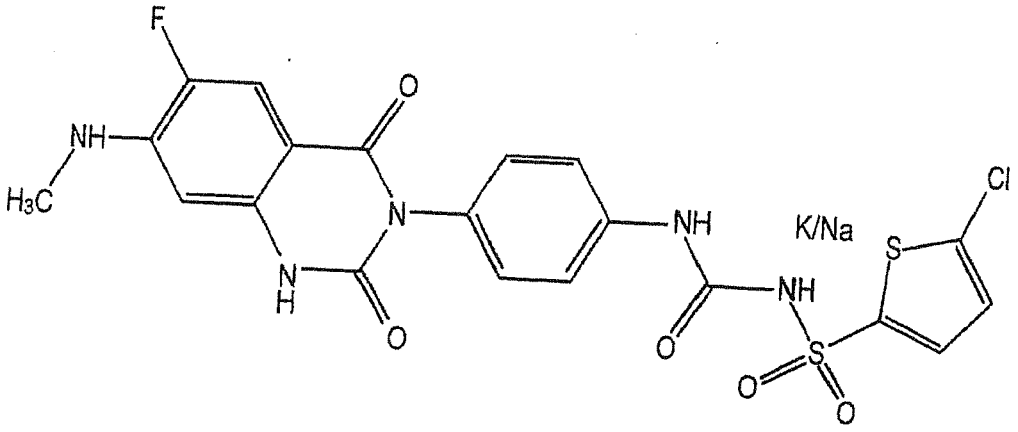


Fig. 1

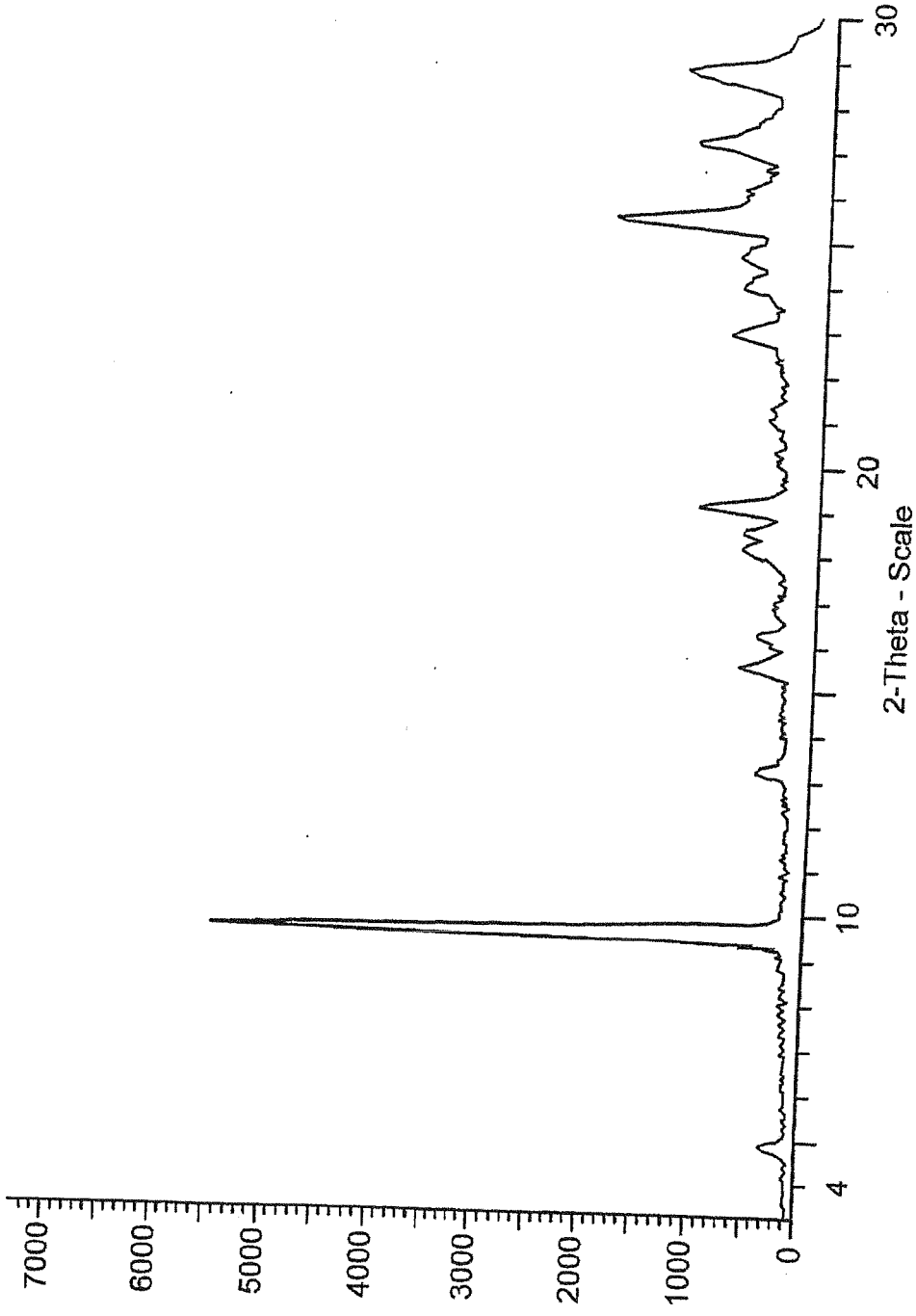


Fig. 2a

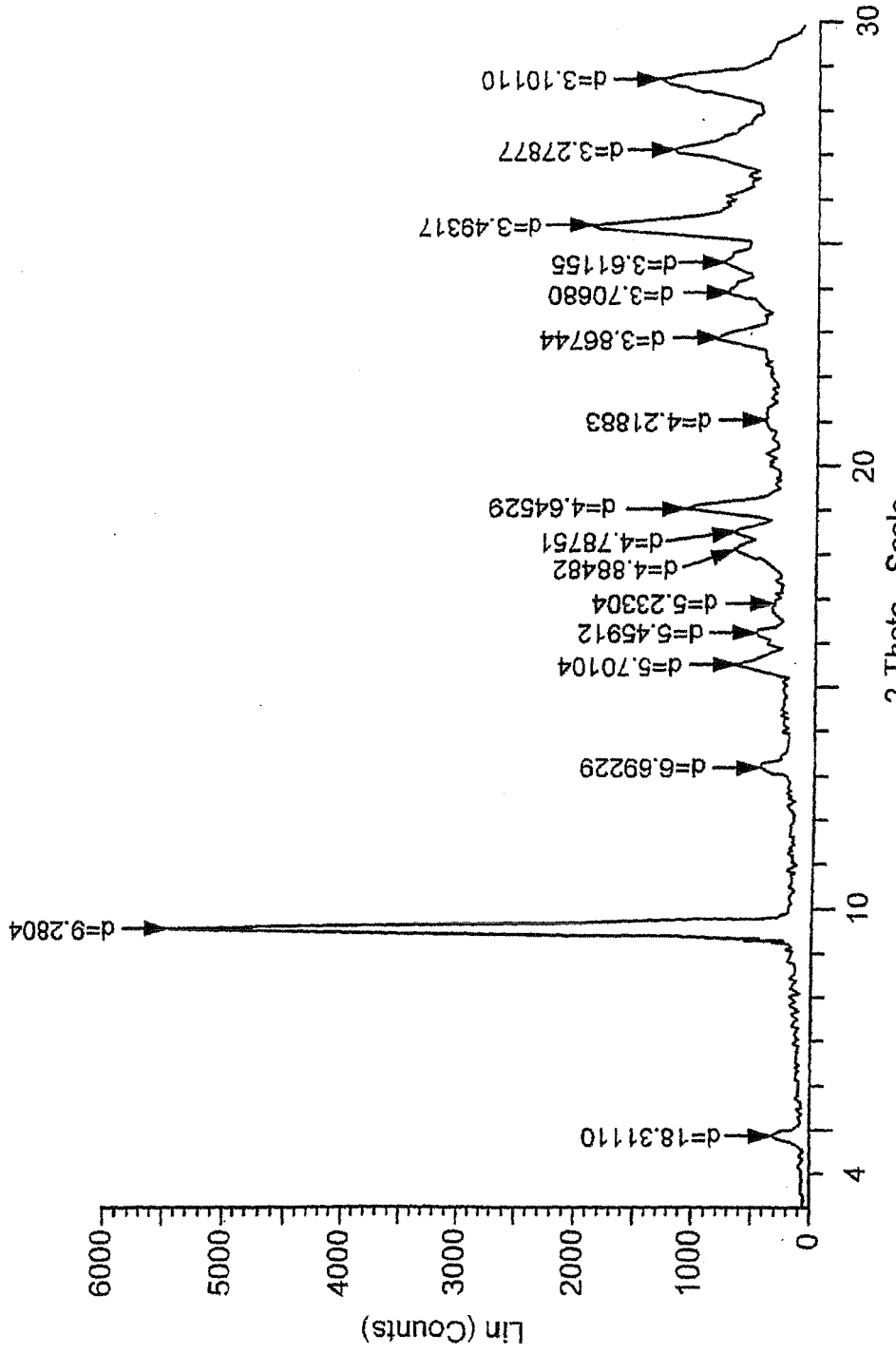

Lin (Counts)
6000
5000
4000
3000
2000
1000
0
4
10
20
30
2-Theta - Scale
d=18.31110
d=9.2804
d=6.69229
d=5.70104
d=5.45912
d=5.23304
d=4.88482
d=4.78751
d=4.64529
d=4.21883
d=3.86744
d=3.70680
d=3.61155
d=3.49317
d=3.27877
d=3.10110

Fig. 2b

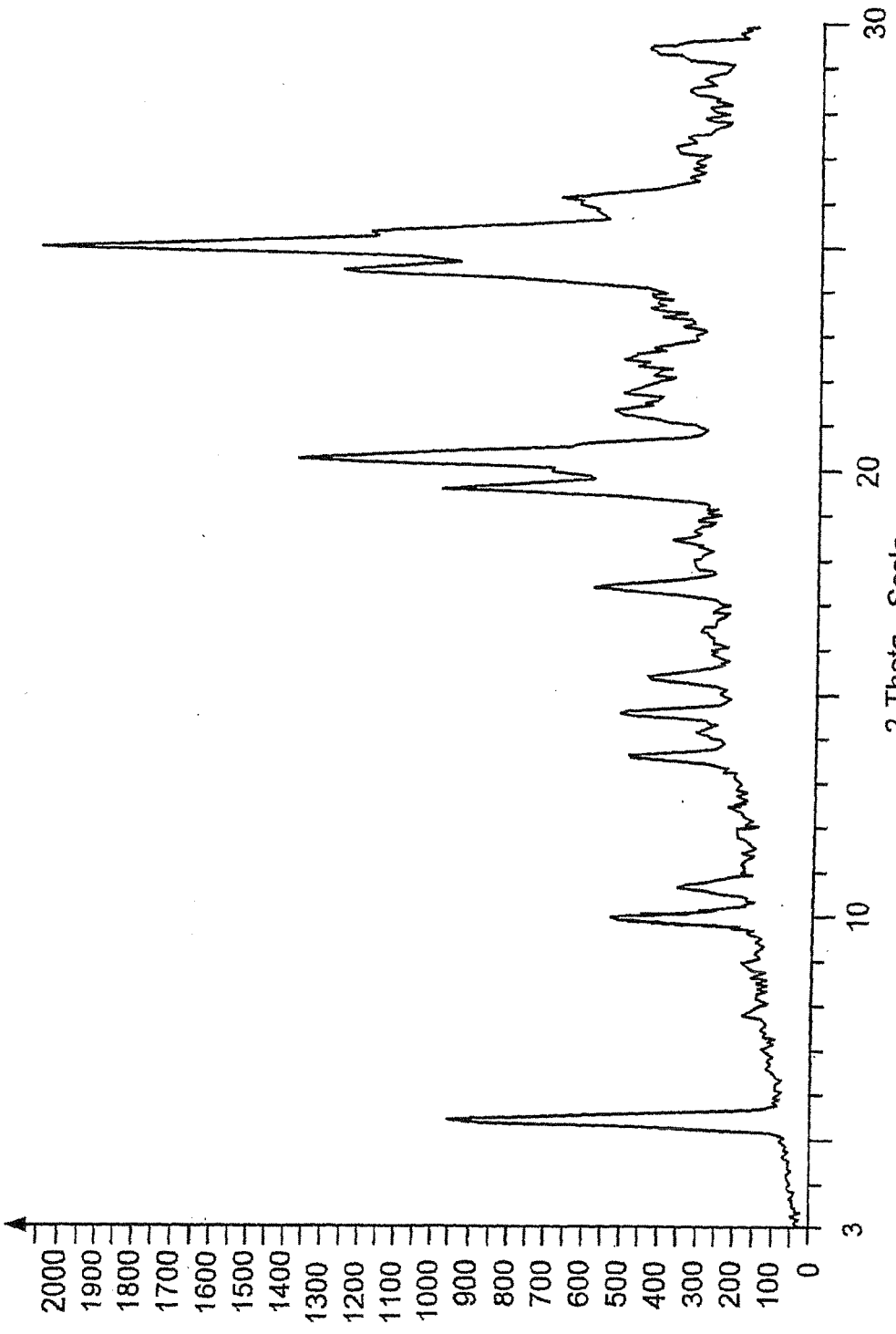

2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
3
10
20
30
2-Theta - Scale

Fig. 3a

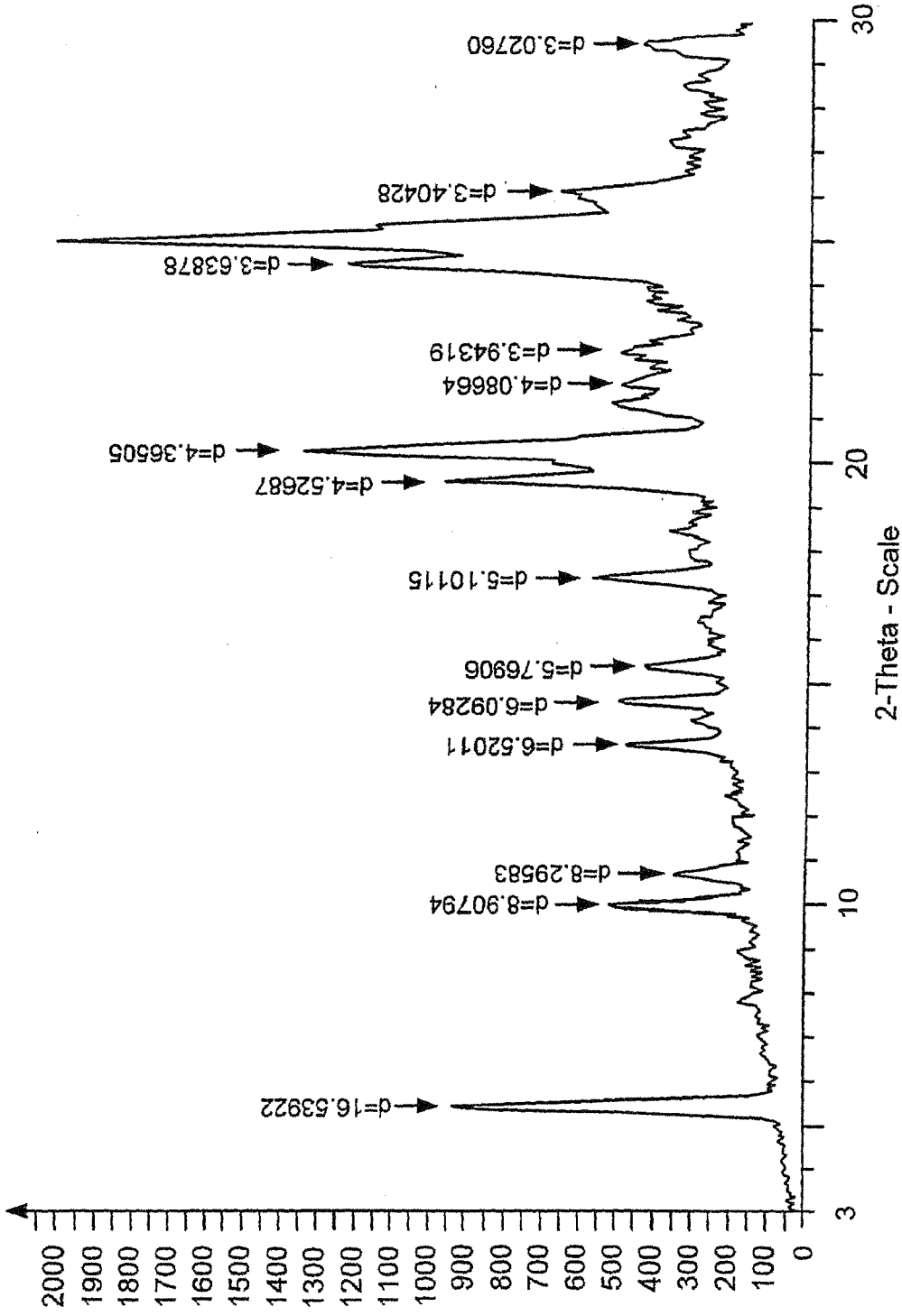

d=16.53922
d=8.90794
d=8.29583
d=6.52011
d=6.09284
d=5.76906
d=5.10115
d=4.52687
d=4.36505
d=4.08664
d=3.94319
d=3.63878
d=3.40428
d=3.02760
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
3
10
20
30
2-Theta - Scale

Fig. 3b

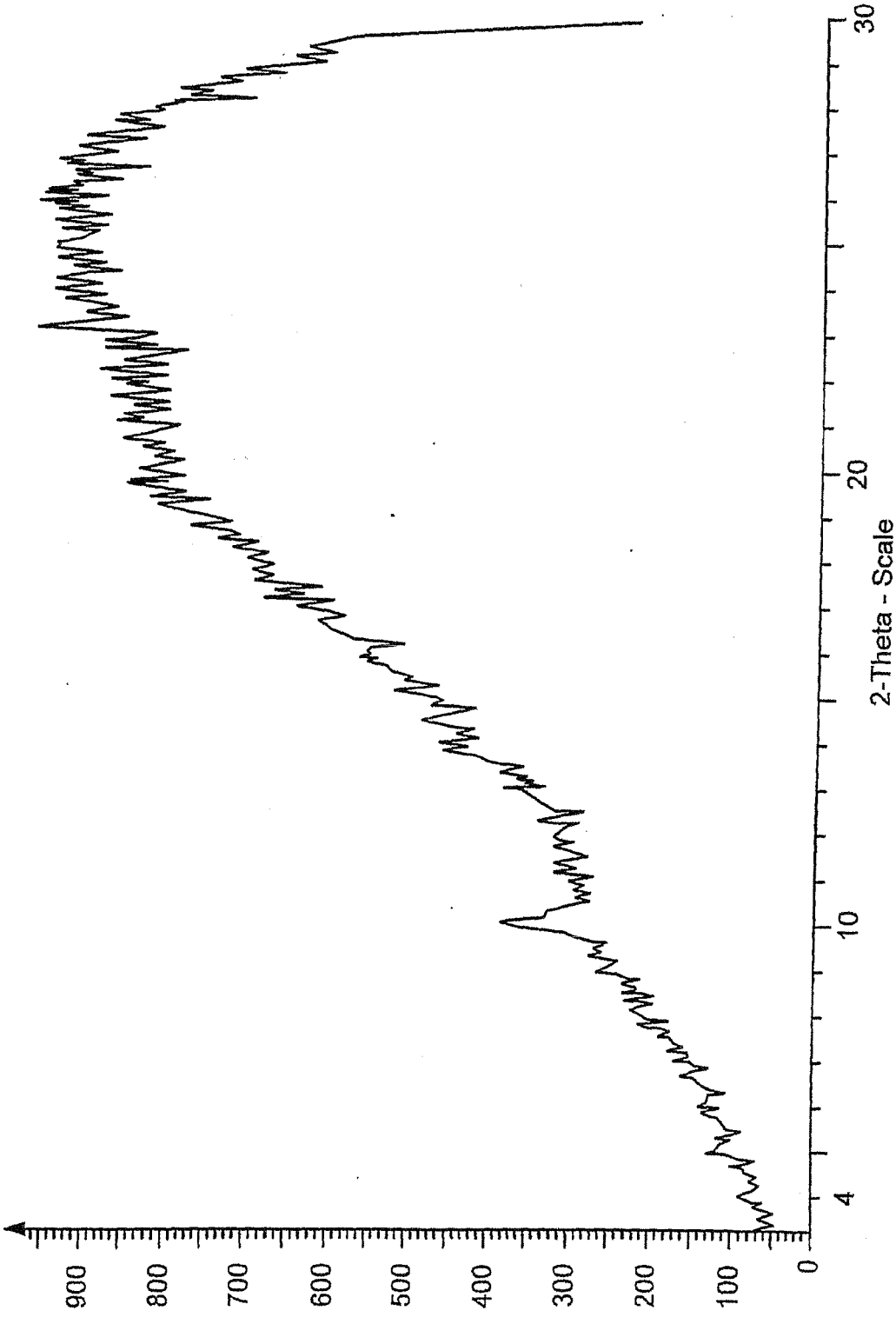


Fig. 4

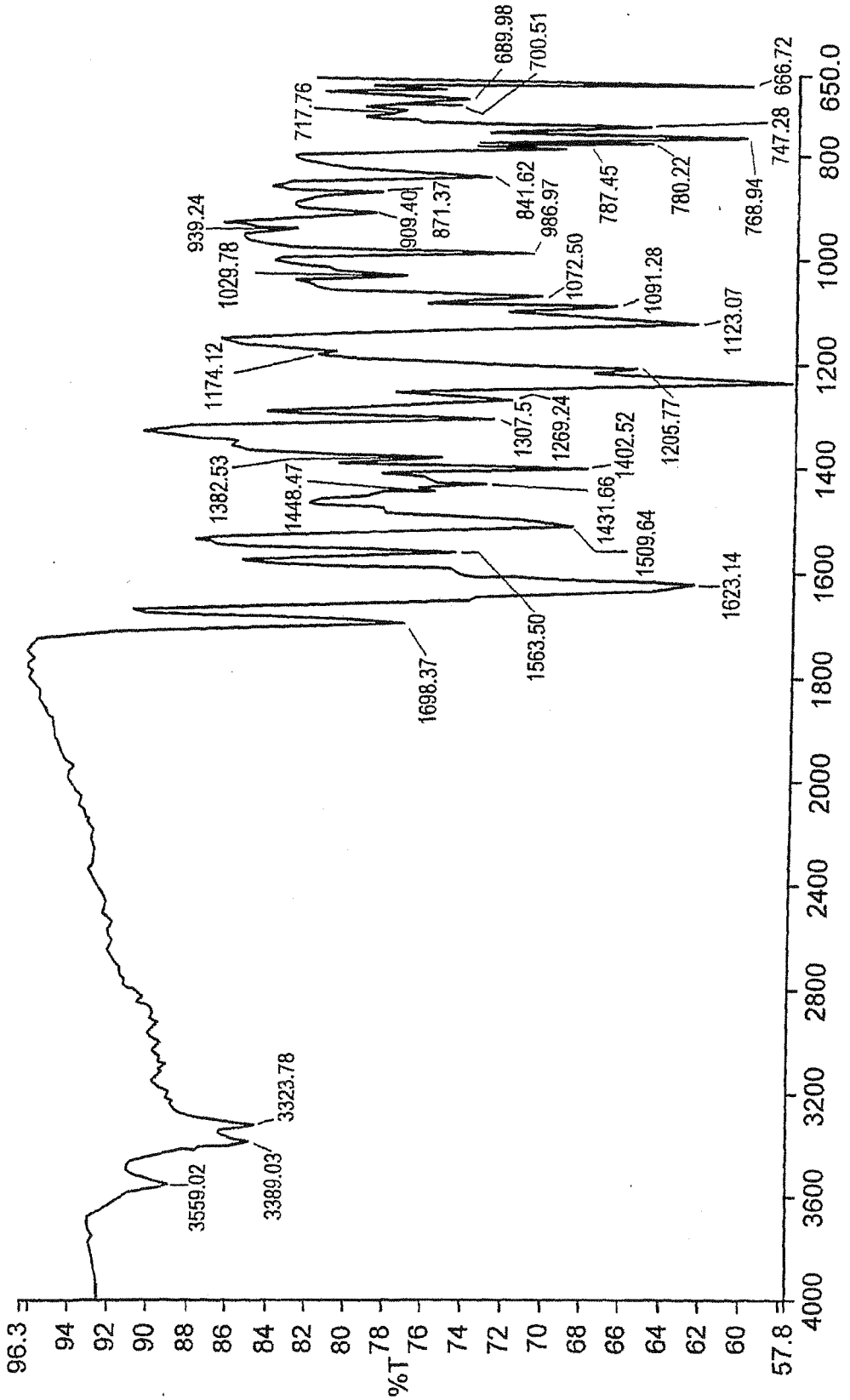

96.3
94
92
90
88
86
84
82
80
78
76
74
72
70
68
66
64
62
60
57.8
%T
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
650.0
cm-1
3559.02
3389.03
3323.78
1698.37
1623.14
1563.50
1509.64
1448.47
1431.66
1402.52
1382.53
1307.5
1269.24
1205.77
1174.12
1123.07
1091.28
1072.50
1029.78
986.97
939.24
909.40
871.37
841.62
787.45
780.22
768.94
747.28
717.76
700.51
689.98
666.72

Fig. 5

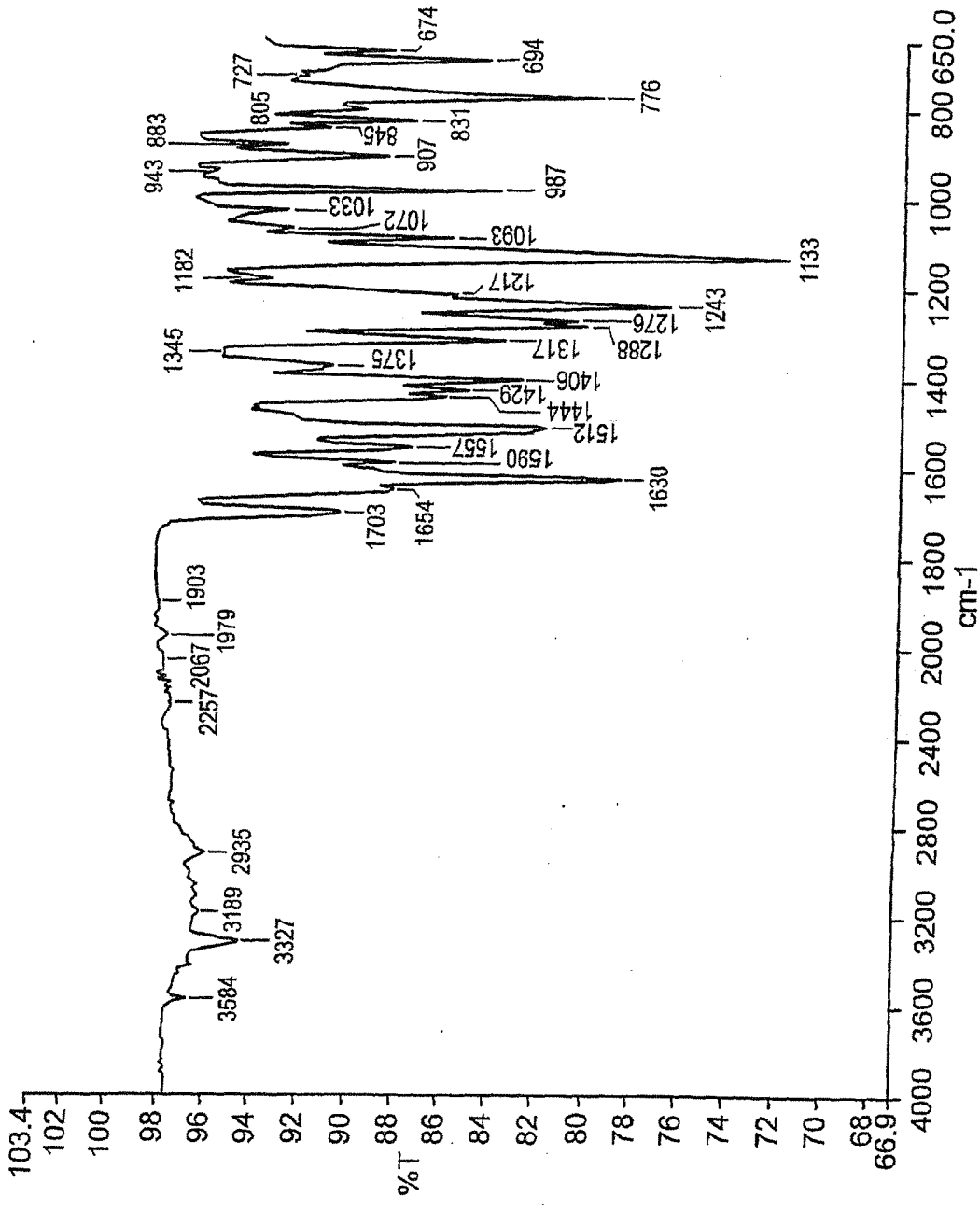

103.4
102
100
98
96
94
92
90
88
86
84
82
80
78
76
74
72
70
68
66.9
%T
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
650.0
cm-1
3584
3327
3189
2935
2257
2067
1979
1903
1703
1654
1630
1590
1557
1512
1444
1429
1406
1375
1345
1317
1288
1276
1243
1217
1182
1133
1093
1072
1033
987
943
907
883
845
831
805
776
727
694
674

Fig. 6

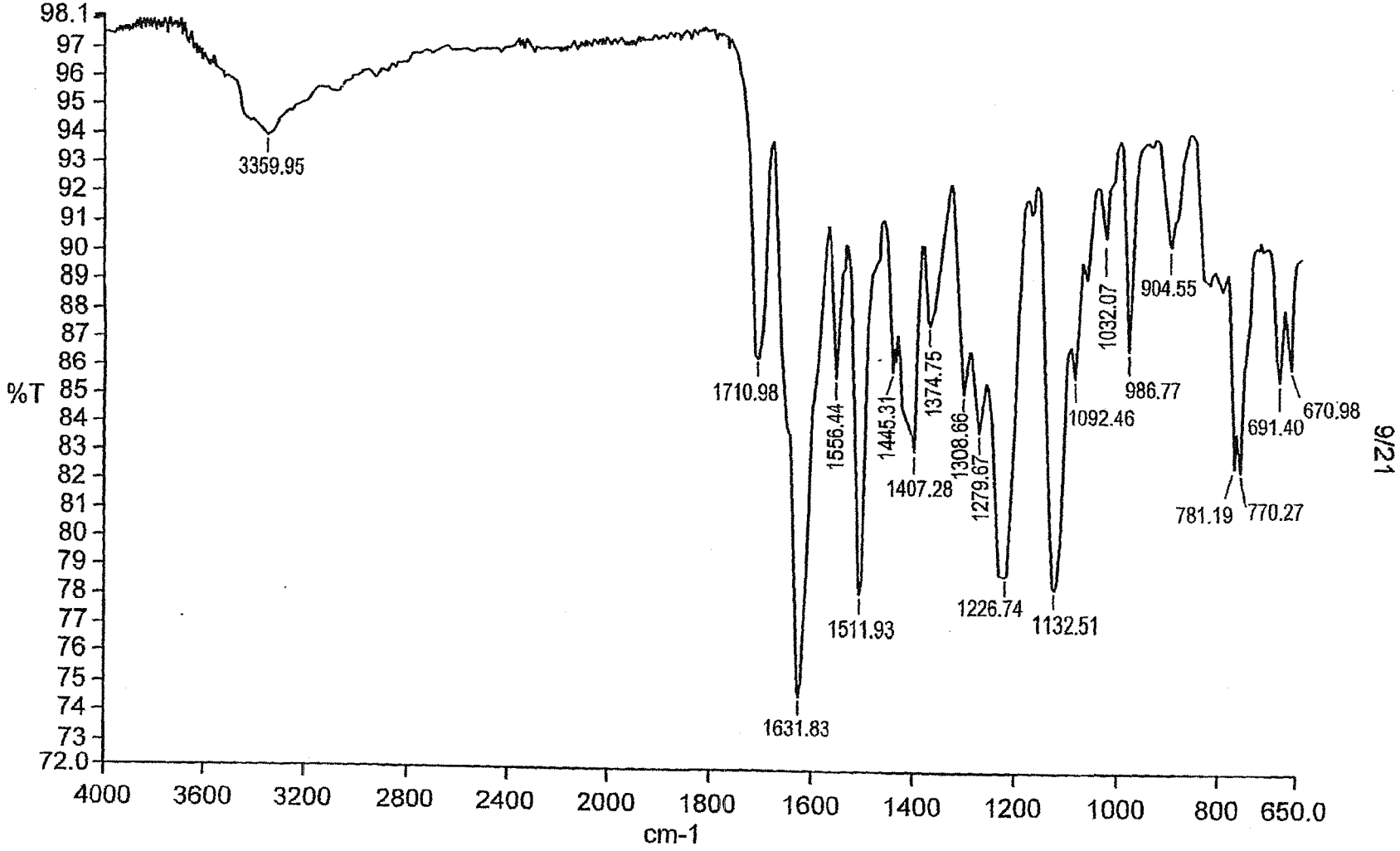

98.1
97
96
95
94
93
92
91
90
89
88
87
86
%T 85
84
83
82
81
80
79
78
77
76
75
74
73
72.0
3359.95
1710.98
1631.83
1556.44
1511.93
1445.31
1407.28
1374.75
1308.66
1279.67
1226.74
1132.51
1092.46
1032.07
986.77
904.55
781.19
770.27
691.40
670.98
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
650.0
cm-1
9/21

Fig. 7

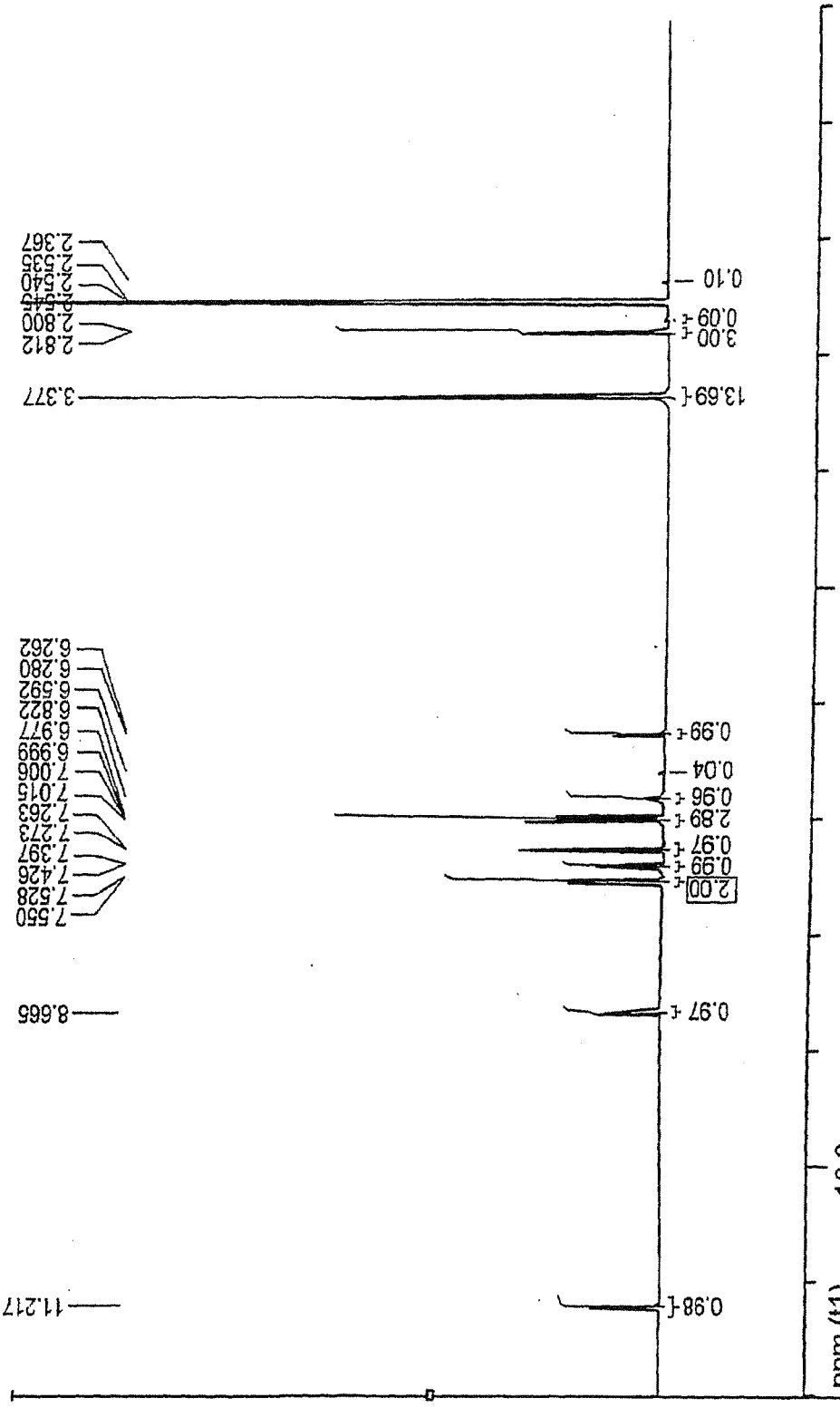

11.217
8.665
7.550
7.528
7.426
7.397
7.273
7.263
7.015
7.006
6.999
6.977
6.822
6.592
6.280
6.262
3.377
2.812
2.800
2.545
2.540
2.535
2.367
0.98
0.97
2.00
0.99
0.97
2.89
0.96
0.04
0.99
13.69
3.00
0.09
0.10
10.0
5.0
ppm (t1)

Fig. 8

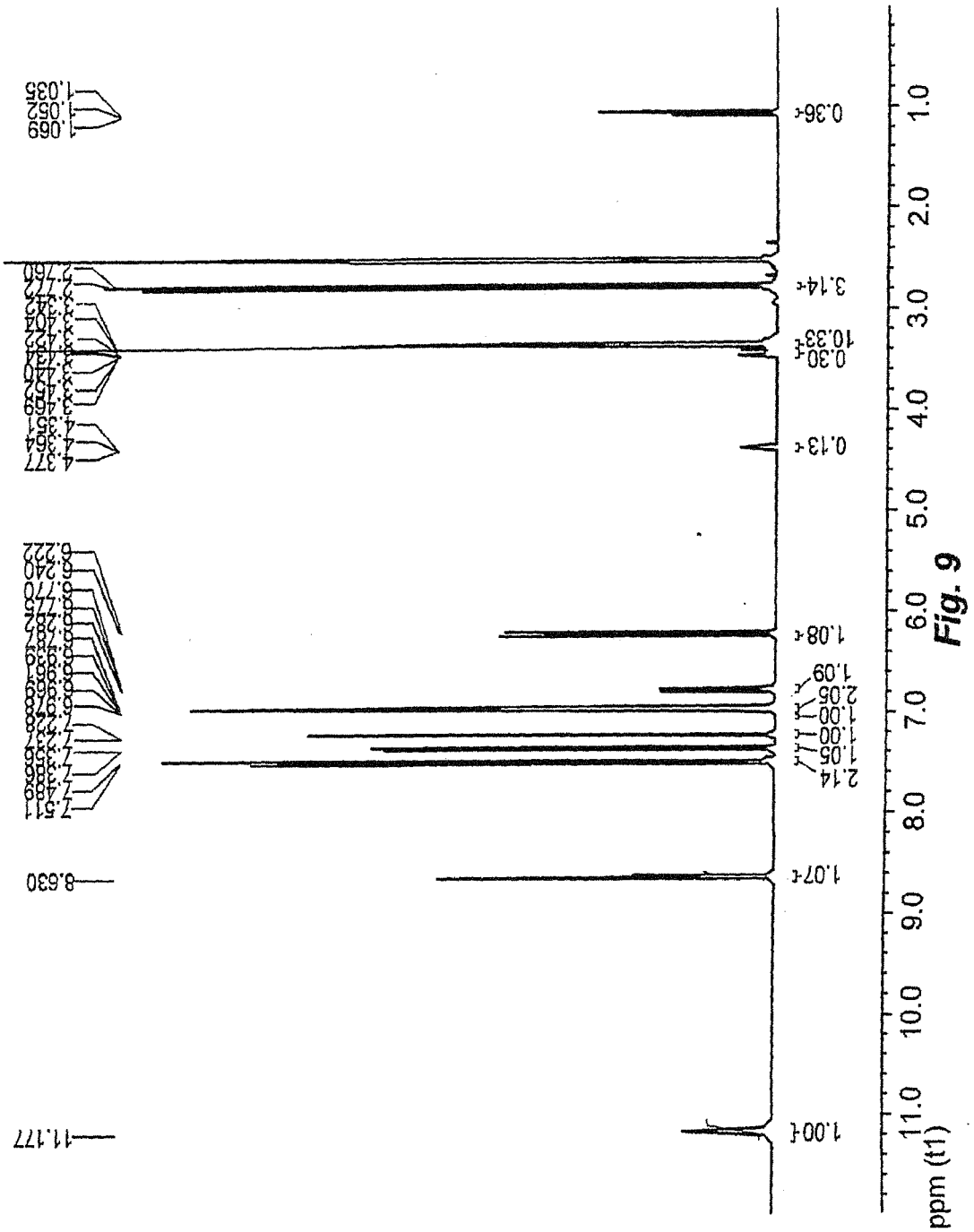

11.177
8.630
7.511
7.489
7.386
7.359
7.334
7.228
6.978
6.969
6.961
6.939
6.882
6.770
6.240
6.222
4.377
4.364
4.351
3.469
3.457
3.434
3.420
3.404
3.342
3.260
2.760
1.069
1.052
1.035
1.00
1.07
2.14
1.05
1.00
1.00
2.05
1.09
1.08
0.13
0.30
10.33
3.14
0.36
ppm (t1)

Fig. 9

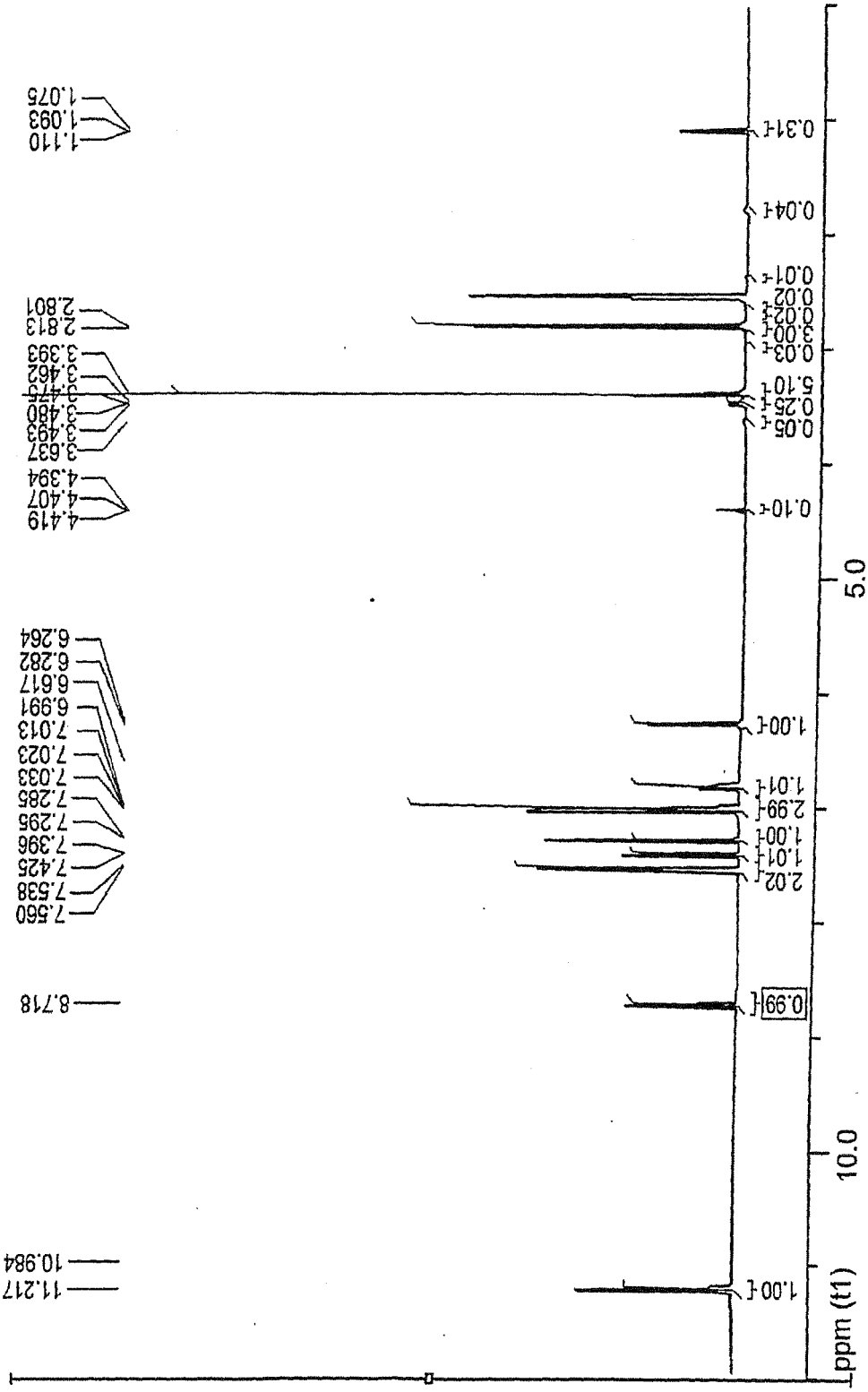

11.217
10.984
8.718
7.560
7.538
7.425
7.396
7.295
7.285
7.033
7.023
7.013
6.991
6.617
6.282
6.264
4.419
4.407
4.394
3.637
3.493
3.480
3.475
3.462
3.393
2.813
2.801
1.110
1.093
1.075
1.00
0.99
2.99
1.00
1.01
2.02
1.00
1.01
2.99
1.00
0.10
0.05
0.25
5.10
0.03
3.00
0.03
0.02
0.01
0.04
0.31
10.0
5.0
ppm (f1)

Fig. 10

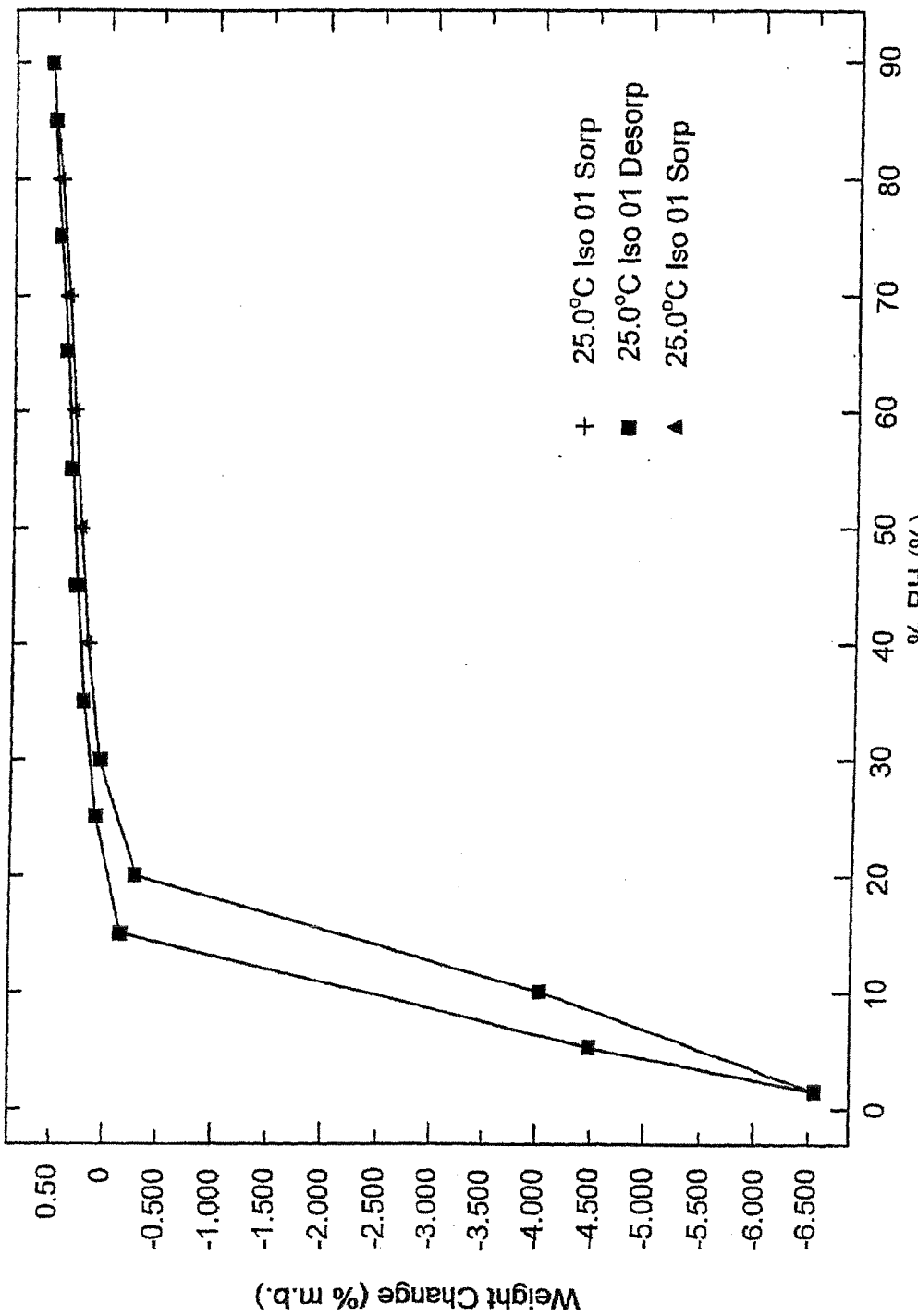

Weight Change (% m.b.)
0.50
0
-0.500
-1.000
-1.500
-2.000
-2.500
-3.000
-3.500
-4.000
-4.500
-5.000
-5.500
-6.000
-6.500
0
10
20
30
40
50
60
70
80
90
%-RH (%)
25.0°C Iso 01 Sorp
25.0°C Iso 01 Desorp
25.0°C Iso 01 Sorp

Fig. 11

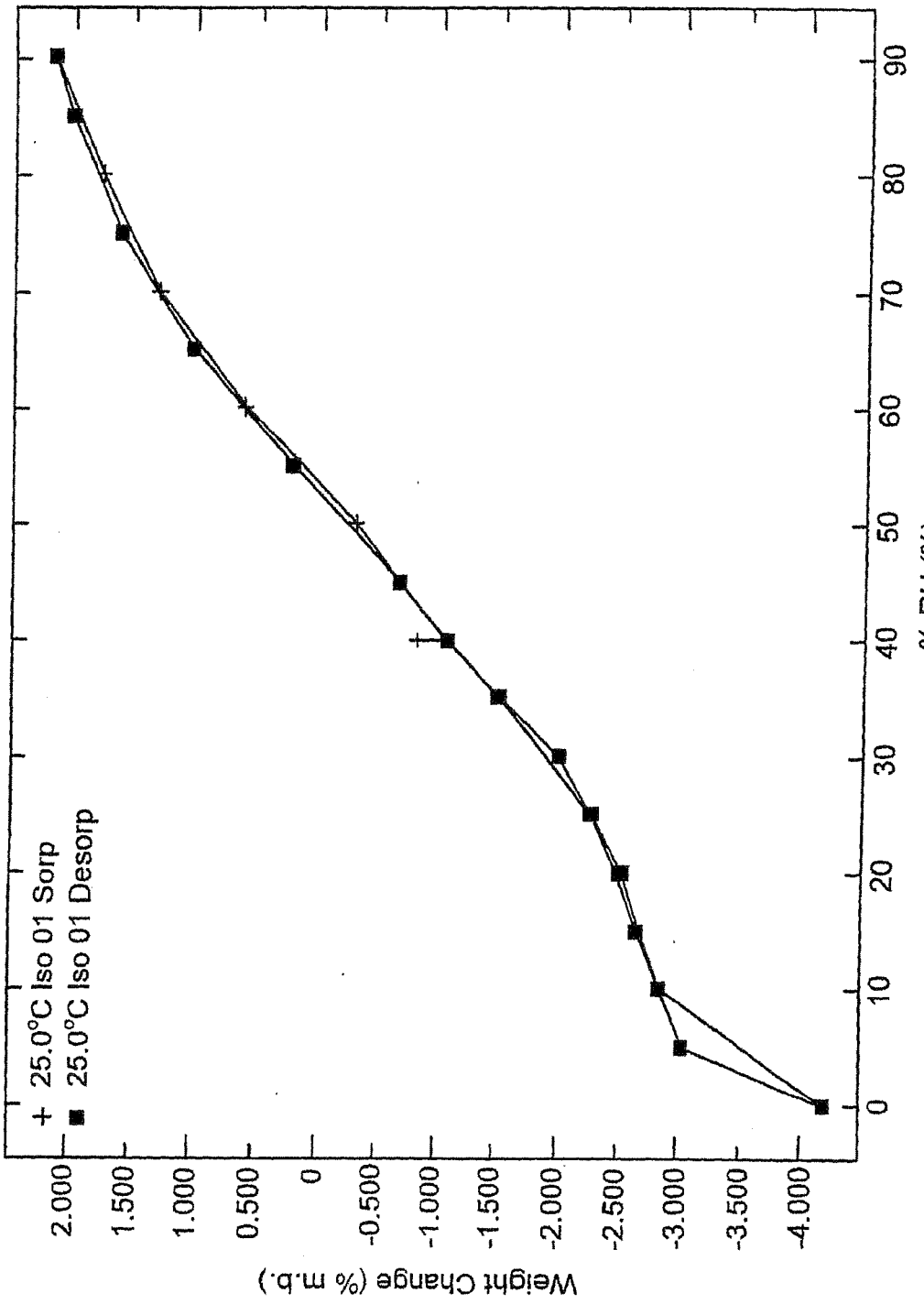

+ 25.0°C Iso 01 Sorp
■ 25.0°C Iso 01 Desorp
Weight Change (% m.b.)
2.000
1.500
1.000
0.500
0
-0.500
-1.000
-1.500
-2.000
-2.500
-3.000
-3.500
-4.000
0
10
20
30
40
50
60
70
80
90
%-RH (%)

Fig. 12a

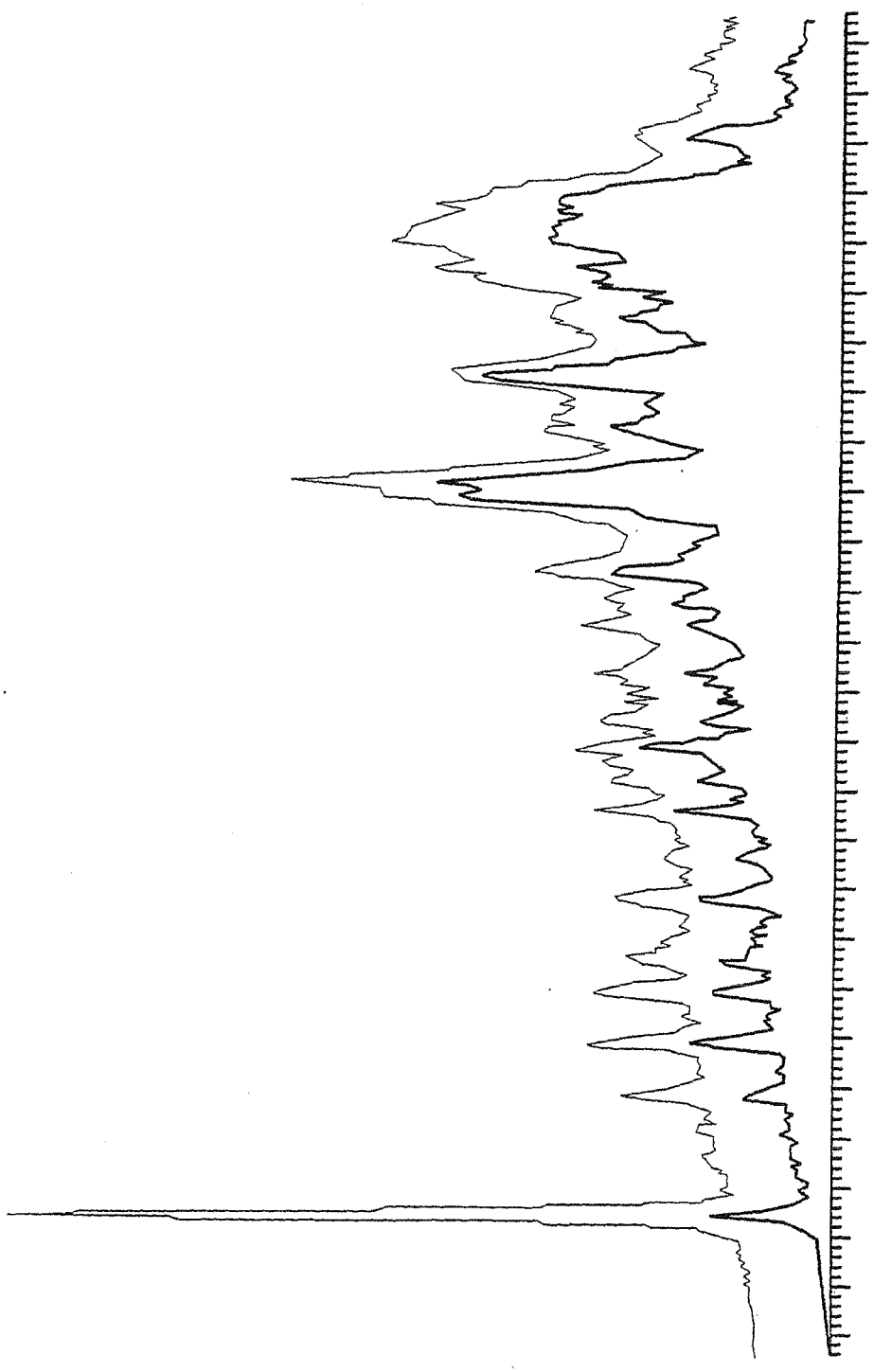


Fig. 12b

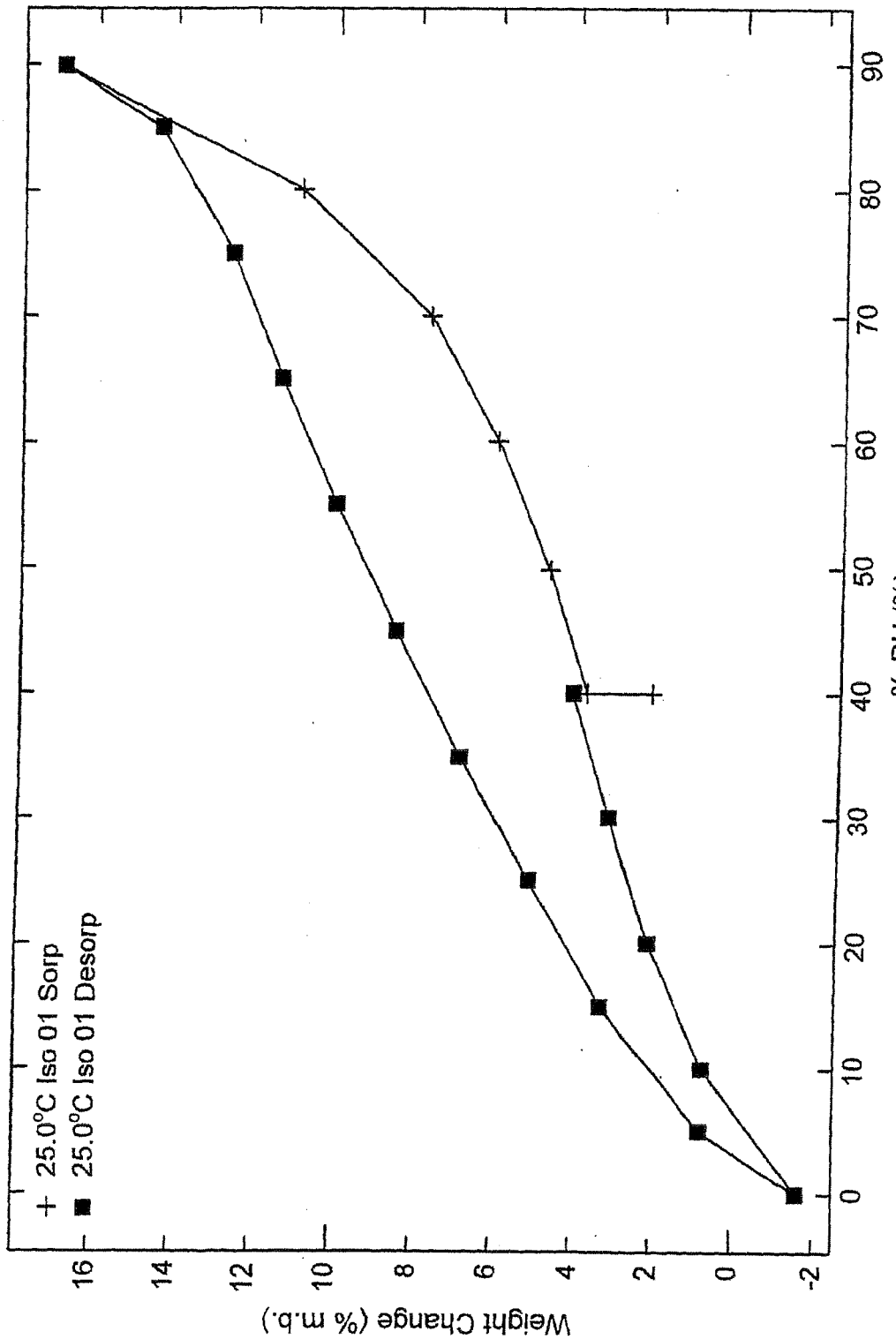

25.0°C Iso 01 Sorp
25.0°C Iso 01 Desorp
Weight Change (% m.b.)
%-RH (%)
16
14
12
10
8
6
4
2
0
-2
0
10
20
30
40
50
60
70
80
90

Fig. 13

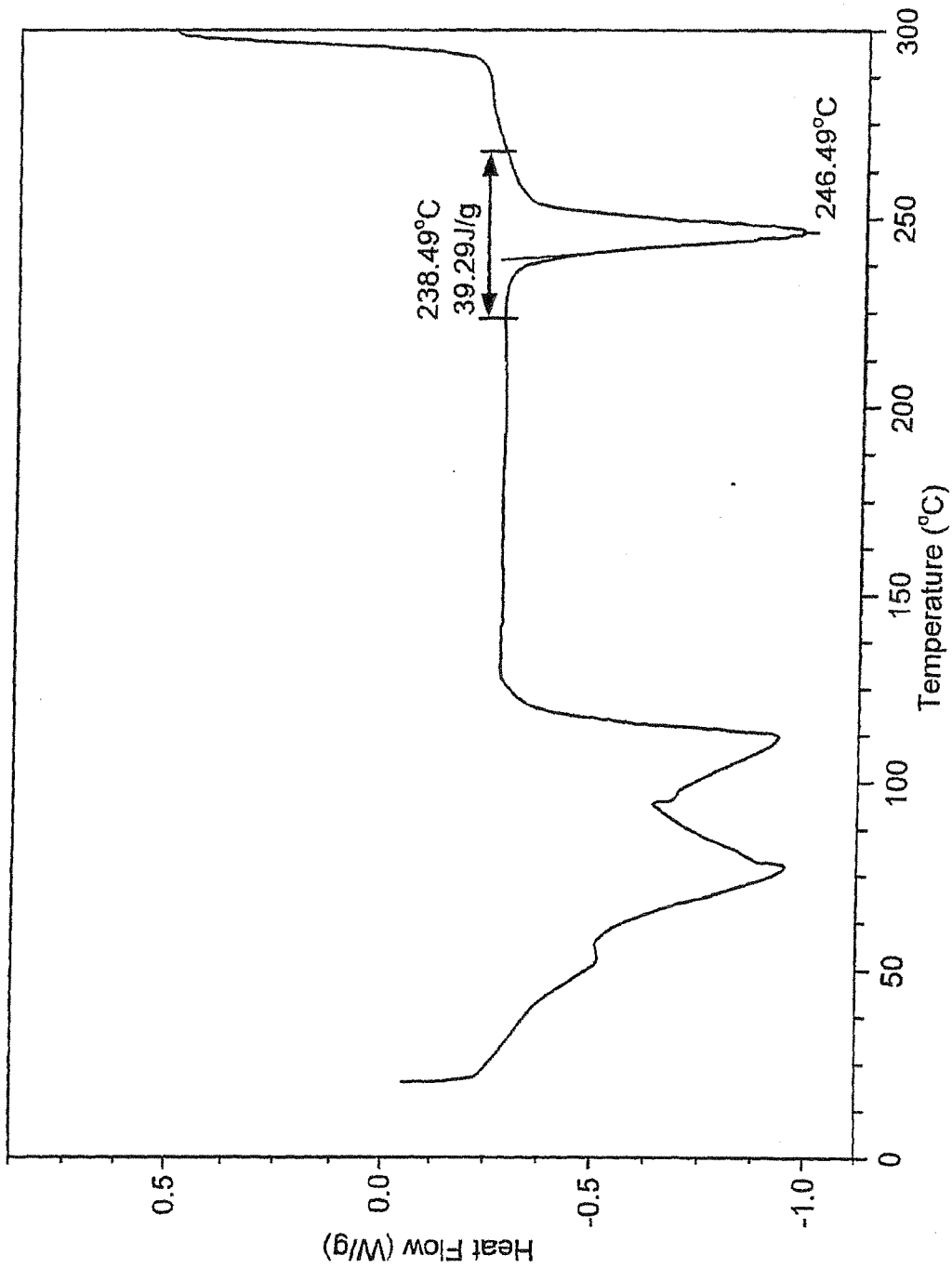

Heat Flow (W/g)
0.5
0.0
-0.5
-1.0
0
50
100
150
200
250
300
Temperature (°C)
238.49°C
39.29J/g
246.49°C

Fig. 14

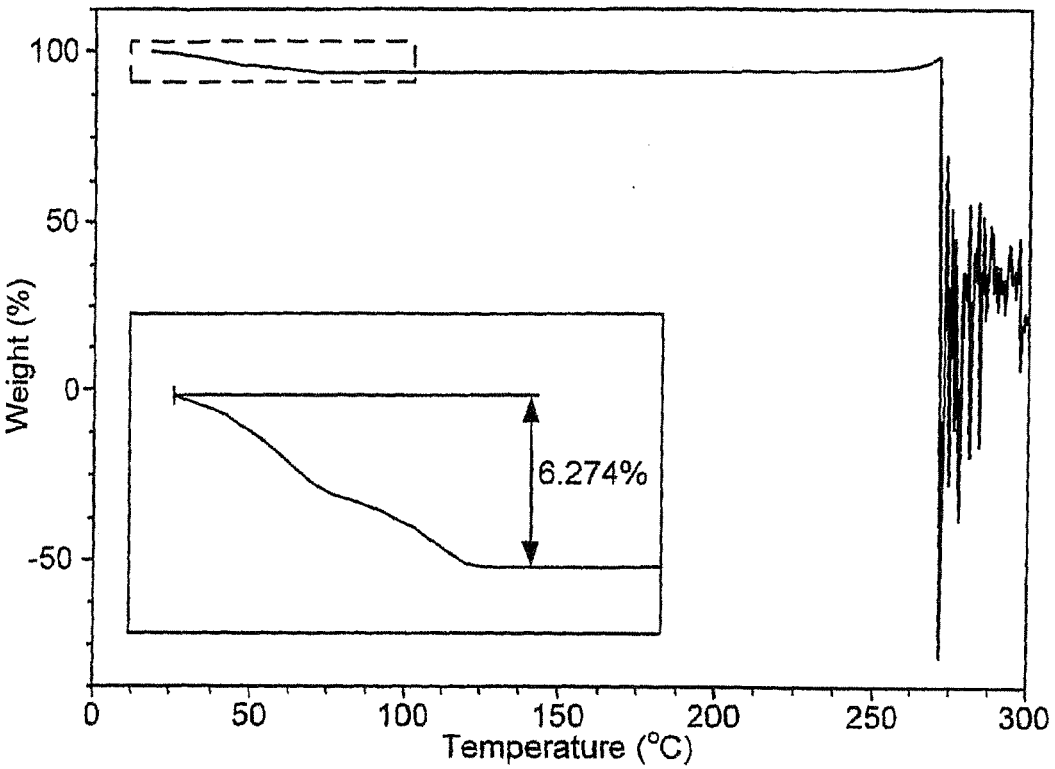

100
50
0
-50
Weight (%)
6.274%
0
50
100
150
200
250
300
Temperature (°C)

Fig. 15

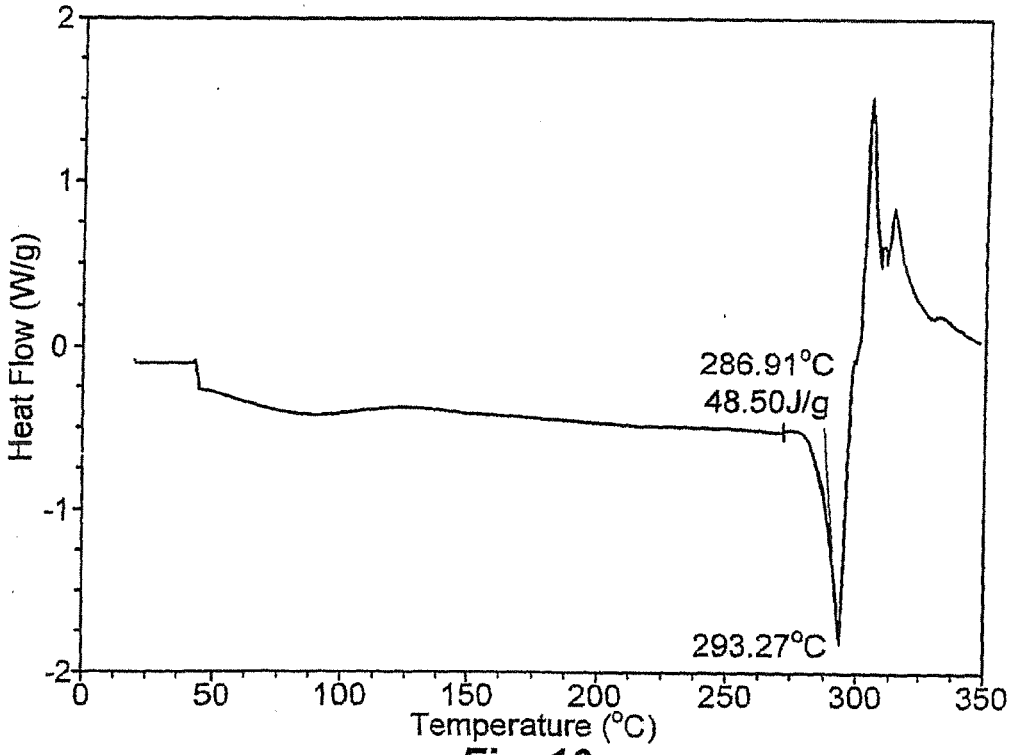

2
1
0
-1
-2
Heat Flow (W/g)
286.91°C
48.50J/g
293.27°C
0
50
100
150
200
250
300
350
Temperature (°C)

Fig. 16

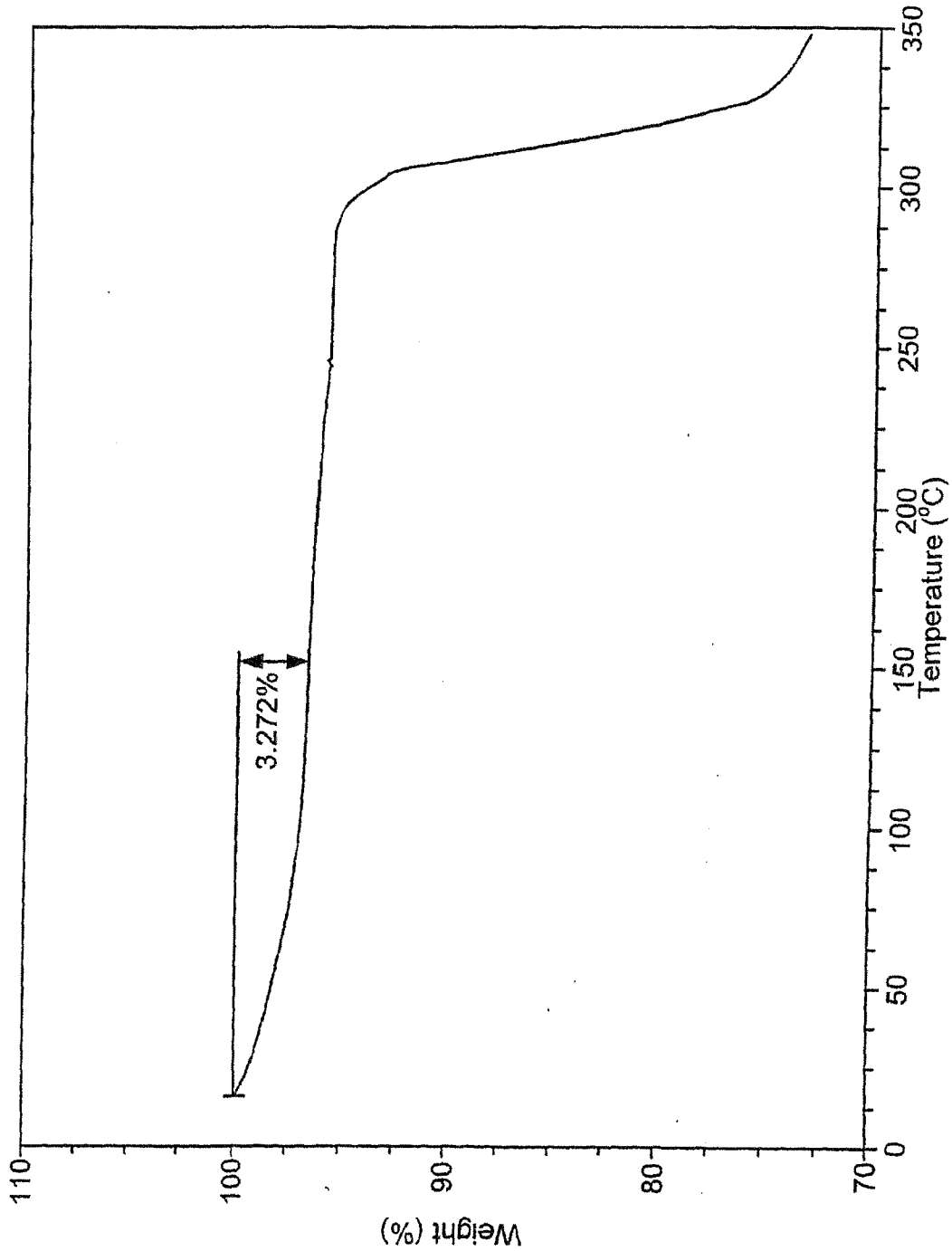

110
100
90
80
70
Weight (%)
3.272%
0
50
100
150
200
250
300
350
Temperature (°C)

Fig. 17

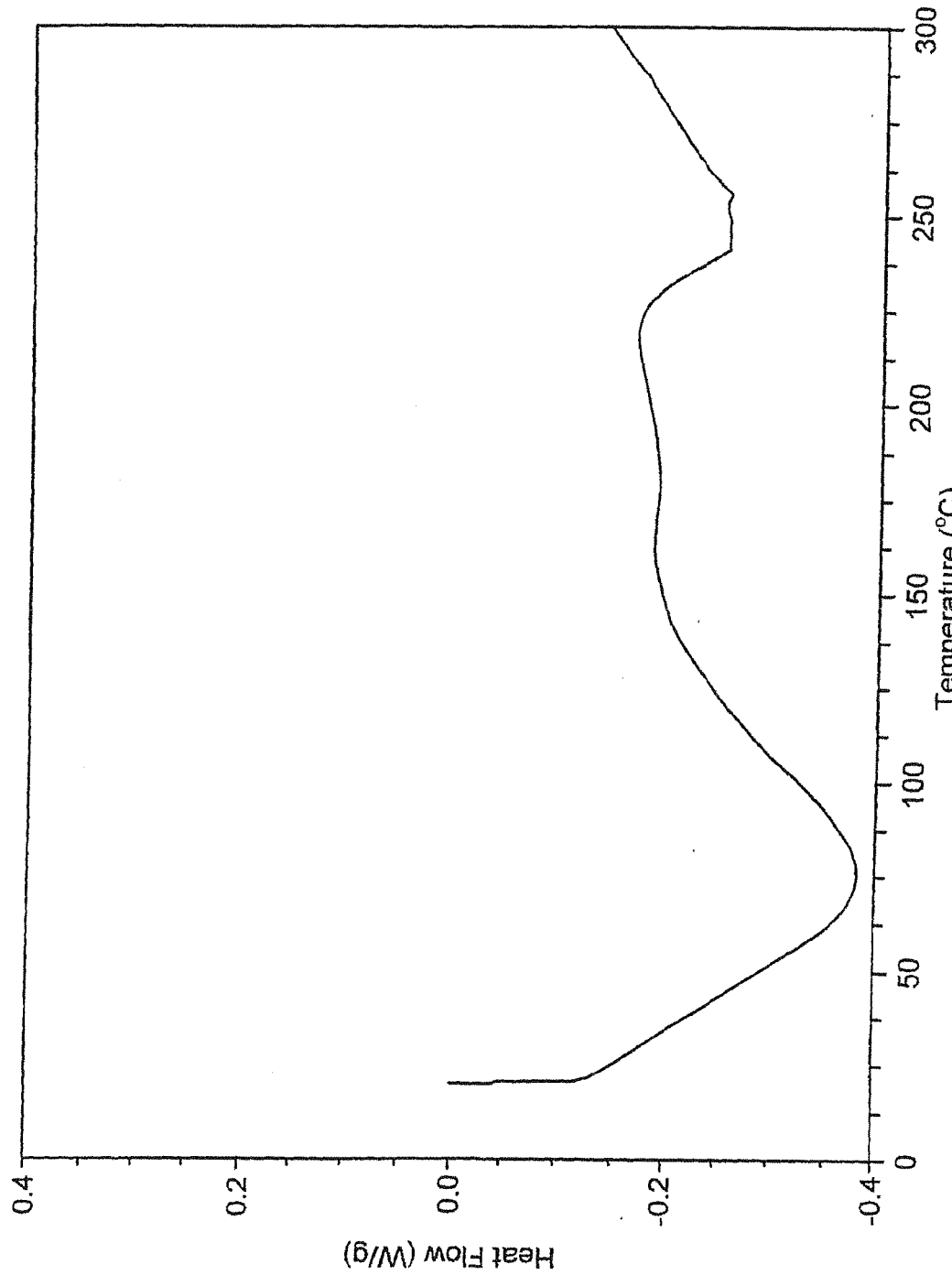

Heat Flow (W/g)
0.4
0.2
0.0
-0.2
-0.4
0
50
100
150
200
250
300
Temperature (°C)

Fig. 18

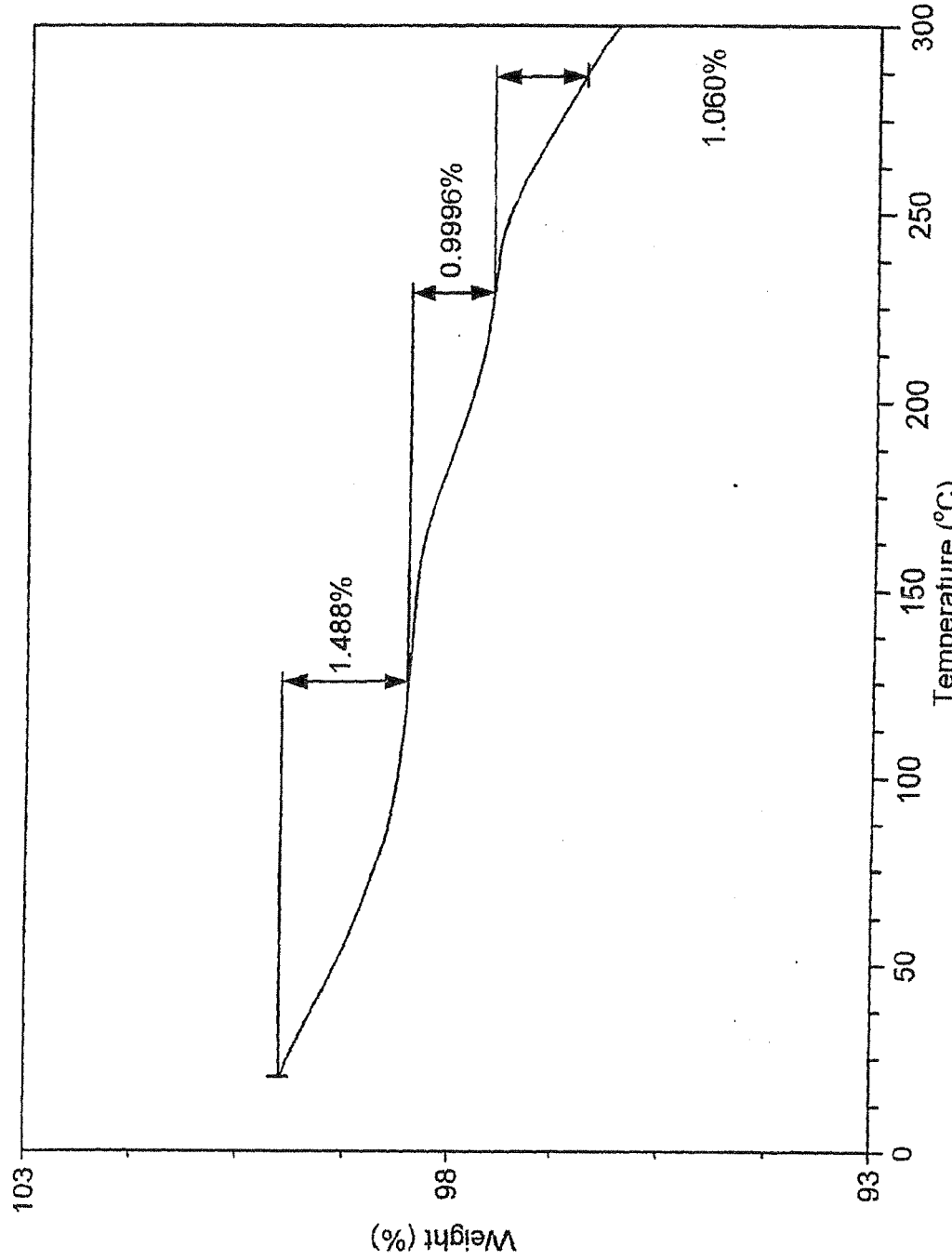

103
98
93
Weight (%)
0
50
100
150
200
250
300
Temperature (°C)
1.488%
0.9996%
1.060%

Fig. 19