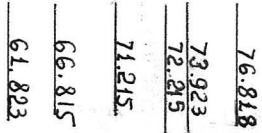
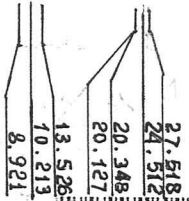


ppm

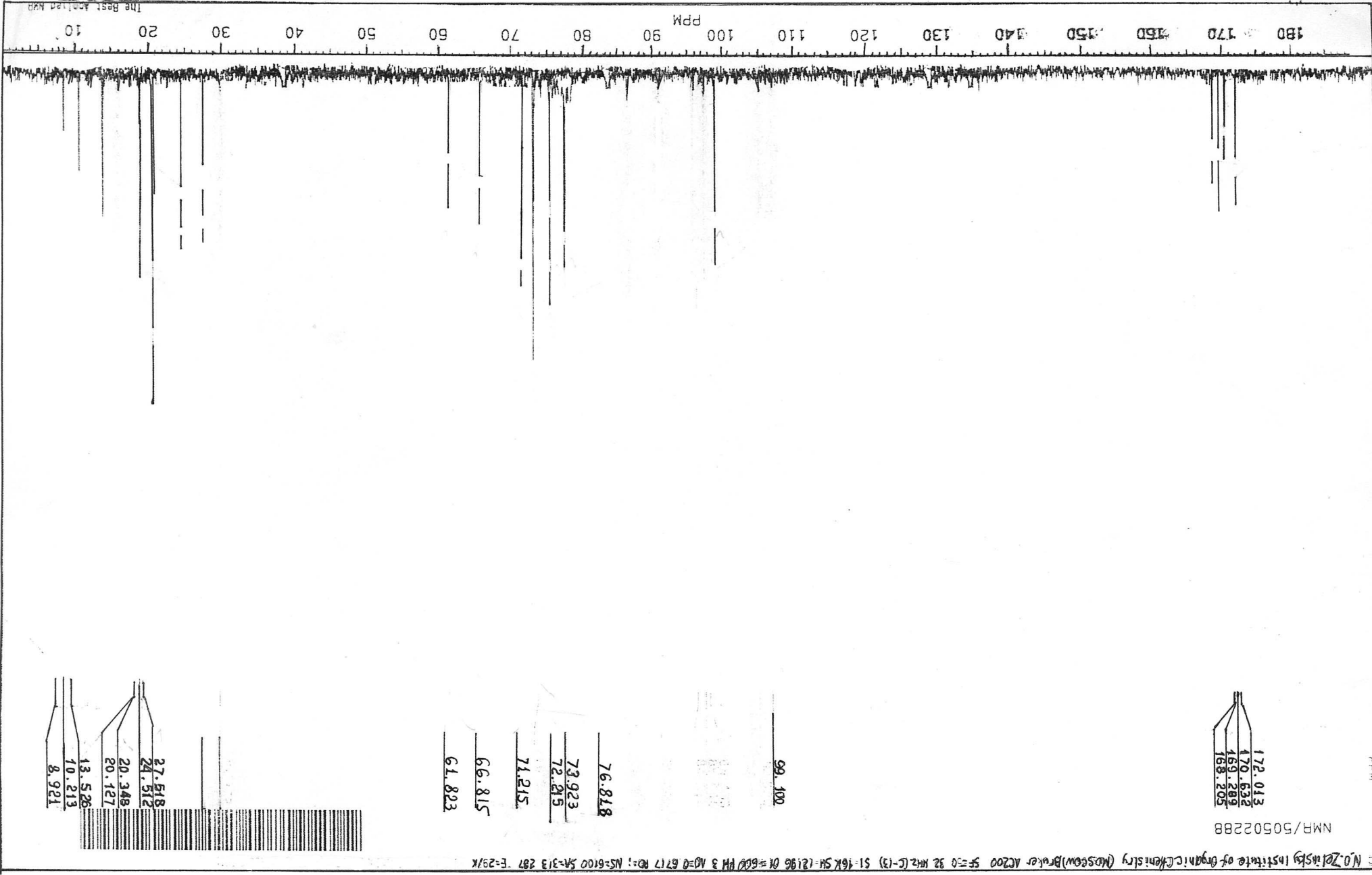


NMR/50502288

© N.O. Zelinsky Institute of Organic Chemistry (Moscow) Bruker AC200 SF=30 32 MHz (C-13) S1-16K SA-12196 DT=600 PM 3 AQ=0.6717 RD=: NS-6100 SA-313 287 F-29/K



99.100



The Best Applied NMR

NMR/50502288



PPM

170.075  
169.782  
168.565

104.460

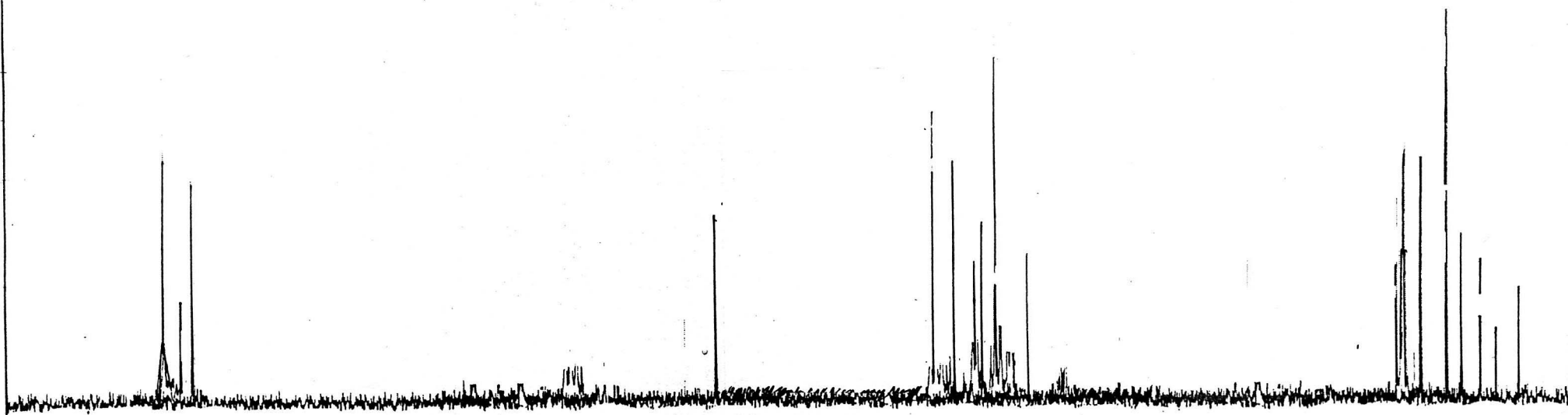
77.106

74.913

72.0  
71.612  
70.531

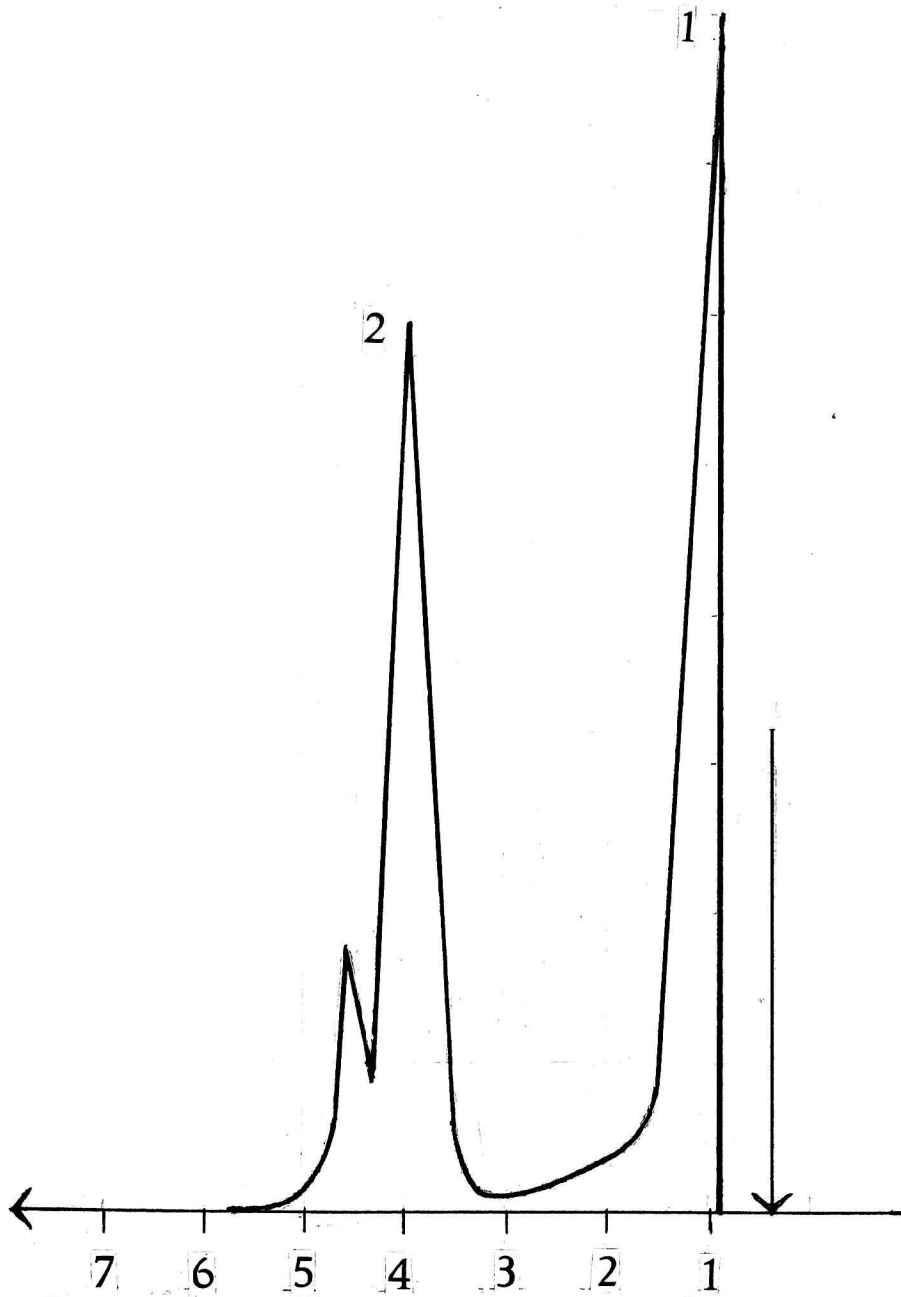
66.8

20.7  
20.313  
20.637  
16.641  
13.961  
11.540  
10.01  
7.541



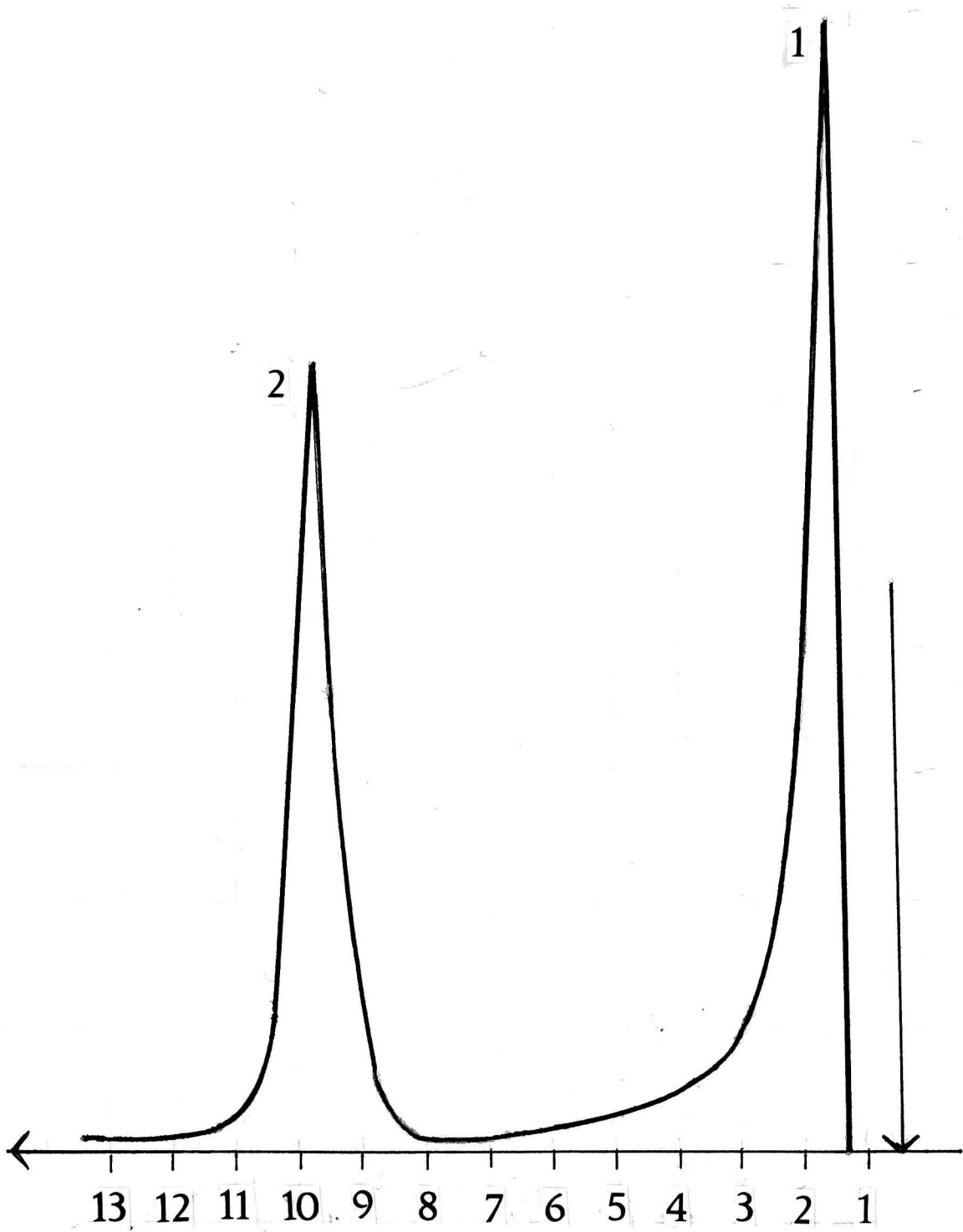
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10

PPM



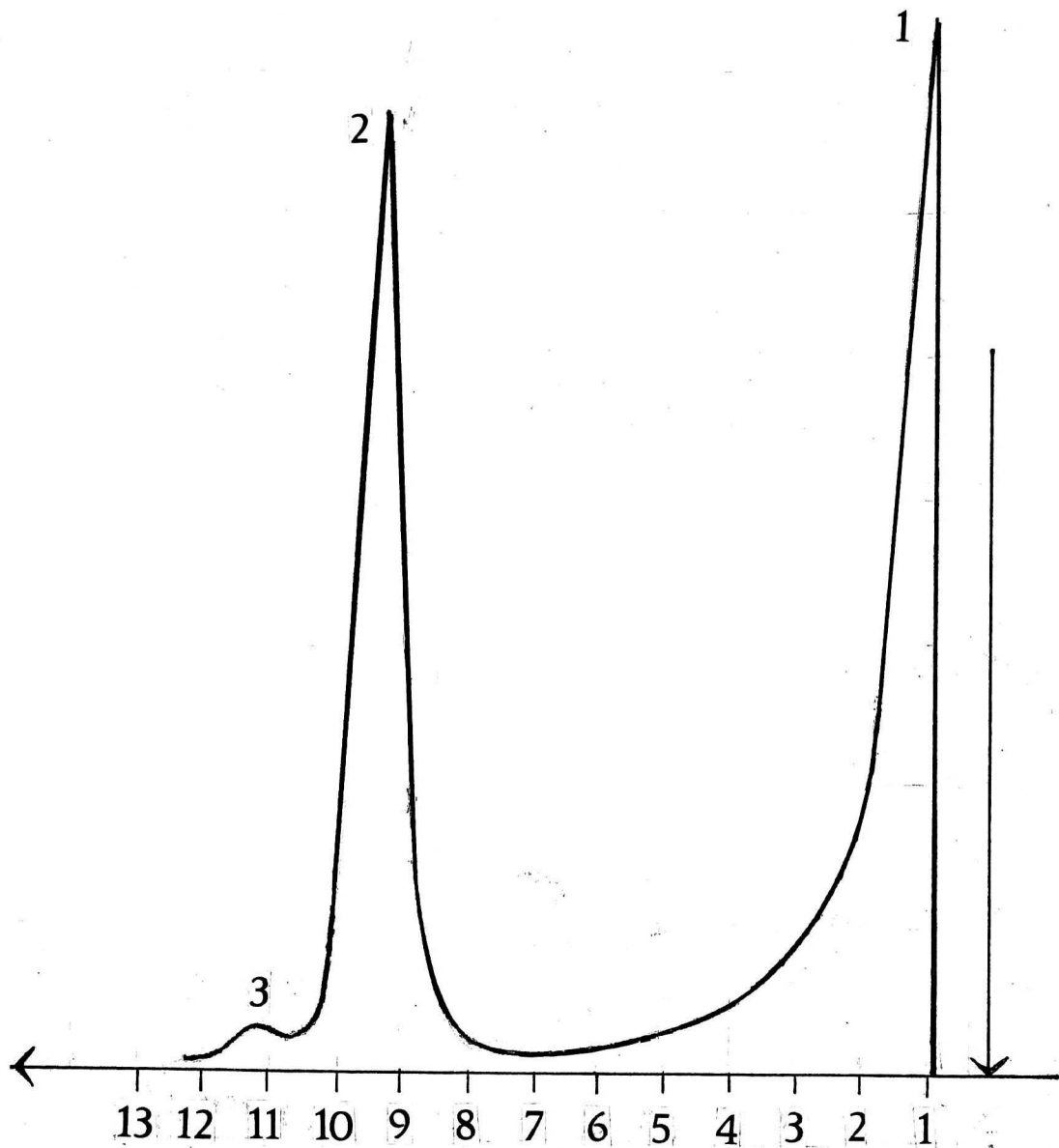
64. 3.

1. ჰექსანი
2. ძირითადი ნივთიერება (II)
3. მინარევი



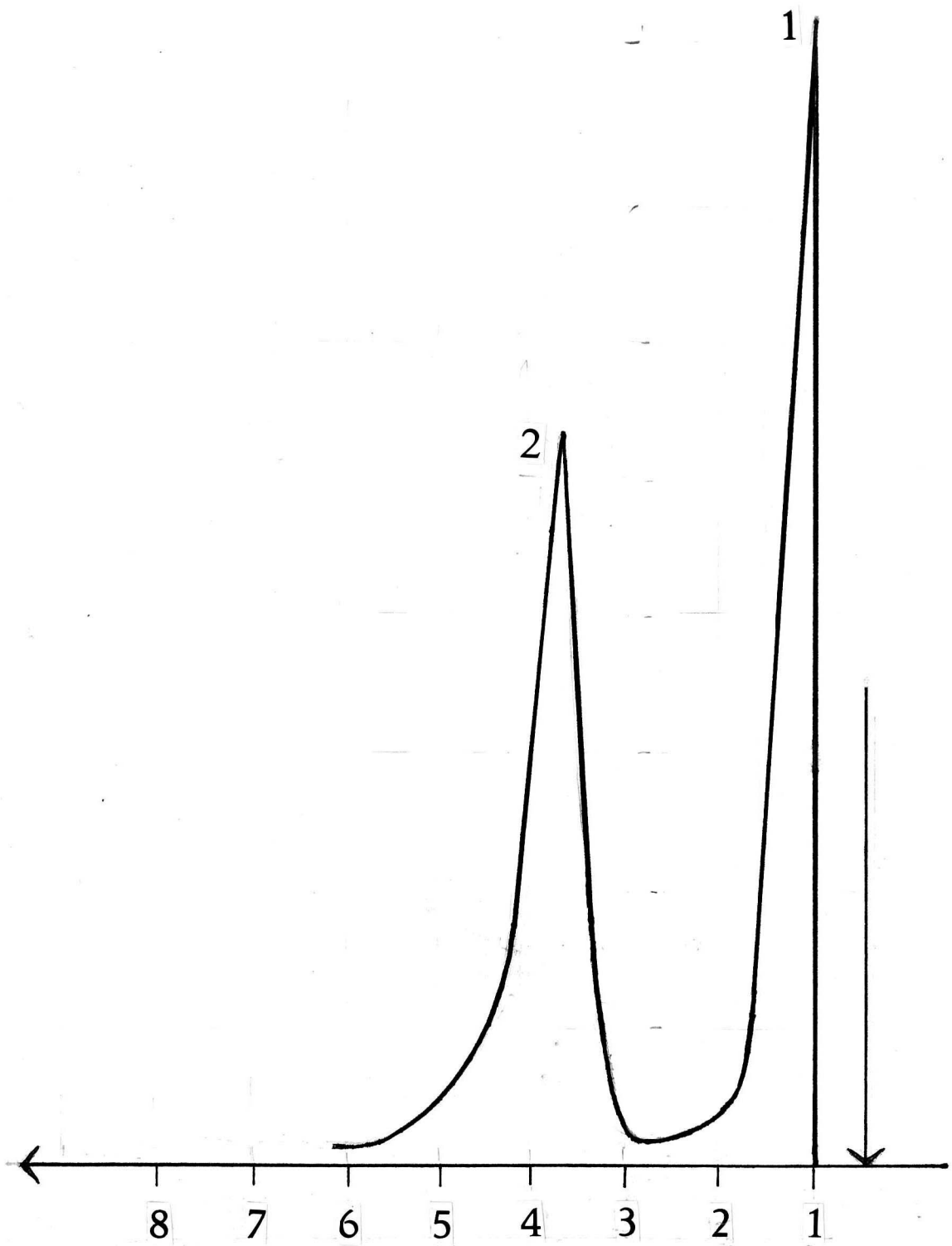
66. 2

1. ჰექსანი
2. ძირითადი ნიუთიერება (I)



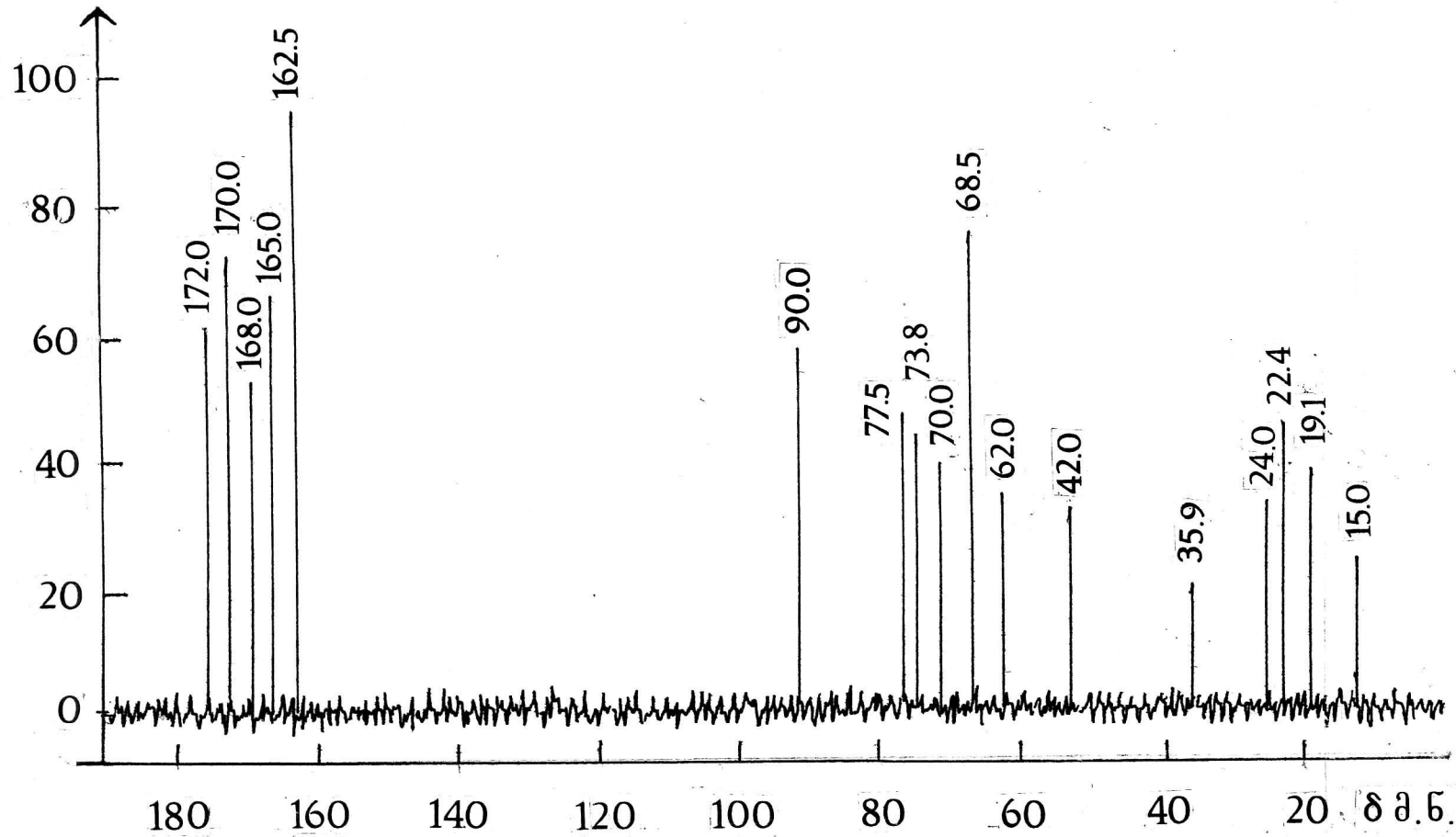
6.6. 2

1. ჰექსანი
2. ძირითადი ნივთიერება (I)
3. მუორე ნივთიერება

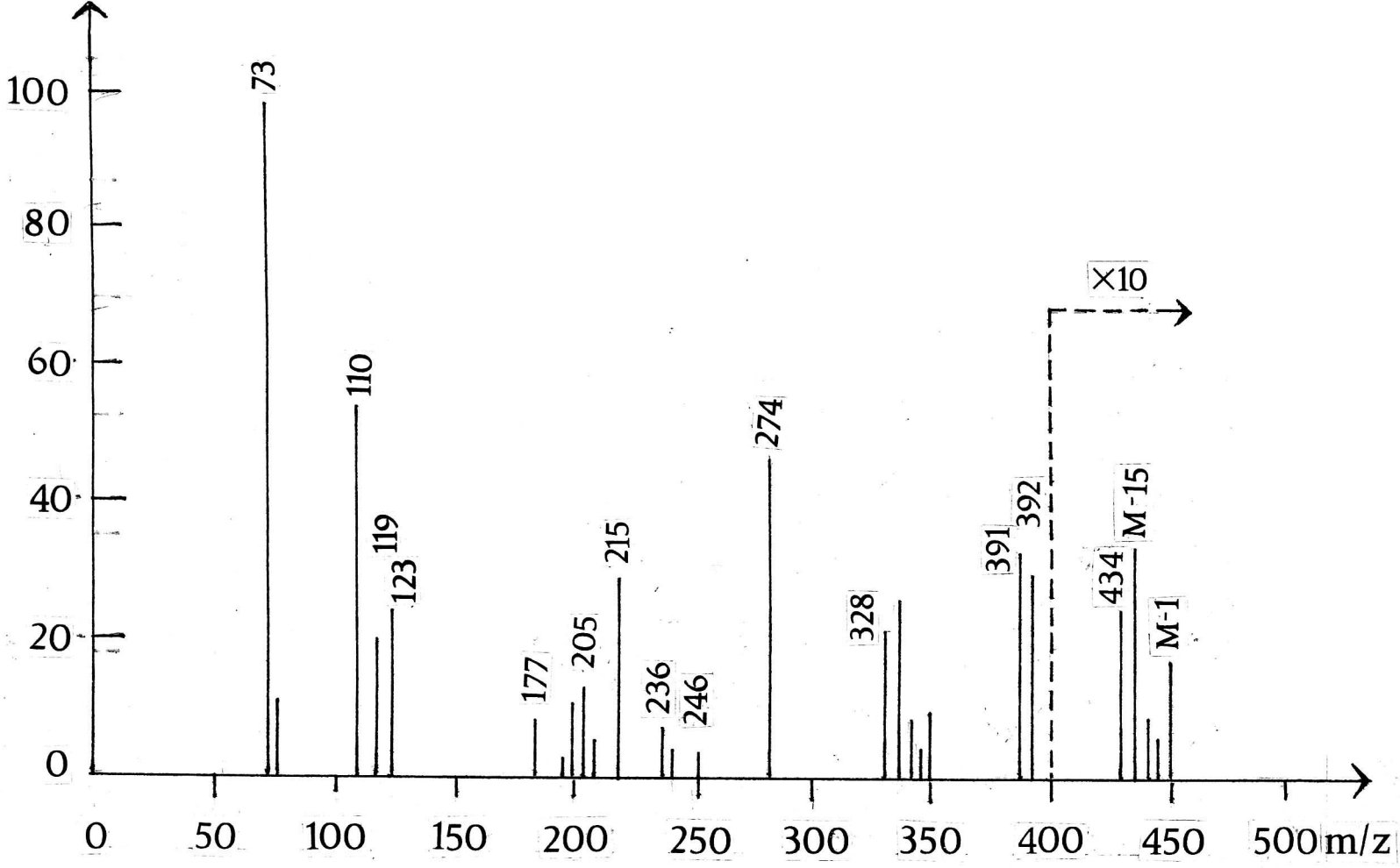


- 1. ჰექსანი
- 2. ძირითადი ნიუთიერება

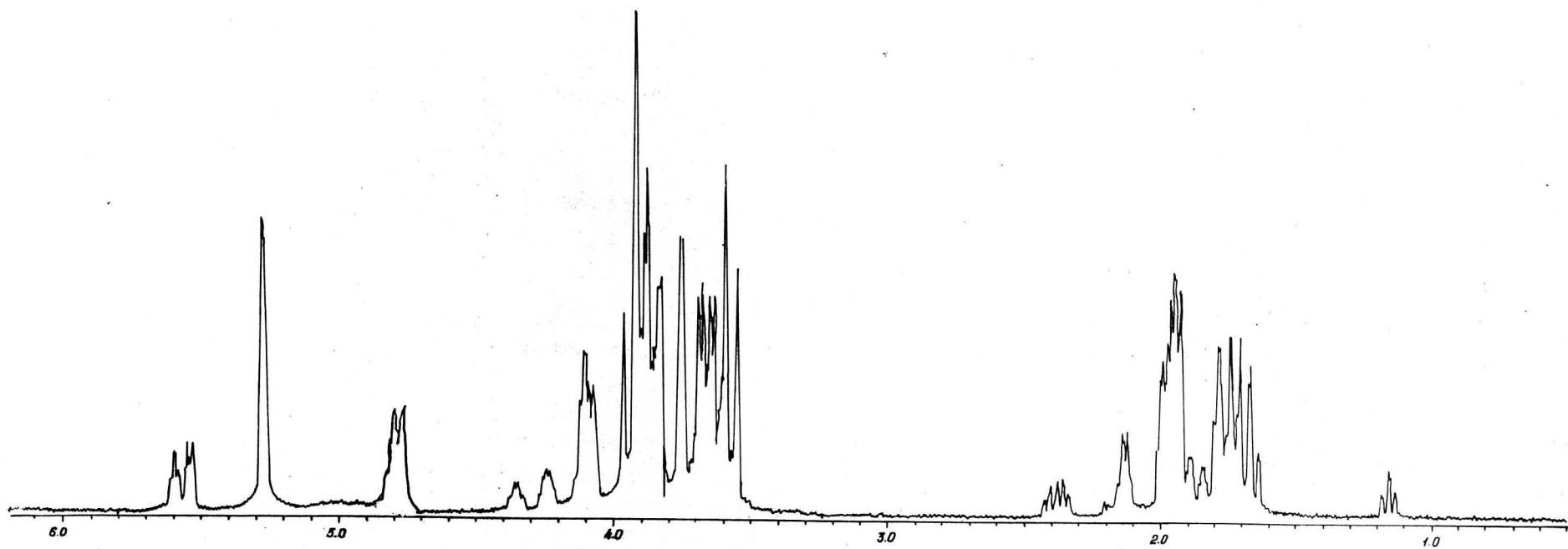
ფარდობითი ინტენსივობა, %



ფარდობითი ინტენსივობა, %







NMR/50502288



PPM

170.075  
169.785  
168.565

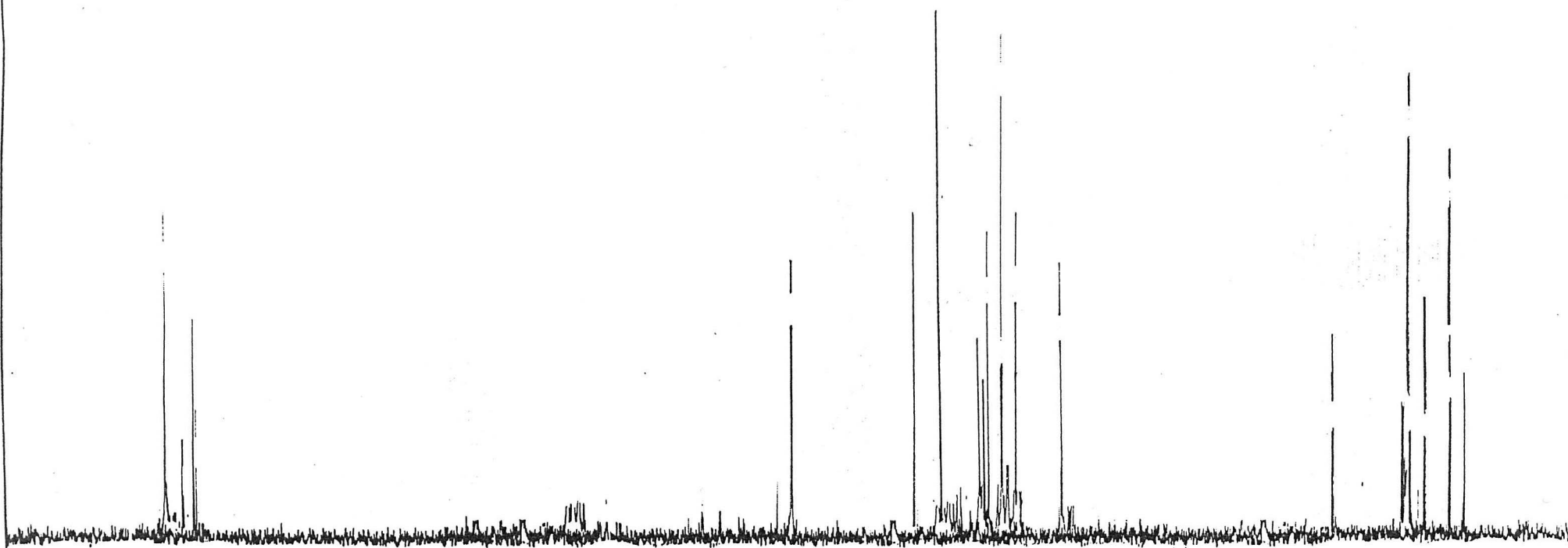
96.224

76.913  
72.797  
72.362  
71.612  
70.531  
68.801

62.902

24.721

20.713  
20.637  
15.641  
13.861



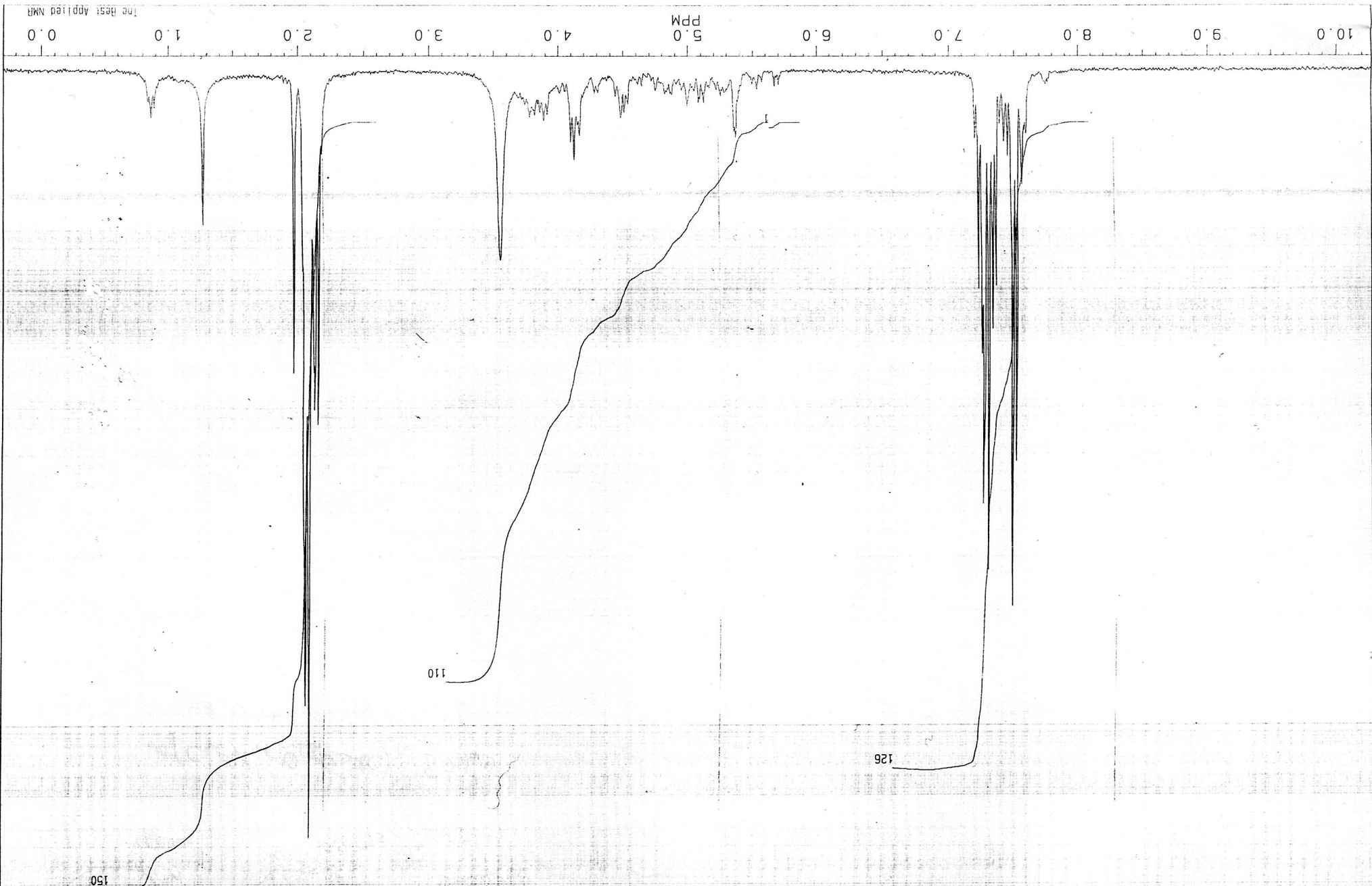
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10

PPM

NMRL 741208166



150



The Best Applied NMR

ppm

NMR/50500976

© N.D. Zelinsky Institute of Organic Chemistry (Moscow); Bruker AM300 SF=75.47 MHz(C-13) SI=16X SM=17241 01=46100 PM=3.5 AQ=0.4751 RD=1 NS=1412 SR=38593.434 TE=297K

175.885  
170.0

100.886

91.9

77.510  
77.078  
76.656  
72.966  
72.330  
71.952  
70.823  
66.801  
61.815  
60.980

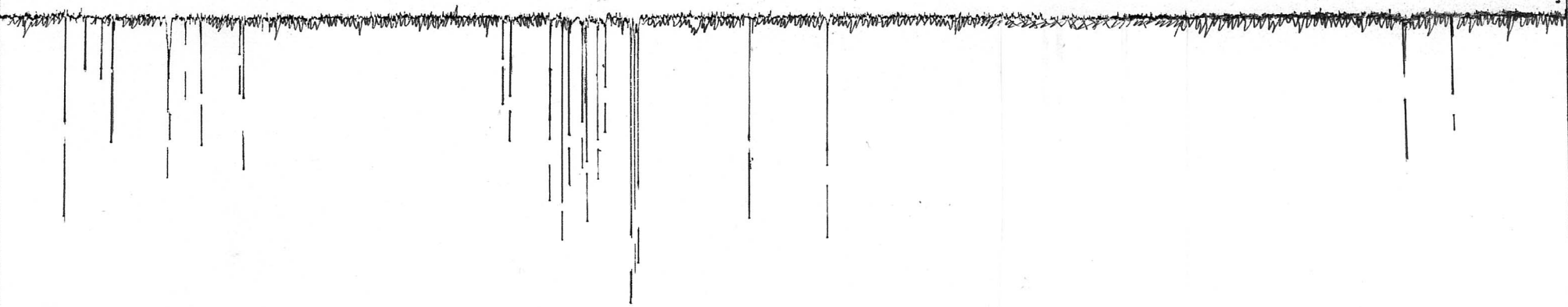
29.725  
29.385  
24.091  
22.720  
20.781  
20.617  
13.40  
8.05



180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10

PPM

The Best 7-tiled NVR



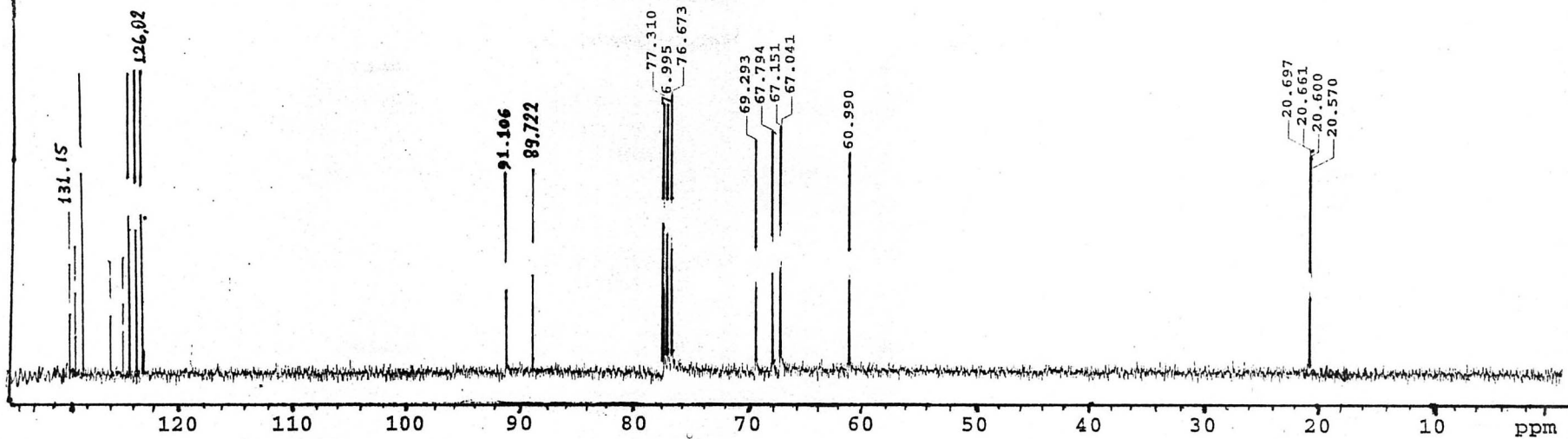
13C OBSERVE

Pulse Sequence: s2pul

Solvent: CDCl3  
Temp. 25.0 C / 298.1 K  
UNITY-400 "uppkemws2"

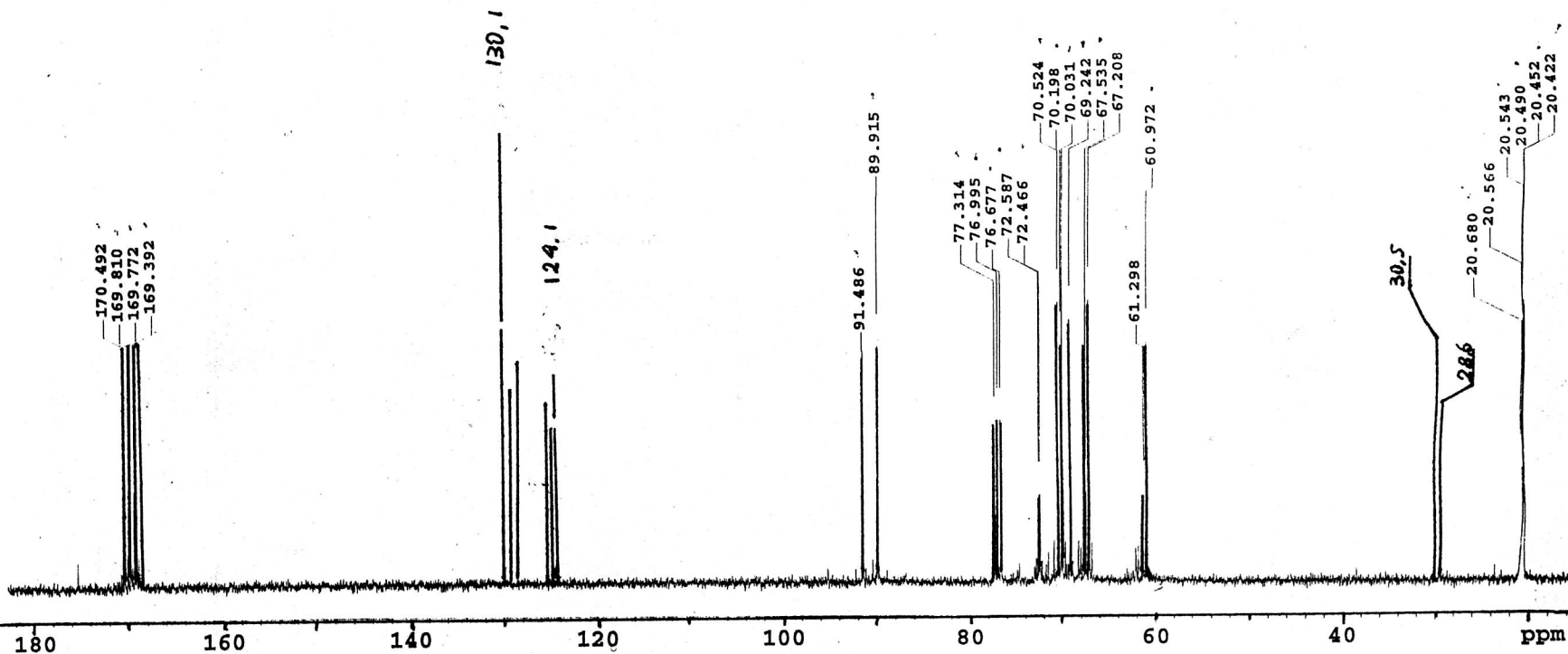
User tamaz  
Date Sep 11 2002  
PULSE SEQUENCE: s2pul  
Relax. delay 1.000 sec  
Pulse 62.4 degrees  
Acq. time 1.199 sec  
Width 40000.0 Hz  
176 repetitions

OBSERVE C13, 100.57 MHz  
DECOUPLE H1, 399.95 MHz  
Power 46 dB  
continuously on  
WALTZ-16 modulated  
Single precision data  
DATA PROCESSING  
Line broadening 1.0 Hz  
FT size 131072  
Total time 6 minutes

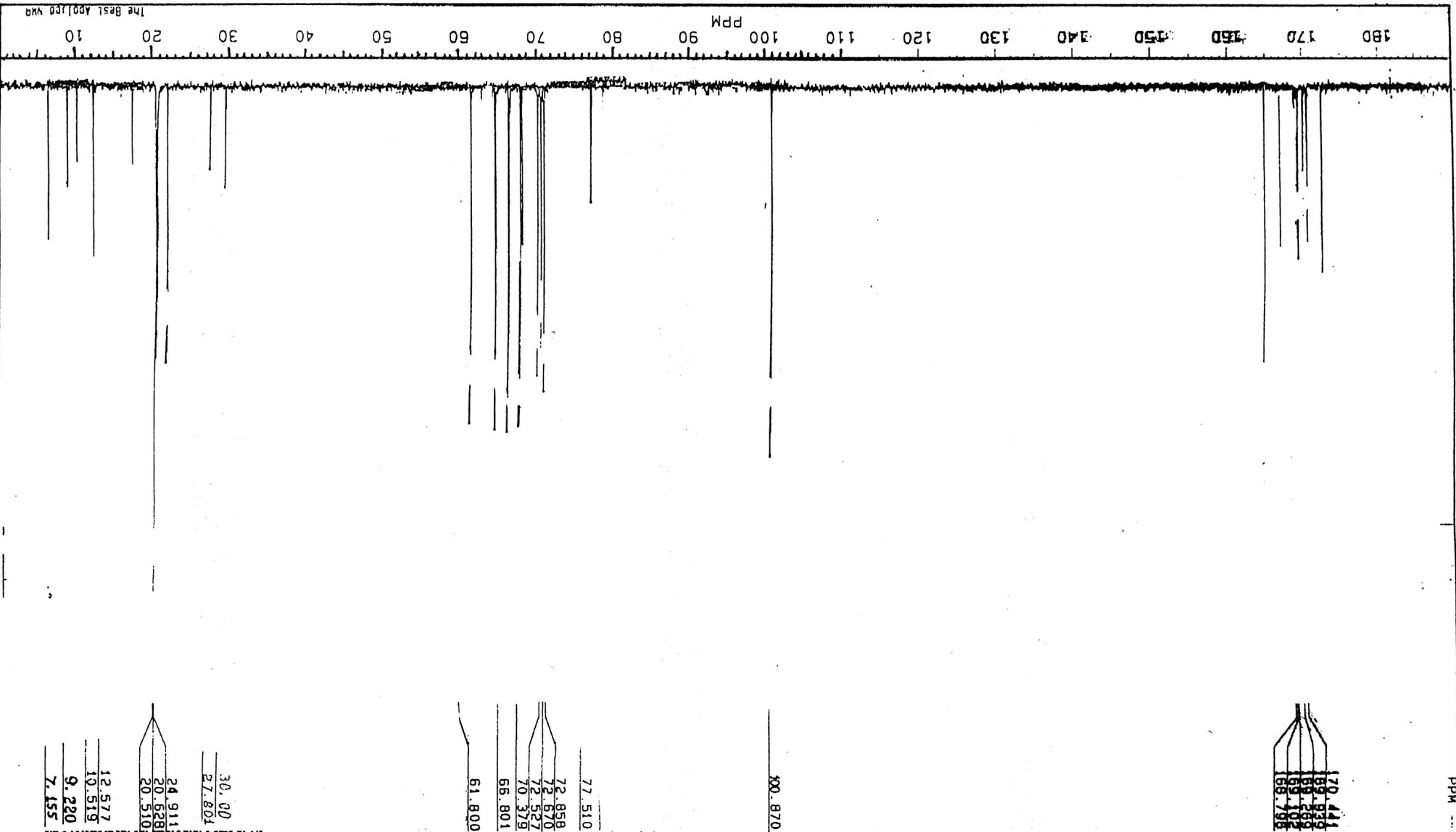


13C OBSERVE

Pulse Sequence: s2pul  
Solvent: CDC13  
Temp. 25.0 C / 298.1 K  
UNITY-400 "uppkemws2"  
User tamaz  
Date Sep 12 2002  
PULSE SEQUENCE: s2pul  
Relax. delay 1.000 sec  
Pulse 52.4 degrees  
Acq. time 1.199 sec  
Width 25000.0 Hz  
176 repetitions  
OBSERVE C13, 100.57 MHz  
DECOUPLE H1, 399.95 MHz  
Power 46 dB  
continuously on  
WALTZ-16 modulated  
Single precision data  
DATA PROCESSING  
Line broadening 1.0 Hz  
FT size 65536  
Total time 6 minutes

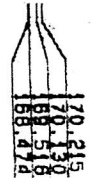


NMR/505D2290



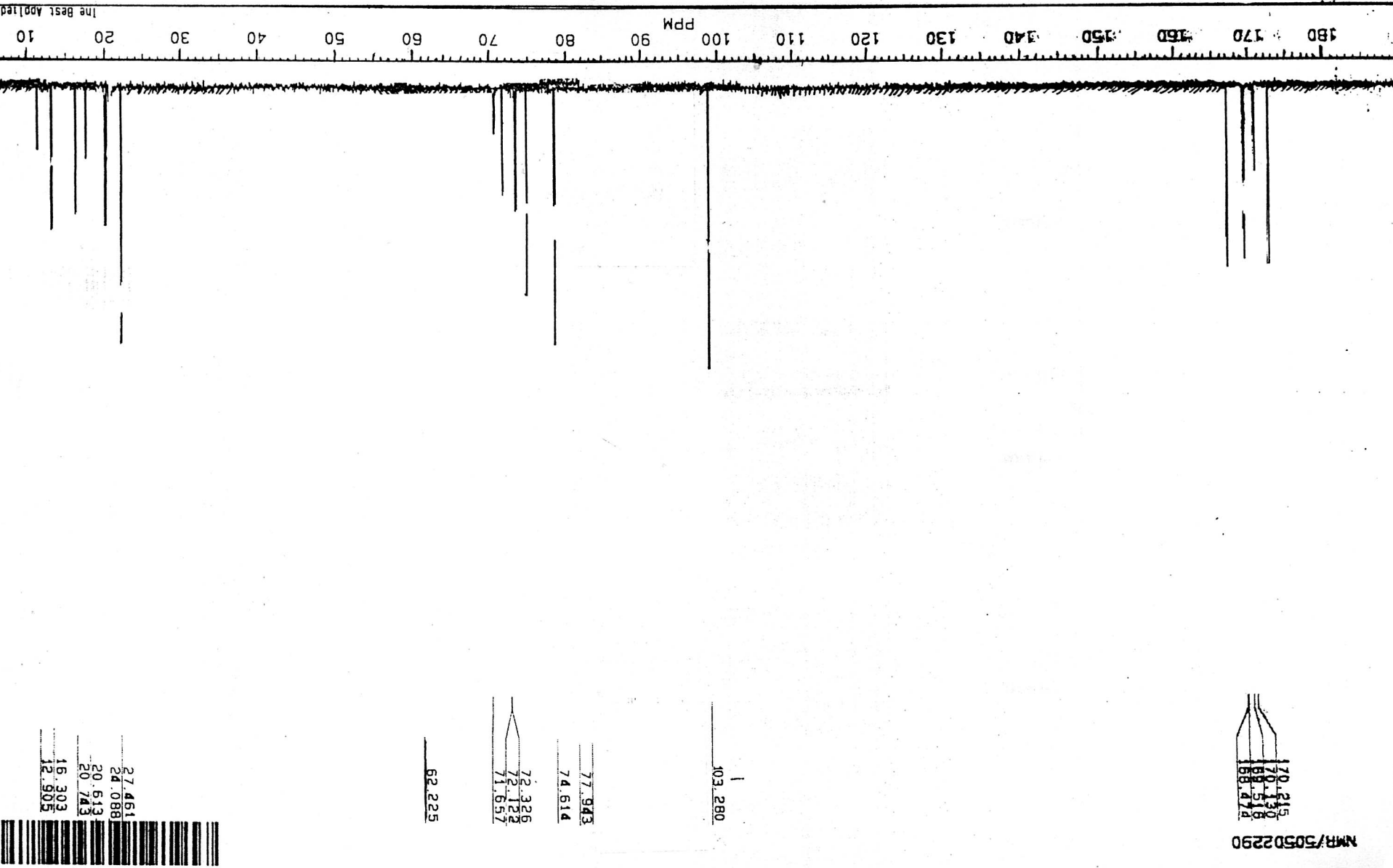
The Best Acquired NMR

ppm



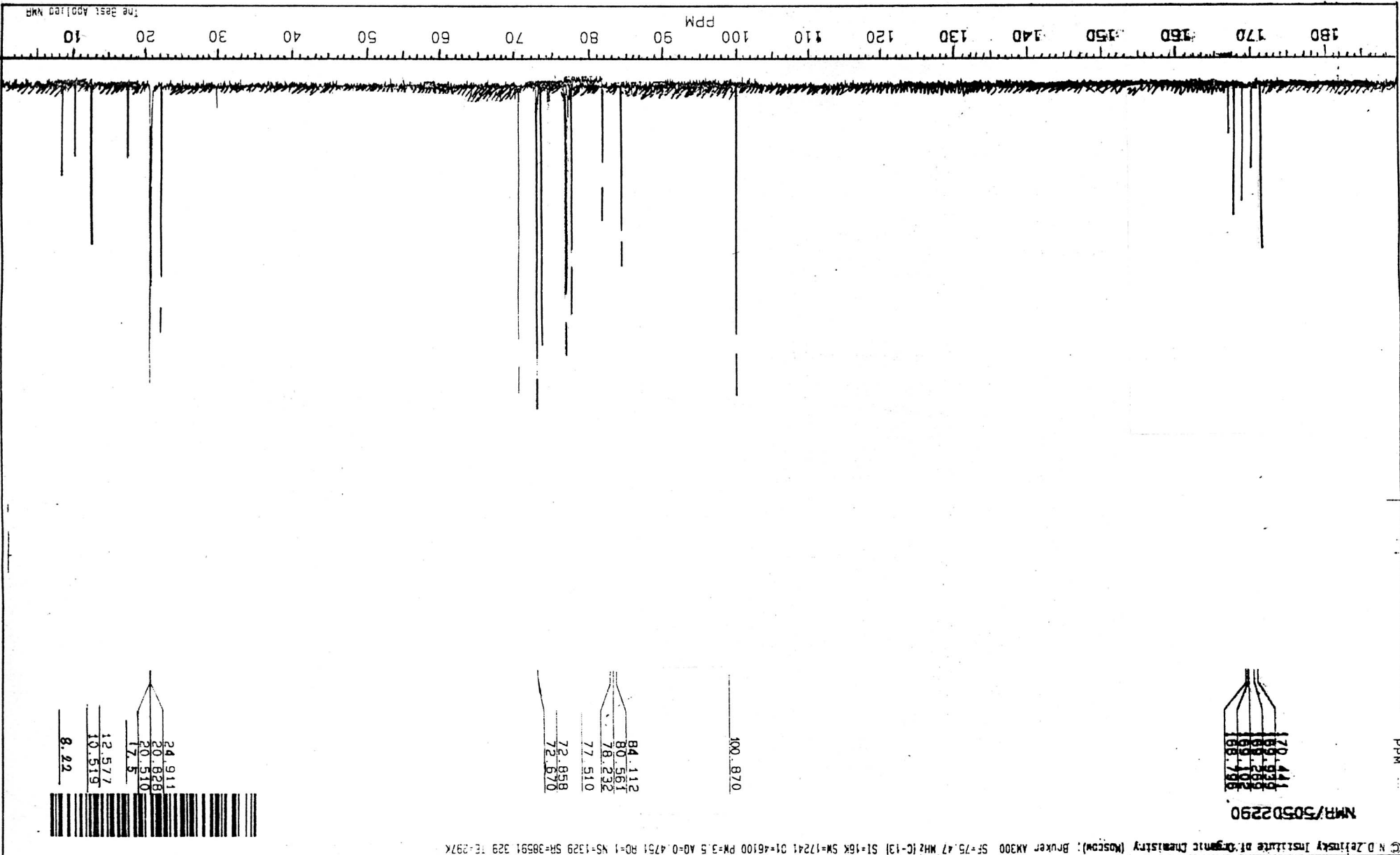
NMR/50502290

V.D. Zelinsky Institute of Organic Chemistry (Moscow); Bruker AX300 SF-75.47 MHz (C-13) SI-16K SM-17241 01-46100 PM-3.5 AD-0 4751 RD=1 NS-1329 SR-98591 329 TE-297K



The Best Applied NMR





ppm

NMR/505D2290

The Best Applied NMR