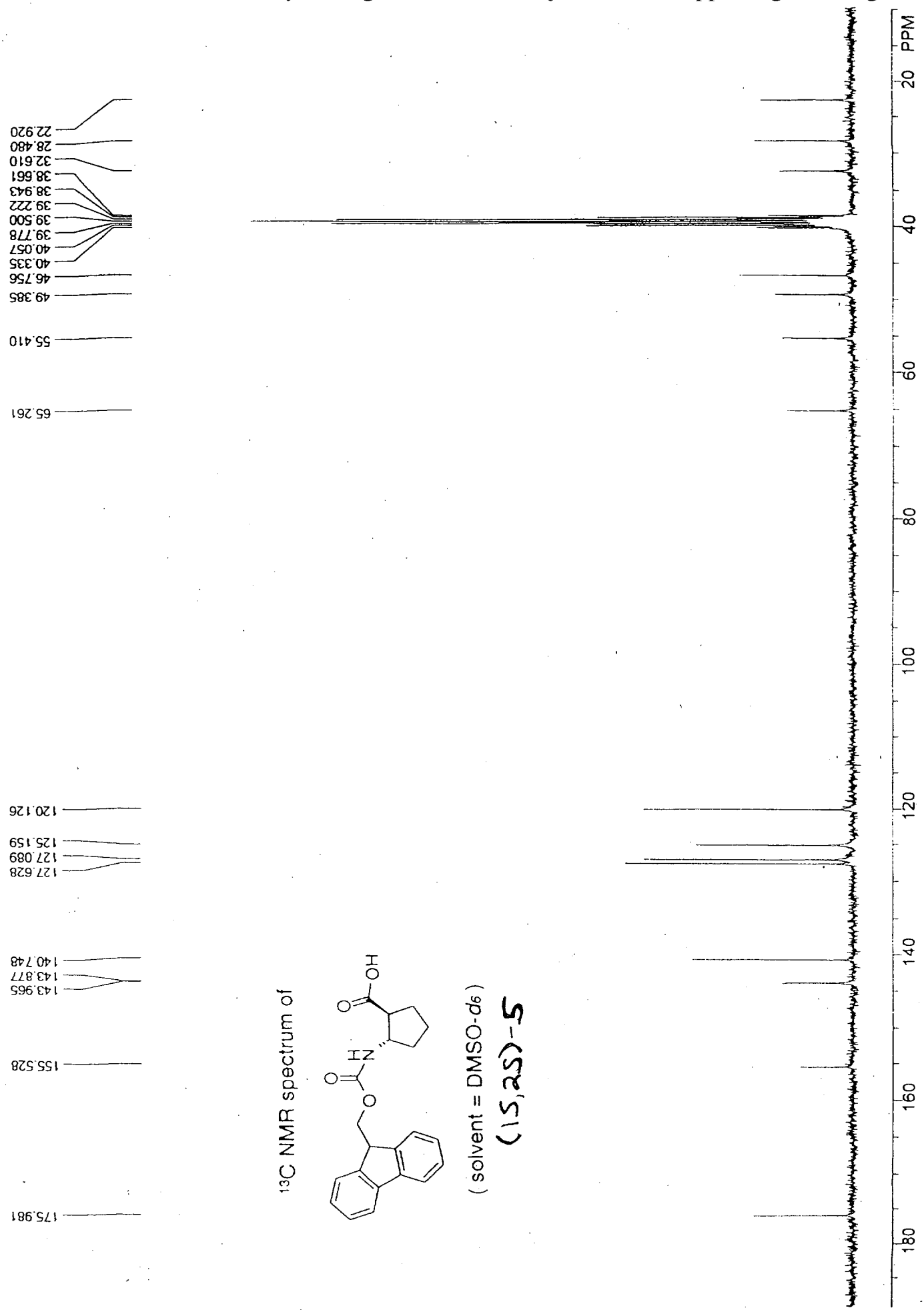
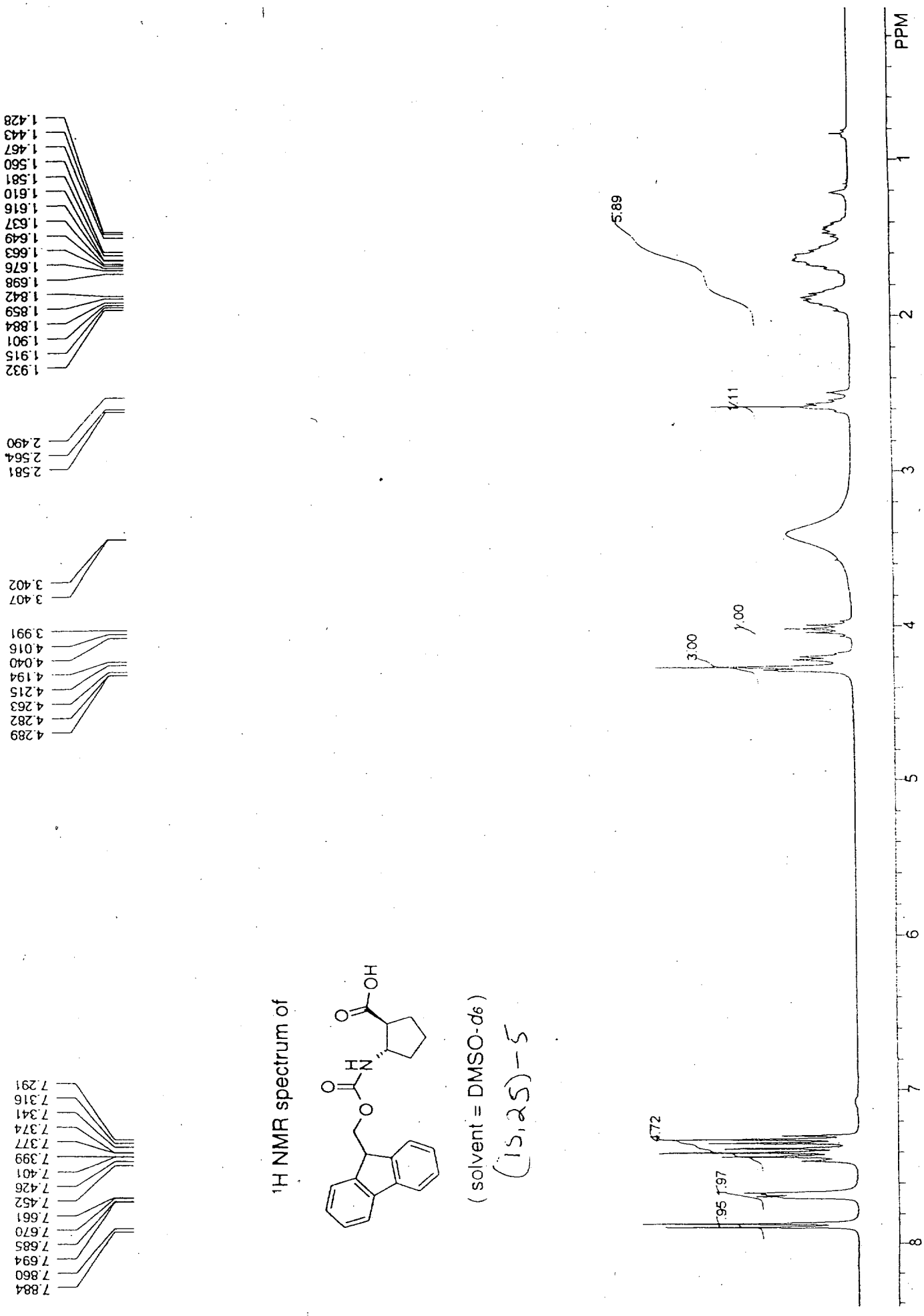
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^{13}C NMR spectrum of

(solvent = DMSO-d_6)

(1S,2S)-5



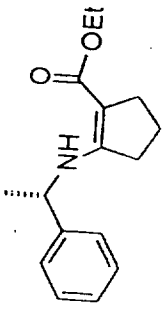
^{1}H NMR spectrum of

(solvent = DMSO-d_6)

(1S,2S)-5

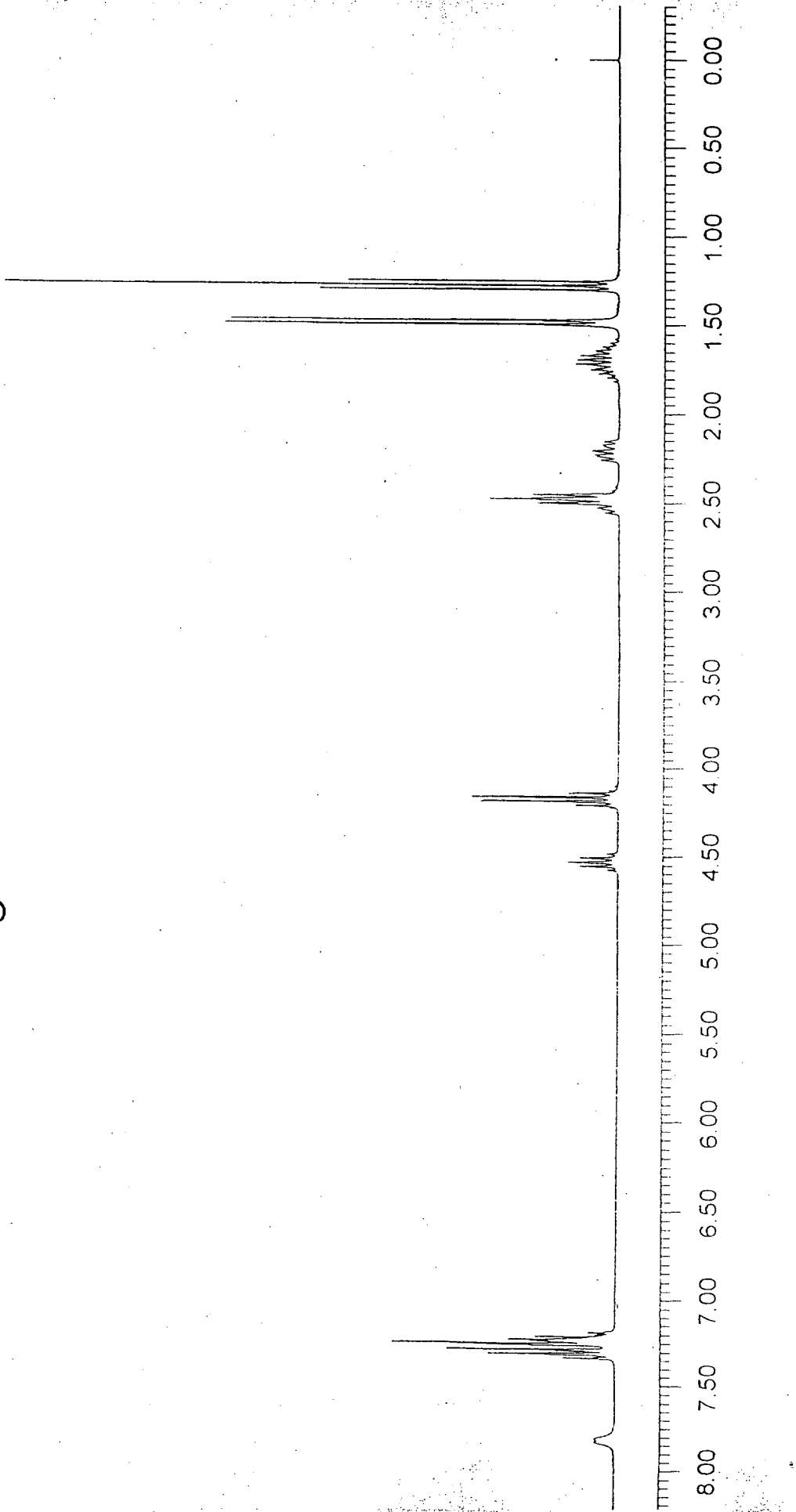
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^{1}H NMR spectrum of

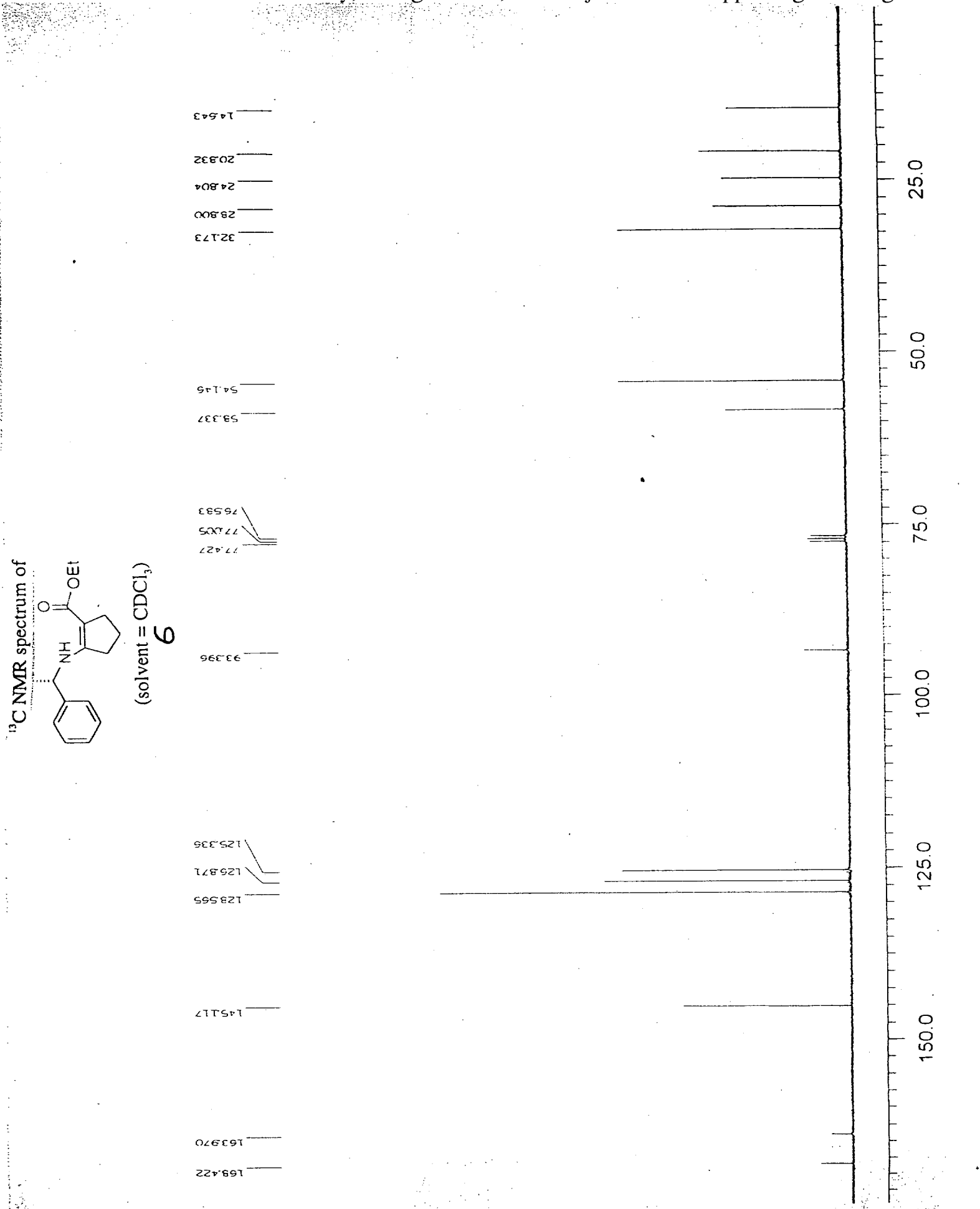


(solvent = $CDCl_3$)

6



S3


^{13}C NMR spectrum of
(solvent = $CDCl_3$)
6
14.543
20.332
24.804
28.800
32.173
54.145
59.337
75.583
77.205
77.427
93.396
125.335
125.871
128.565
145.117
163.970
169.422
25.0
50.0
75.0
100.0
125.0
150.0

54

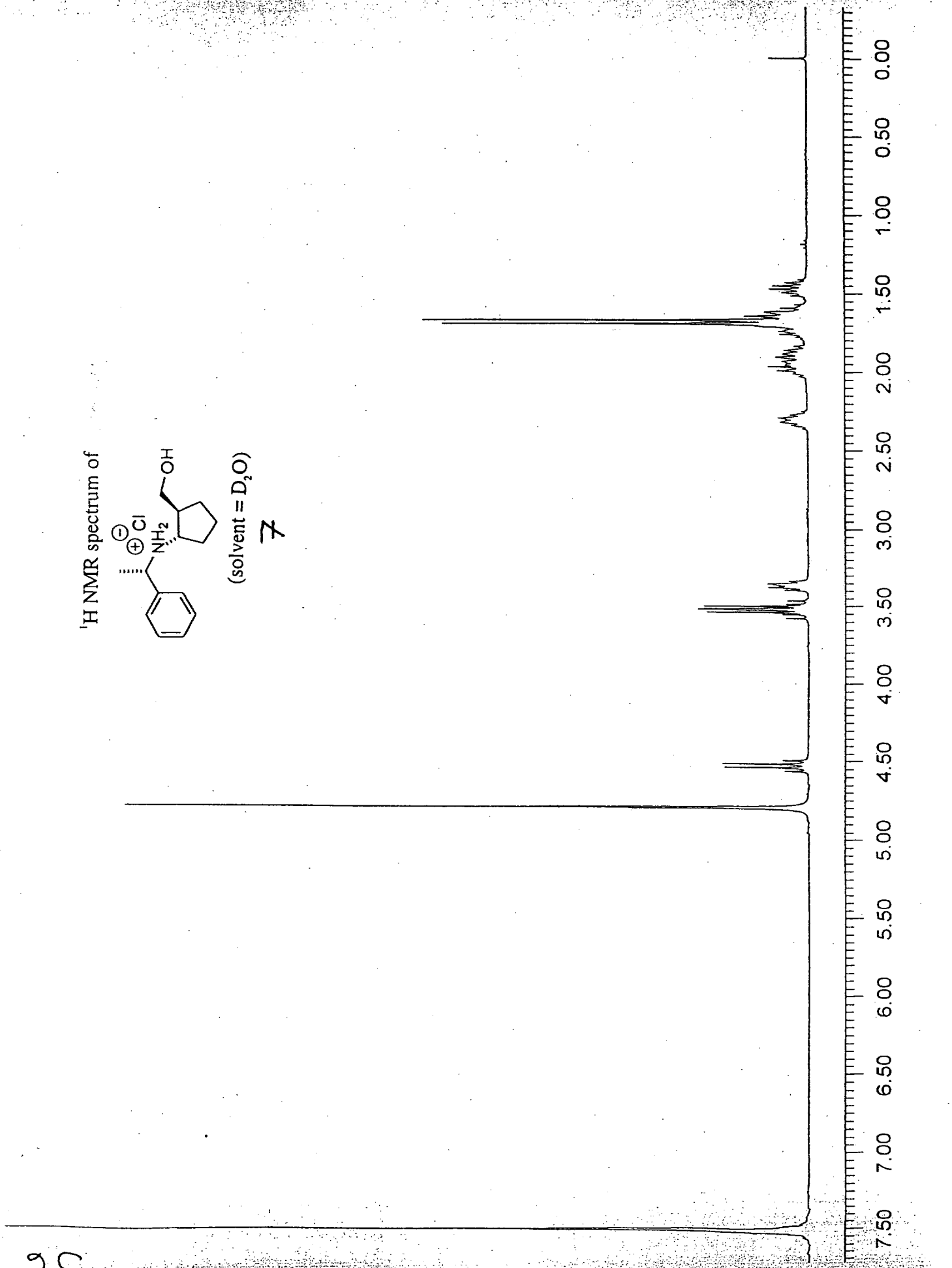
^{13}C NMR spectrum of

(solvent = D_2O)

7

20.098
24.525
28.757
31.692
46.279
58.783
61.355
64.601
128.893
130.858
130.984
137.797

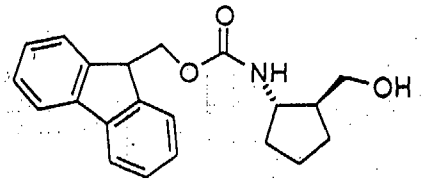
S51


^{1}H NMR spectrum of
OH
NH2
Cl
(solvent = D2O)
7
0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
7.50

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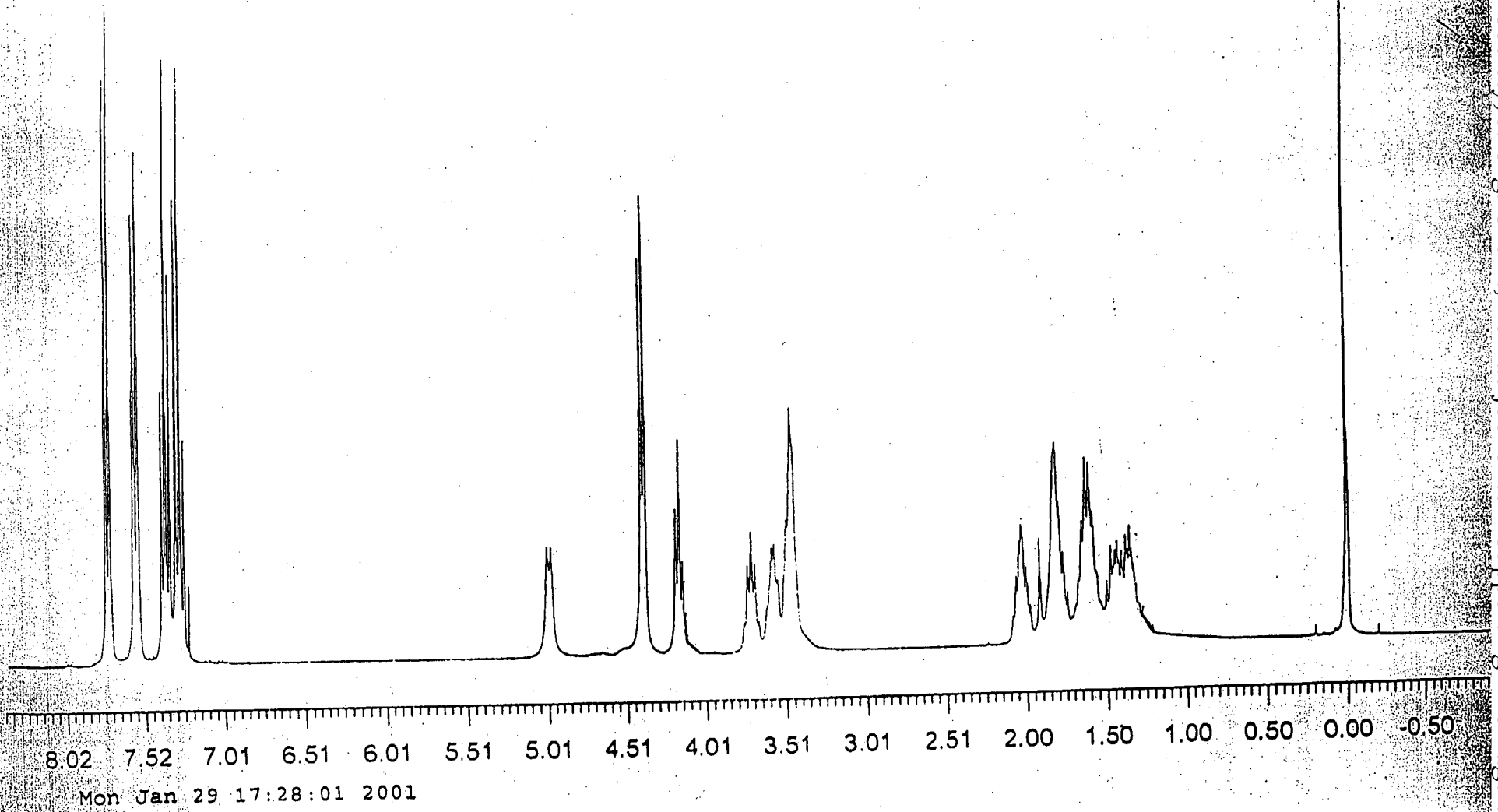
S7

^{1}H NMR spectrum of

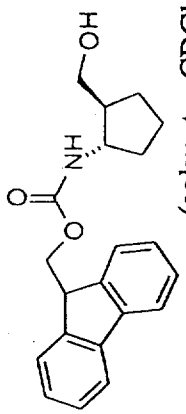


(solvent = $CDCl_3$)

8



^{13}C NMR spectrum of

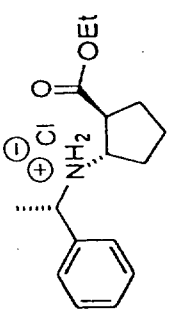


(solvent = $CDCl_3$)

8

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^{13}C NMR spectrum of



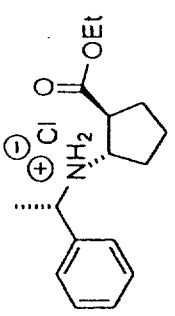
(solvent = CD_3OD)

II

55

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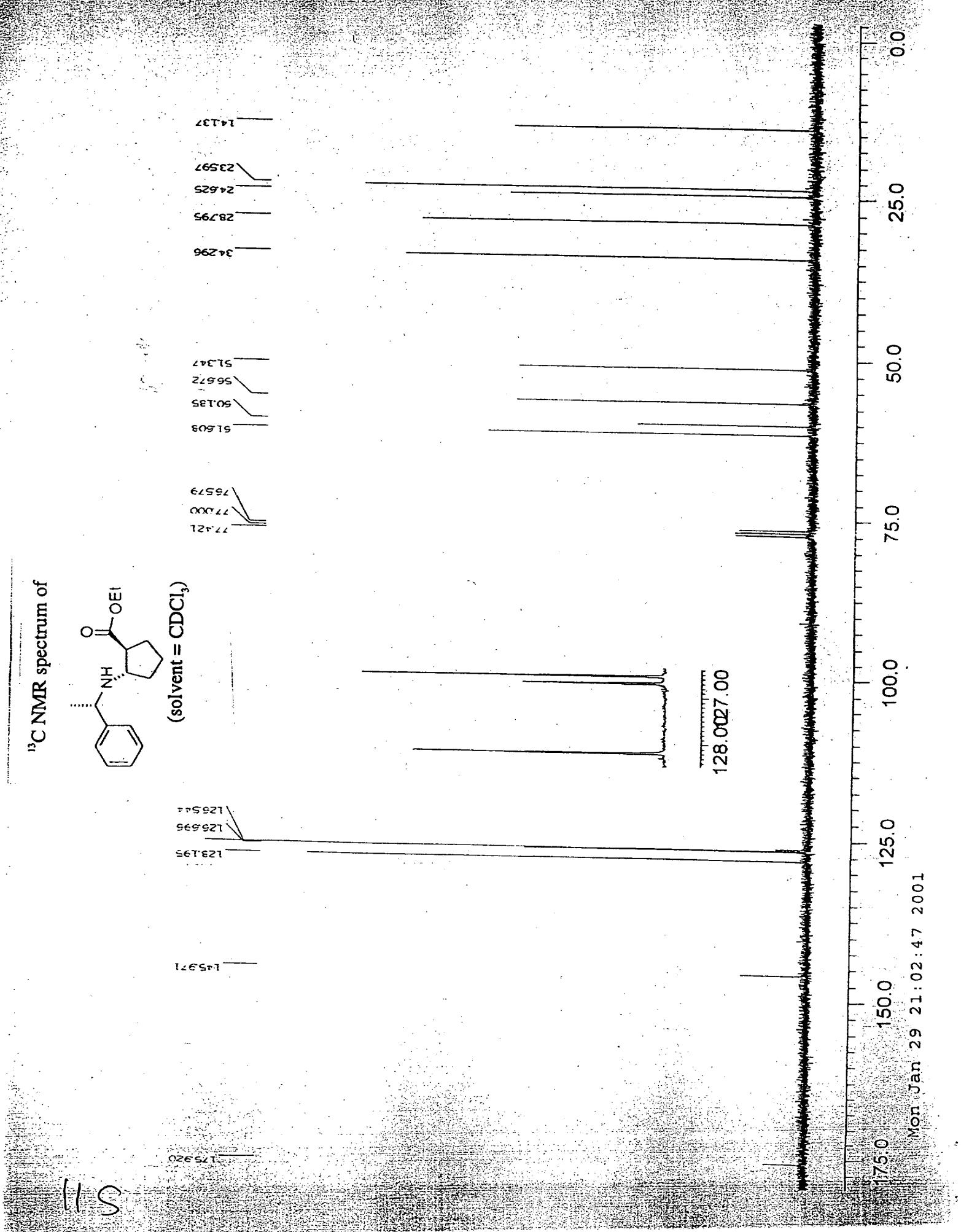
^{1}H NMR spectrum of



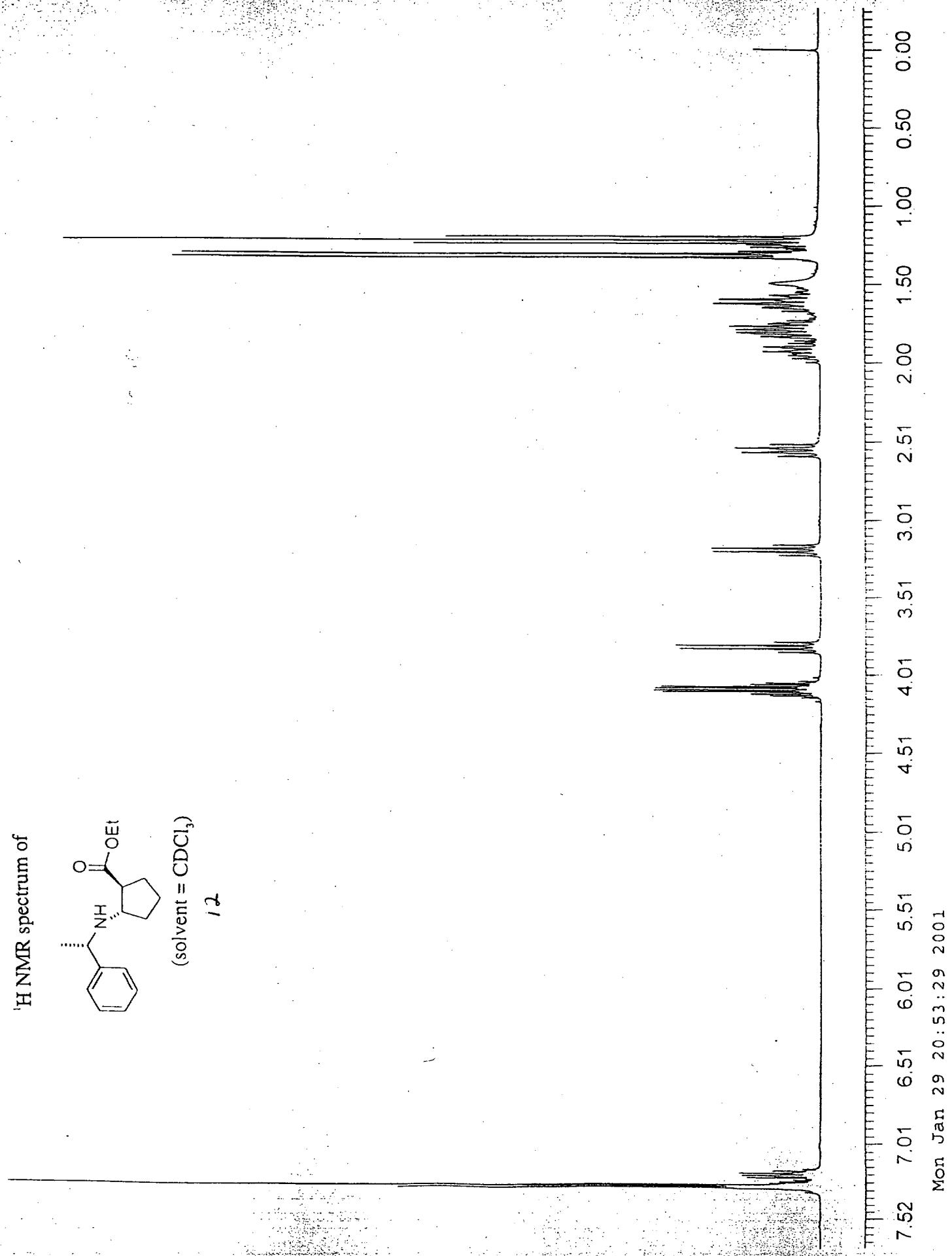
(solvent = CD_3OD)

11

S10

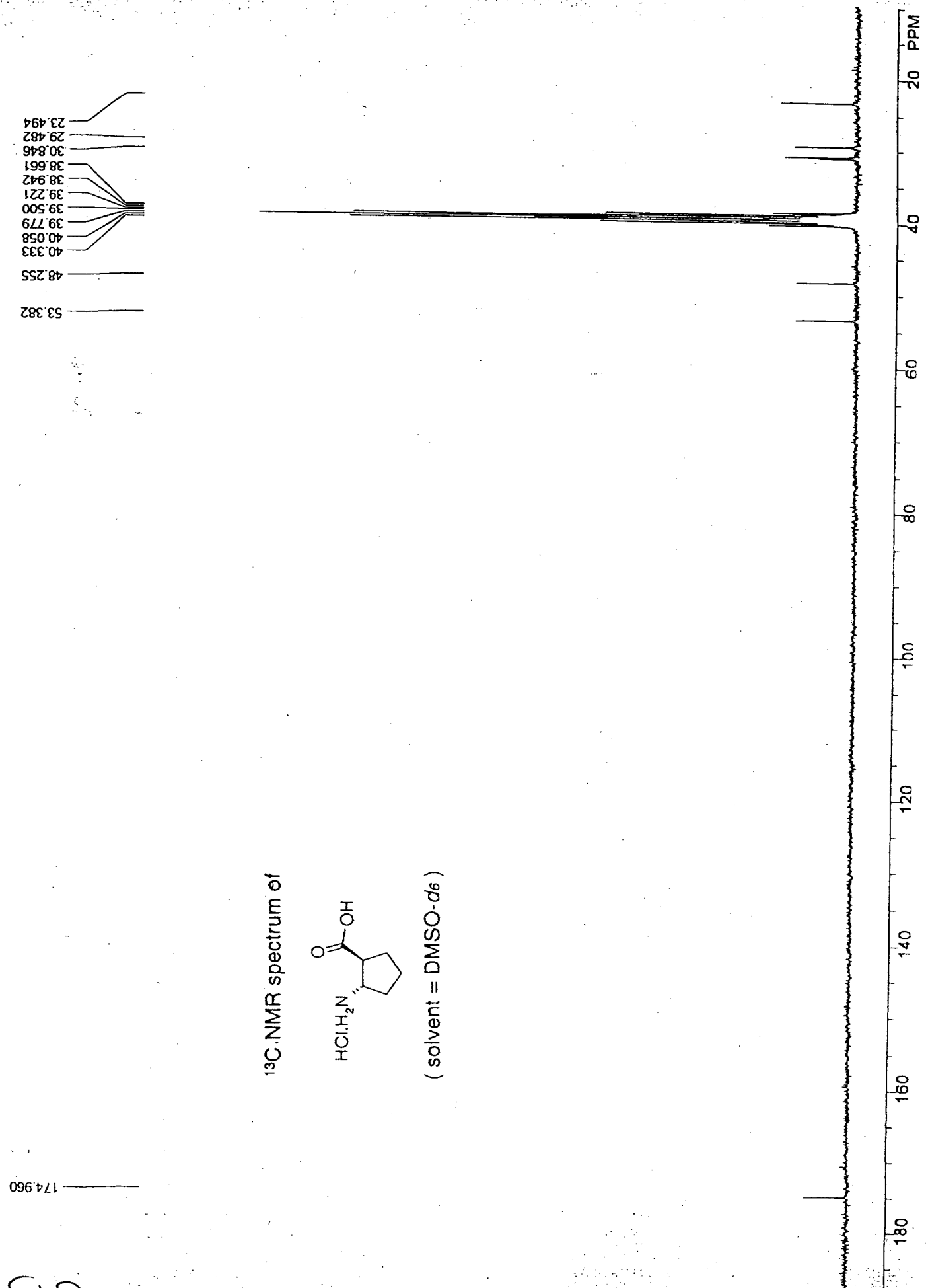

^{13}C NMR spectrum of
(solvent = $CDCl_3$)
OEt
O
NH
14137
23597
24625
28795
34296
51347
56572
60135
61609
76579
77.000
77.421
128.00
127.00
129.195
129.696
129.544
145.971
175.920
0.0
25.0
50.0
75.0
100.0
125.0
150.0
175.0
Mon Jan 29 21:02:47 2001

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S12

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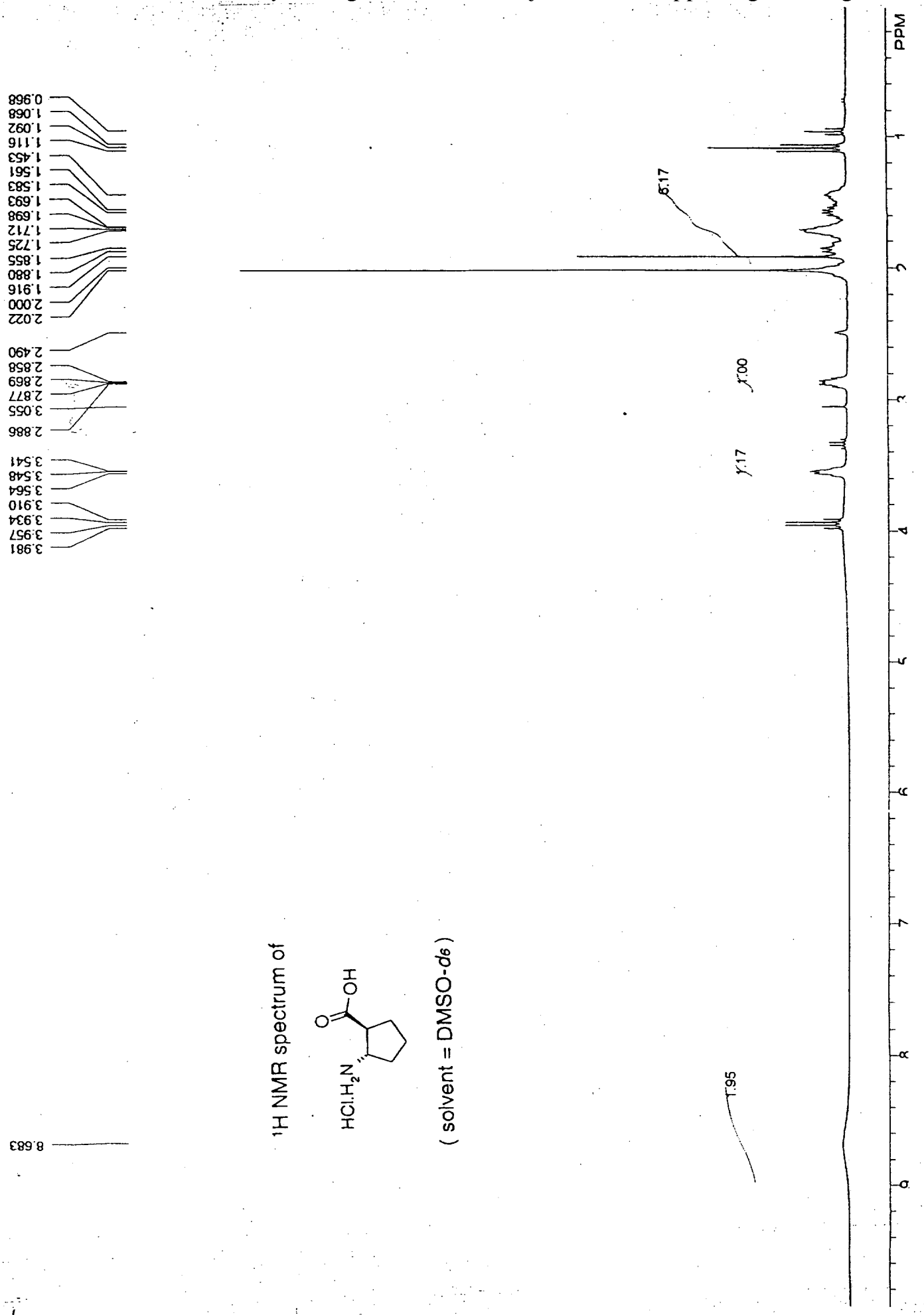


^{13}C NMR spectrum of

(solvent = DMSO-d_6)

S13

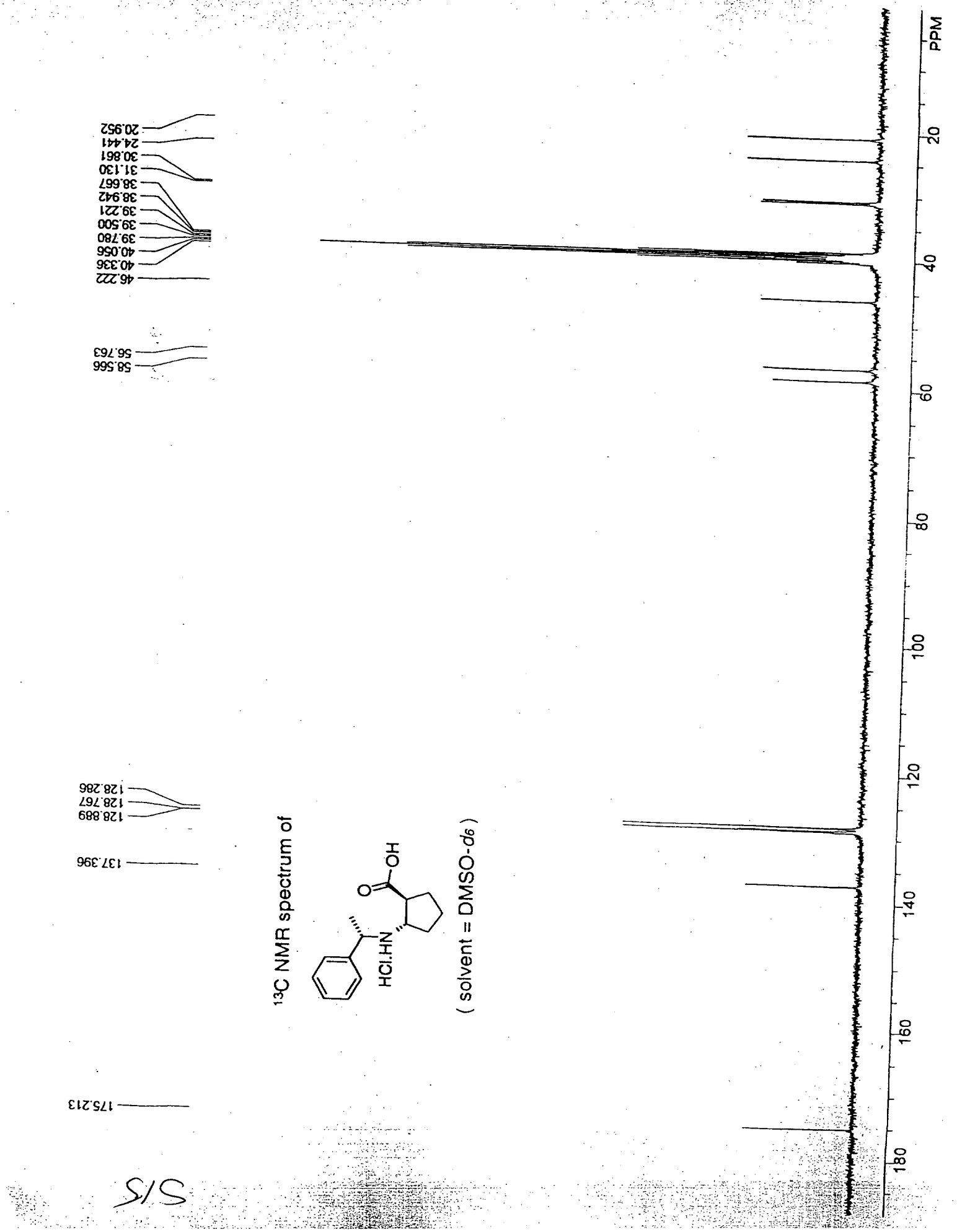
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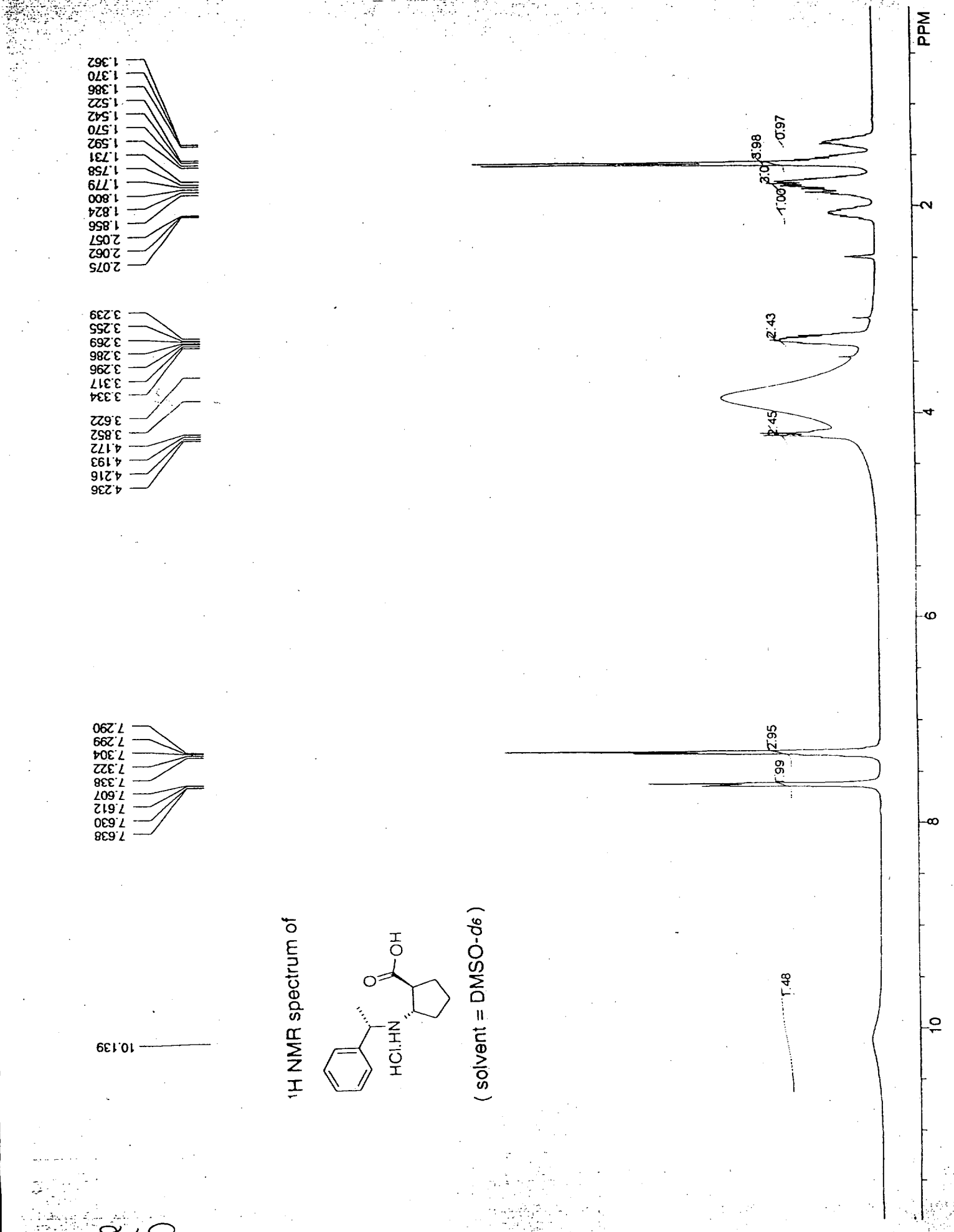


^{1}H NMR spectrum of

(solvent = DMSO-*d6*)

h15


PPM
20
40
60
80
100
120
140
160
180
20.952
24.441
30.861
31.130
38.667
38.942
39.221
39.500
39.780
40.056
40.336
46.222
56.763
58.566
128.286
128.767
128.889
137.396
175.213
^{13}C NMR spectrum of
HCl.HN
OH
O
(solvent = DMSO-d_6)



¹H NMR spectrum of

S16