JOC The Journal of Organic Chemistry

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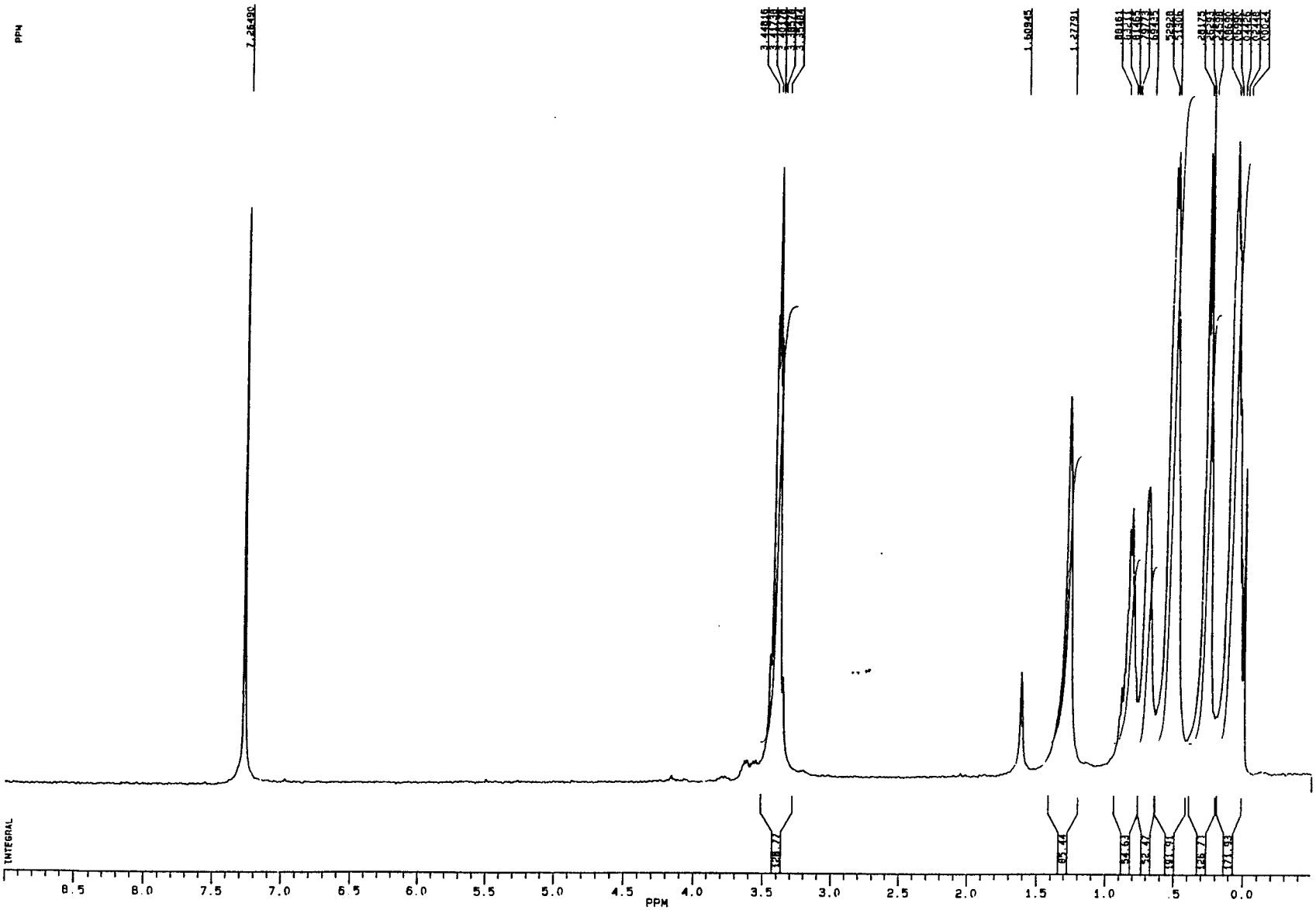

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TE 297

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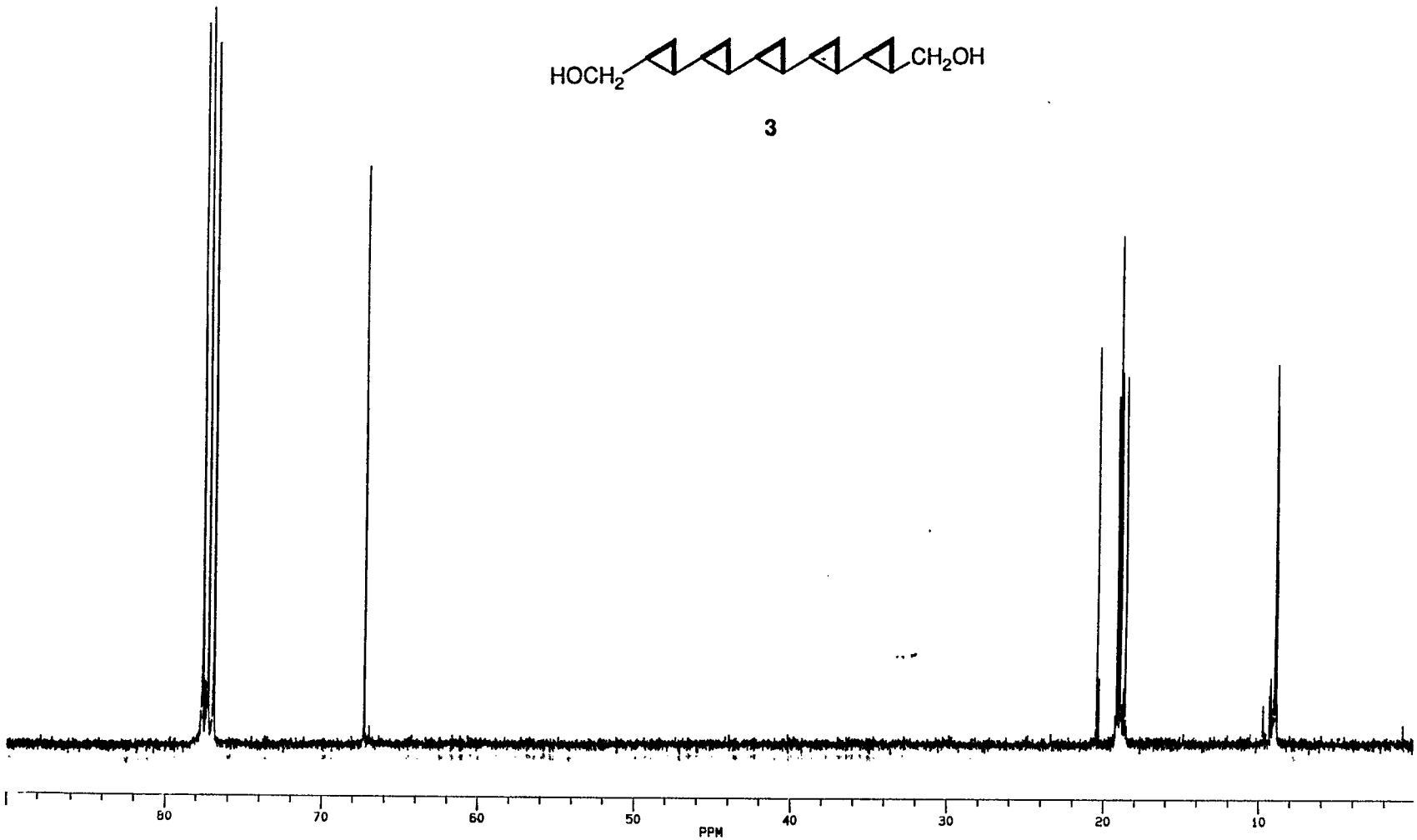

Figure 7. Carbon-13 NMR spectrum of bicyclo-[1.1.1]-pentane-1,3-dimethanol (3)

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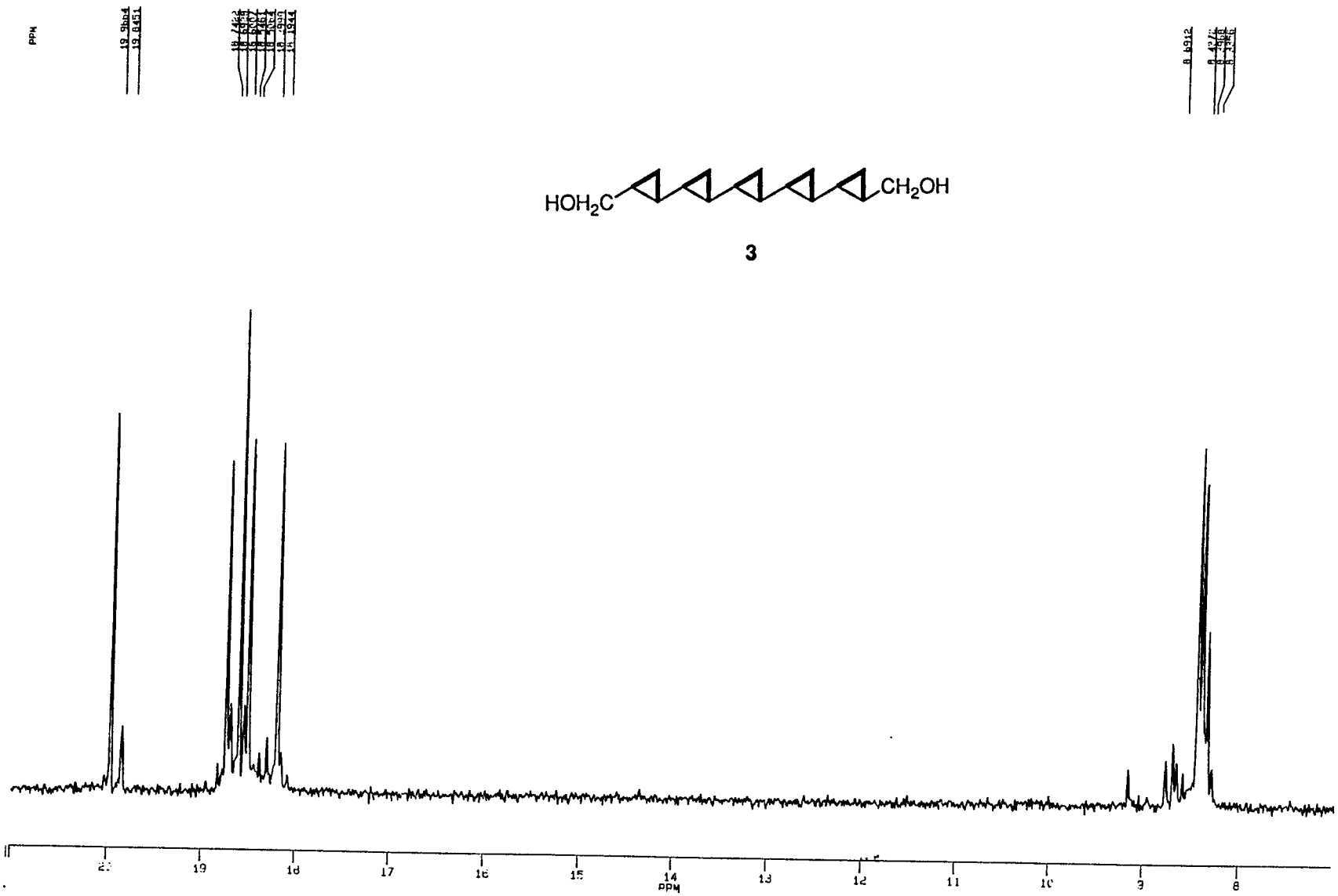

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PPM/CM 0.400
SR -4257.49

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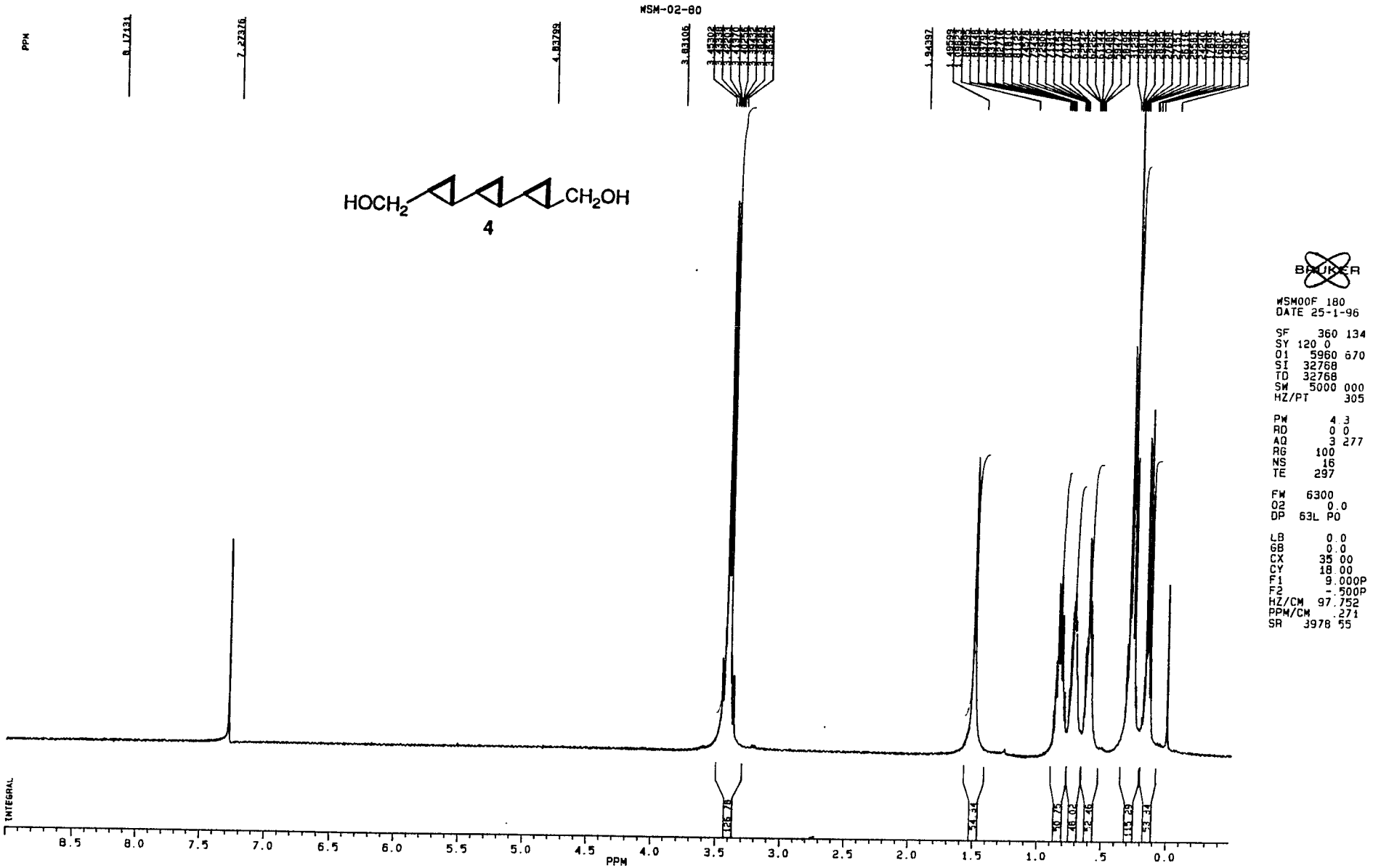

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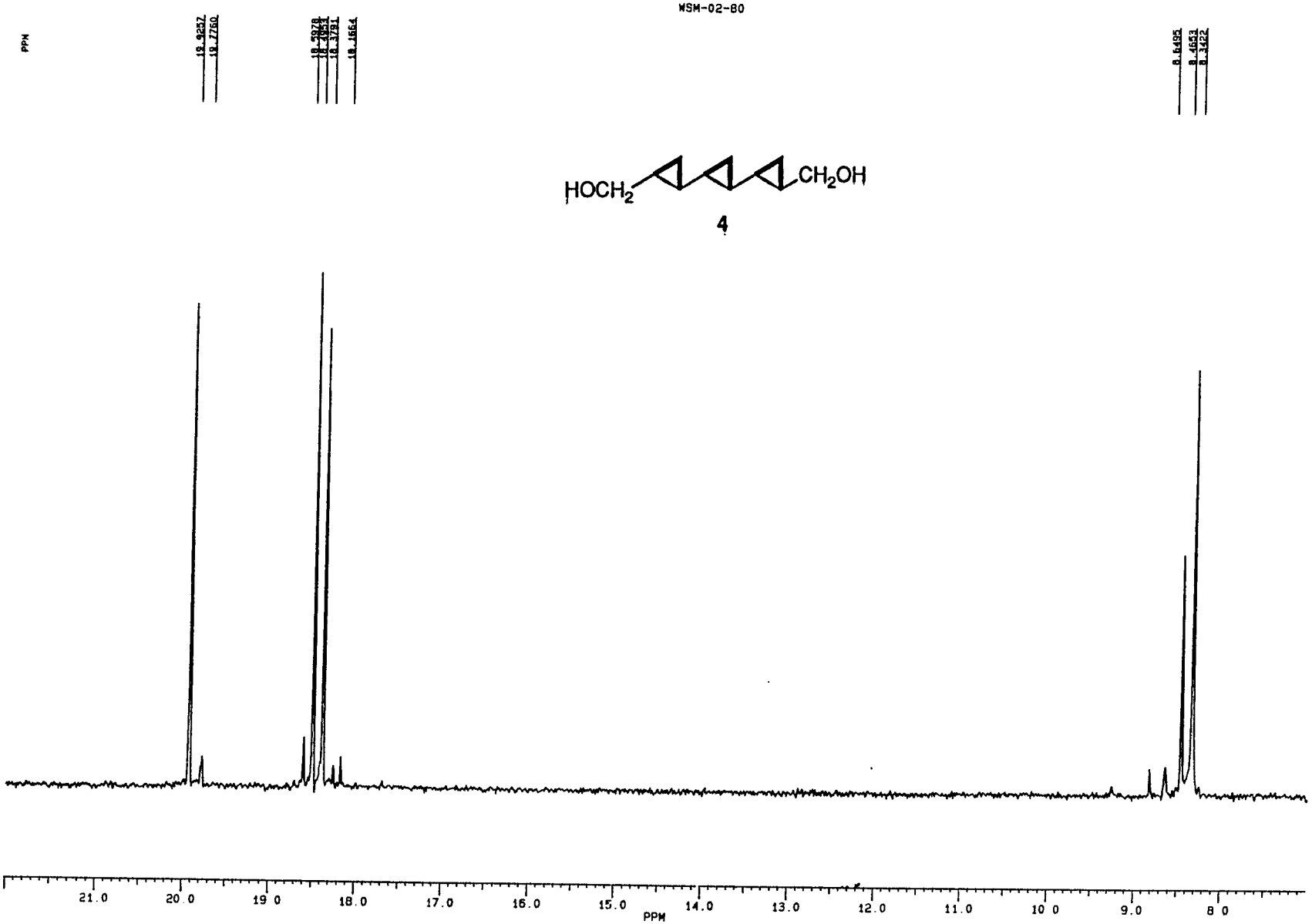

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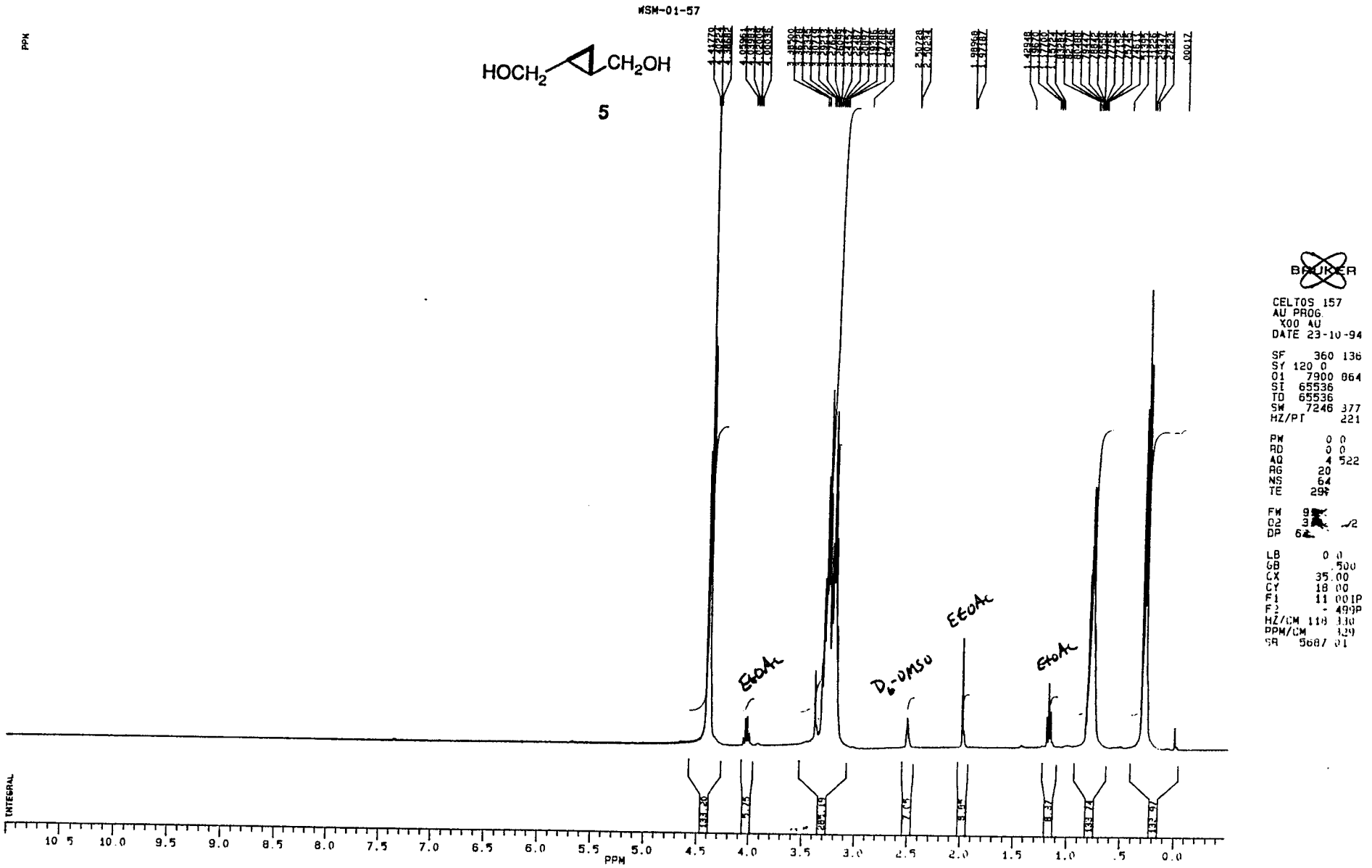
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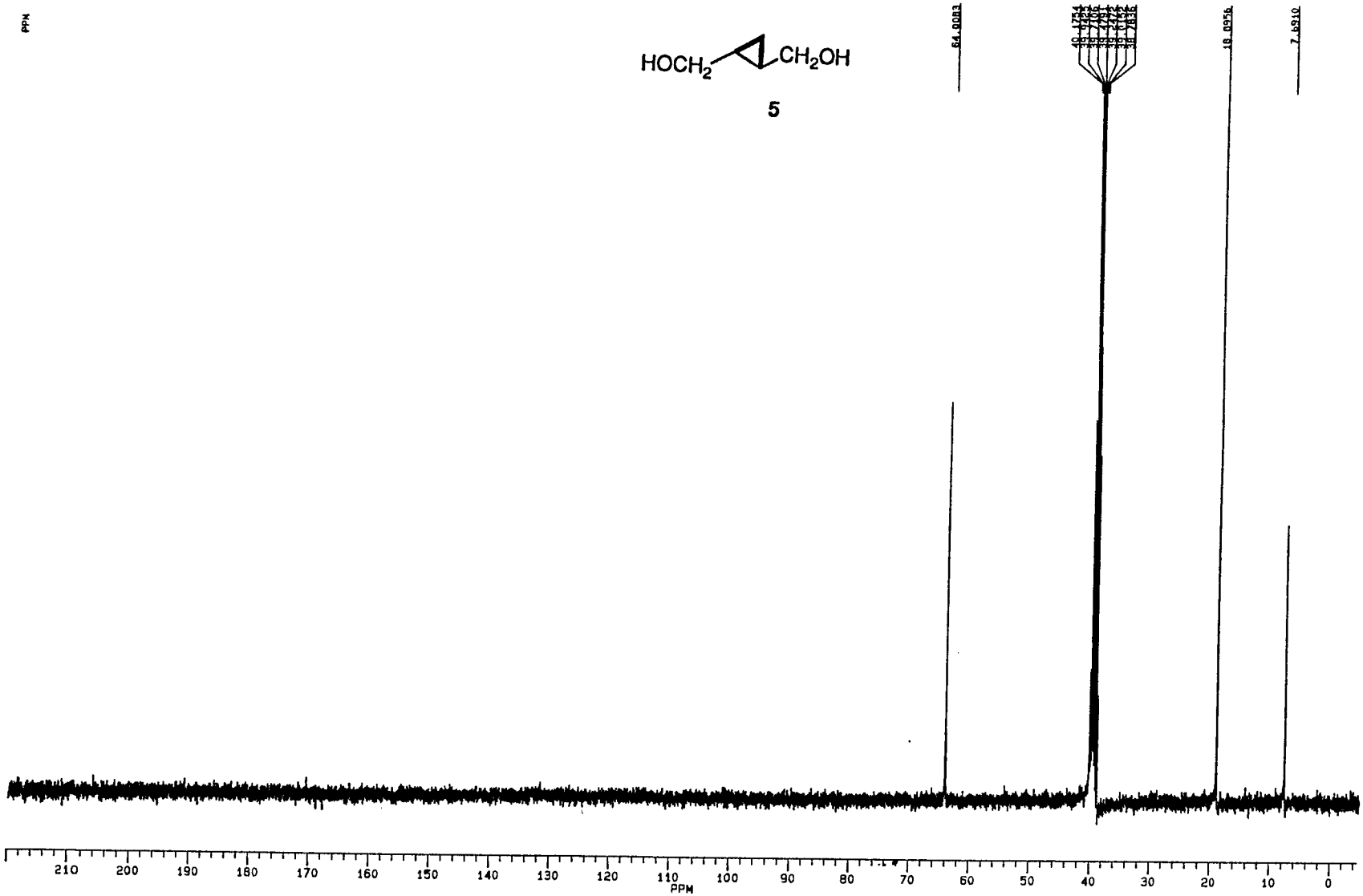

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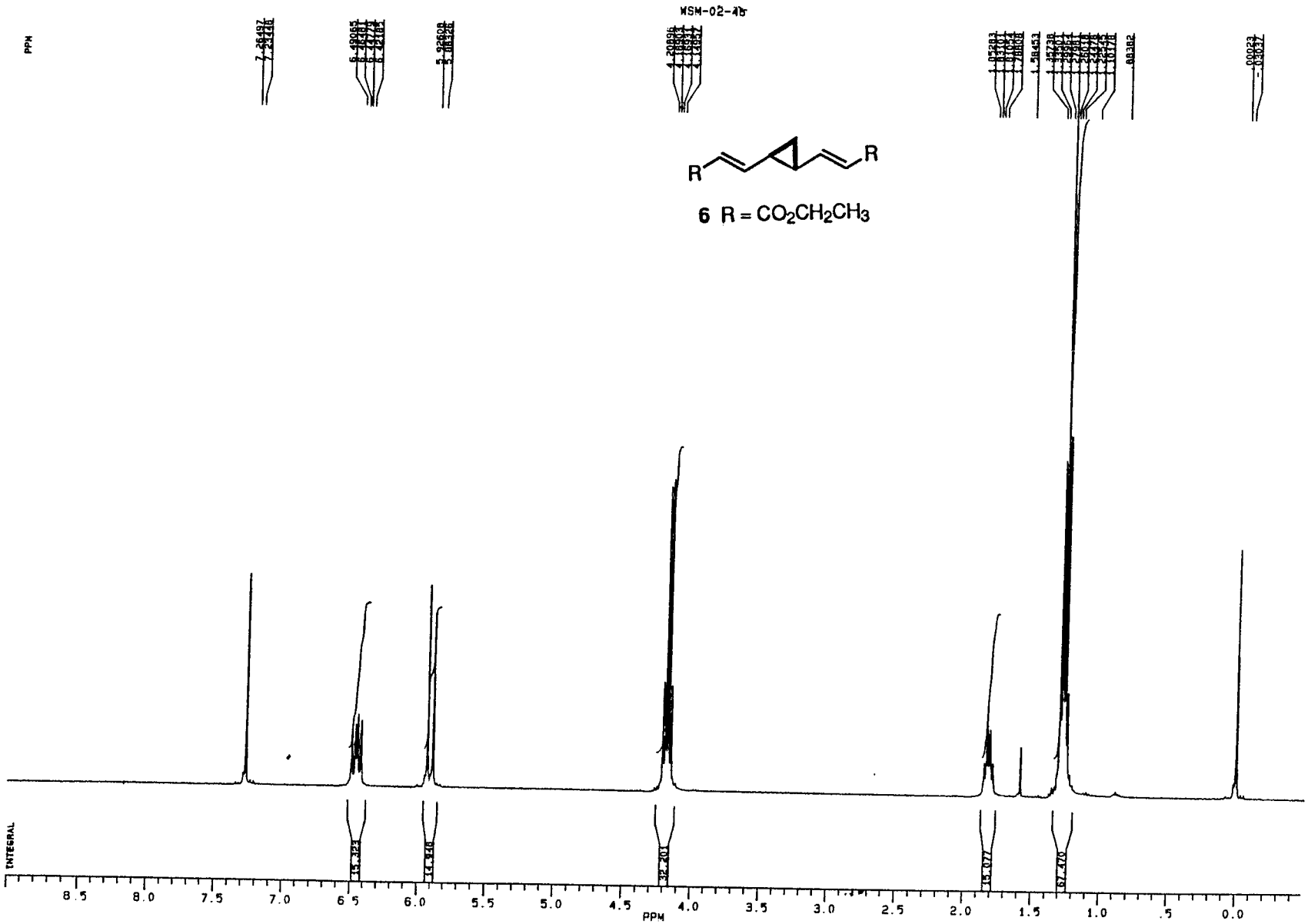

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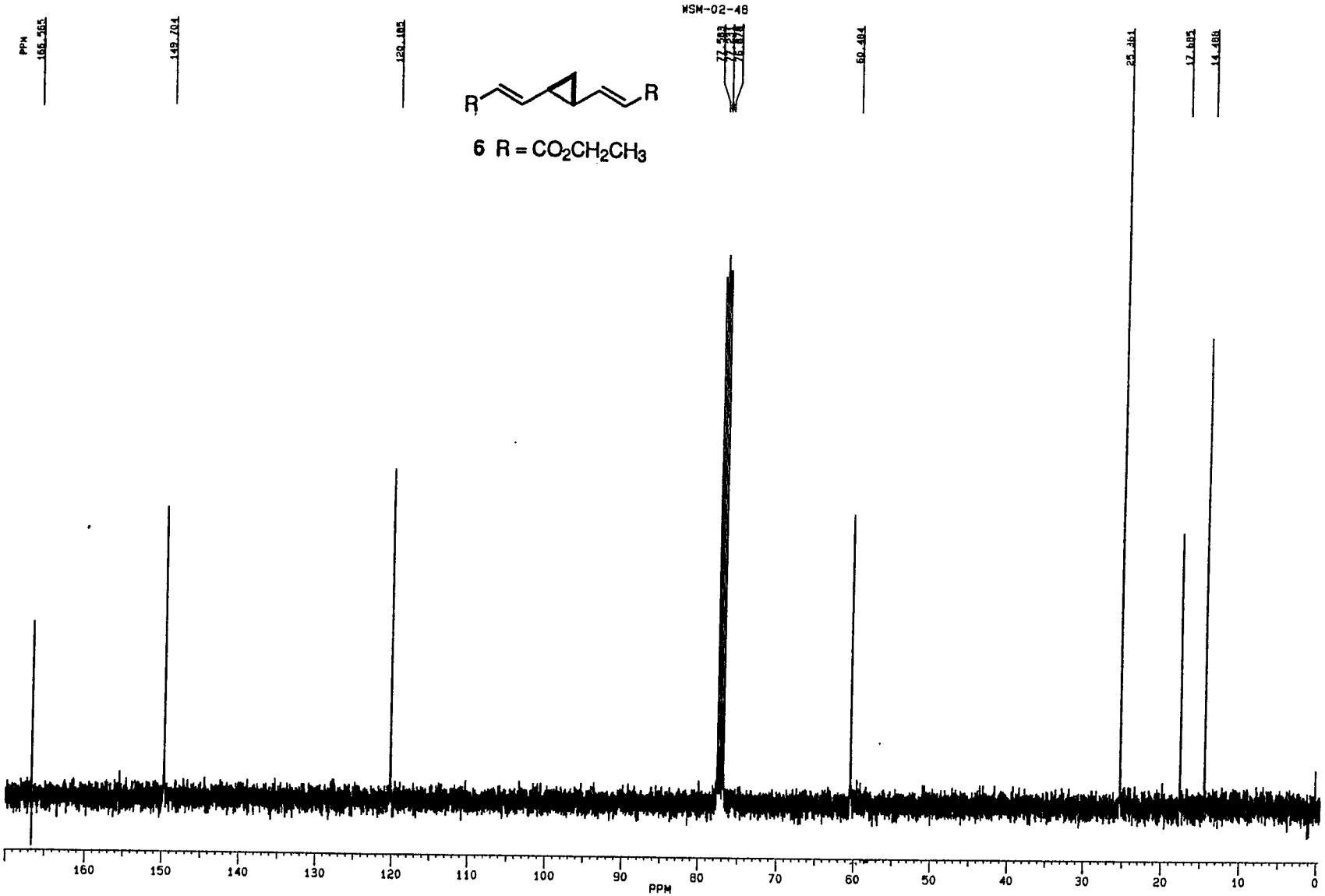

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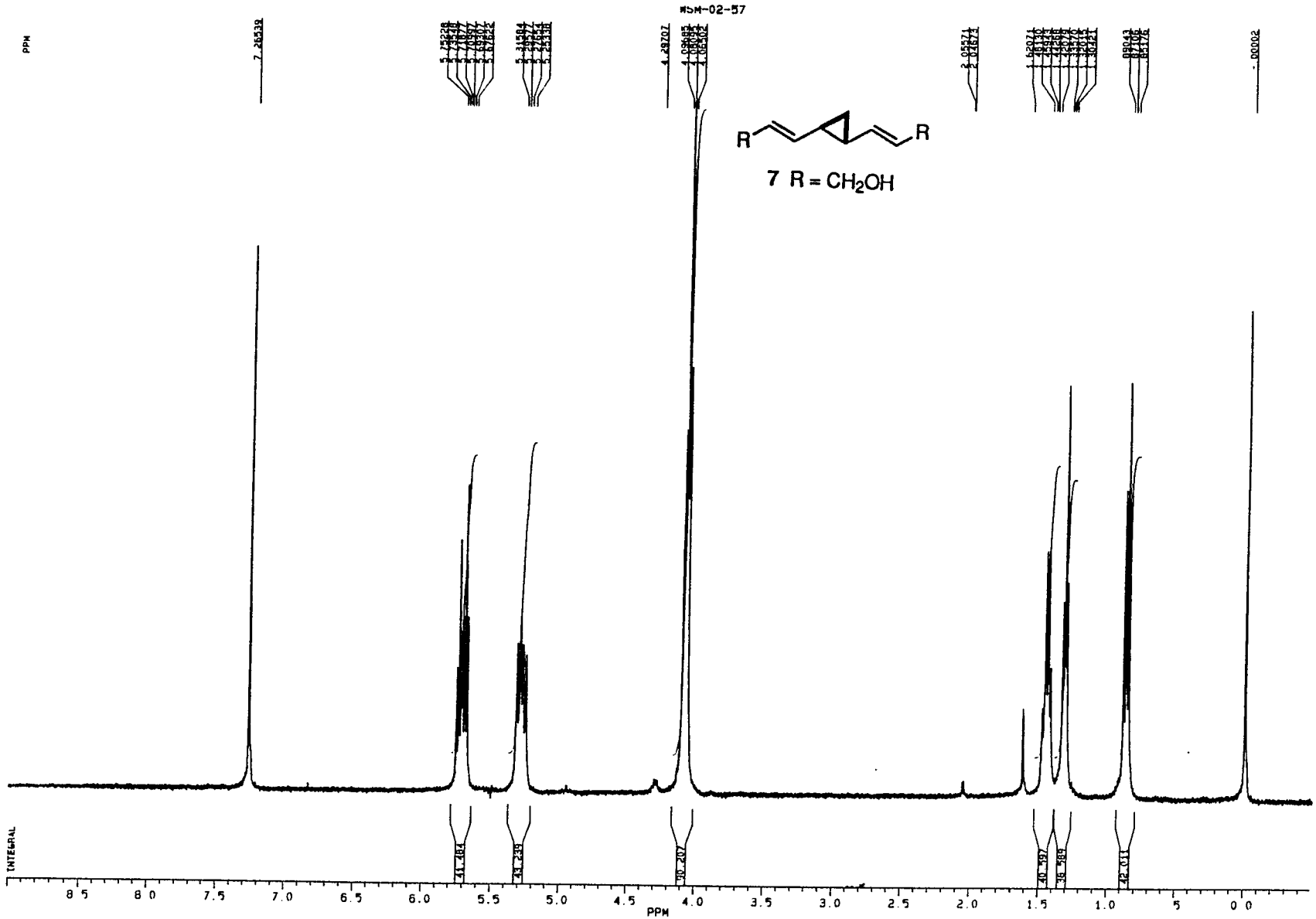

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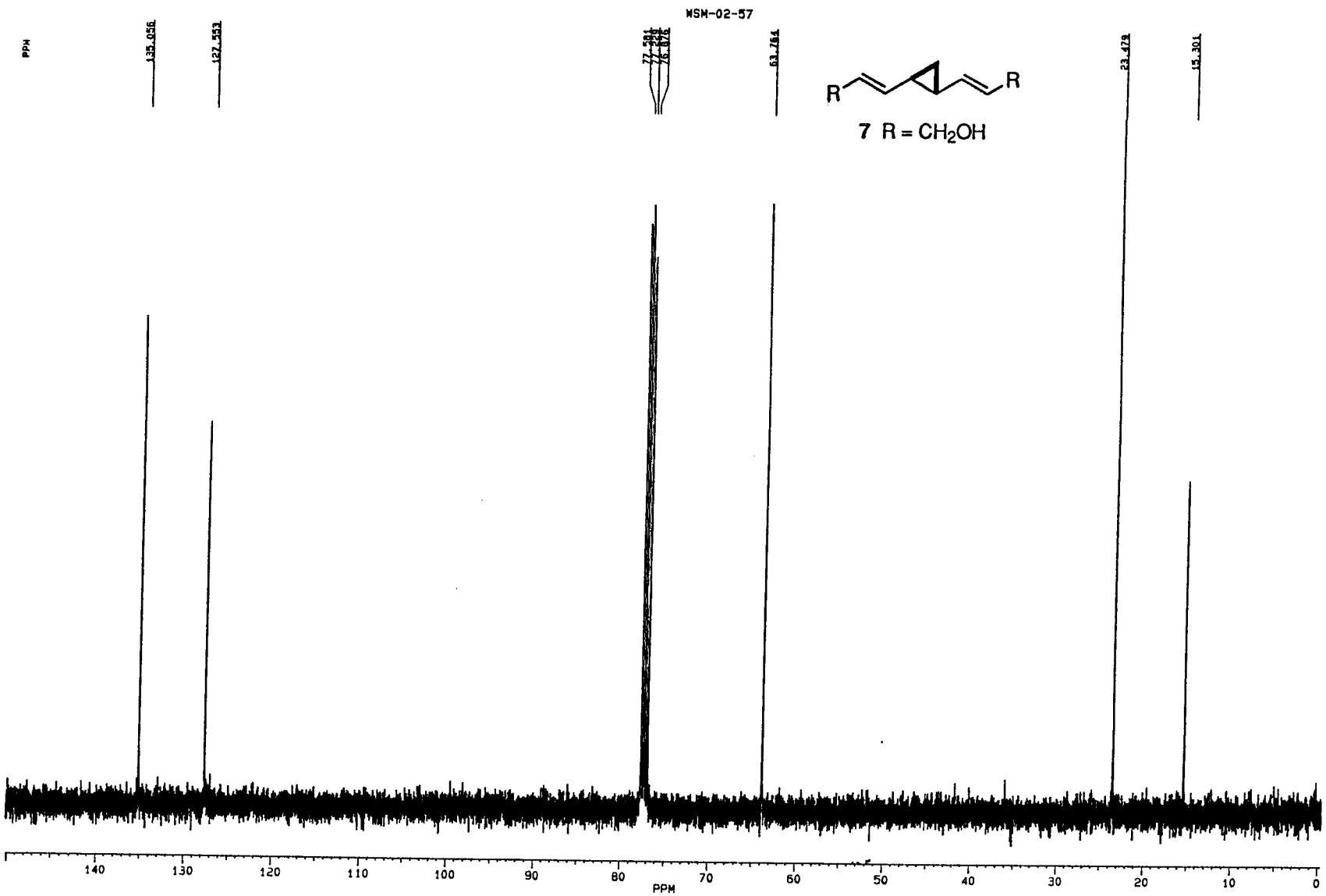

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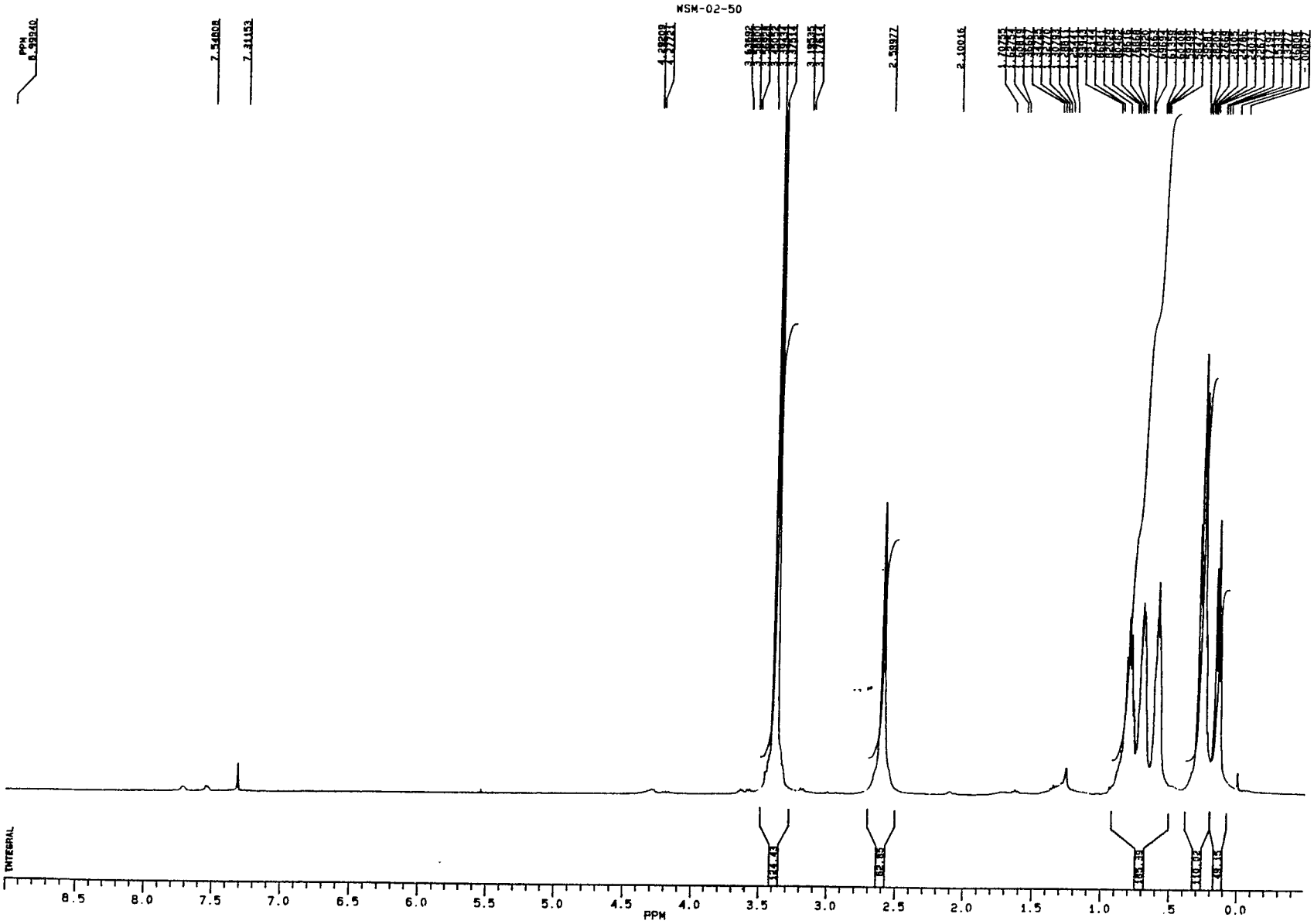

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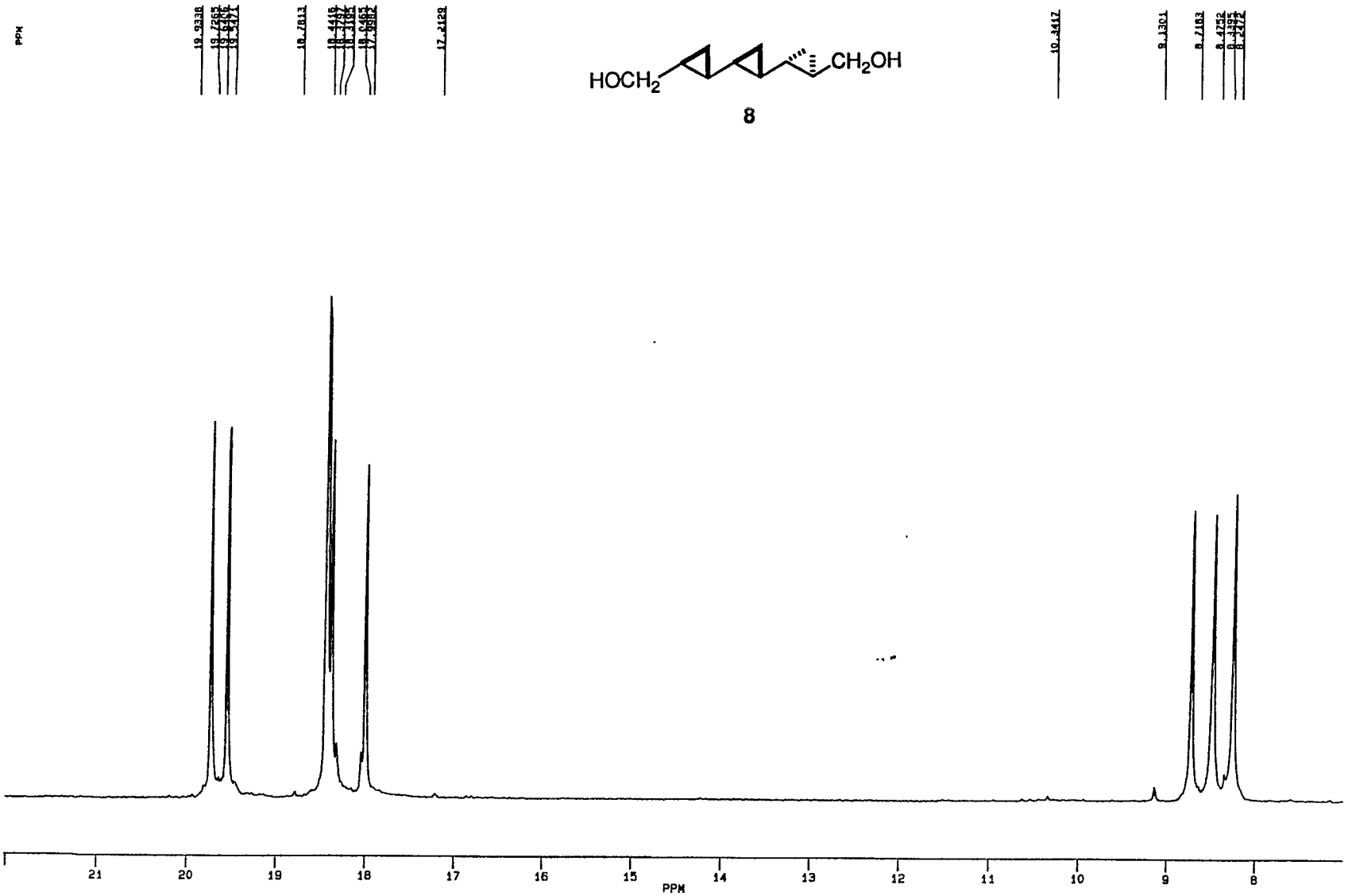

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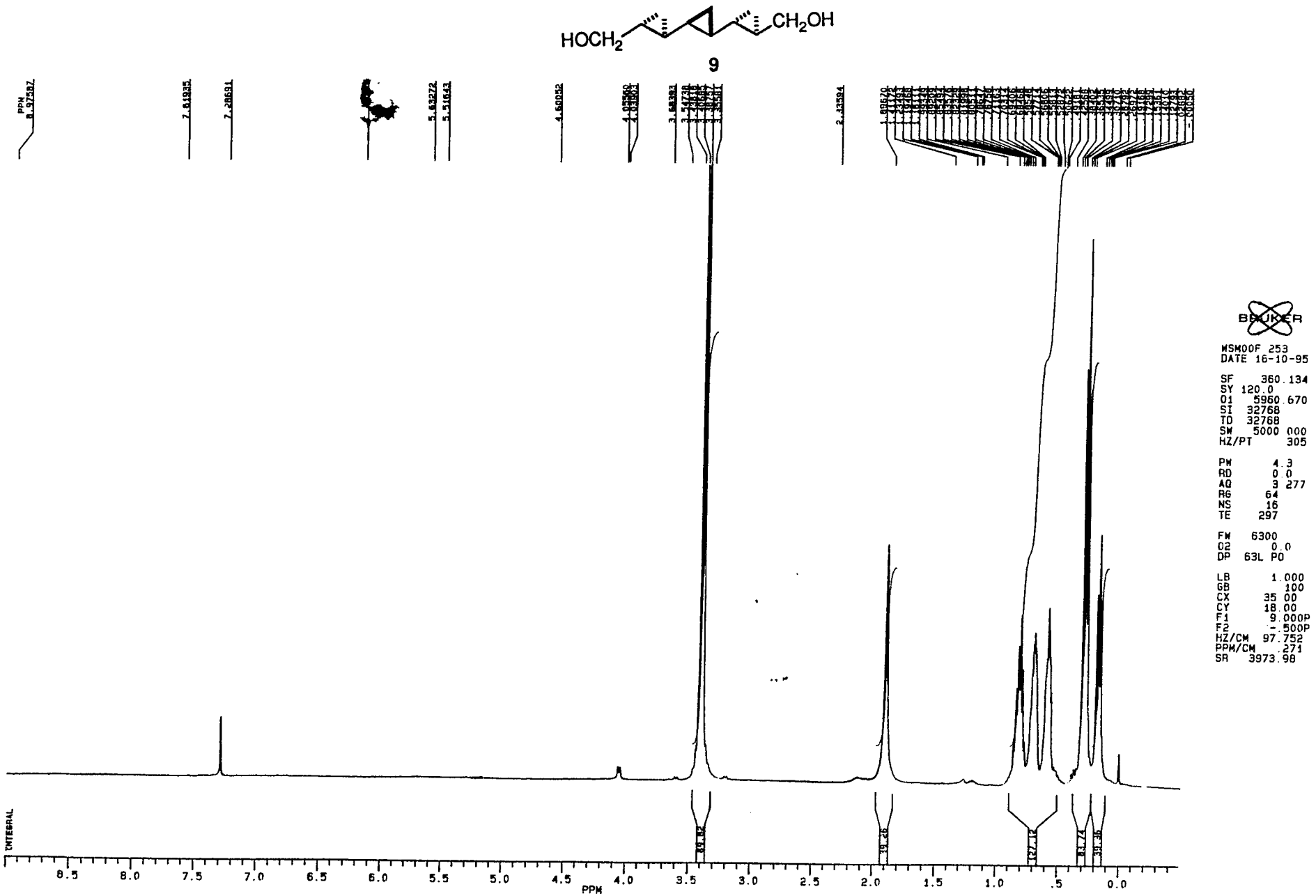
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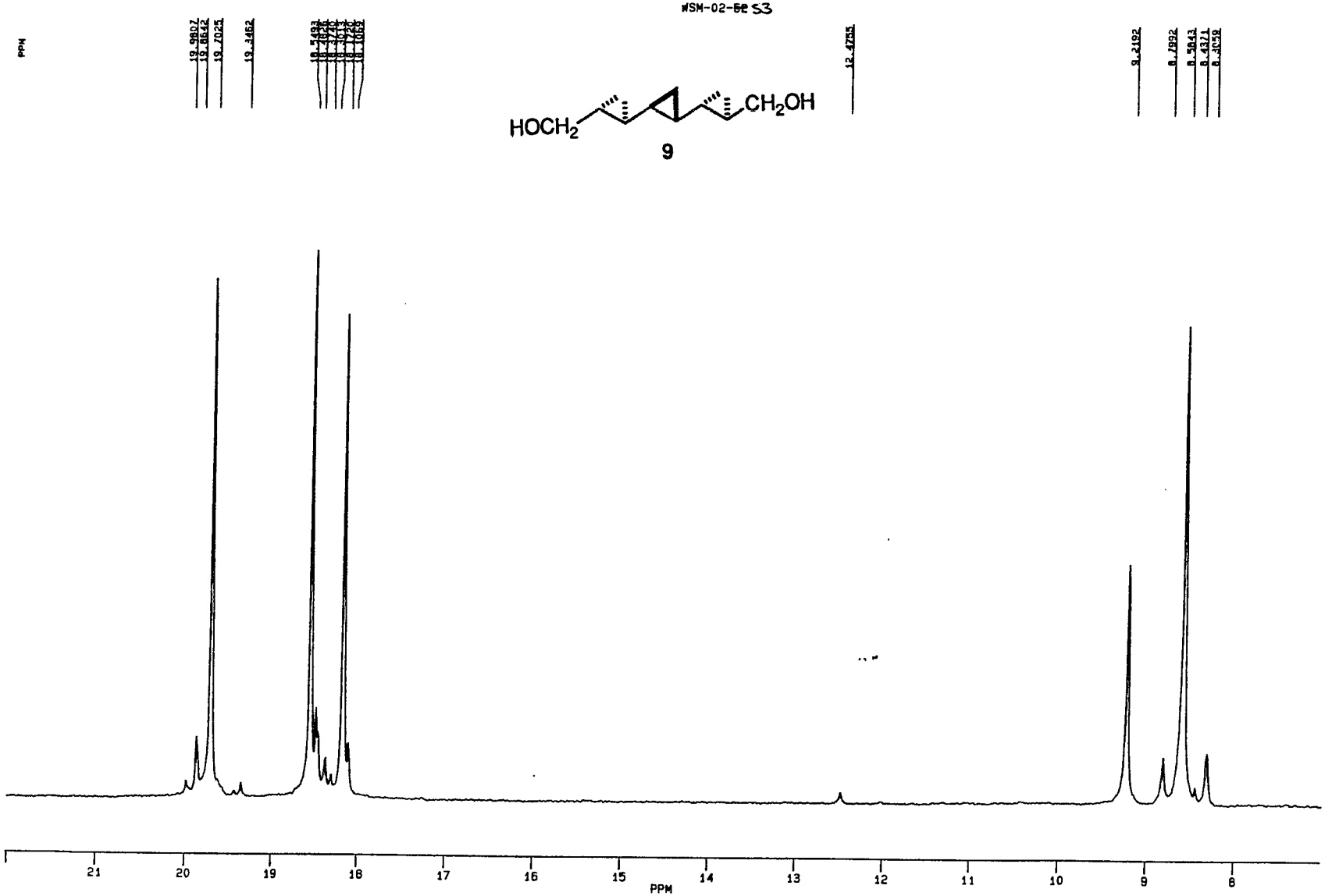

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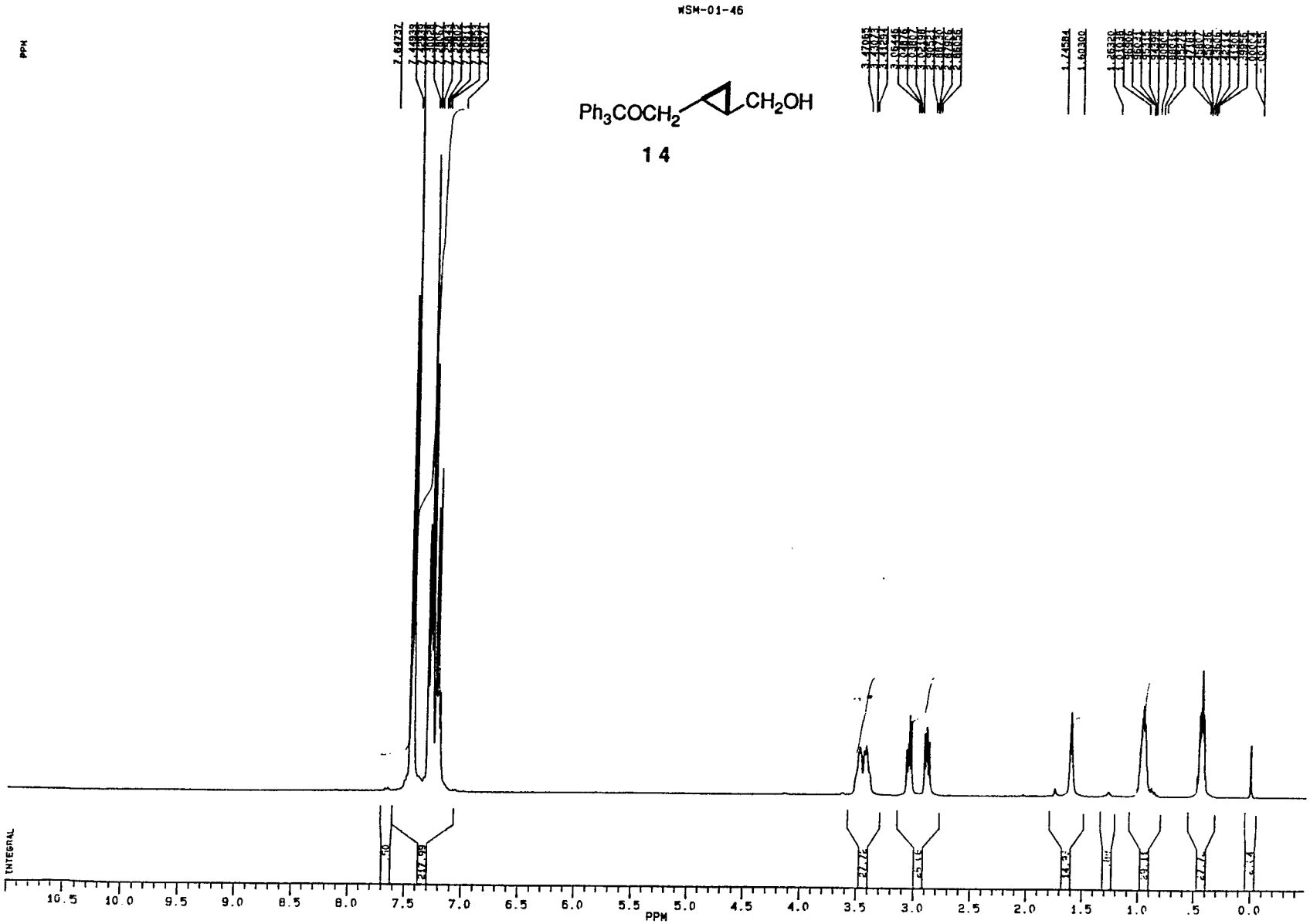

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TE 297

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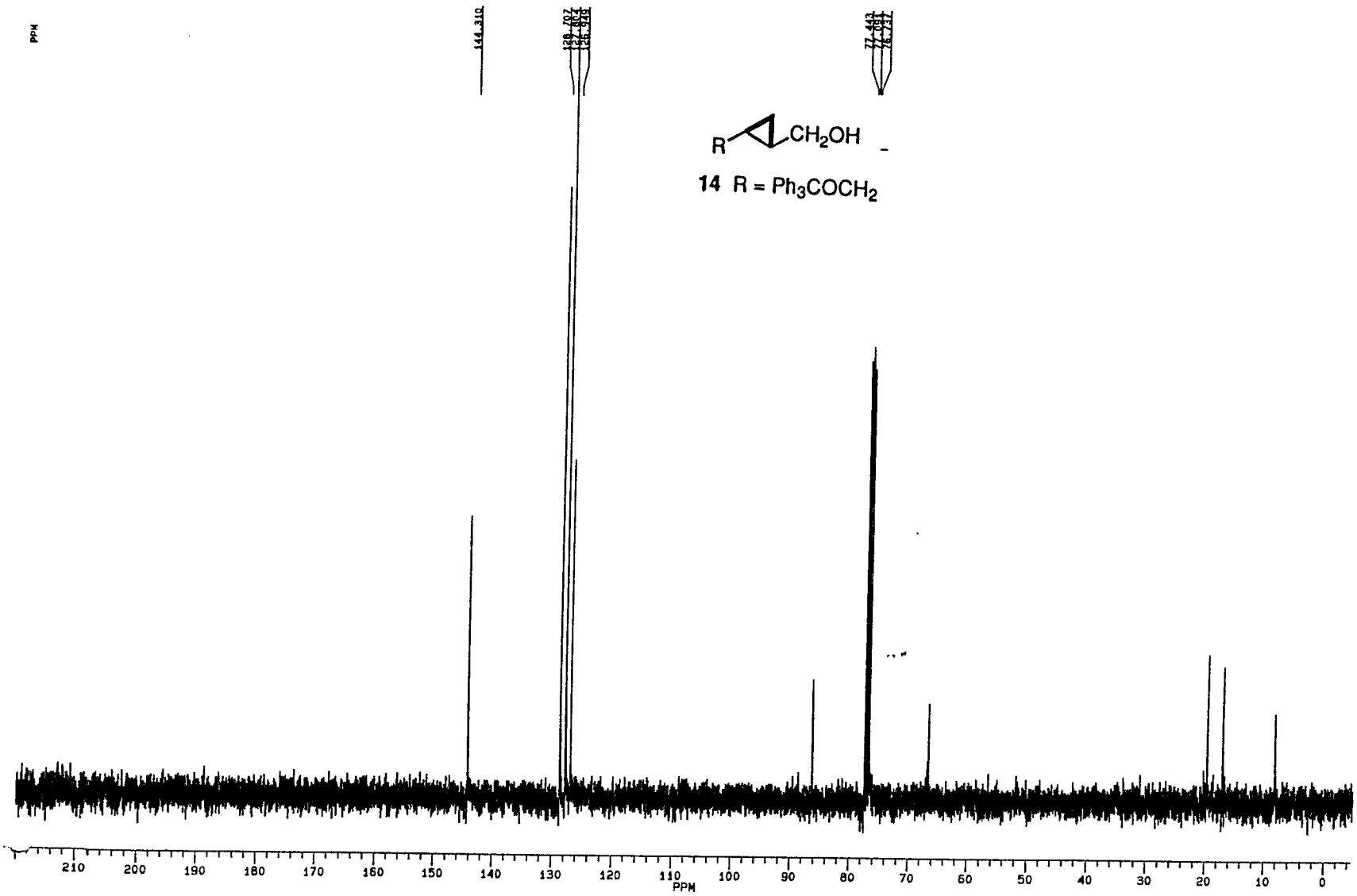

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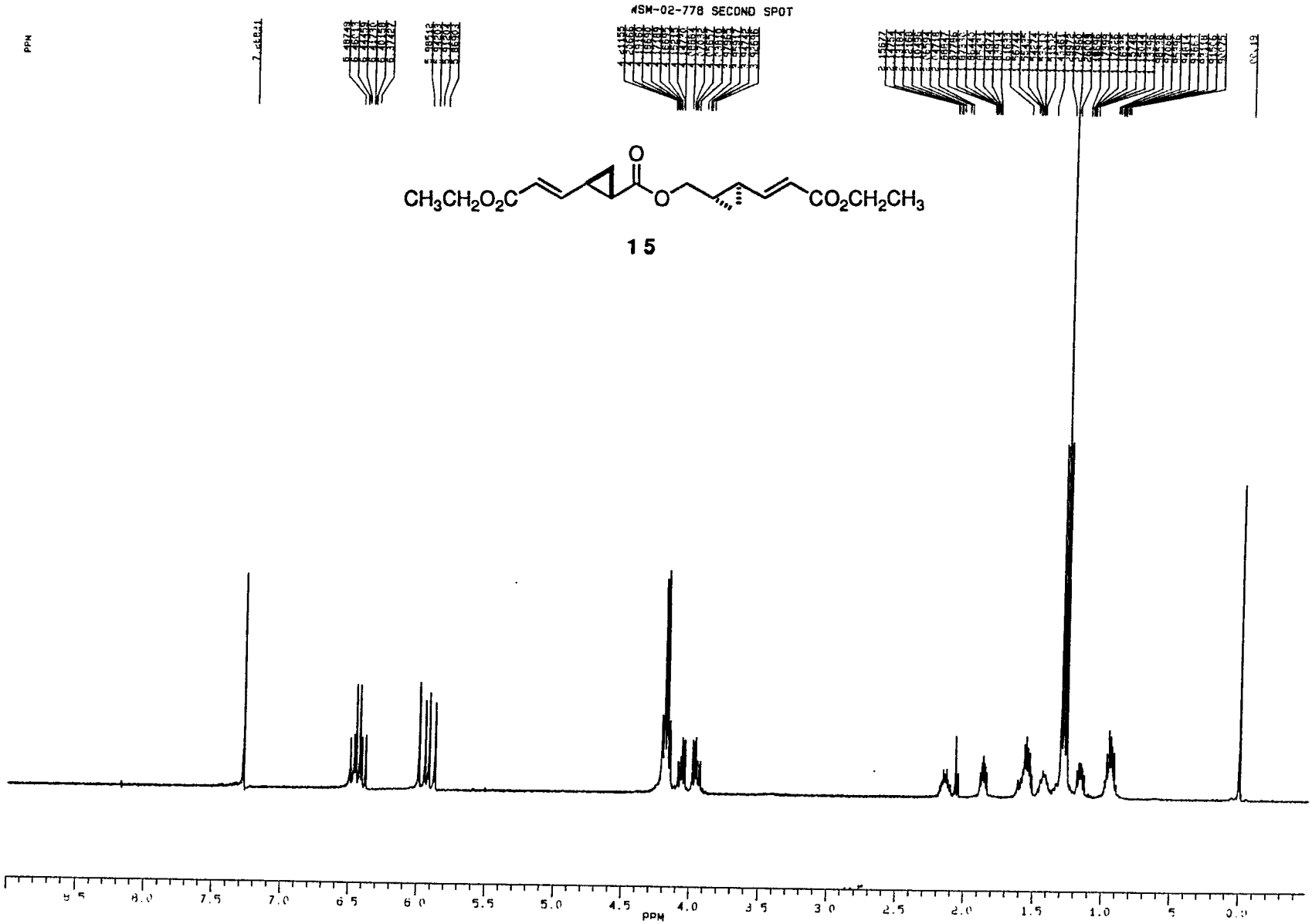
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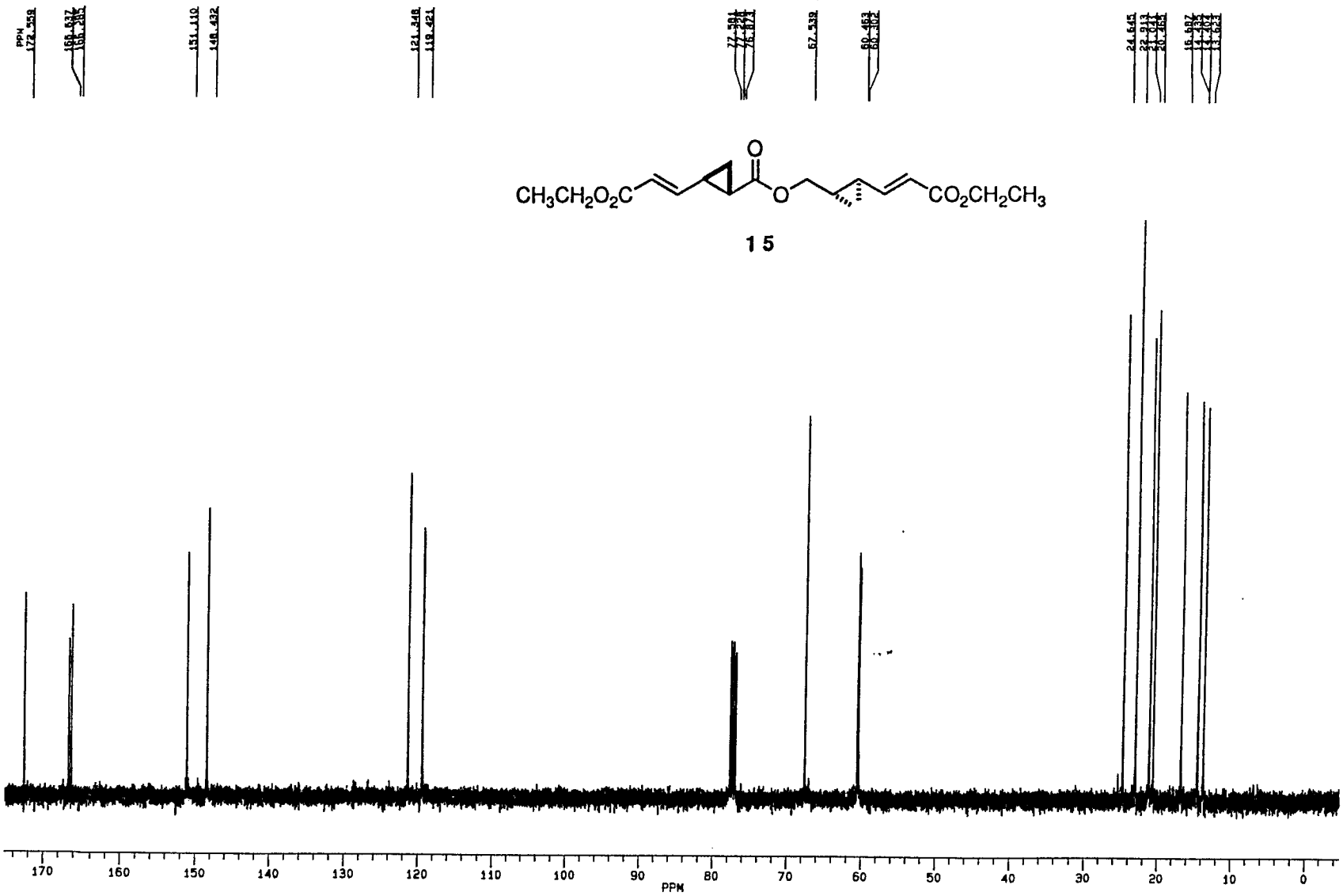

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TE 297

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O2 5960 670
DP 16L CPD

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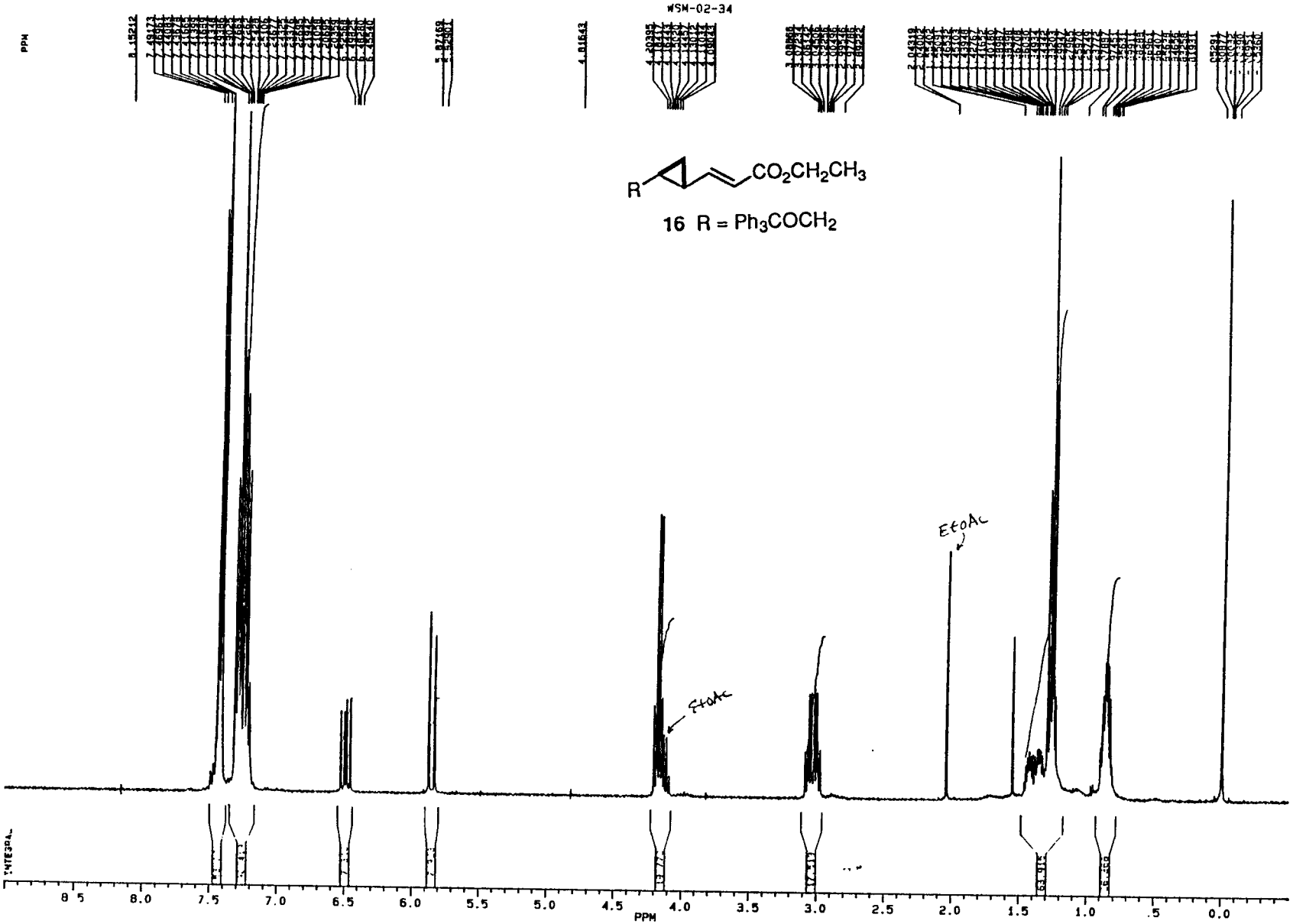
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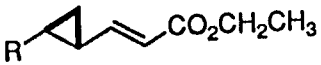

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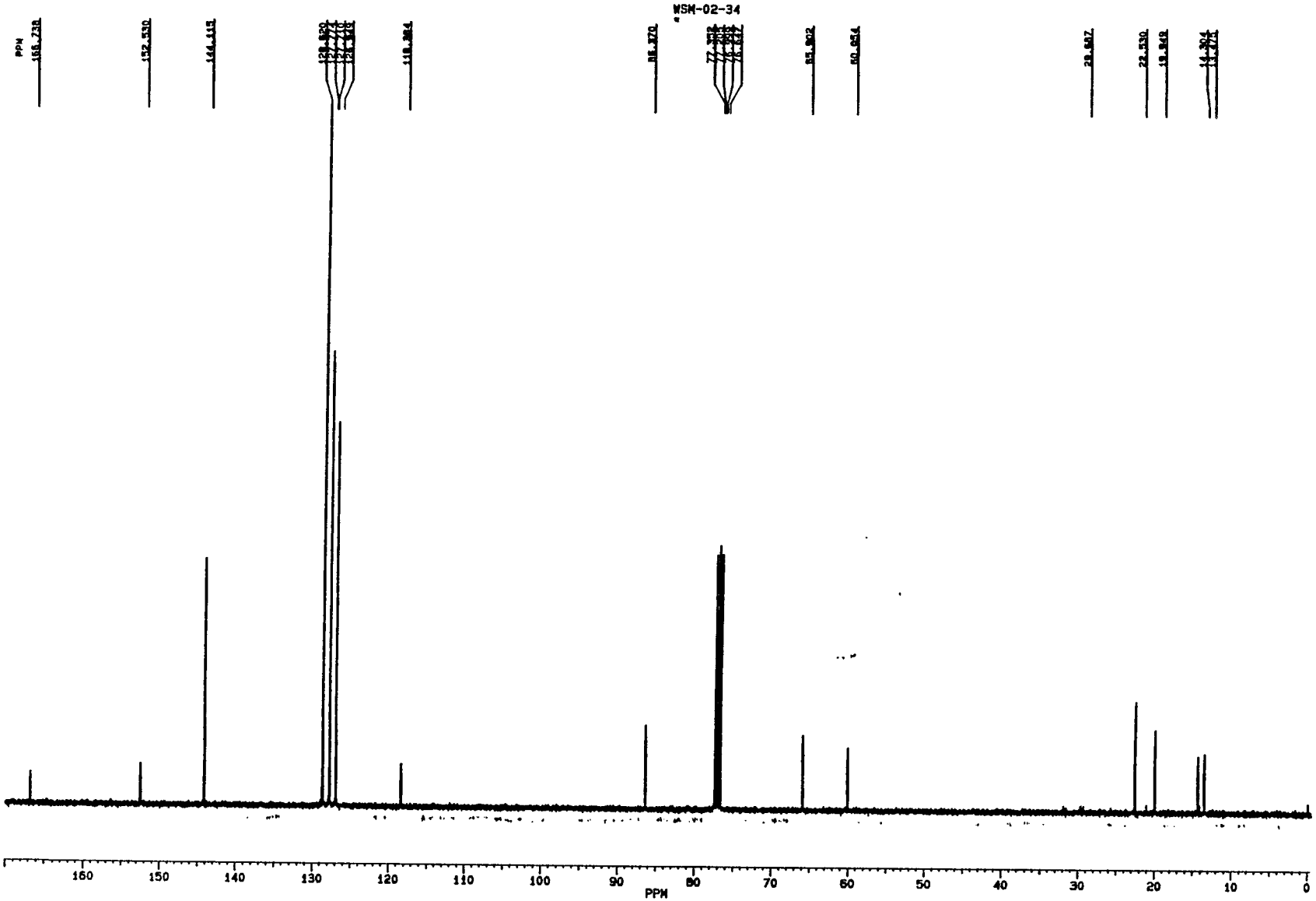

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AQ 1.507
RG 640
NS 13328
TE 297

FW 27200
O2 5960.670
DP 16L CPD

LB 0.0
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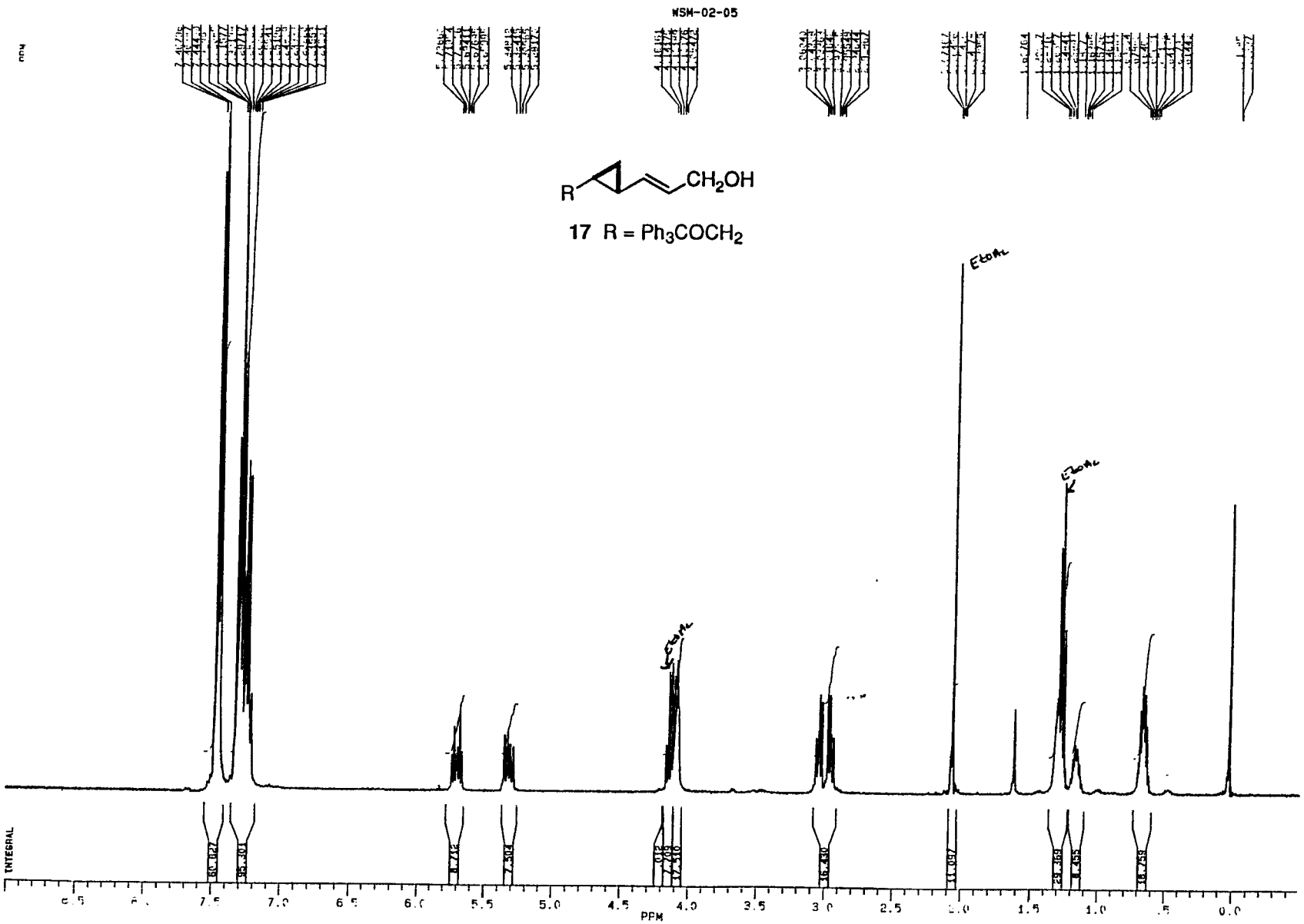
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RG 100
NS 16
TE 297
FW 6300
O2 0 0
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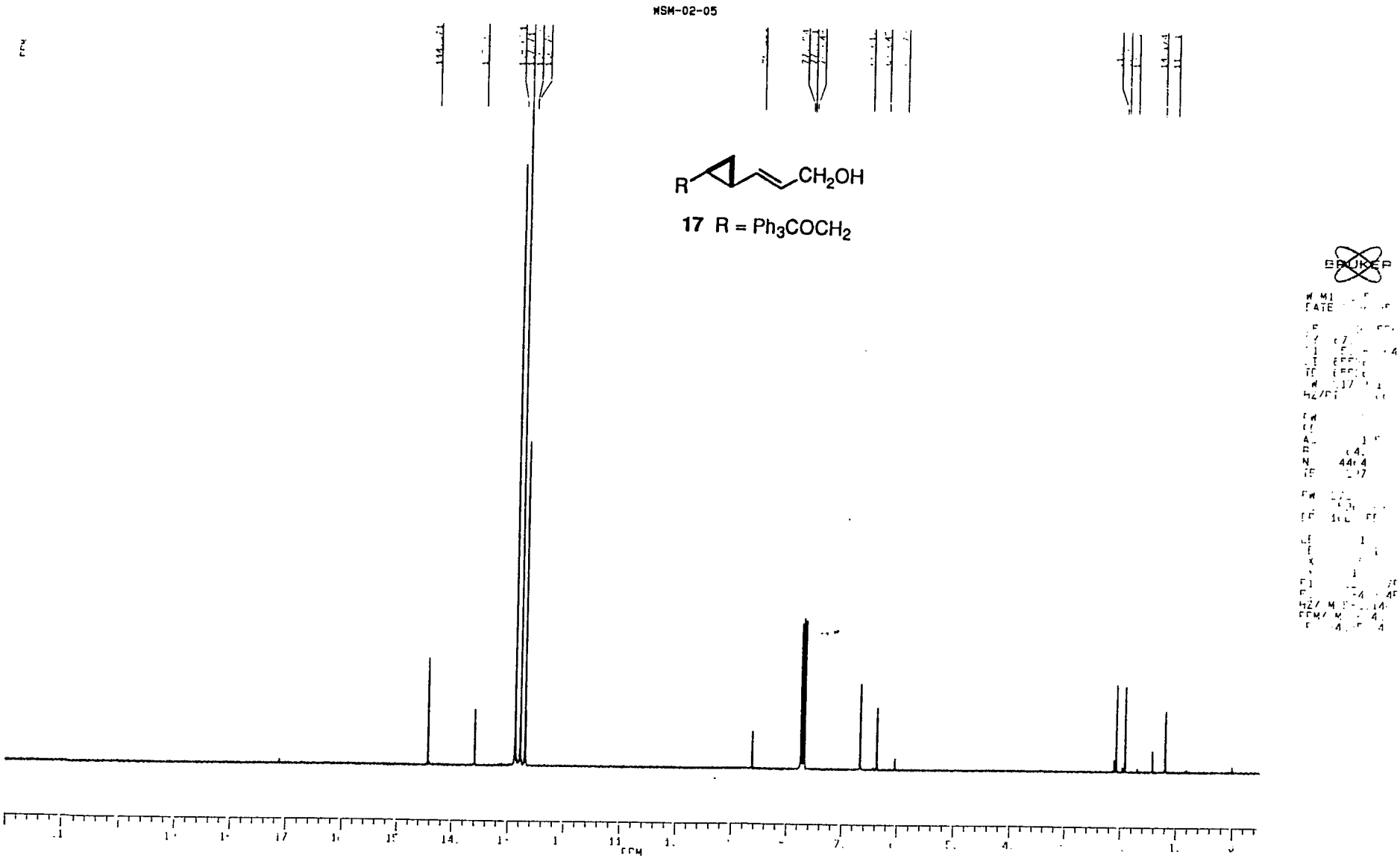
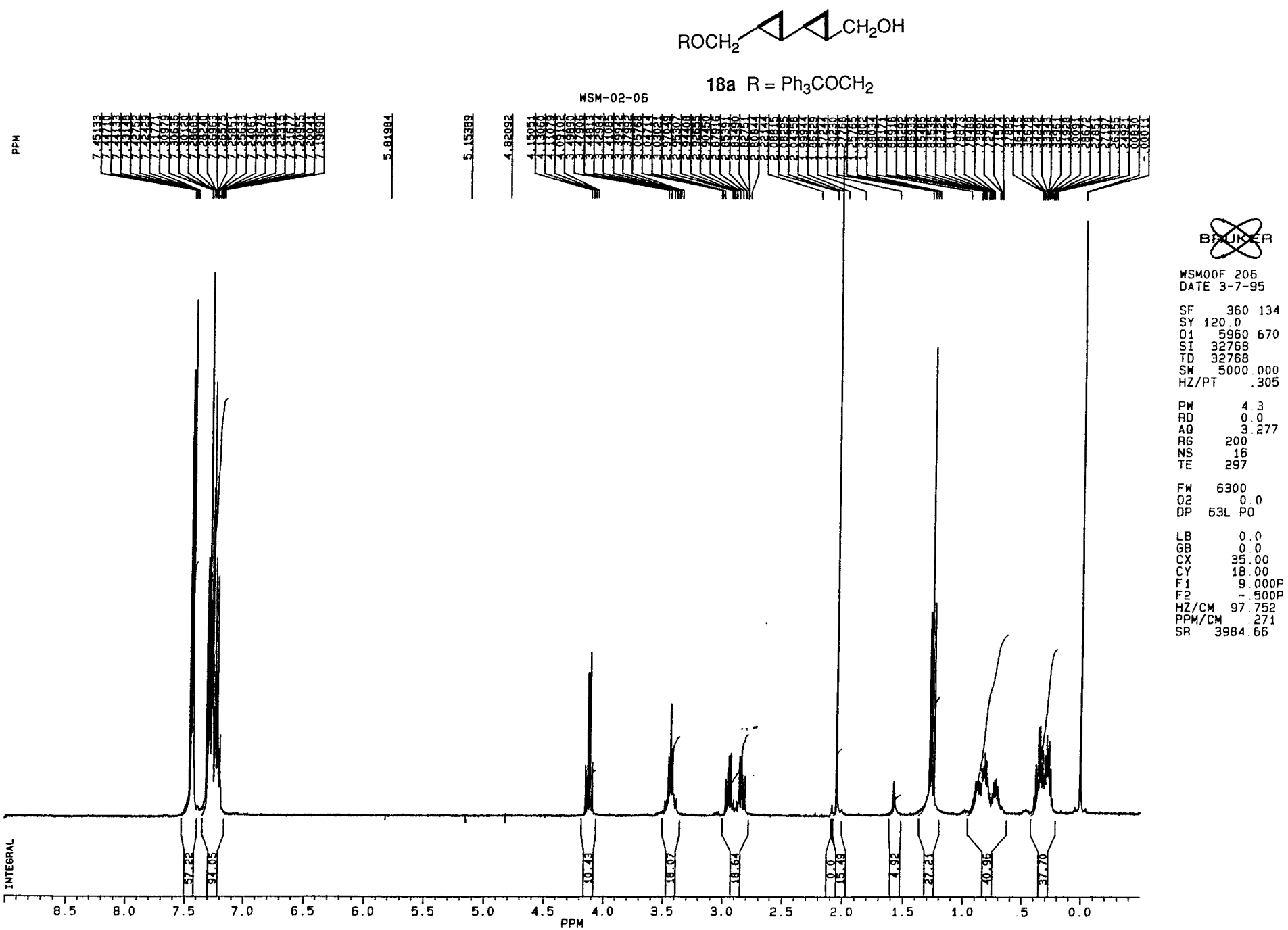


Proton nuclear magnetic resonance spectrum of (1S,2S,3R)-1-(2-hydroxymethylene-3-triphenylmethoxymethylene)-2,3-methanocyclopropane (17)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18.07
18.64
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15.49
4.92
27.21
40.96
37.70
8.5
8.0
7.5
7.0
6.5
6.0
5.5
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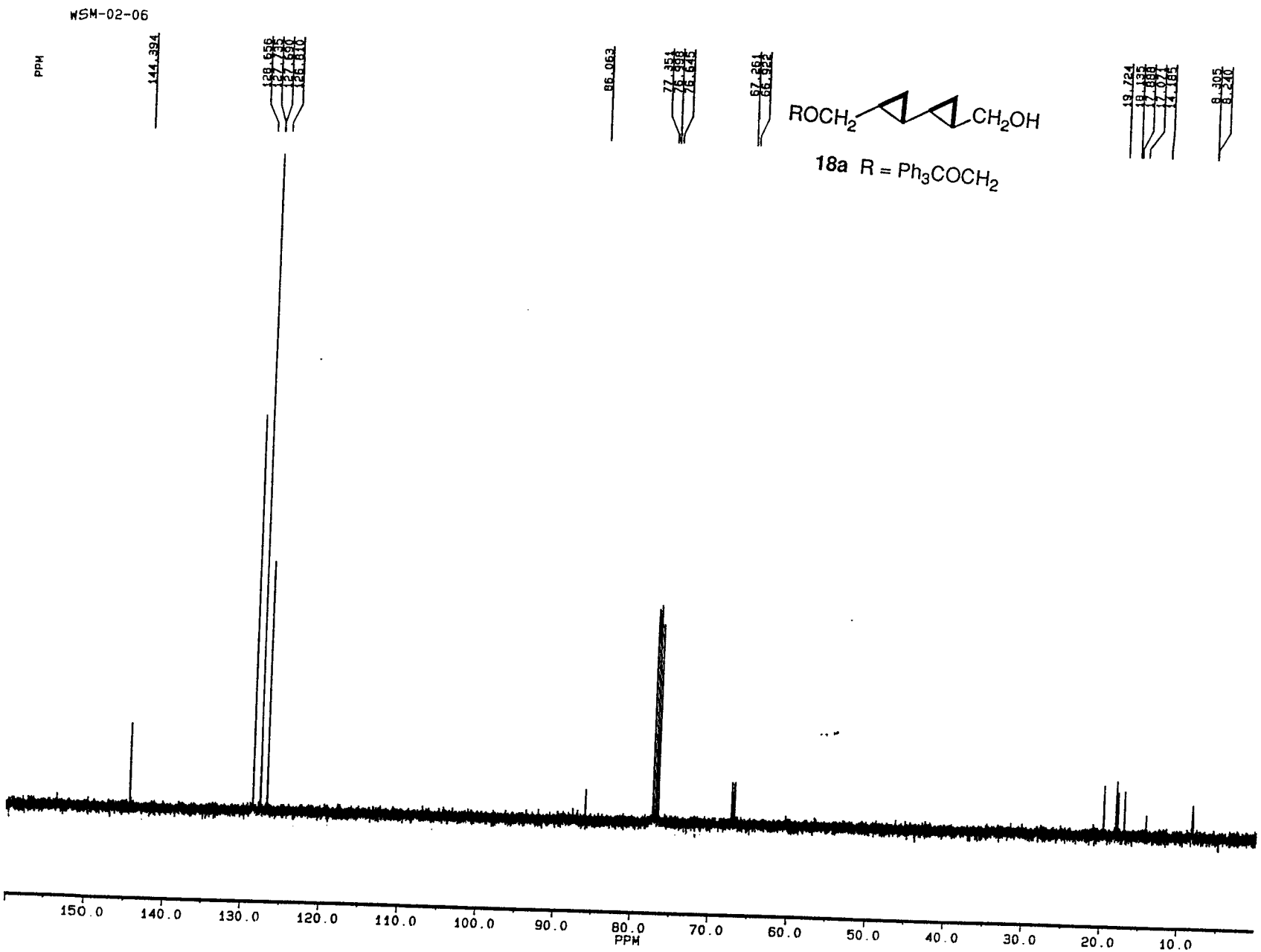

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RG 640
NS 2219
TE 297

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DP 16L CPD

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GB 0.0
CX 35.00
CY 18.00
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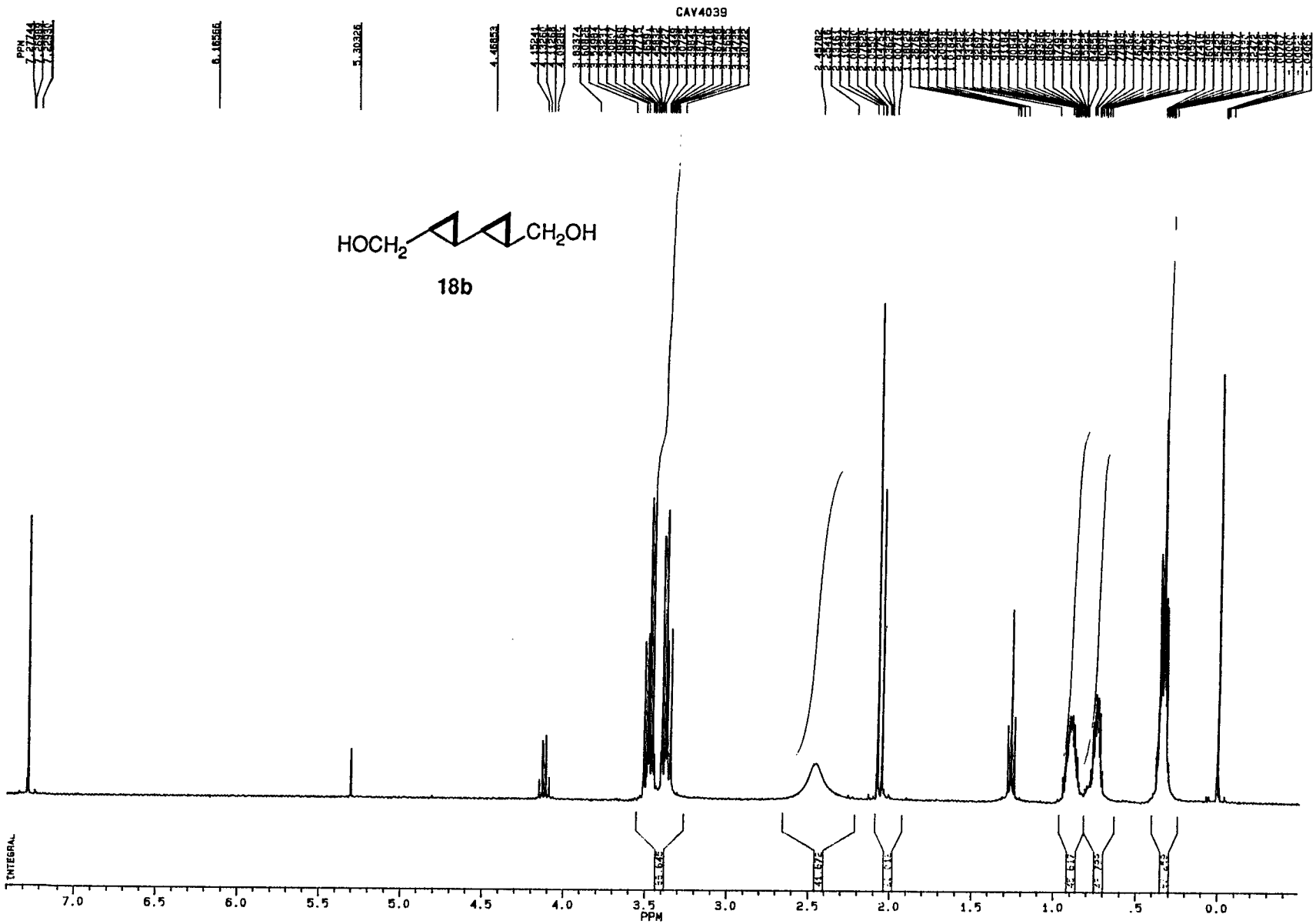
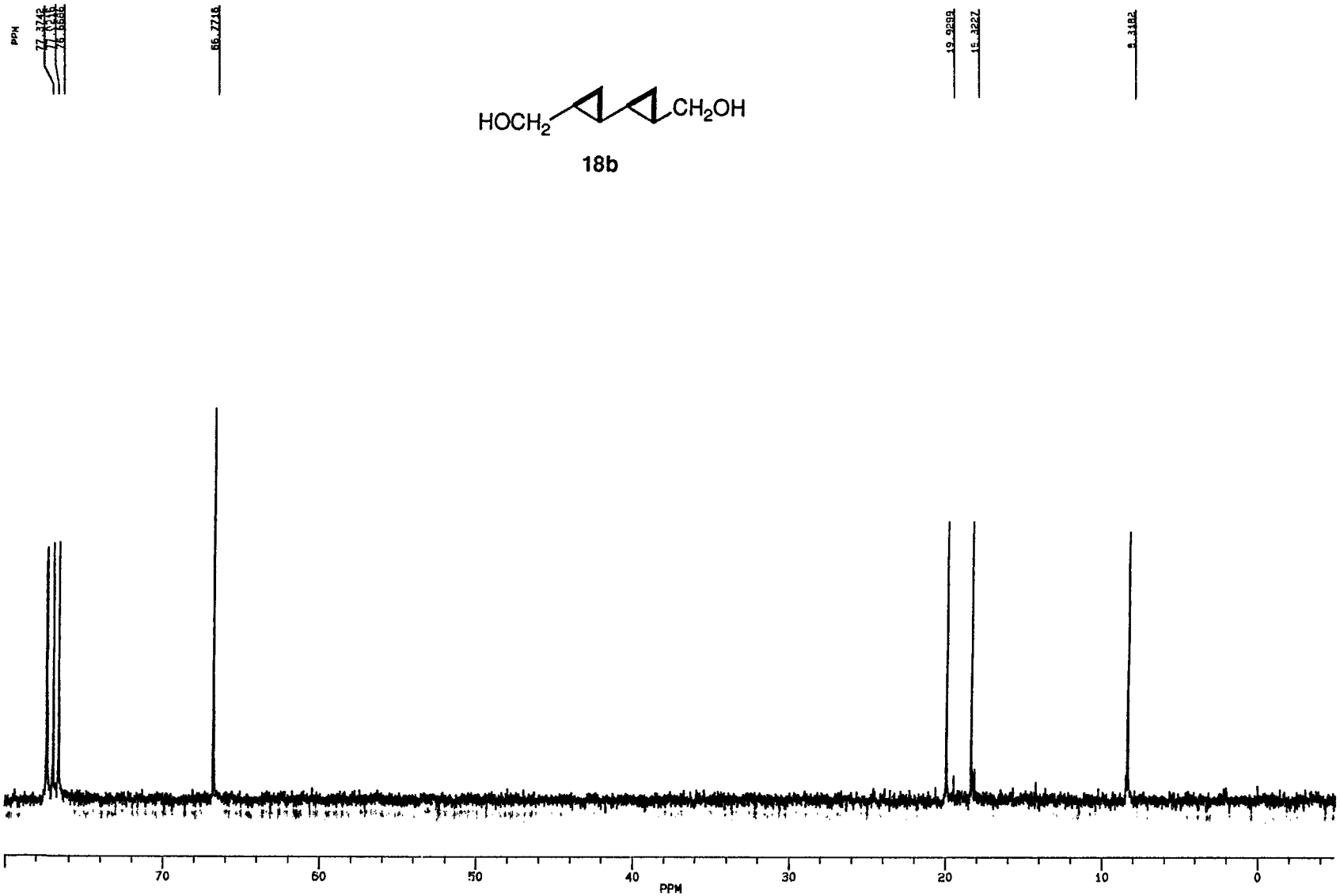
PPM/CM 4.572
SR -4236.67


CAV4039
PPM
8.16566
5.30326
4.46653
HOCH2
CH2OH
18b
BRUKER
CAV4039 001
DATE 18-11-96
SF 360.134
SY 120.0
O1 5960.670
SI 32768
TD 32768
SW 5000.000
HZ/PT .305
PW 4.3
RD 0.0
AQ 3.277
RG 200
NS 32
TE 297
FW 6300
O2 0.0
DP 63L PO
LB 0.0
GB 0.0
CX 35.00
CY 10.00
F1 7.400P
F2 -.499P
HZ/CM 81.281
PPM/CM .226
SR 3980.02
INTEGRAL
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
.5
0.0
PPM

CAV4039



18b

BRUKER

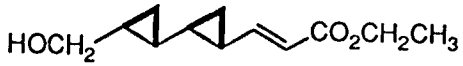
CAV4039 013
DATE 18-11-96

SF 90 556
SY 67.0
O1 5028 264
SI 65536
TD 32768
SW 21739.130
HZ/PT .663

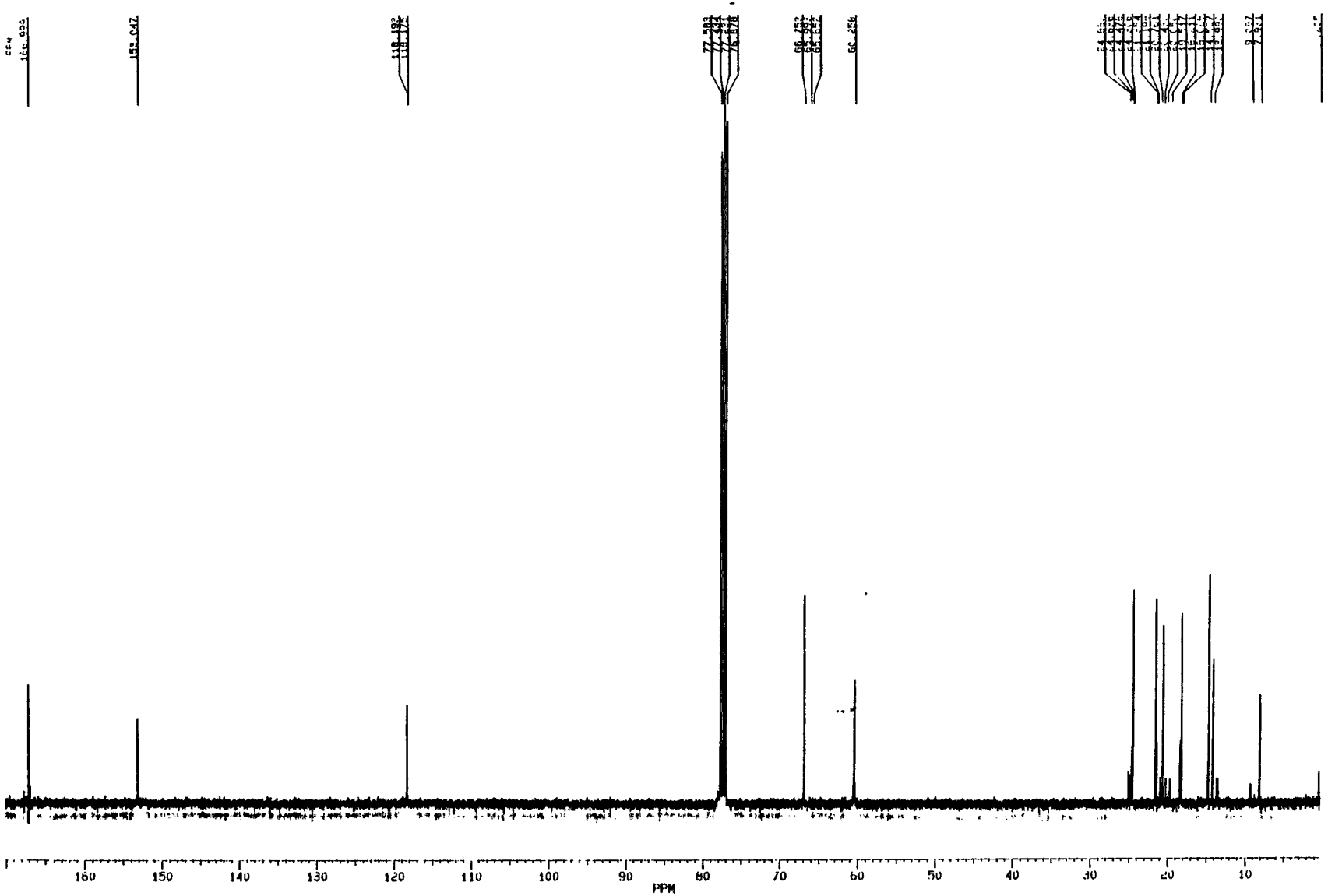
PW 3.2
RD 0.0
AQ .754
RG 800
NS 2002
TE 297

FW 27200
O2 5960 670
DP 16L CPD

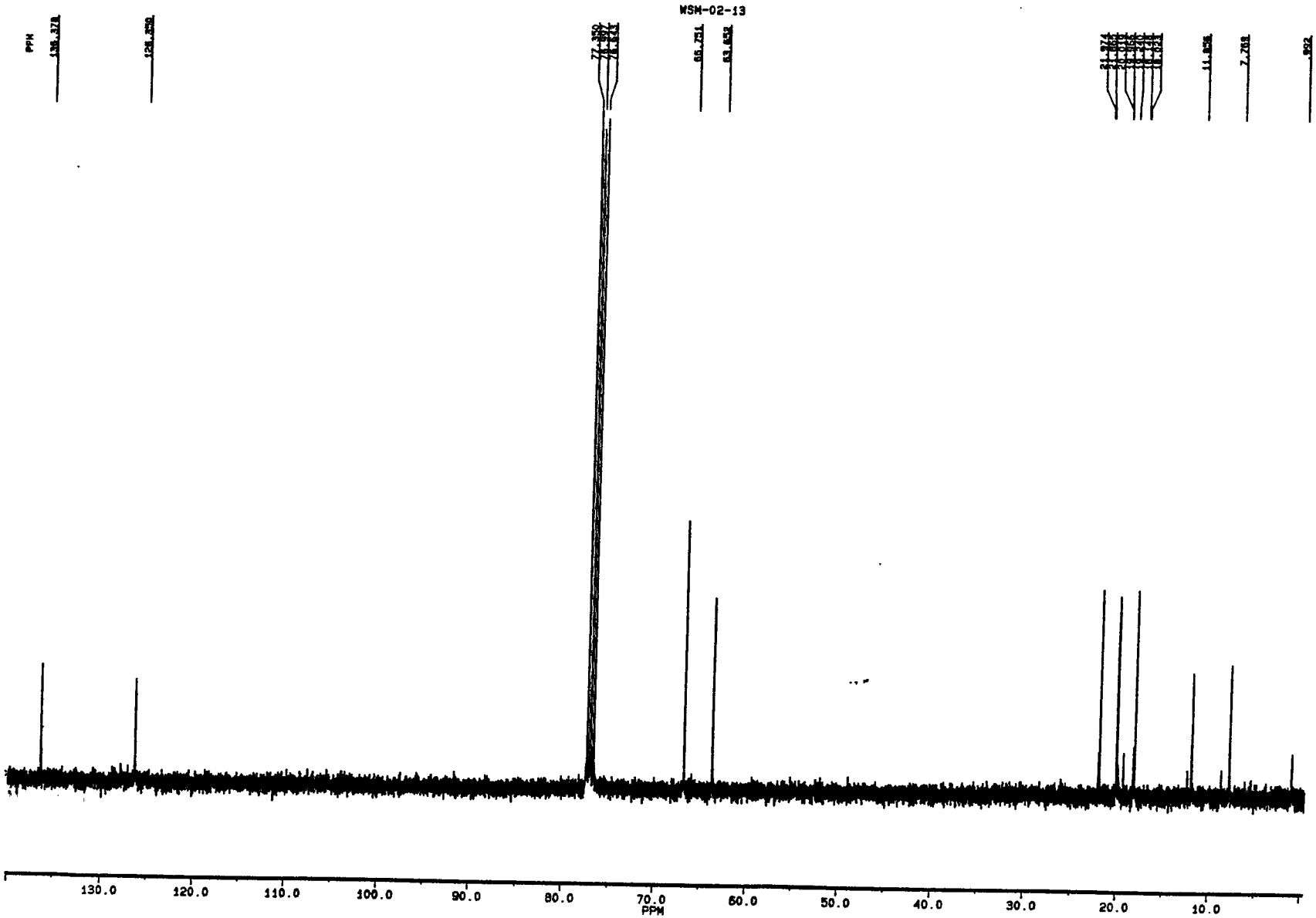
LB 1.000
GB .100
CX 35.00
CY 10 00
F1 80 004P
F2 -4.994P
HZ/CM 219.916
PPM/CM 2.429
SR -4238 66


HOCH2
CO2CH2CH3

19


160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
PPM

20



BRUKER

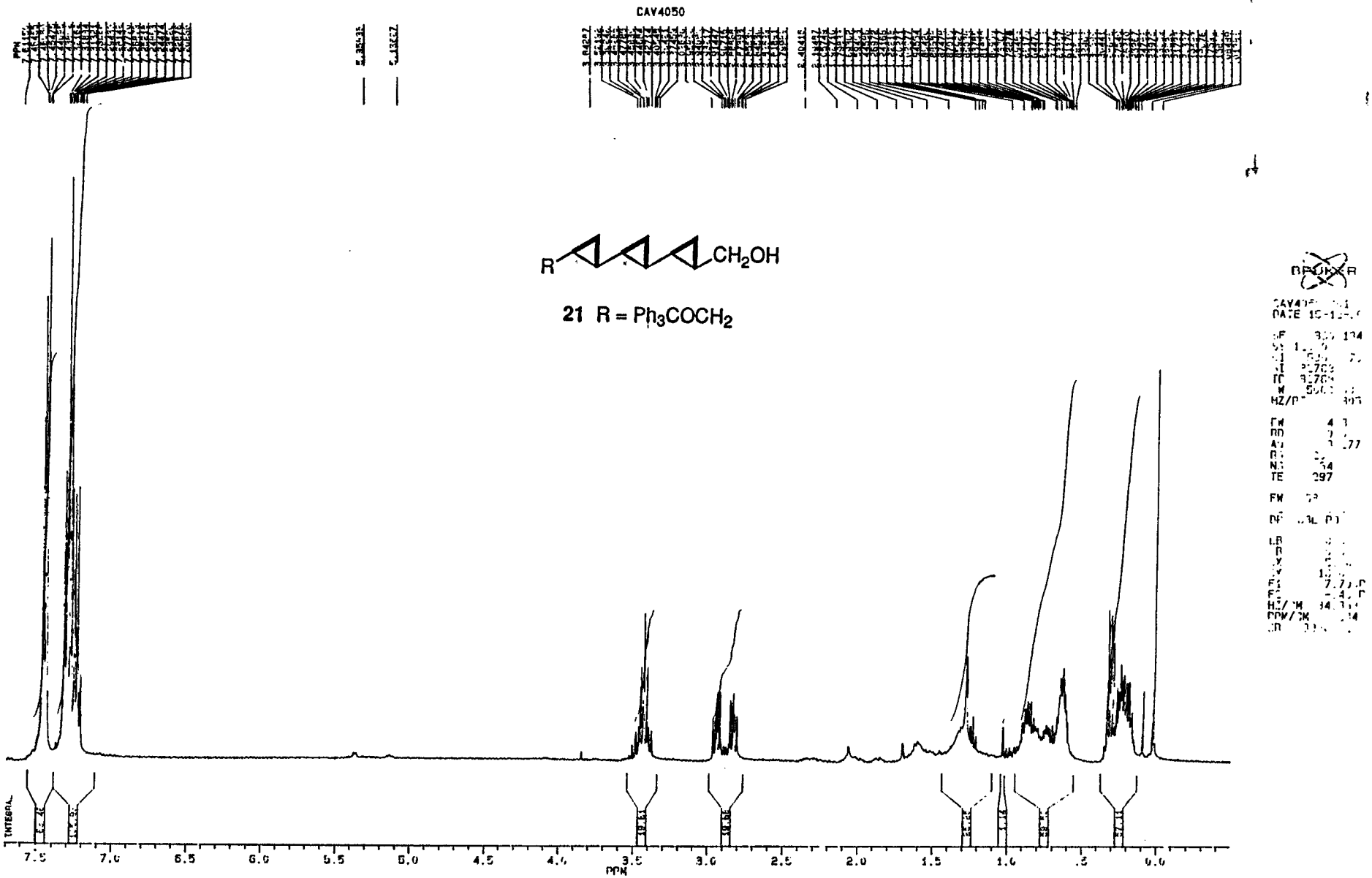
WSM10F.213
DATE 18-7-95

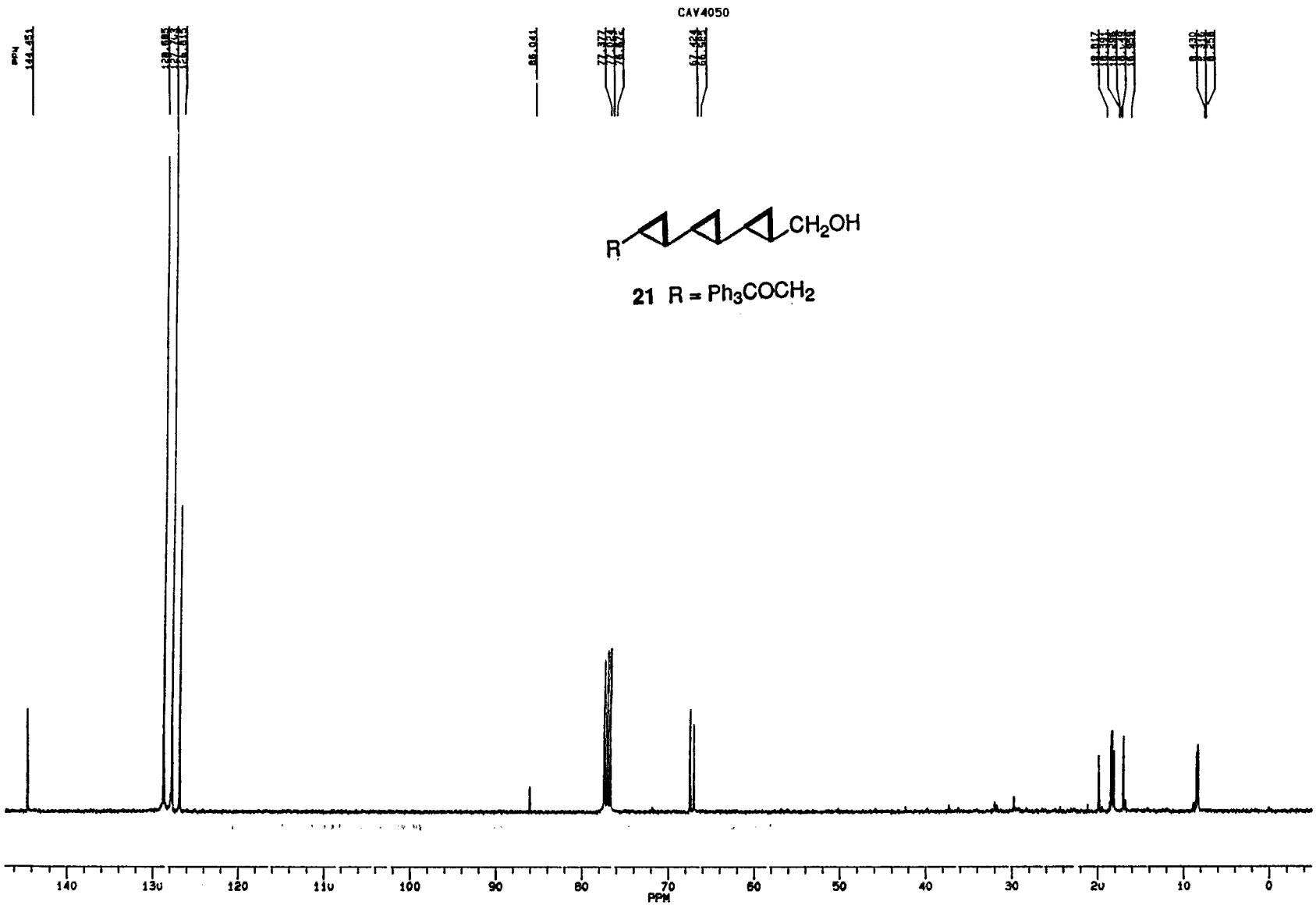
SF 90.556
SY 67.0
O1 5028.264
SI 65536
TD 65536
SW 21739.130
HZ/PT .663

PW 3.2
RD 0.0
AQ 1.507
RG 640
NS 12516
TE 297

FW 27200
O2 5960.670
DP 16L CPD

LB 0.0
GB 0.0
CX 35.00
CY 18.00
F1 140.005P
F2 -.489P
HZ/CM 363.500
PPM/CM 4.014
SR -4236.67


CAY4050
R
CH2OH
21 R = Ph3COCH2
BRUKER
INTEGRAL
PPM



21 R = Ph_3COCH_2

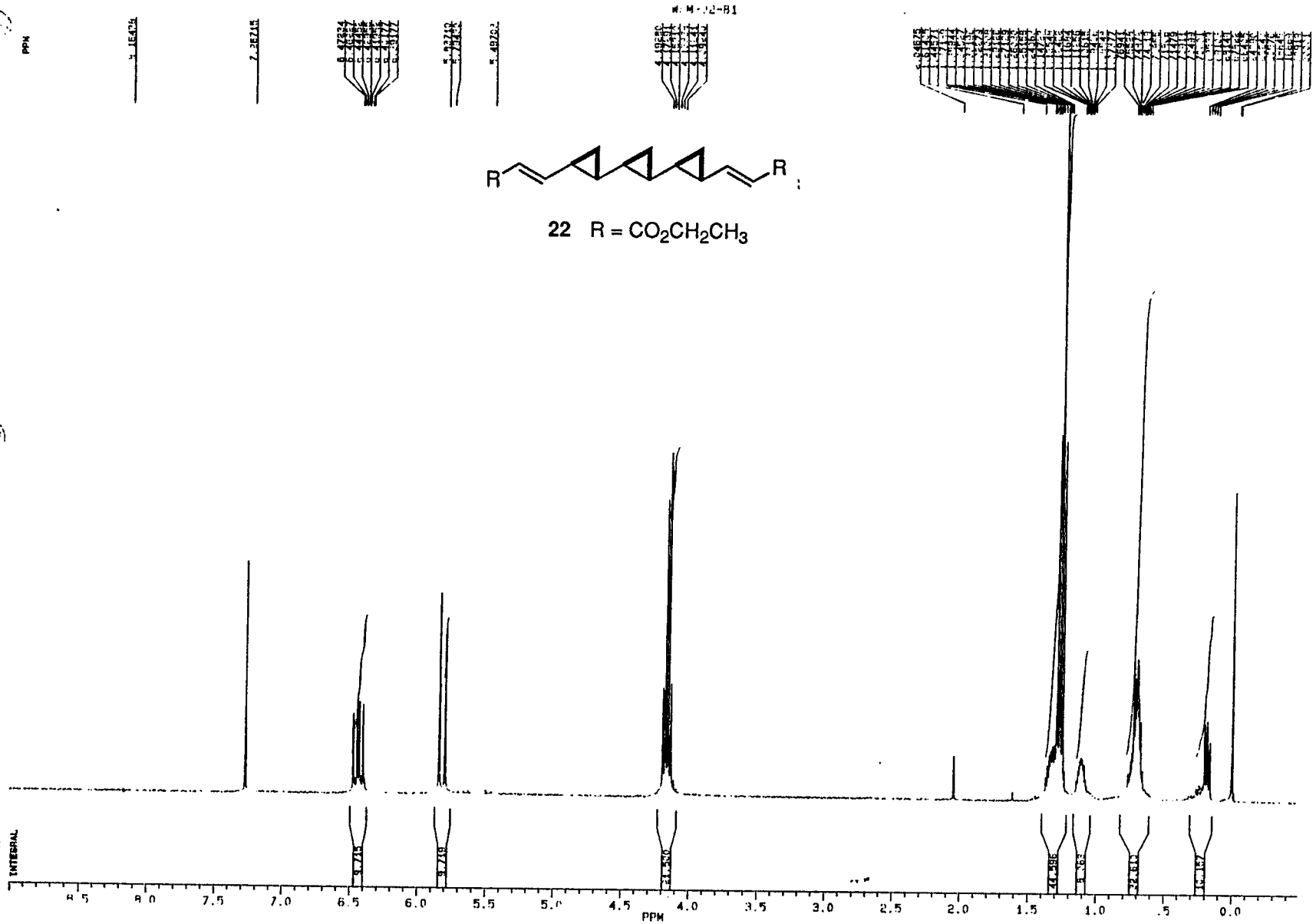
CAY4050 w13
DATE 15-12-96

SF 99.550
SY 67.0
D1 5028.64
SI 65536
TD 32768
SW 21739.1
HZ/PT .663

PW 3.2
RD 9.0
AQ 754
RG 640
NS 27448
TE 297

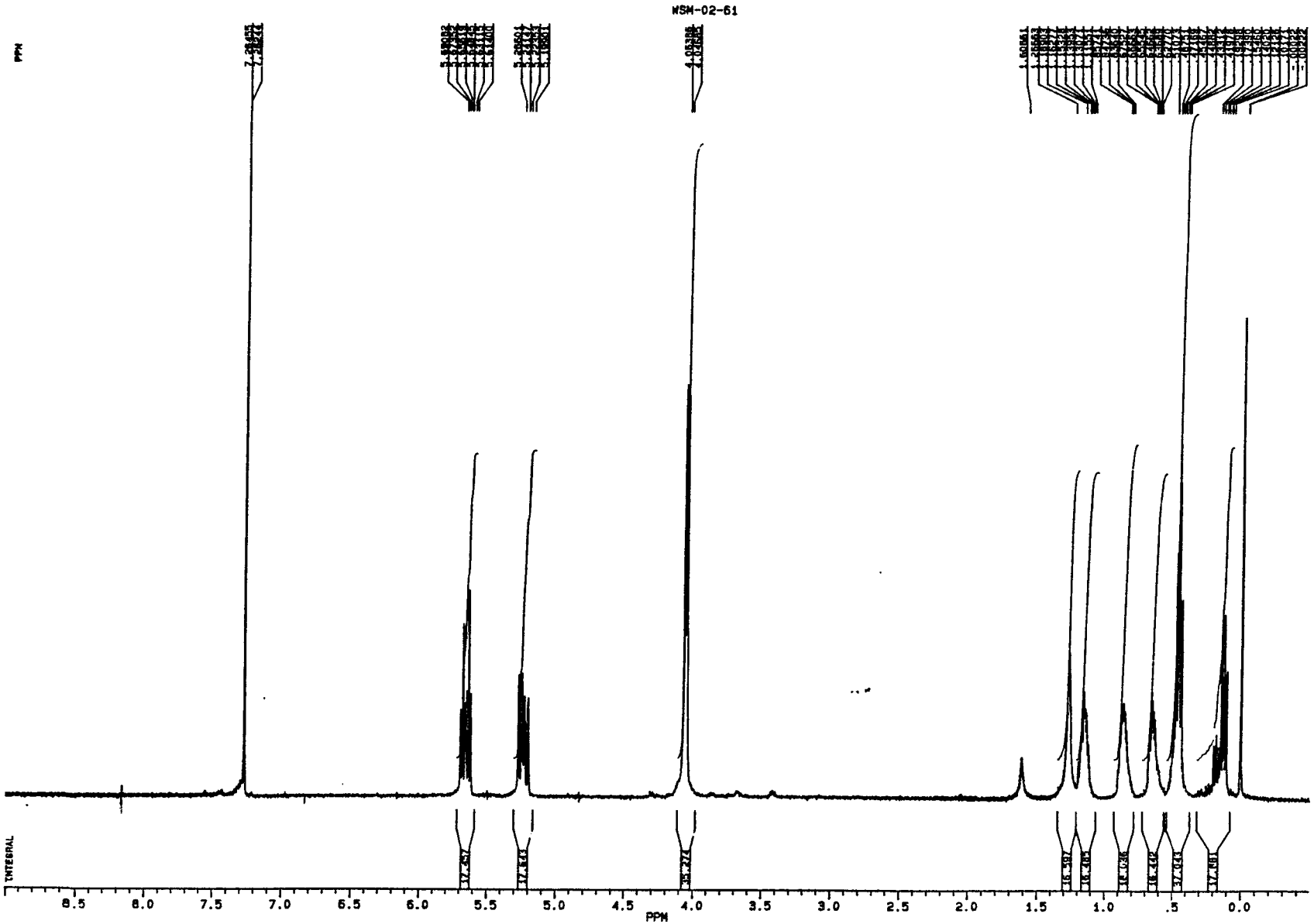
FW 27200
[illegible] 5960.676
DP 16L CPD

LB 1.000
GB .100
SX 15.00
SY 18.00
F1 147.001P
F2 -4.954P
HZ/CM 341.36L
PPM/CM 4.847
SR -4239.[illegible]



22 R = $CO_2CH_2CH_3$

23



BRUKER

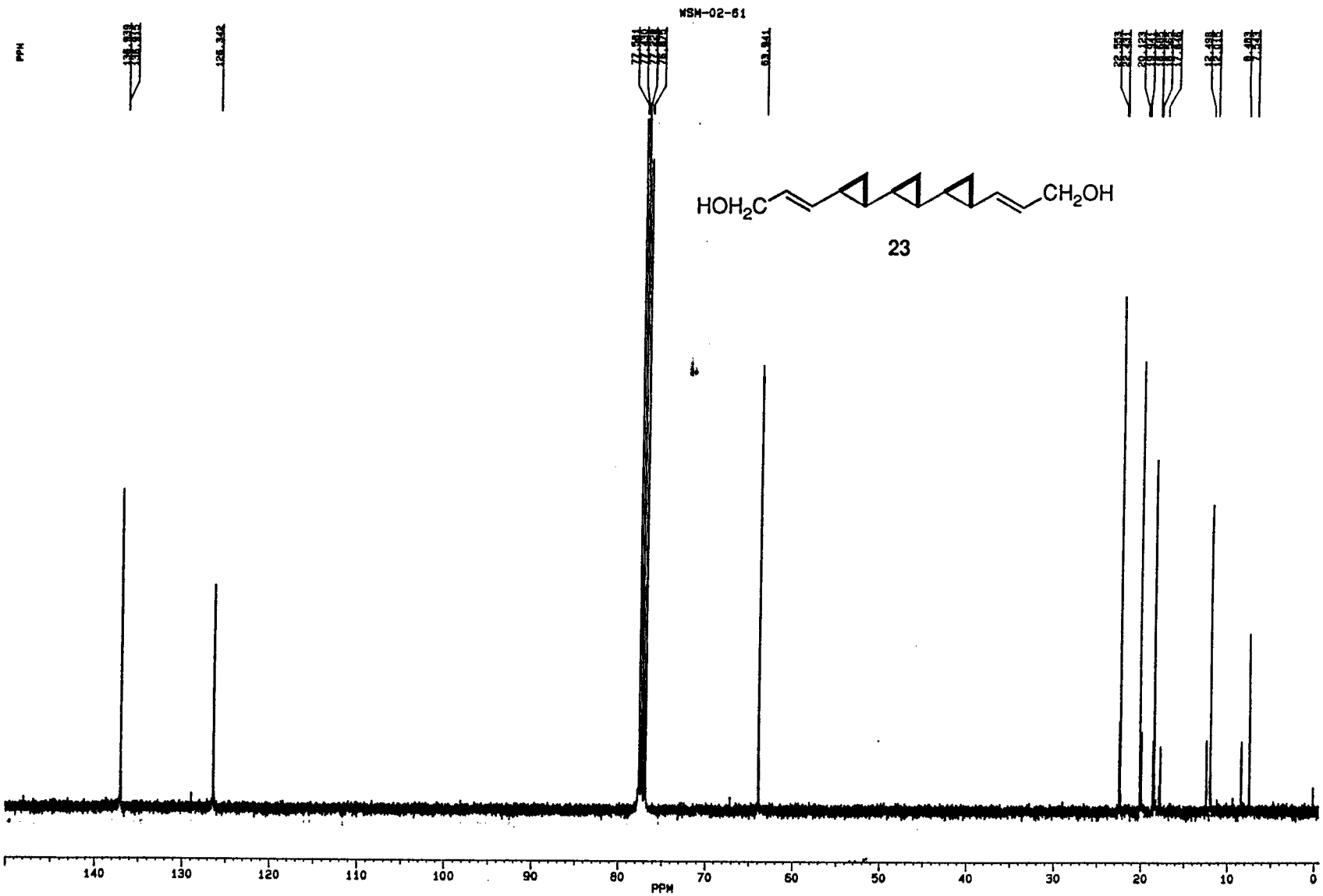
WSM00F.261
DATE 17-8-95

SF 360.134
SY 120.0
O1 5960.670
SI 32768
TD 32768
SW 5000.000
HZ/PT .305

PW 4.3
RD 0.0
AQ 3.277
RG 200
NS 16
TE 297

FW 6300
O2 0.0
DP 63L PO

LB 0.0
GB .100
CX 35.00
CY 18.00
F1 9.000P
F2 -.500P
HZ/CM 97.752
PPM/CM .271
SR 3982.22



BRUKER

WSM00F.261
DATE 17-8-95

SF 90.556
SY 67.0
O1 5028.264
SI 65536
TD 32768
SW 21739.130
HZ/PT .663

PW 3.2
RD 0.0
AQ .754
RG 640
NS 49799
TE 297

FW 27200
O2 5960.670
DP 16L CPD

LB 0.0
GB .100
CX 35.00
CY 18.00
F1 150.001P
F2 -.501P
HZ/CM 389.393
PPM/CM 4.300
SR -4257.49