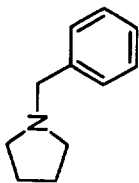


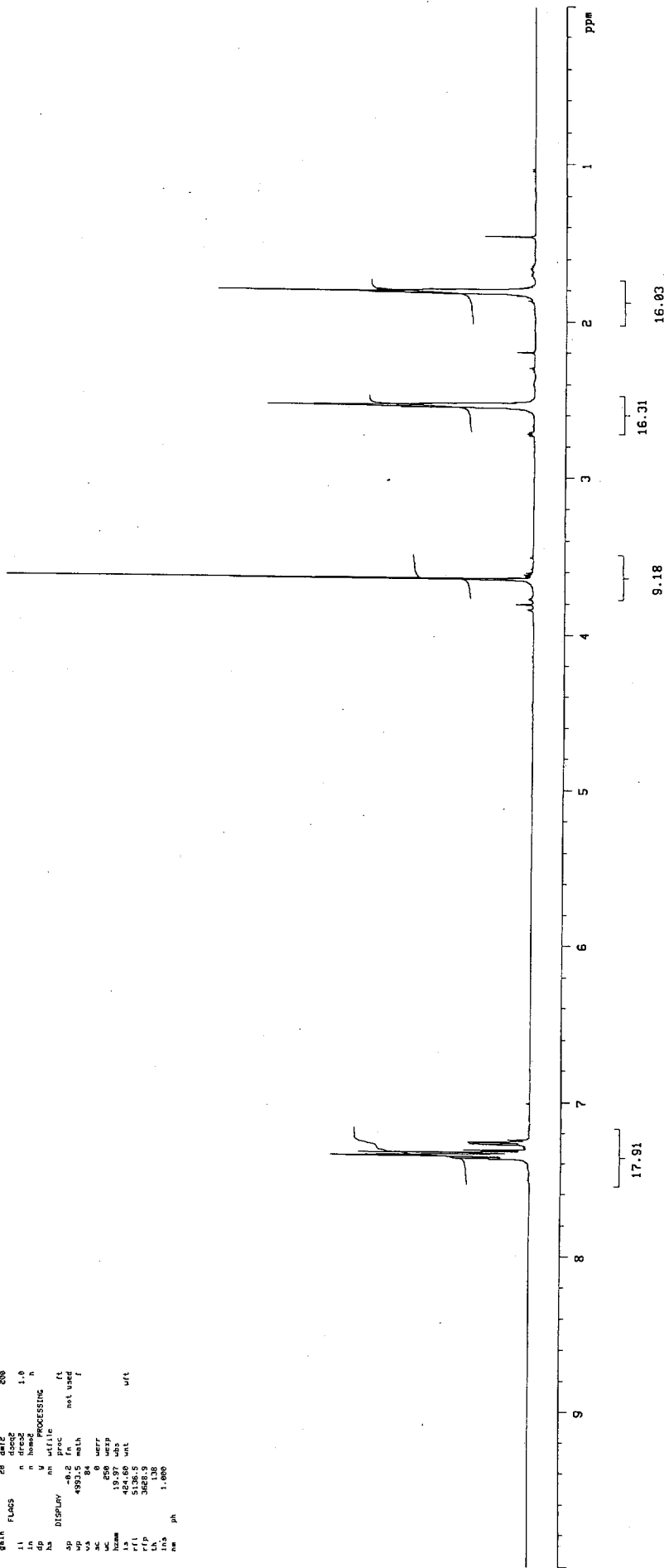
1



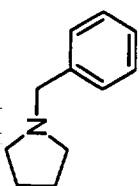
Compound 3a
¹H NMR

```

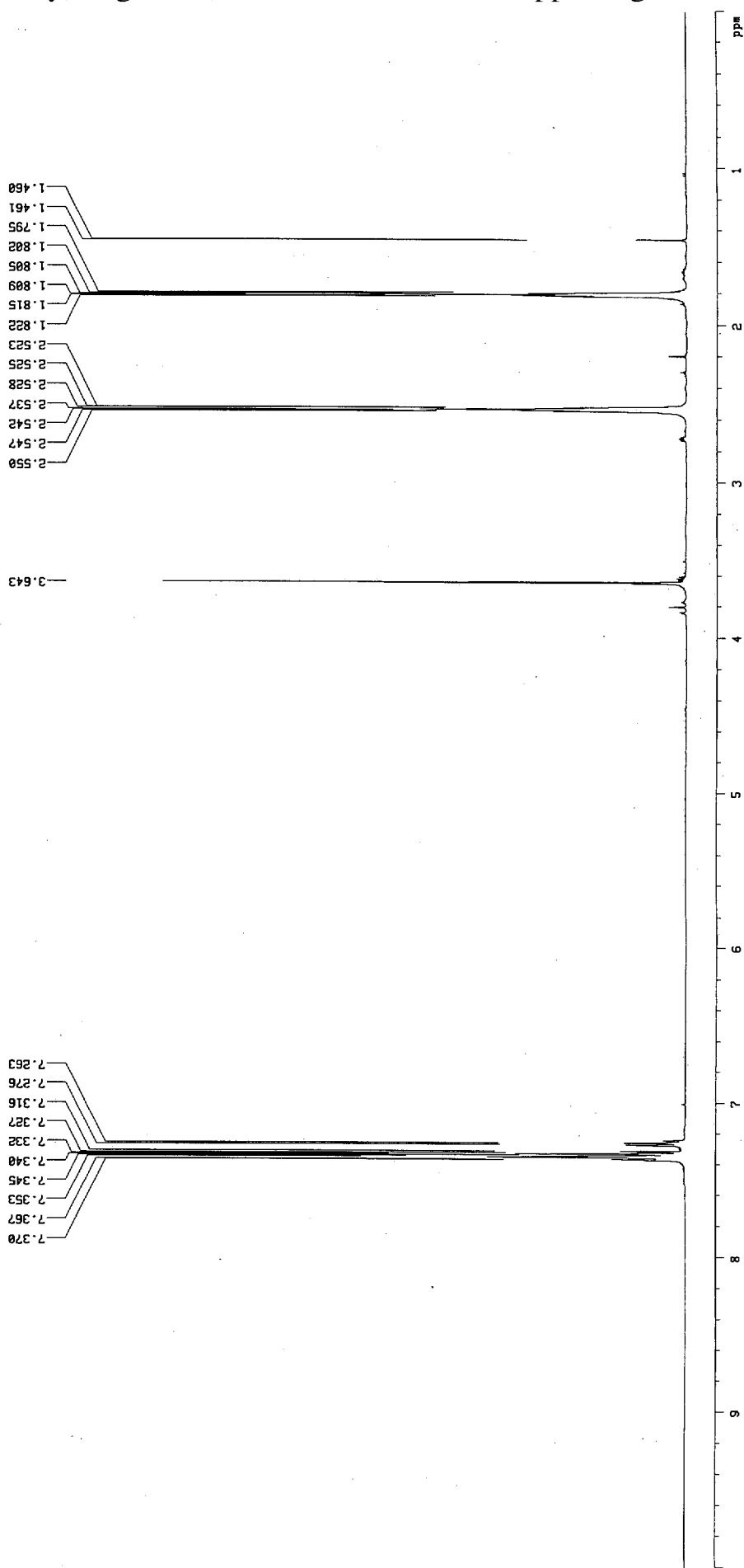
370-nh-307-10mm-1-hwcd13-3-16-99
expl 32jul
SAMPLE DEC 8 UT
date Mar 16 98 dfrq 499.378 H1
solvent CDCl3 dn 30 H1
PROBHD 5 mm QNP 1H/13C CPDPR 50
ACQUISITION exp 0pr 30
afrq 499.378 dm ma 600
ln 1.10 dm c
nu 300.72 dscq 600
nu 8000.0 drcs 1.0
hb 4000 hms h
lpur 61 copy DECE 25.0
pu 5.0 dfrq2 0
pc 1.00 drcs 1
sf 0 drcs2 1
nl 20 ddfz 0
cl 20 ddfz 0
cl 20 ddfz 0
gain 20 ddfz 200
FLAGS n ddcq2
a n drcs2 1.0
dpr u hms PROCESSING n
hb DISPUR -6.2 fr c not used f
va 4992.5 msh 8 warr
uc 650 wcpf
hzam 19.97 wba
f1 5136.5 unt
rfp 3628.9
LA 1.38
nu 1.000
pa
    
```



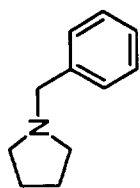
2



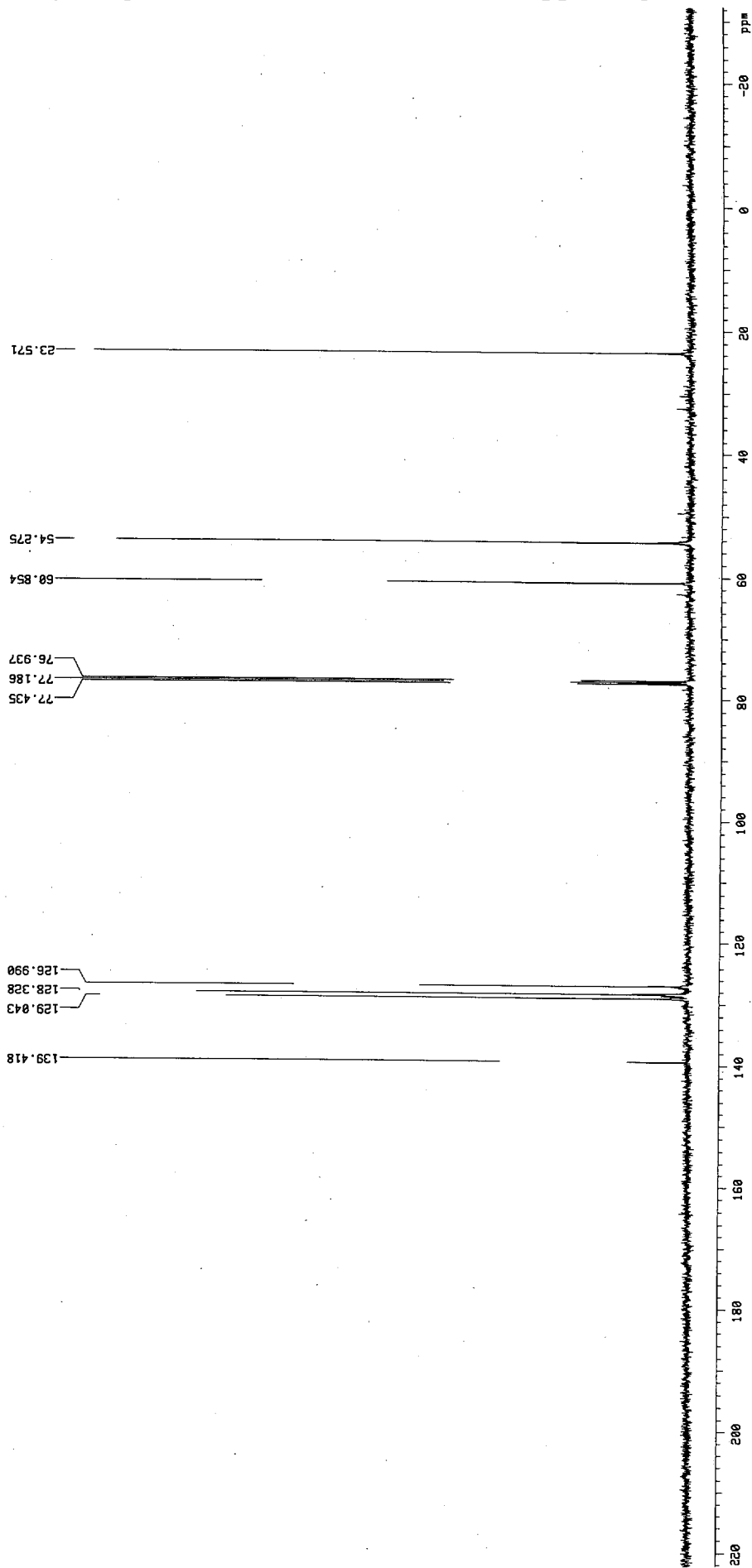
Compound 3a
¹H NMR



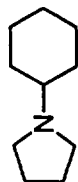
3



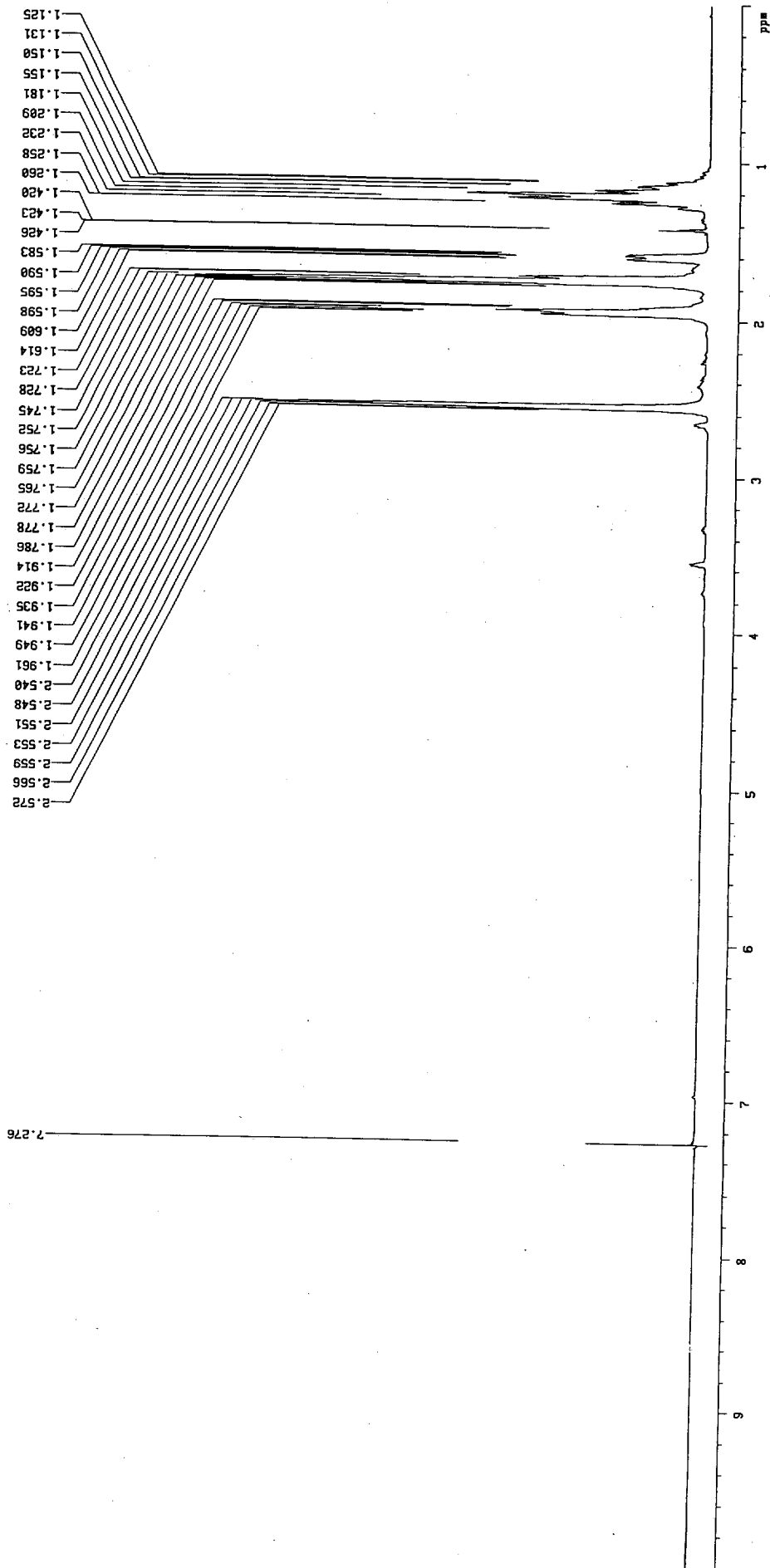
Compound 3a
¹³C NMR



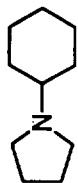
5



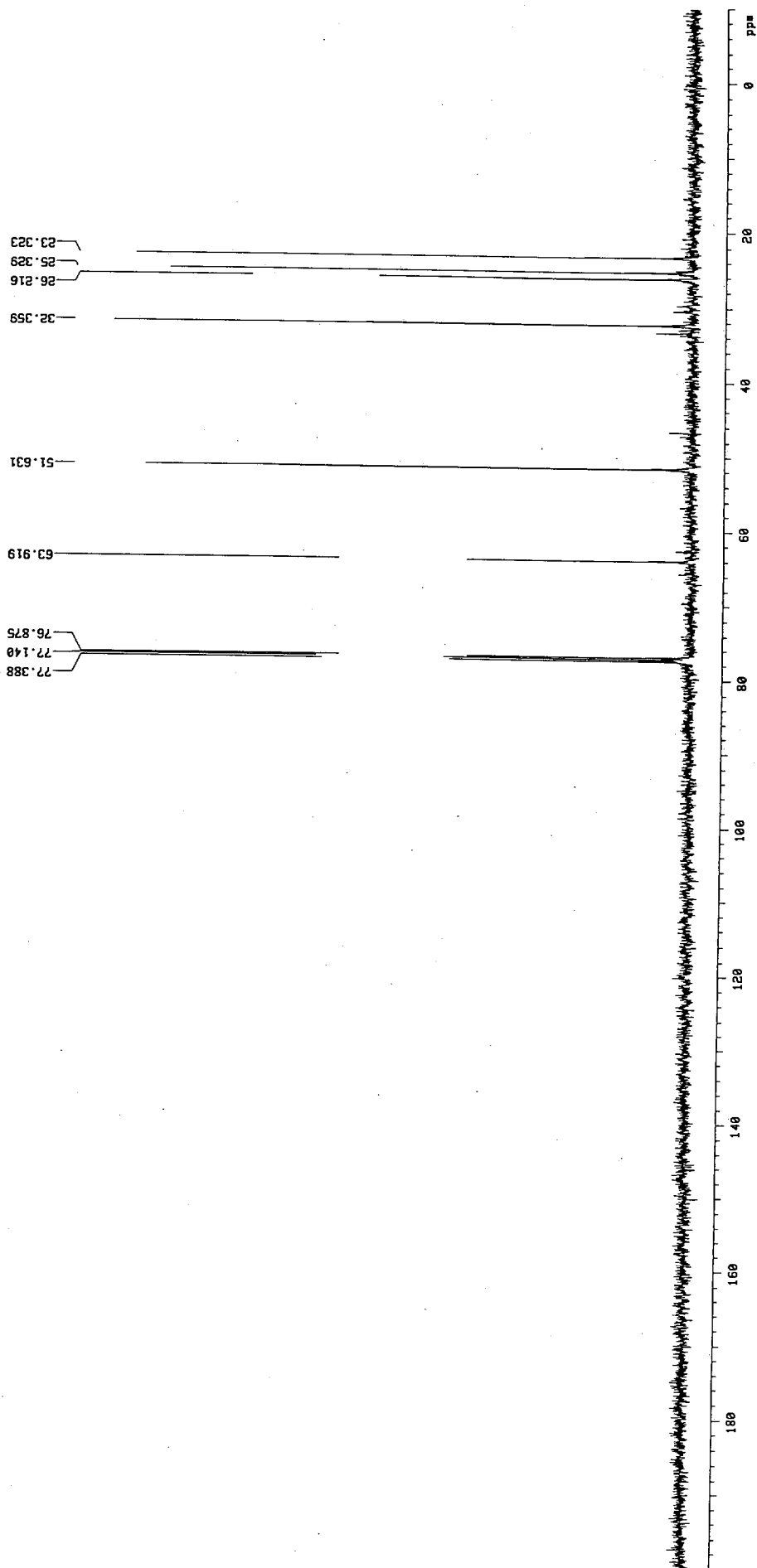
Compound 3b
¹H NMR



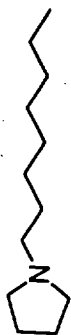
9



Compound 3b
¹³C NMR



(2)



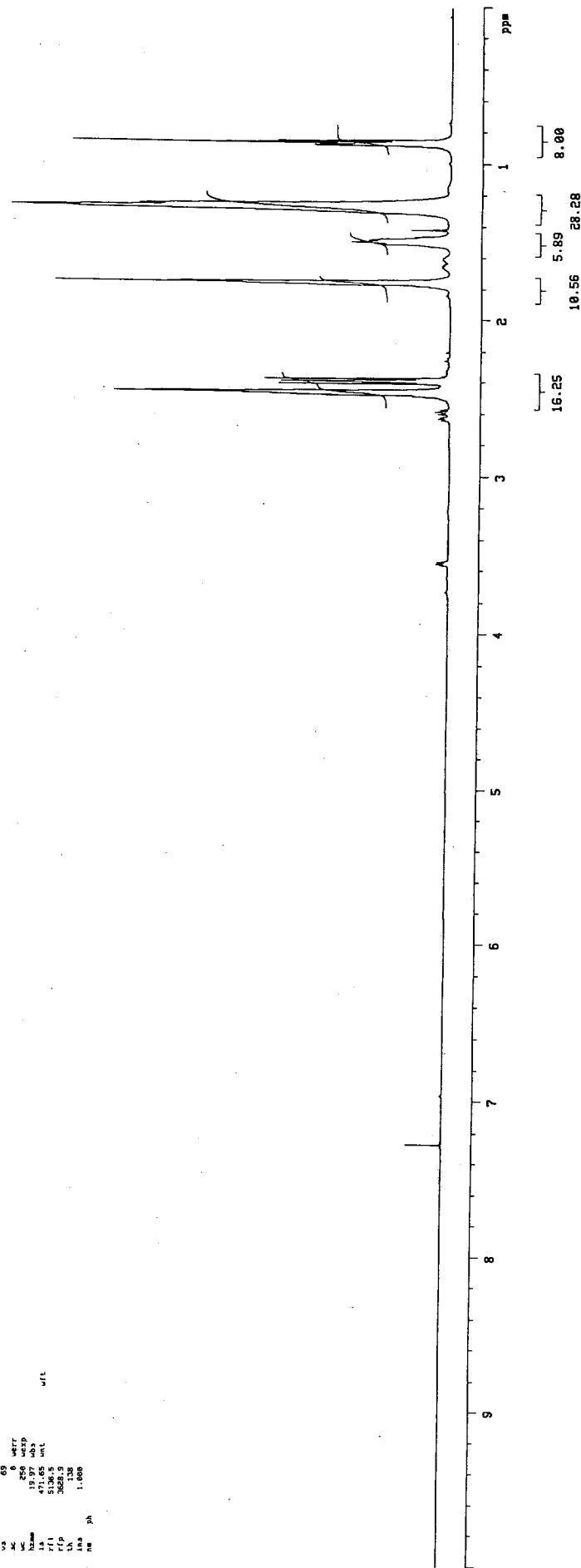
Compound 3c
¹H NMR

35-rectylpyrrolidine-lab-resh-h-cdc13

exp1 sep1

```

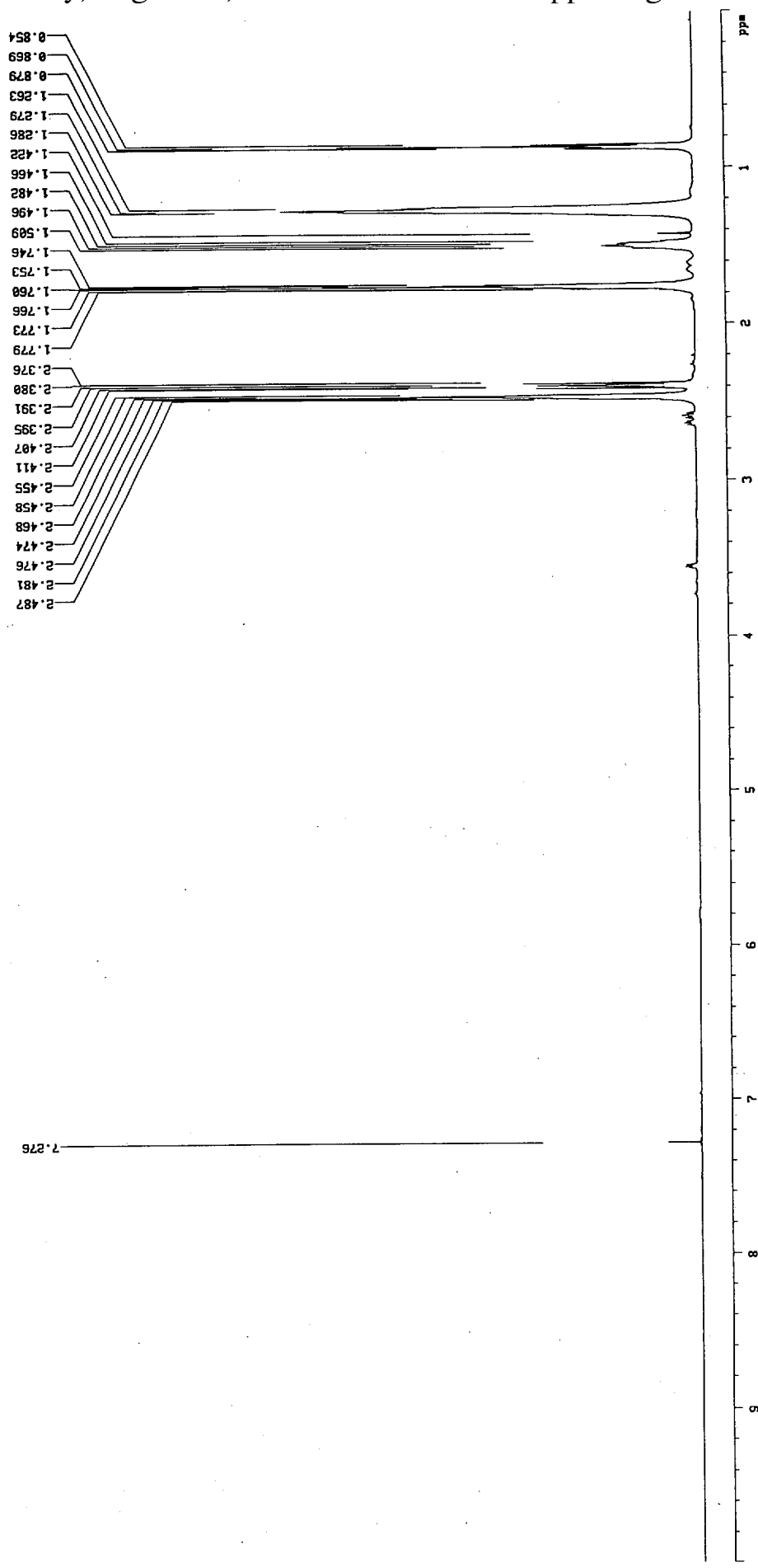
SAMPLE          REC. & UT
date   Mar 19 99   dirq   499.270
solvent cdcl3   da
f1   499.270   sp   90
f2   499.270   sp   90
f3   499.270   sp   90
f4   499.270   sp   90
f5   499.270   sp   90
f6   499.270   sp   90
f7   499.270   sp   90
f8   499.270   sp   90
f9   499.270   sp   90
f10  499.270   sp   90
f11  499.270   sp   90
f12  499.270   sp   90
f13  499.270   sp   90
f14  499.270   sp   90
f15  499.270   sp   90
f16  499.270   sp   90
f17  499.270   sp   90
f18  499.270   sp   90
f19  499.270   sp   90
f20  499.270   sp   90
f21  499.270   sp   90
f22  499.270   sp   90
f23  499.270   sp   90
f24  499.270   sp   90
f25  499.270   sp   90
f26  499.270   sp   90
f27  499.270   sp   90
f28  499.270   sp   90
f29  499.270   sp   90
f30  499.270   sp   90
f31  499.270   sp   90
f32  499.270   sp   90
f33  499.270   sp   90
f34  499.270   sp   90
f35  499.270   sp   90
f36  499.270   sp   90
f37  499.270   sp   90
f38  499.270   sp   90
f39  499.270   sp   90
f40  499.270   sp   90
f41  499.270   sp   90
f42  499.270   sp   90
f43  499.270   sp   90
f44  499.270   sp   90
f45  499.270   sp   90
f46  499.270   sp   90
f47  499.270   sp   90
f48  499.270   sp   90
f49  499.270   sp   90
f50  499.270   sp   90
f51  499.270   sp   90
f52  499.270   sp   90
f53  499.270   sp   90
f54  499.270   sp   90
f55  499.270   sp   90
f56  499.270   sp   90
f57  499.270   sp   90
f58  499.270   sp   90
f59  499.270   sp   90
f60  499.270   sp   90
f61  499.270   sp   90
f62  499.270   sp   90
f63  499.270   sp   90
f64  499.270   sp   90
f65  499.270   sp   90
f66  499.270   sp   90
f67  499.270   sp   90
f68  499.270   sp   90
f69  499.270   sp   90
f70  499.270   sp   90
f71  499.270   sp   90
f72  499.270   sp   90
f73  499.270   sp   90
f74  499.270   sp   90
f75  499.270   sp   90
f76  499.270   sp   90
f77  499.270   sp   90
f78  499.270   sp   90
f79  499.270   sp   90
f80  499.270   sp   90
f81  499.270   sp   90
f82  499.270   sp   90
f83  499.270   sp   90
f84  499.270   sp   90
f85  499.270   sp   90
f86  499.270   sp   90
f87  499.270   sp   90
f88  499.270   sp   90
f89  499.270   sp   90
f90  499.270   sp   90
f91  499.270   sp   90
f92  499.270   sp   90
f93  499.270   sp   90
f94  499.270   sp   90
f95  499.270   sp   90
f96  499.270   sp   90
f97  499.270   sp   90
f98  499.270   sp   90
f99  499.270   sp   90
f100 499.270   sp   90
    
```



8



Compound 3c
¹H NMR



(b)

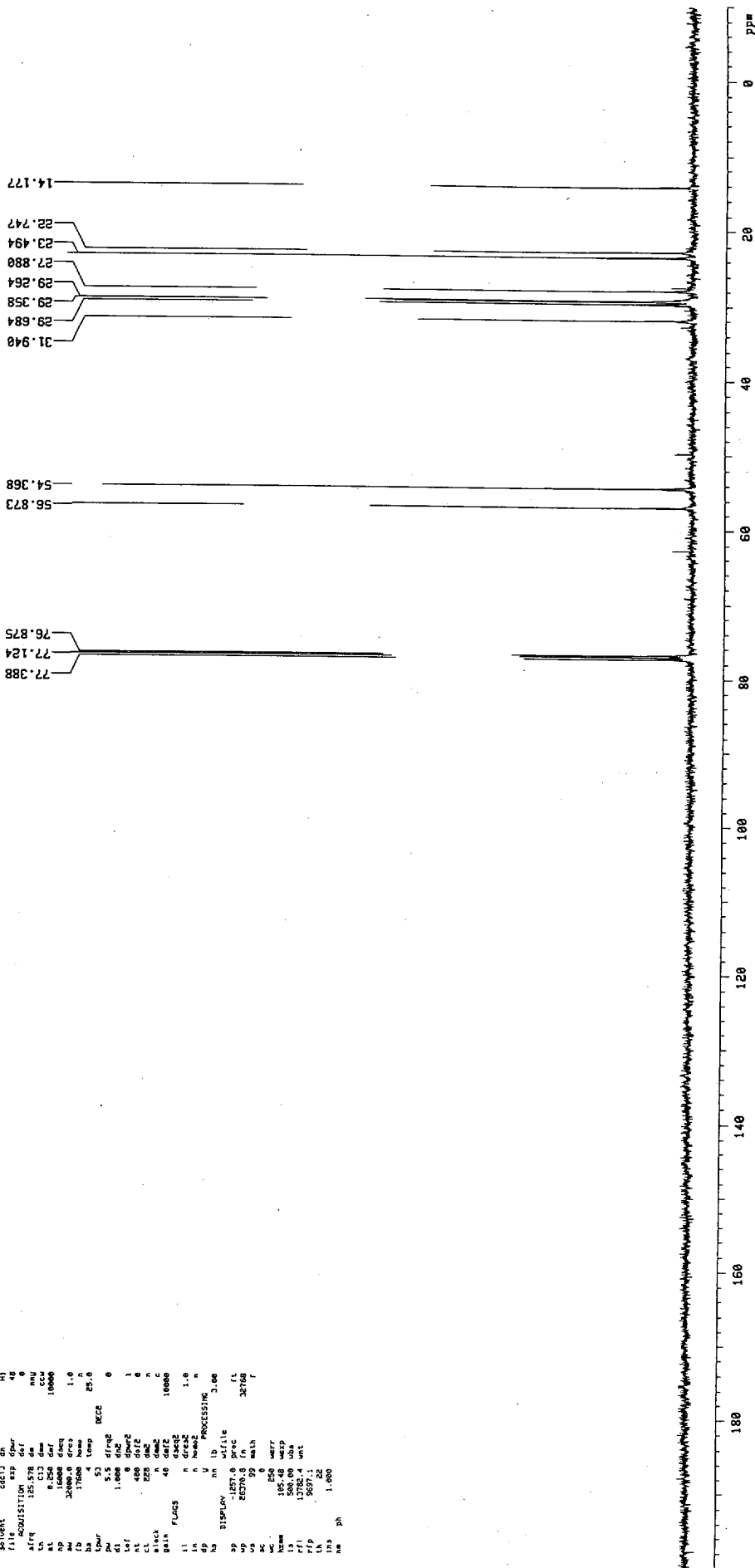


Compound 3c
13C NMR

375-n-octyl-pyrrolidine-lab-redn-13c-cdc

```

exp1_323u1
date      Mar 19 99      REC: A UT
solvent   cdcl3          400.1376
file      acquisition     48
instr     spect
afrc      125.578      da
ch        C13          10000
at        0.250      dar
sm        25000.0      dr33
zb        17500      hnmw
pc        53          temp
pcar      5.15         dr32
pcd       1.000        dr32
pcf       400          dr32
pcr       220          dr32
black     40          dr32
gain      40          dr32
flags    10000
ll        n dr32      1.0
ll        n hnmw      1.0
hs        n          PROCESSING
sp        25379.0      in
sp        25379.0      f1
vs        99          math
ac        250         warr
h2nmw    105.48      warr
f1       500.00      obs
f2p      5027.1     wnt
f3       22
f4       1.000
na
no
  
```



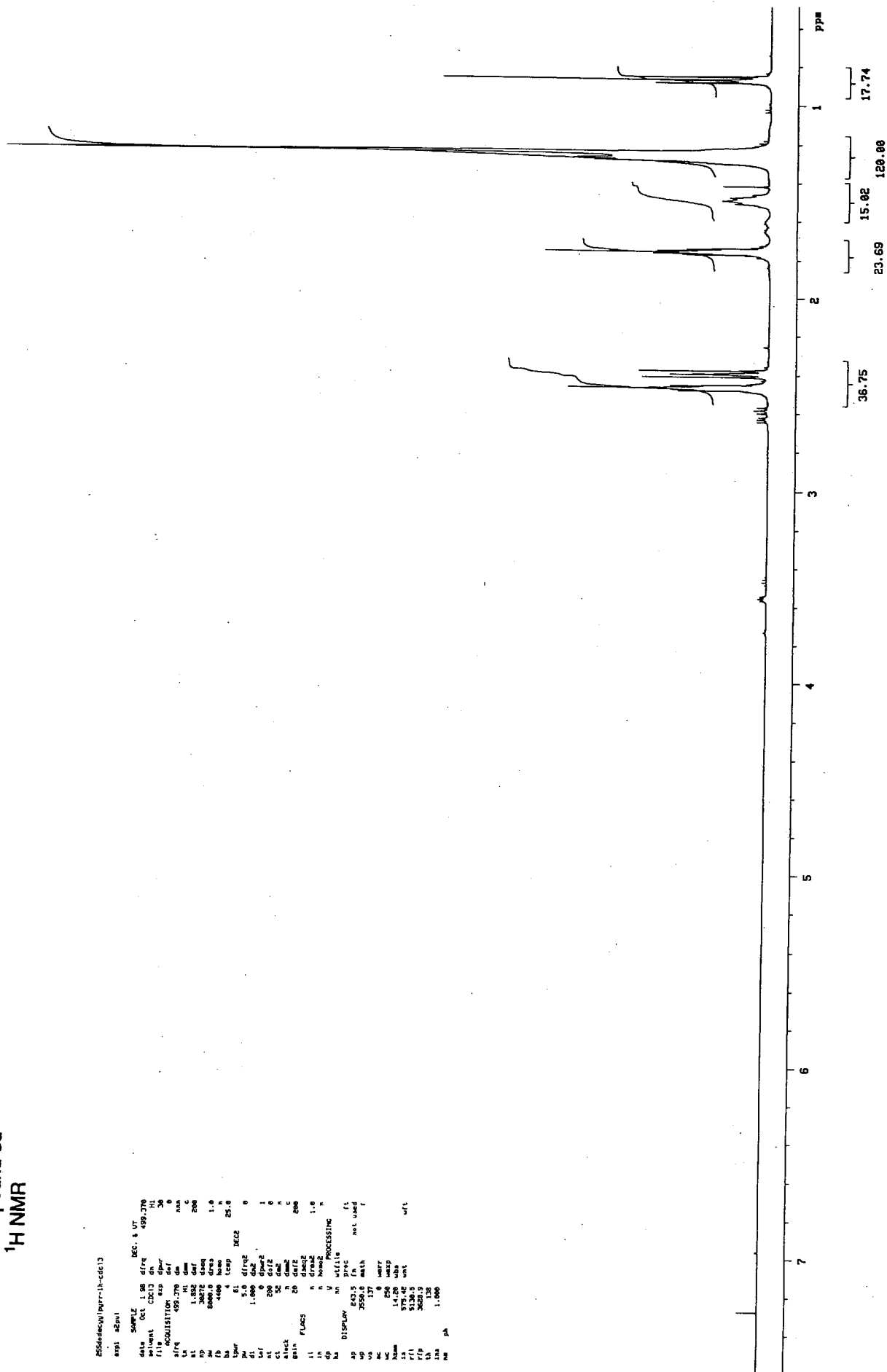
91



Compound 3d
¹H NMR

```

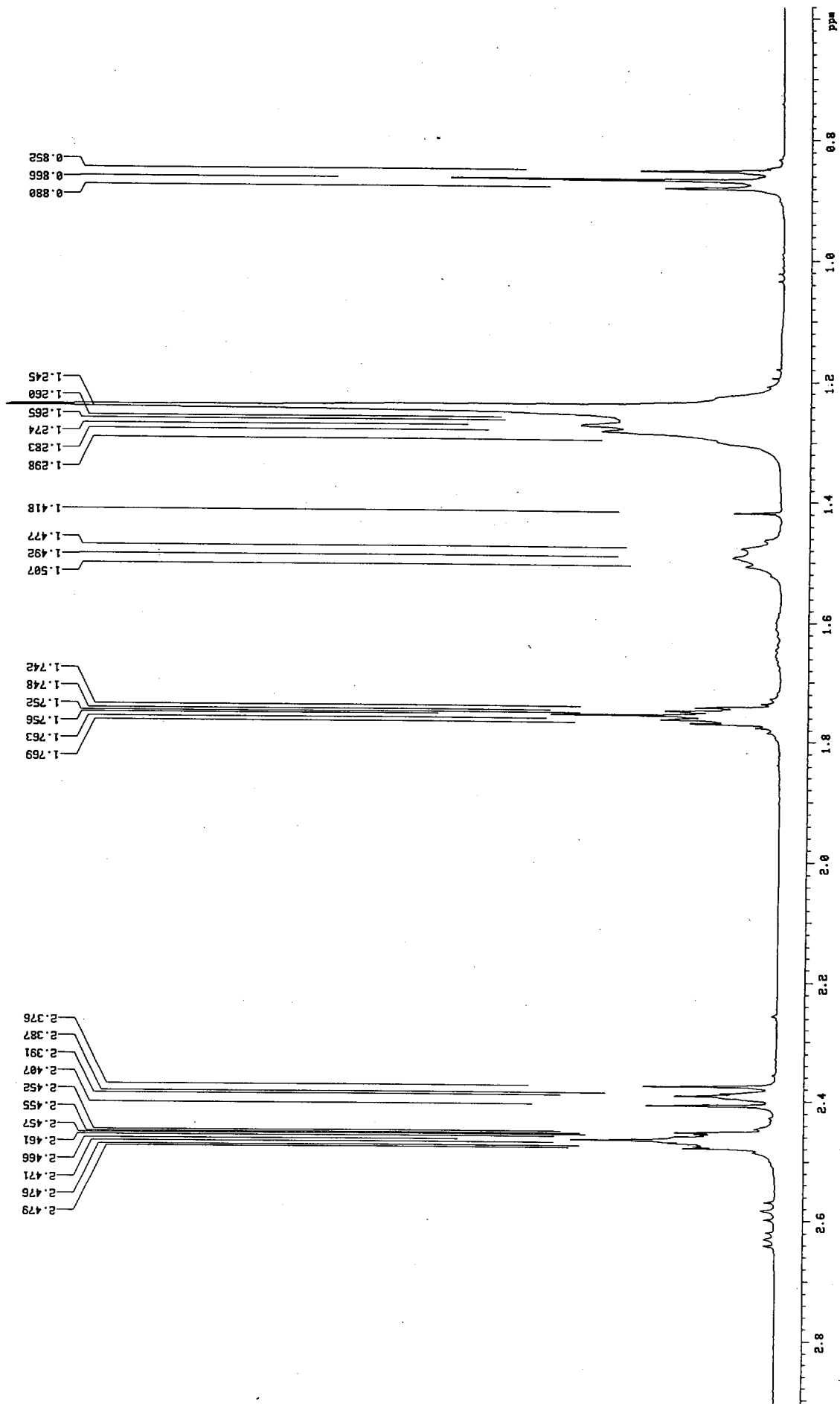
2564ndevj1nrrr1h-cd13
ap1 a2v1
SAMPLE 1.00 dfrq 499.770
solvent OCT CDCl3 dn
fil COLLECTOR esp dpr
afrq 499.770 dr
ls 1.00 HI dm
rs 3272 daf
ts 3000.0 drrs 1.0
fb 4400 hno
lspr 81 texp 3622 25.6
pr 5.0 dfrq2
dl 1.000 daz
at 500 5512
cl 50 daz
nm 1.000 hno
p1h PLUGS n draz 1.0
ll u hno PROCESSING
m DISPLAY an ufile
sp 842.5 prec
up 2550.0 m1h
us 137 udr
ac 200 udr
Name 14.20 udr
f1 5134.45 udr
f1b 3629.5
ln 138
ms 1.000
    
```



11



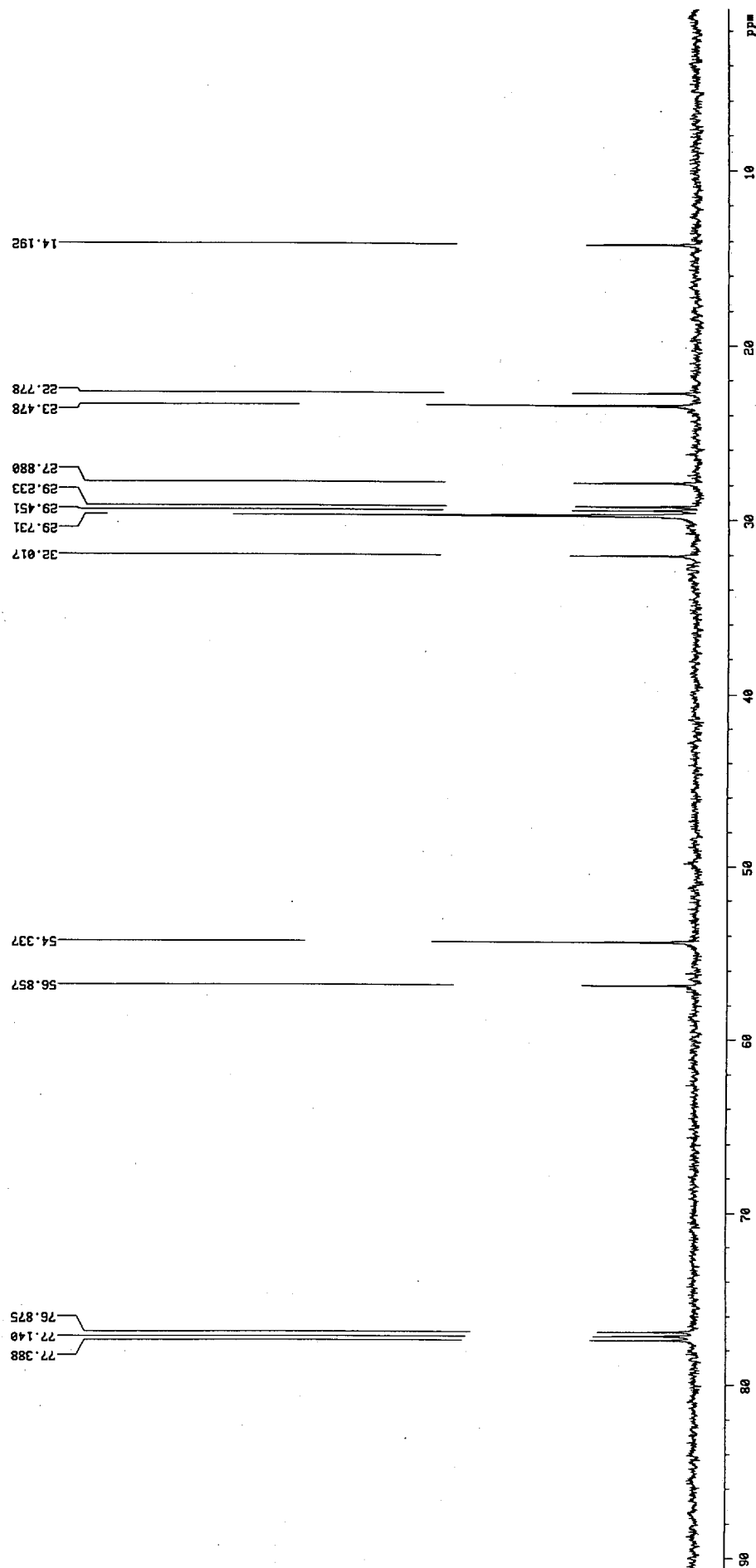
Compound 3d
¹H NMR



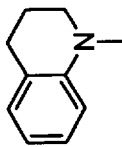
(12)



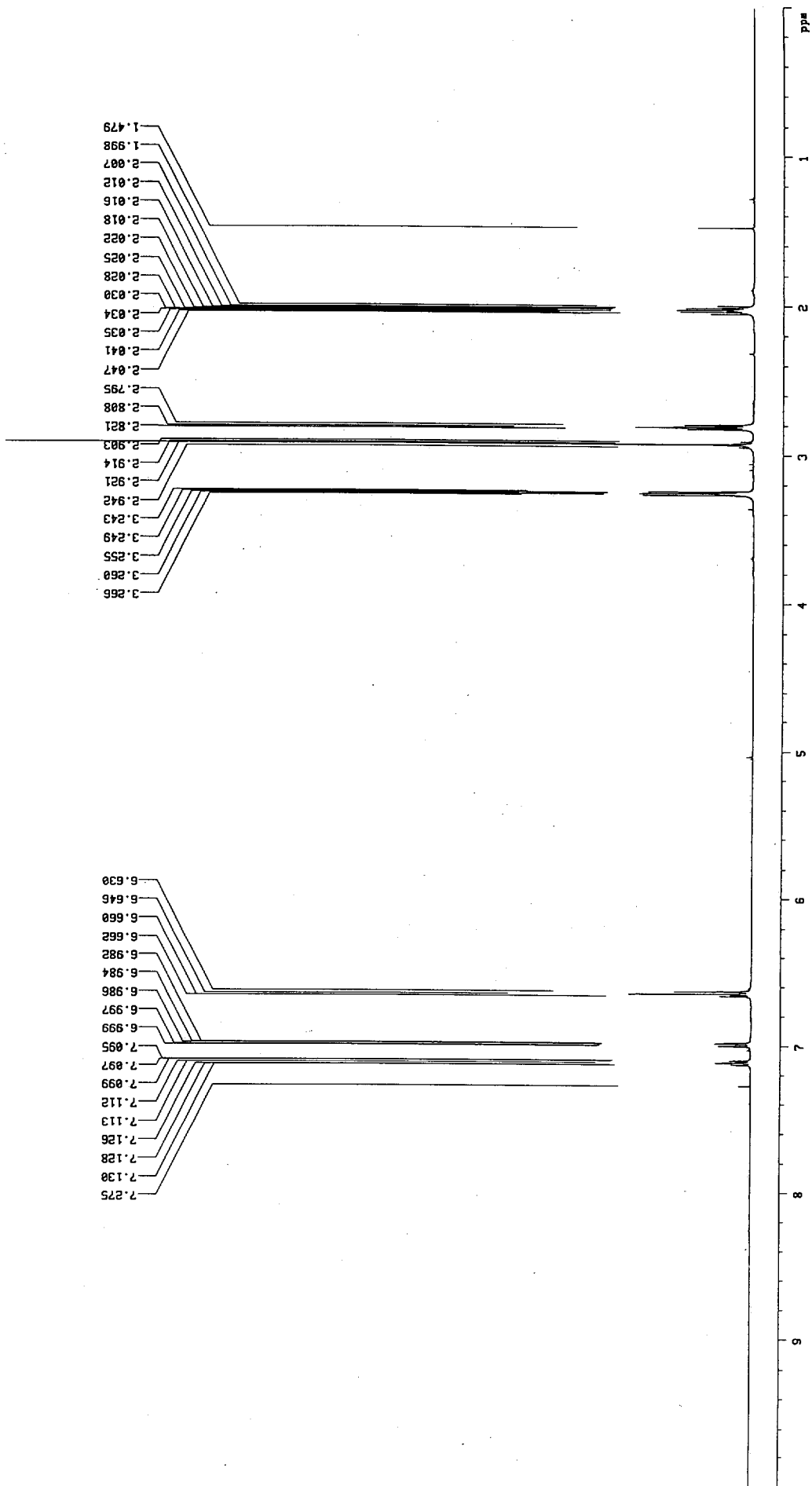
Compound 3d
¹³C NMR



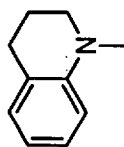
h1



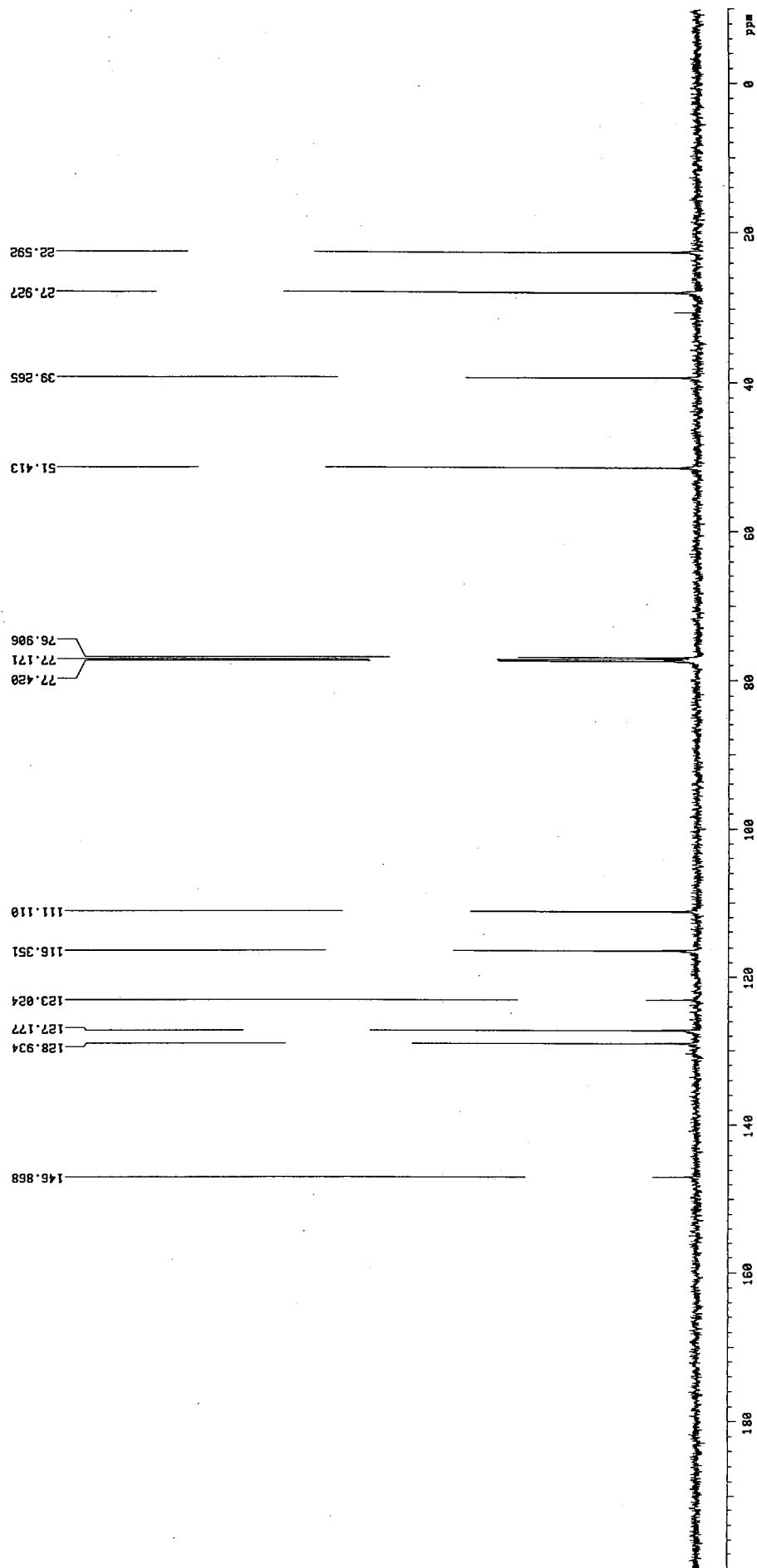
Compound 3e
¹H NMR



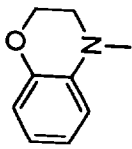
15



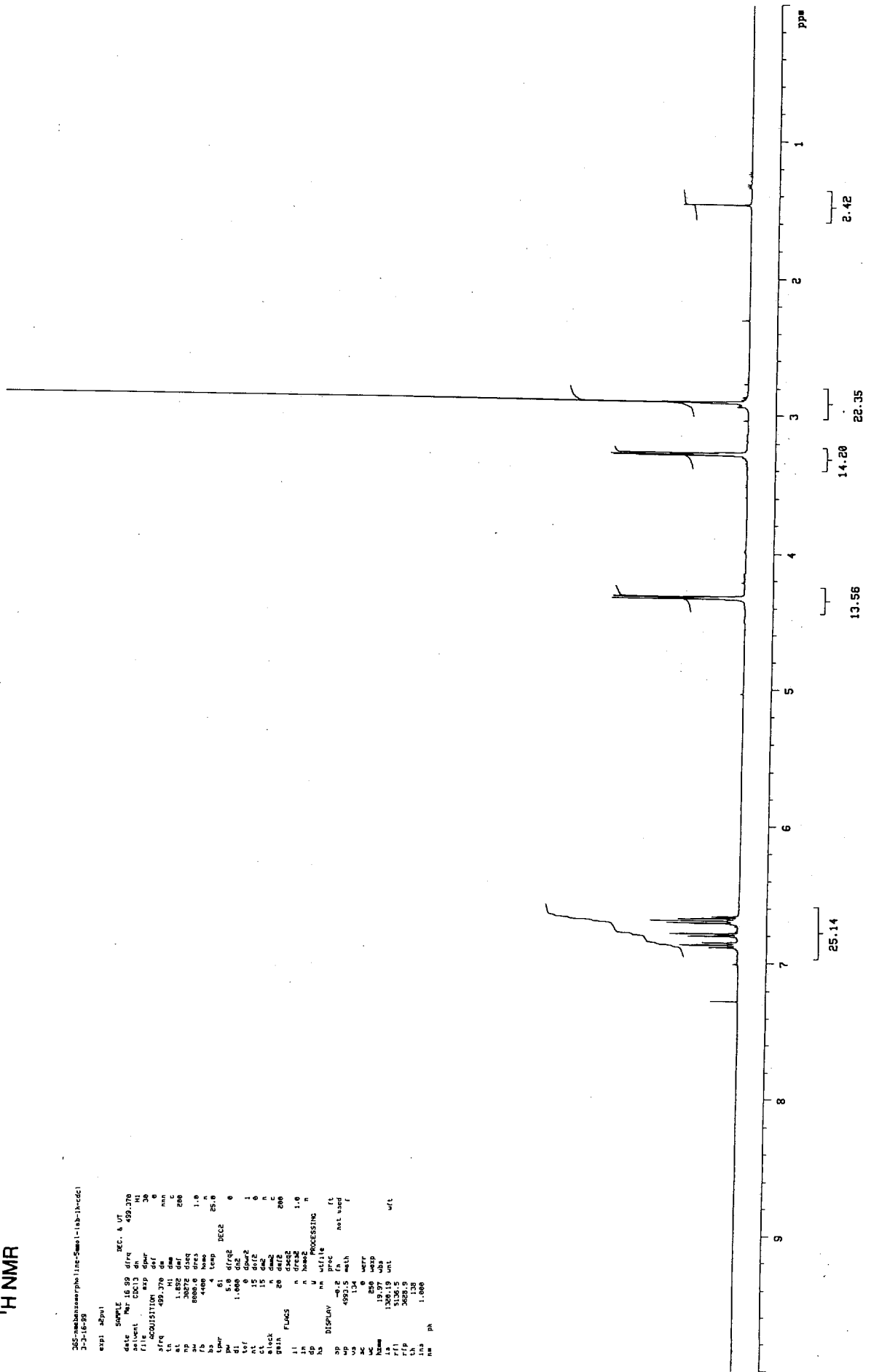
Compound 3e
¹³C NMR



91



Compound 3f
¹H NMR



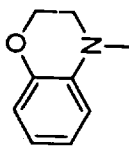
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365-mchbasmorpholine-5-methyl-1-abb-jrcccl
expt1 2Pw1

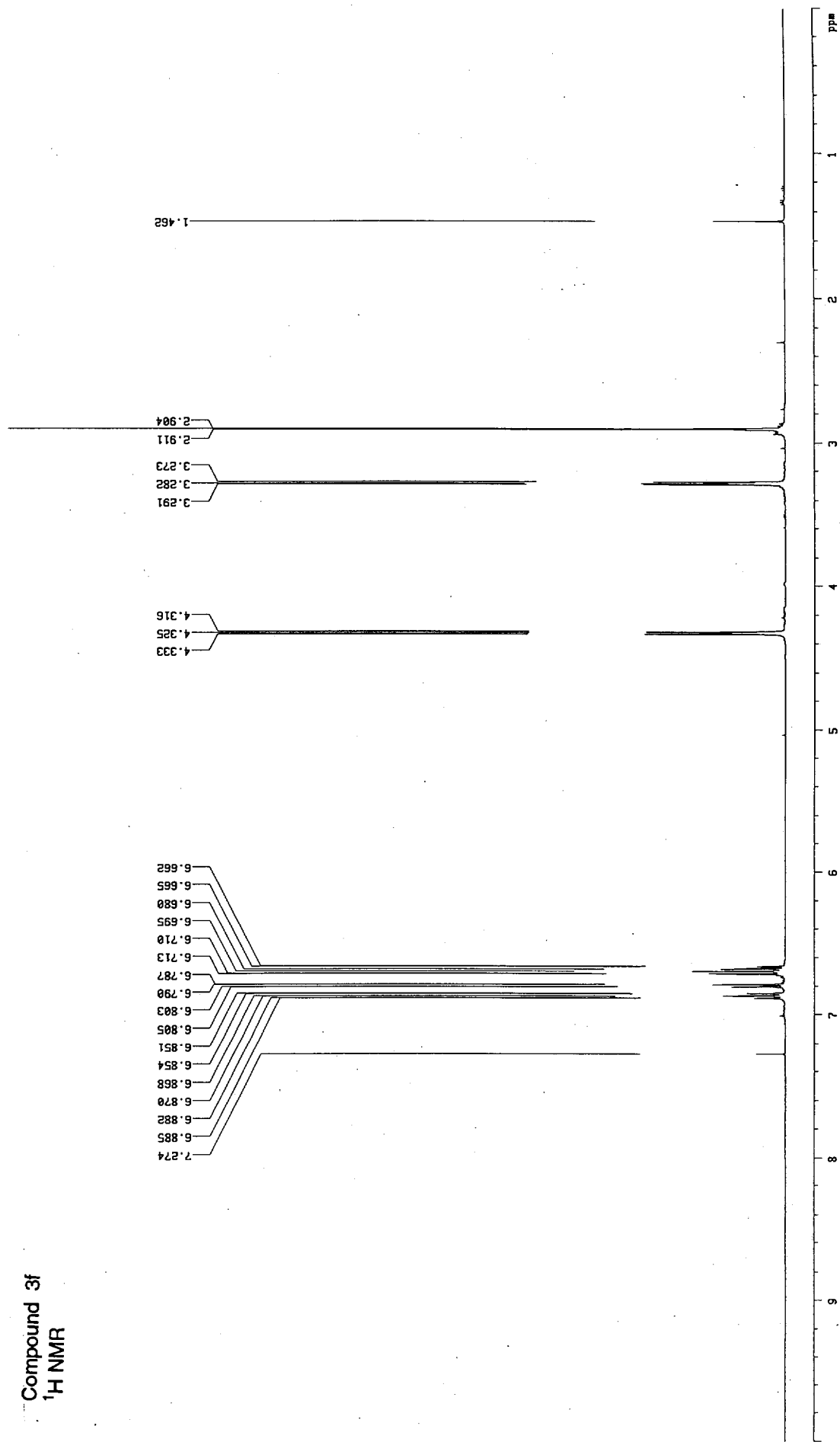
SOLVE      DEC. 4 UT
date       NR 16 39  dircl   499.370
solvent    NR CDCl3  dn
f1         sp          3p
acquisition  exp dpr
sfreq      499.370  dr
c1         1.000  dm
t1         3.272  dde
w1         3072  daf
g1         8000.0  drs3  1.0
f2         4480  hmo
lpmw       61  temp  DECC  25.0
pw         5.0  dfrq2  0
t1         1.000  daz
ns         15  ds12  1
cl         15  ds2
ct1         20  ds32  200
PRN1
PLG1
h1         n  drcs2  1.0
h2         u
hb         u
DISPLAY    -a2  proc
up         4992.5  meth
vz         134  wrr
ac         250  wzd0
Name       19.97  w33
f1         1505.19  unt
r1p        3688.5
t1         138
m1         1.000
m2
m3
m4
m5
m6
m7
m8
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m11
m12
m13
m14
m15
m16
m17
m18
m19
m20

```

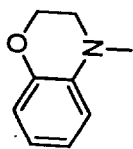

(L)



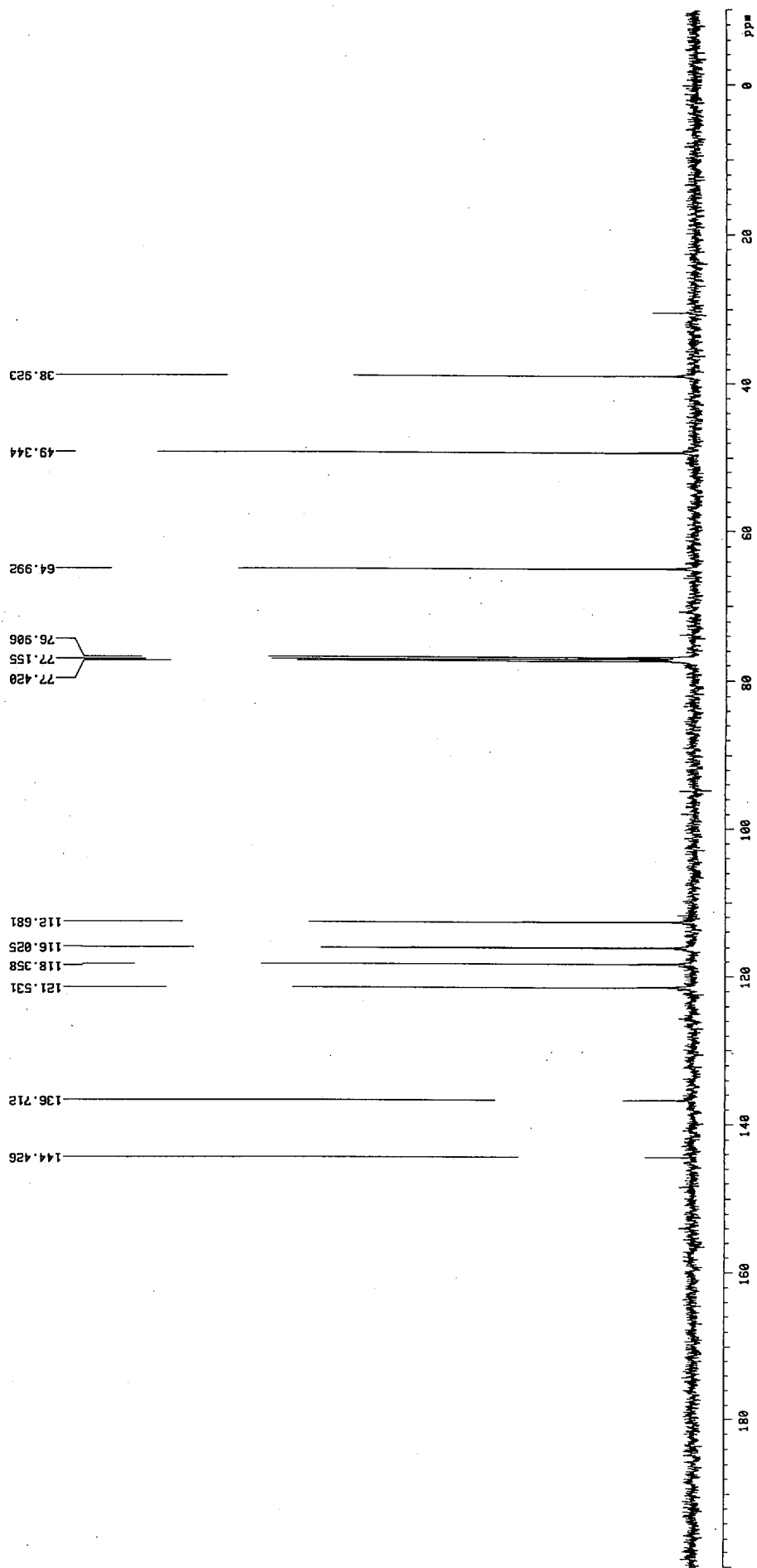
Compound 3f
¹H NMR



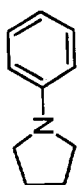
11



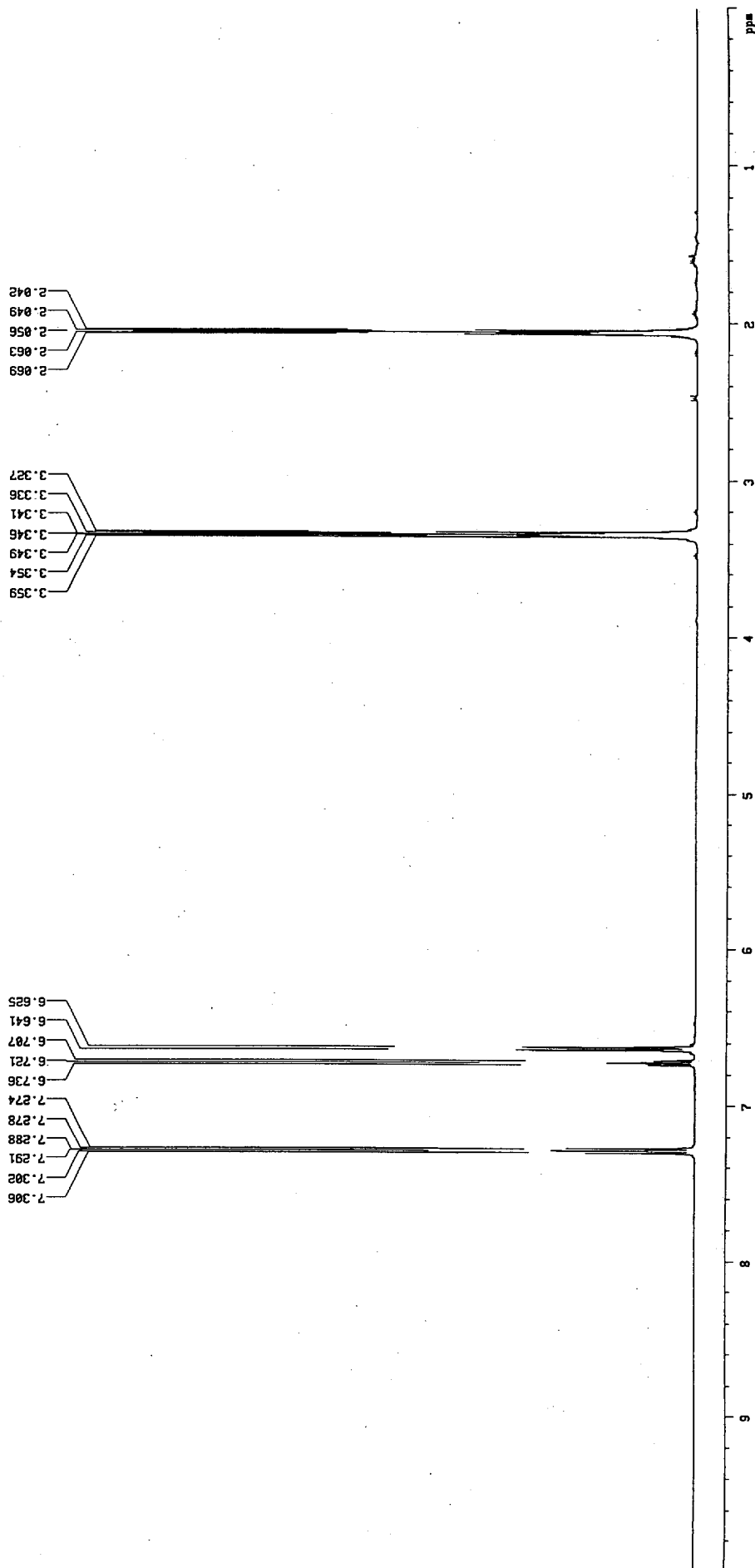
Compound 3f
¹³C NMR



ee



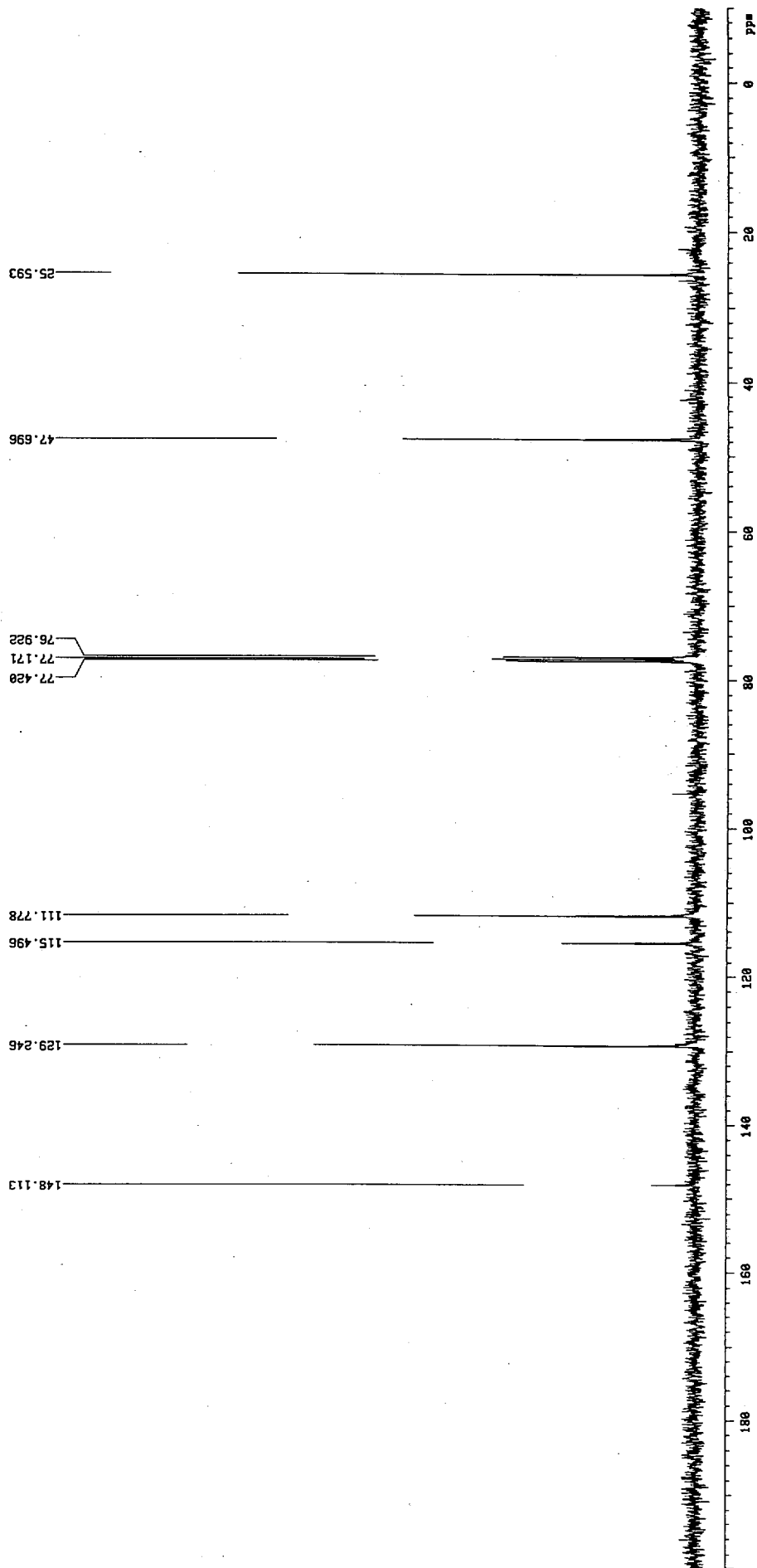
Compound 5
¹H NMR



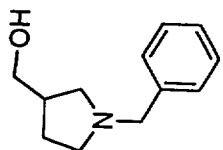
1c



Compound 5
¹³C NMR



CP



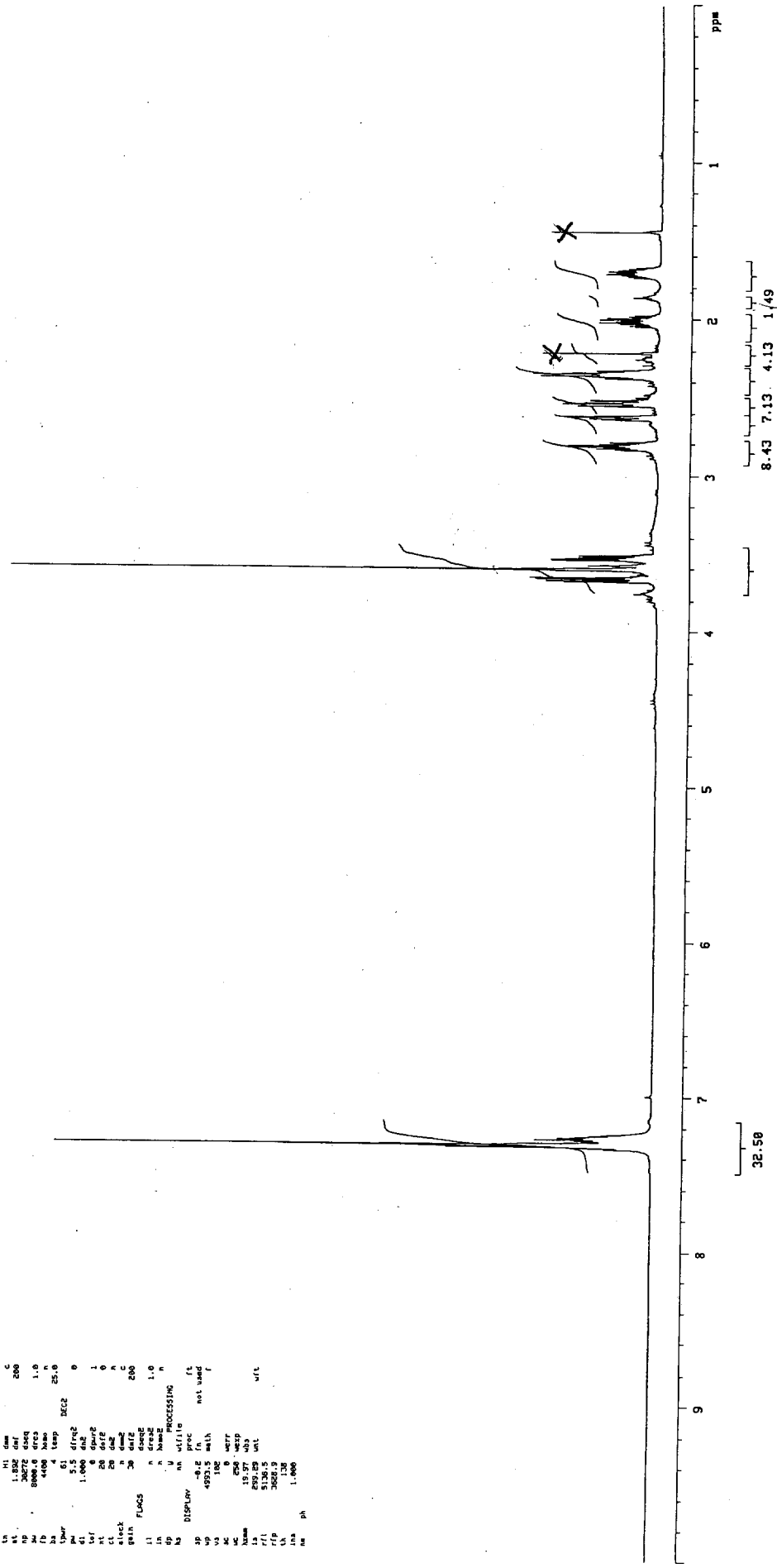
Compound 8
¹H NMR

```

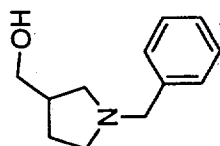
13c-14-99          13c-14-99
exp1_82pul

NAME          14.99  d1r4  DEC. 6 VT
SOLVENT      CDCl3  d8   499.776
FILE         0013  d8   30
ACQUISITION  259  dhr  30
P1RG        429.376  d8   0
IN          H1  dm   480
P2          H1  dm   200
P3          H1  dm   200
P4          H1  dm   200
P5          H1  dm   200
P6          H1  dm   200
P7          H1  dm   200
P8          H1  dm   200
P9          H1  dm   200
P10         H1  dm   200
P11         H1  dm   200
P12         H1  dm   200
P13         H1  dm   200
P14         H1  dm   200
P15         H1  dm   200
P16         H1  dm   200
P17         H1  dm   200
P18         H1  dm   200
P19         H1  dm   200
P20         H1  dm   200
P21         H1  dm   200
P22         H1  dm   200
P23         H1  dm   200
P24         H1  dm   200
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P90         H1  dm   200
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P95         H1  dm   200
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P97         H1  dm   200
P98         H1  dm   200
P99         H1  dm   200
P100        H1  dm   200

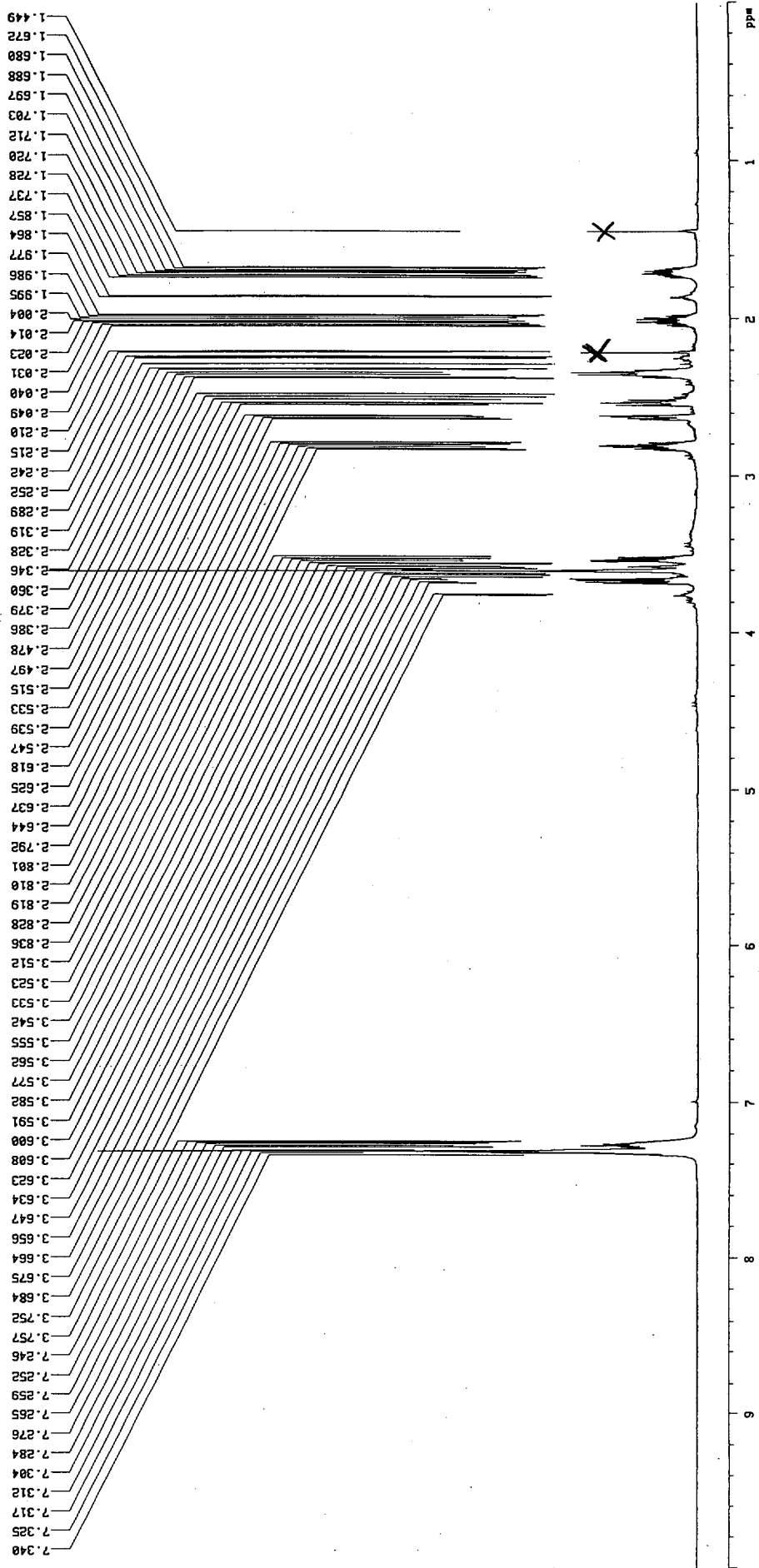
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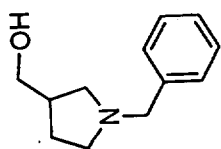
33



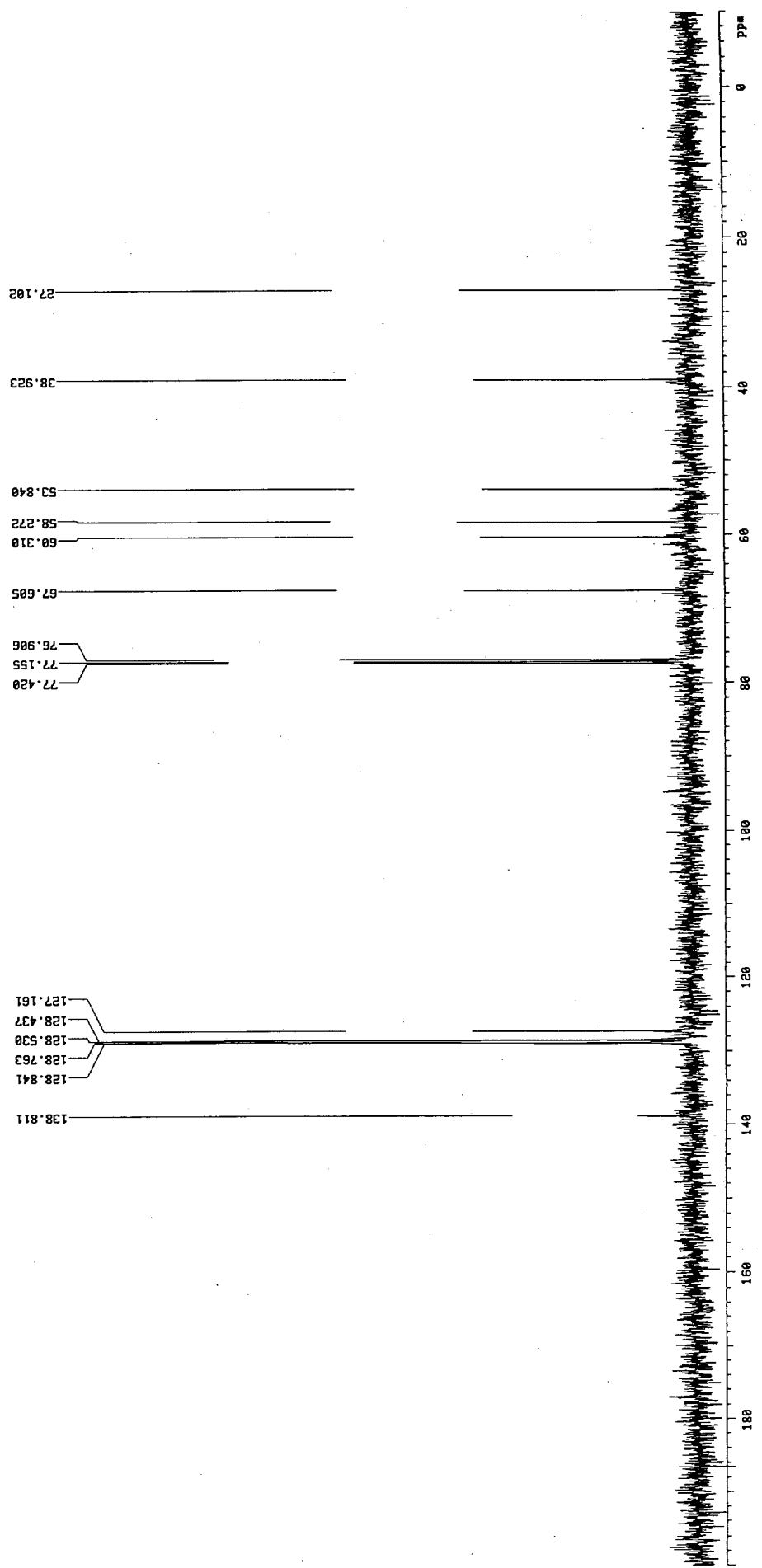
Compound 8
¹H NMR



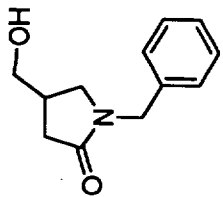
12



Compound 8
13C NMR



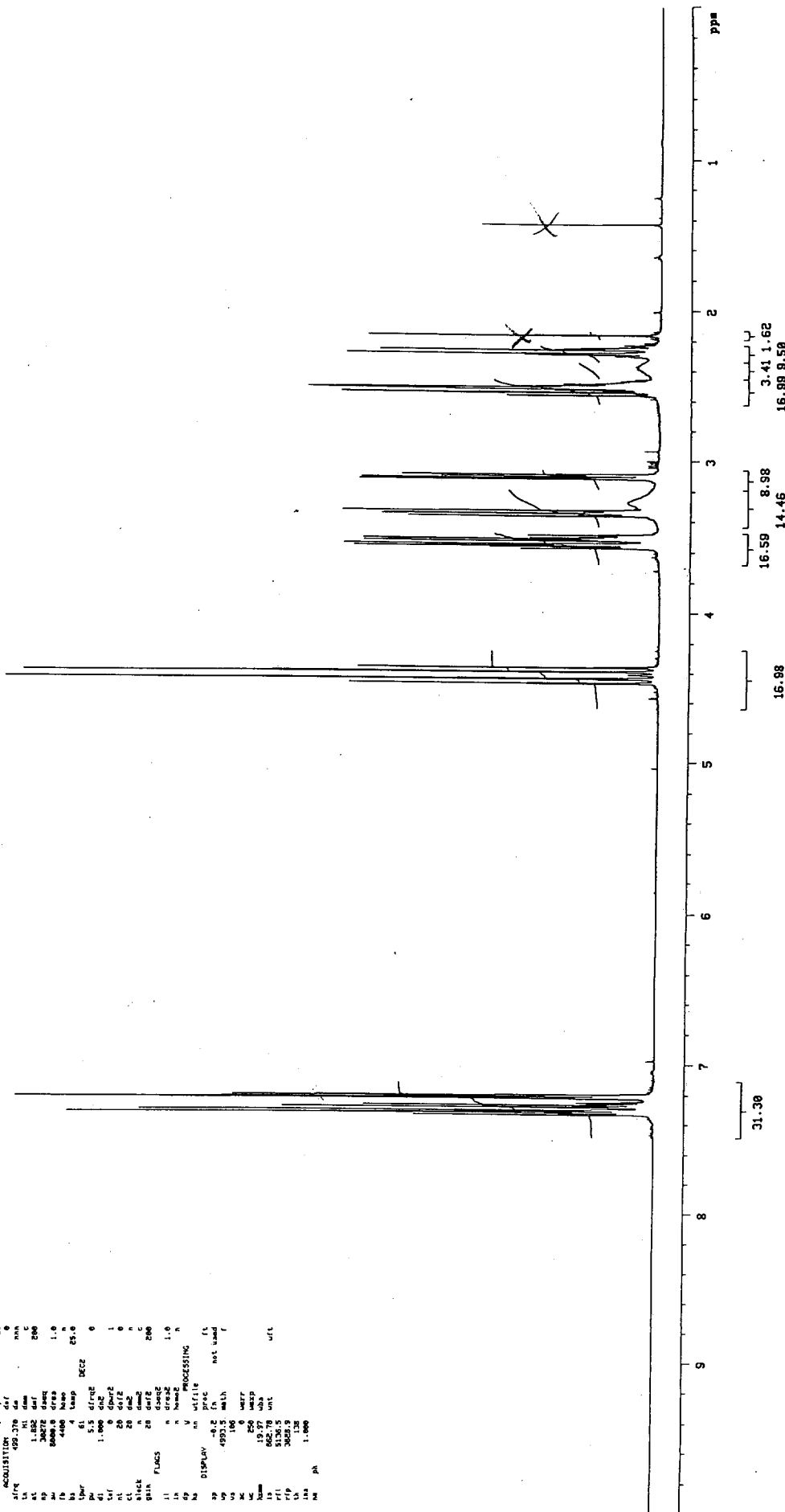
52

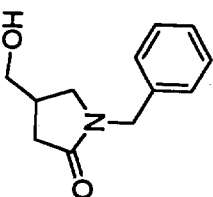


Compound 9
1H NMR

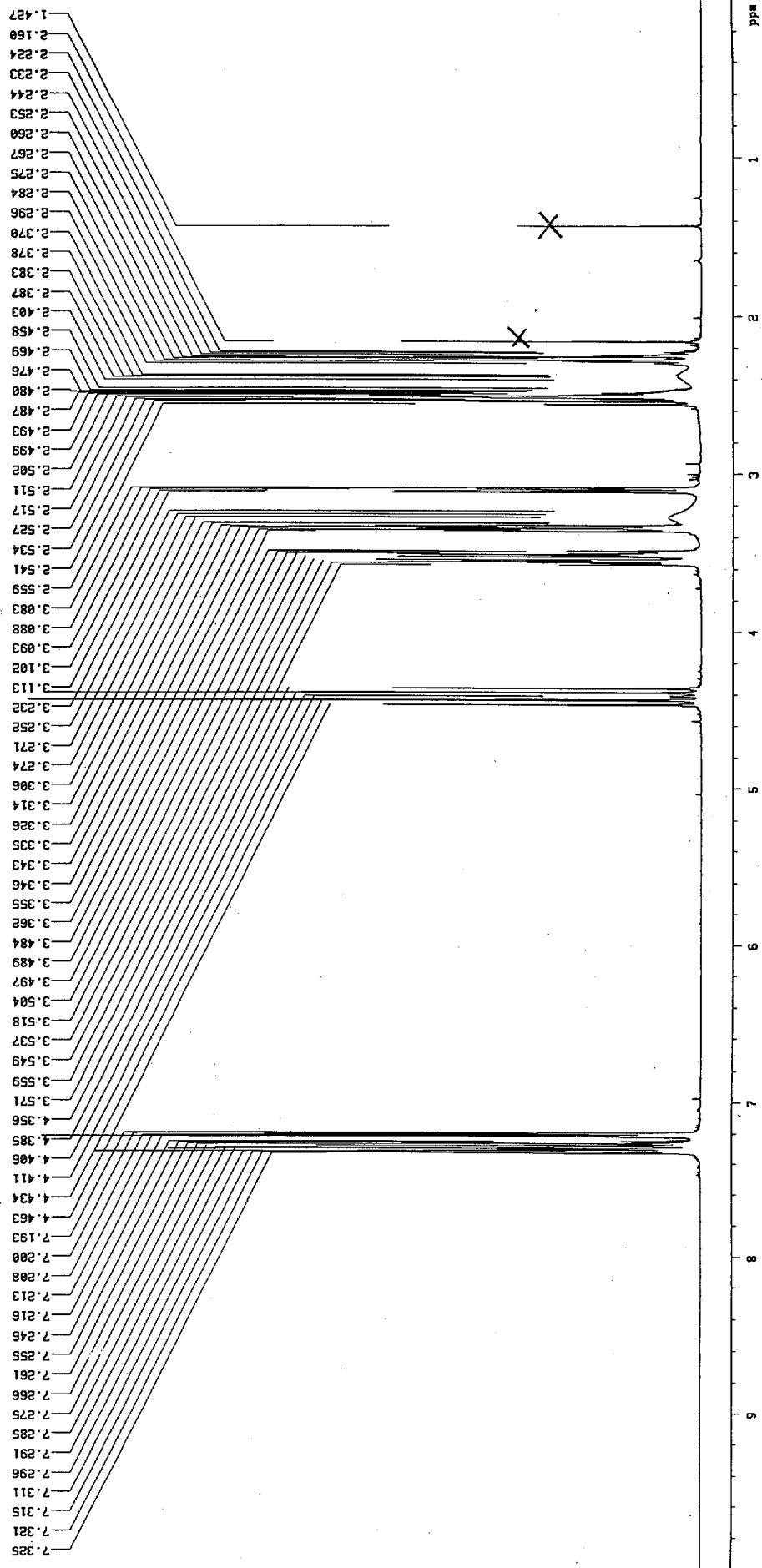
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378-mh-000-NMR-1.26g11Nbwaz-18-1
1-dcd12-12-99
exp1 a2pu)
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data  SAMPLE          SEC. LUT
  solvent CDCl3 d6
  file 099.278
  a1 099.278
  a2 099.278
  a3 099.278
  a4 099.278
  a5 099.278
  a6 099.278
  a7 099.278
  a8 099.278
  a9 099.278
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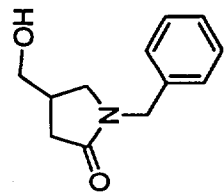




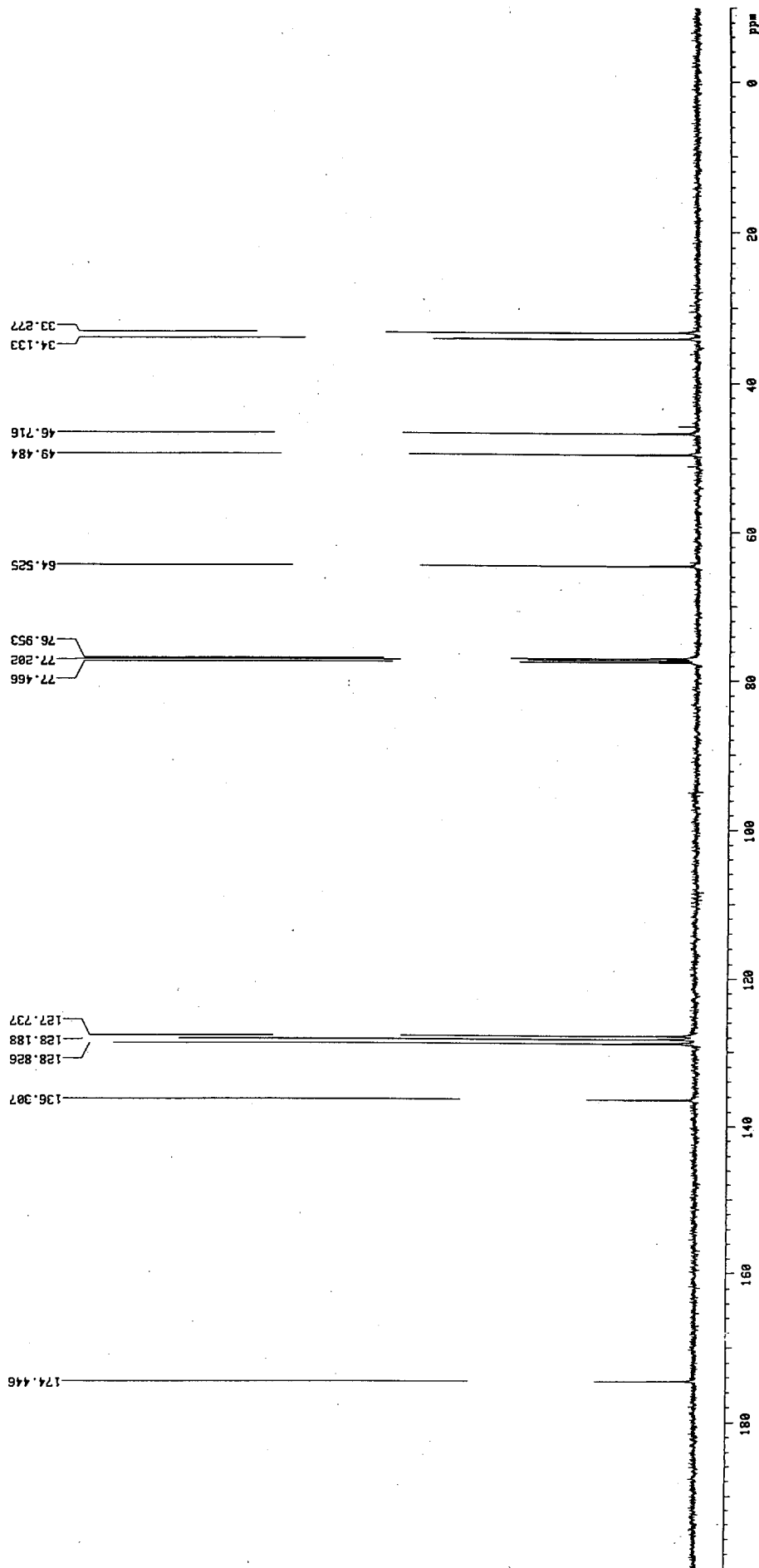
Compound 9
¹H NMR



610

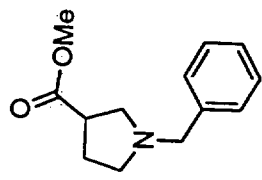


Compound 9
¹³C NMR



(12)

(25)



Compound 10
¹³C NMR

