME	4E-1-240-E
EXPNO	2
PROCNO	1
F2 - Acquisition Parameters	
Date_	980210
Time	10 10
INSTRUM	drx400
PROBHD	5 mm Multinu.
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	1101
DS	2
SWH	23148.148 Hz
FIDRES	0.353213 Hz
AQ	1.4156276 sec
RG	4096
DM	21.600 usec
DE	4.50 usec
TE	300.0 K
d11	0.0300000 sec
d12	0.0002000 sec
PL13	18.00 dB
D1	0.05000000 sec
CPDPRG2	waltz16
PCPD0	100.00 usec
SF02	400.1316005 MHz
NUC2	1H
PL2	0.00 dB
PL1	18.00 dB
P1	6.90 usec
DE	4.50 usec
SF01	100.6232933 MHz
NUC1	13C
PL1	-6.00 dB
F2 - Processing parameters	
S1	32768
SF	100.6127290 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40
1D NMR plot parameters	
CX	20.00 cm
F1	220.00 ppm
F1	22134.80 Hz
F2	-10.000 ppm
F2	-1006.13 Hz
PPHNCM	11.50000 ppm/c
PPHNCM	1157.04639 Hz/cm

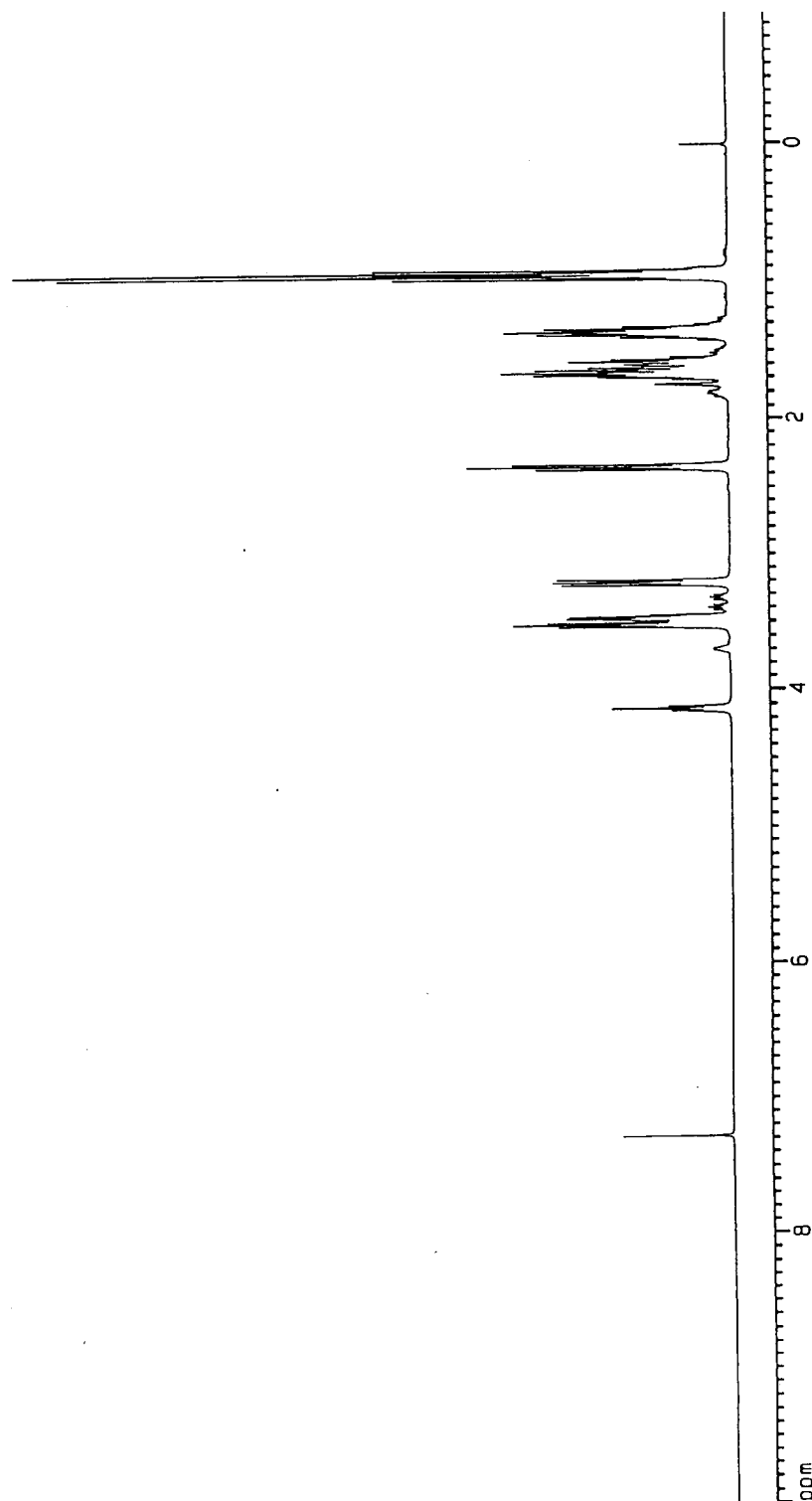
***N*-(3'-Hydroxypropyl)-*N*-butylpentanamide**

Current Data Parameters
NAME 4C-J-229-A
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 980224
Time 15 37
INSTRUM drx400
PROBHD 5 mm Multinu
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 2
SWH 4789.272 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 181
DM 104.400 usec
DE 4.50 usec
TE 300.0 K
D1 1.00000000 sec
P1 7.70 usec
DE 4.50 usec
SFO1 400.1320007 MHz
NUC1 ¹H
PL1 -6.00 dB

F2 - Processing parameters
SI 16384
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
F1P 10.000 ppm
F1 4001.30 Hz
F2P -1.000 ppm
F2 -400.13 Hz
PPMCK 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



User: FOPSEE

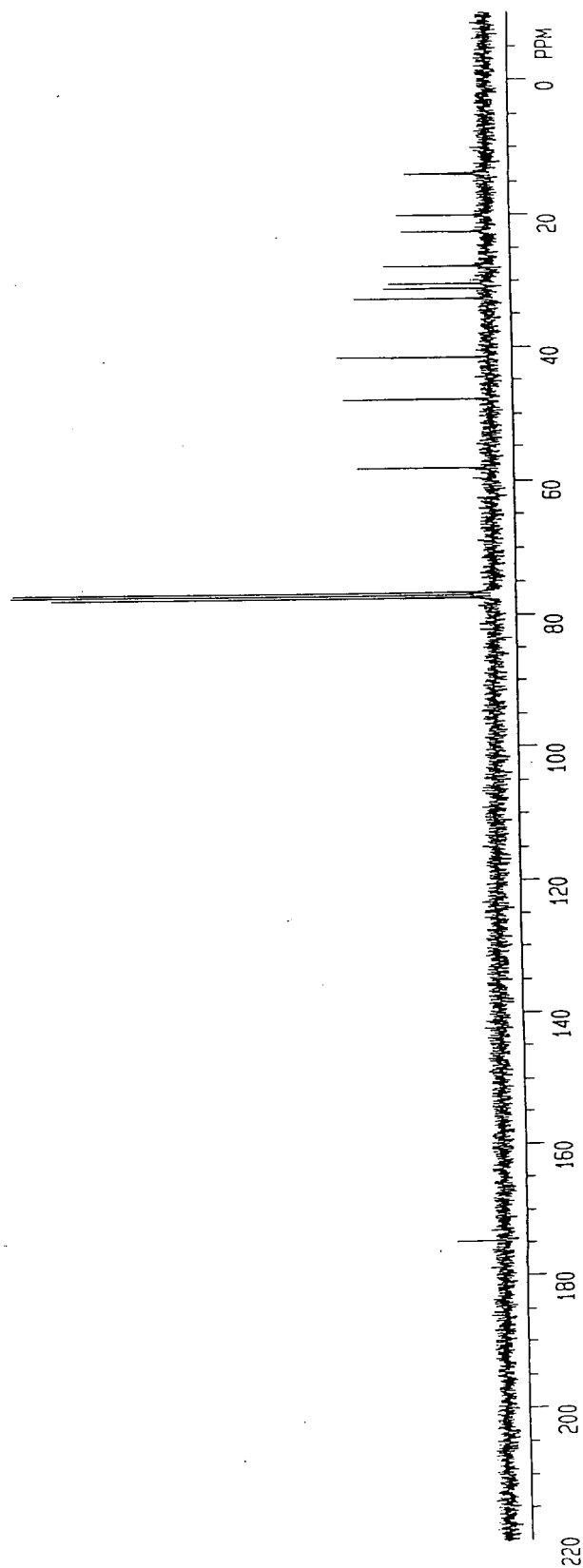
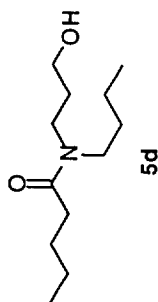


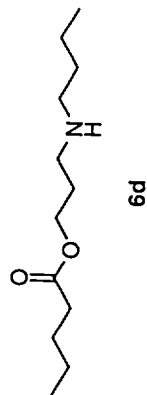
GE NMR
GE PLUS

JF .229
15JAN98

ANZE
05:04:08 12:11:11

***N*-(3'-Hydroxypropyl)-*N*-butylpentanamide**



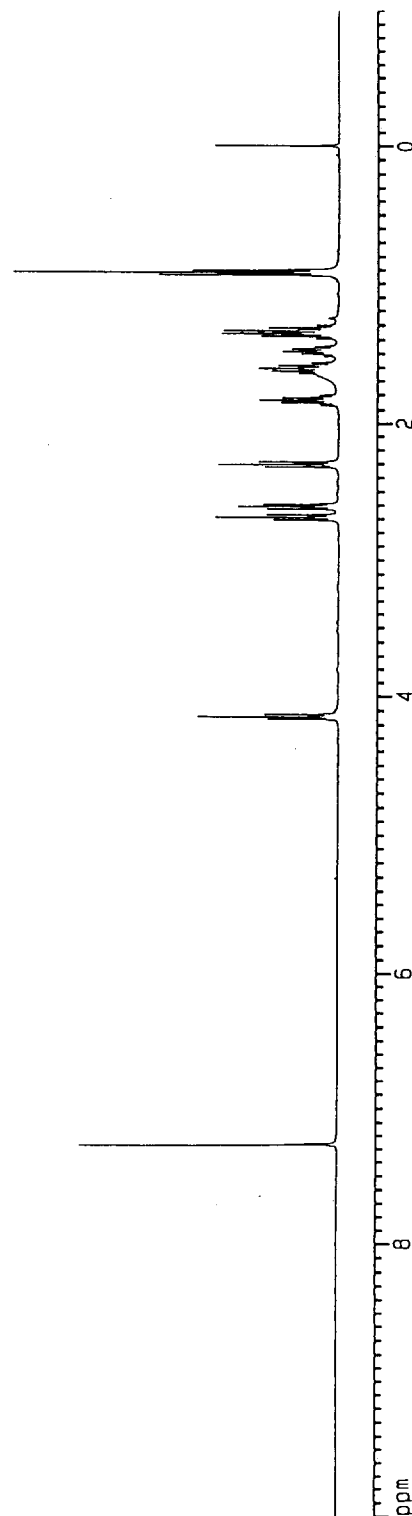
3-Butylaminopropylpentanoate

Current Data Parameters
 NAME 4c-I-229-E
 EXPNO 1
 PROCNO 2

F2 - Acquisition Parameters
 Date_ 980114
 Time 8.39
 INSTRUM drx400
 PROBHD 5 mm Multinu
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 4789.272 Hz
 FIDRES 0.146157 Hz
 AQ 3.4210291 sec
 RG 456.1
 DM 104.400 usec
 DE 4.50 usec
 TE 300.0 K
 D1 1.0000000 sec
 P1 7.70 usec
 DE 4.50 usec
 SF01 400.1320007 MHz
 NUC1 1H
 PL1 -6.00 dB

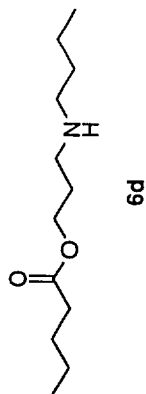
F2 - Processing parameters
 SI 15384
 SF 400.1300065 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

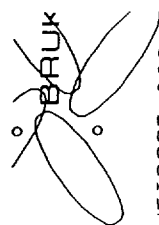
1D NMR plot parameters
 CX 20.00 cm
 FIP 10.000 ppm
 F1 4001.30 Hz
 F2P -1.000 ppm
 F2 -400.13 Hz
 PPMCM 0.55000 ppm/cm
 HZCM 220.07150 Hz/cm



4C-I-229-E

3-Butylaminopropylpentanoate



 JF1229E.002
DATE 15-1-98

SF 125.759
SY 93.0
O1 2500.000
SI 65536
TD 65536
SW 31250.000
HZ/PT 954

PW 2.0
RD 1.000
AQ 1.049
RG 200
NS 1775
TE 297

FW 39100.
O2 7500.000
DP 15H CPD

LB 1.000
GB 0.0
CX 22.00
CY 0.0
F1 230.419
F2 -17.822
HZ/CM 1.419E3
PPM/CM 11.284
SR -10848.43

