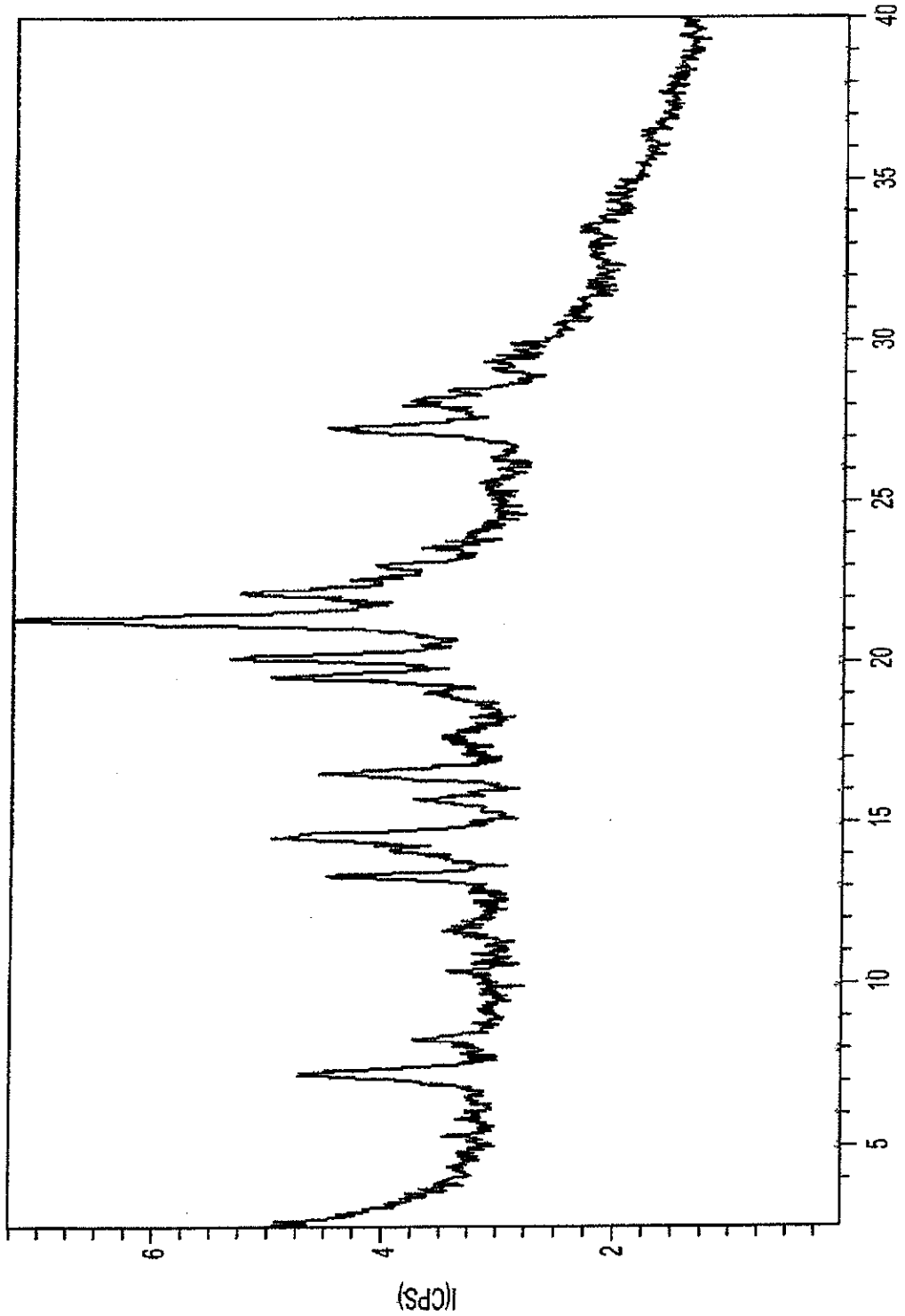


FIG. 1

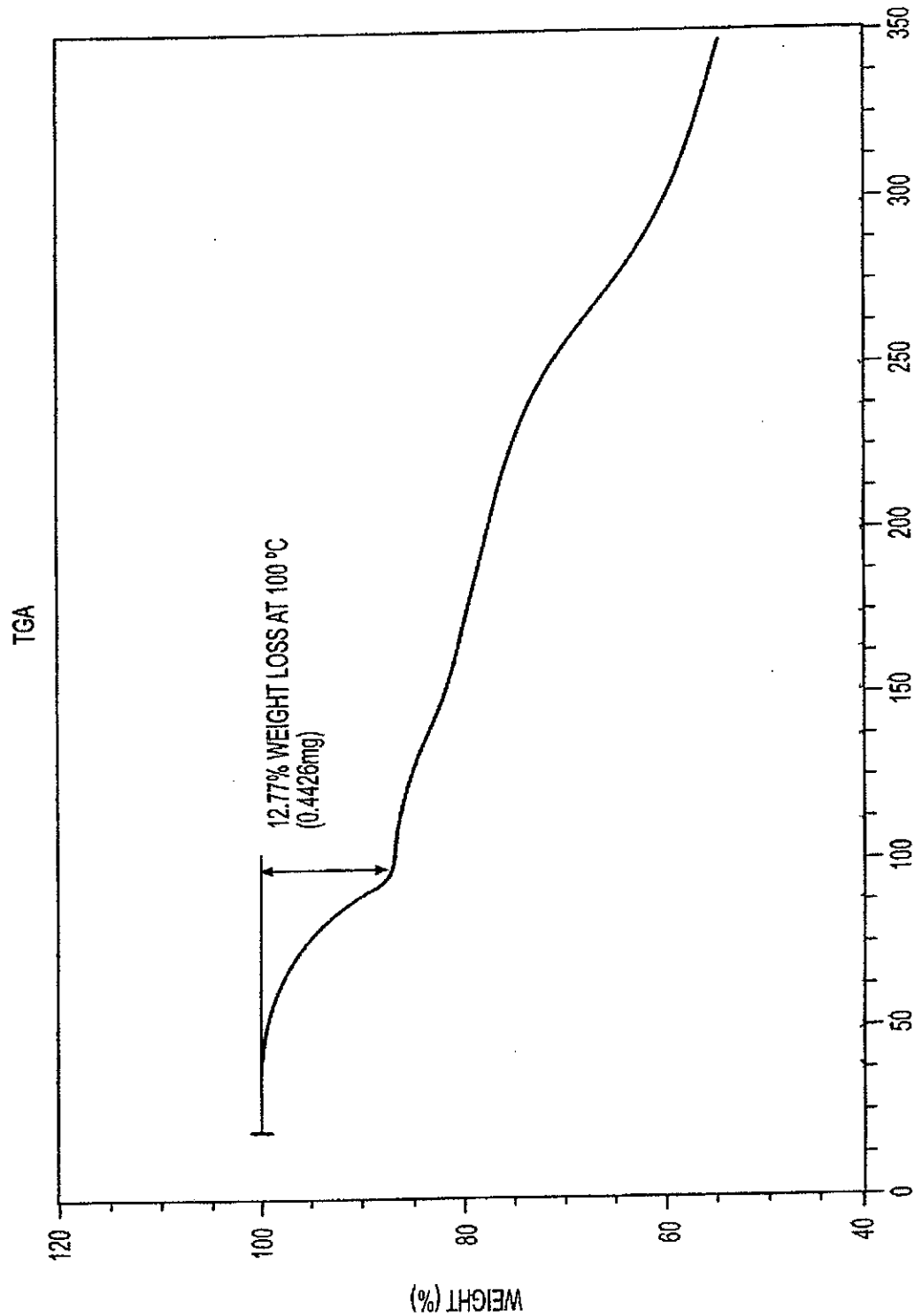

TGA
12.77% WEIGHT LOSS AT 100 °C
(0.4426mg)
WEIGHT (%)
120
100
80
60
40
0
50
100
150
200
250
300
350
TEMPERATURE (C°)

FIG. 2

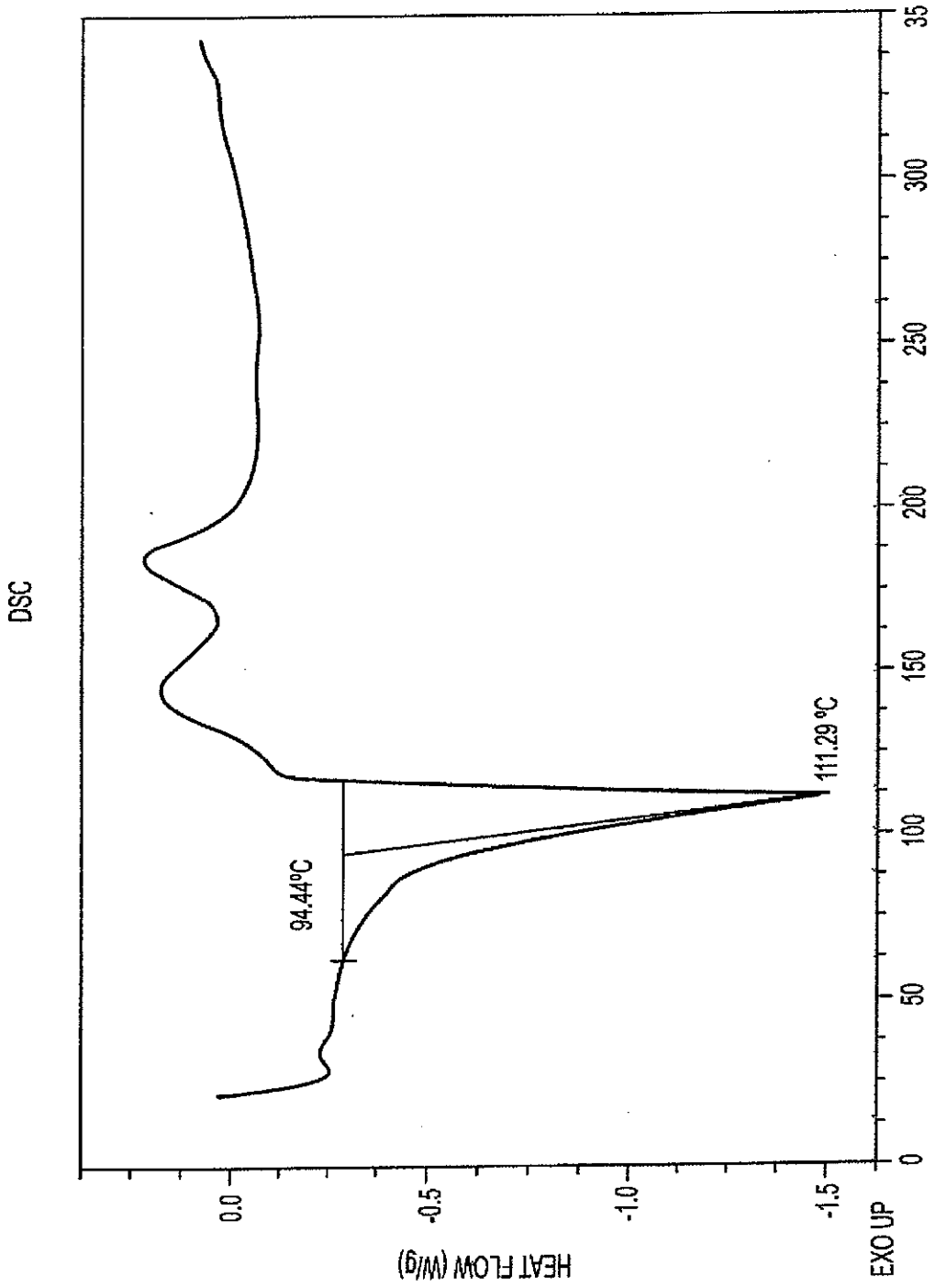

DSC
HEAT FLOW (W/g)
0.0
-0.5
-1.0
-1.5
EXO UP
0
50
100
150
200
250
300
350
TEMPERATURE (°C)
111.29 °C
94.44°C

FIG. 3

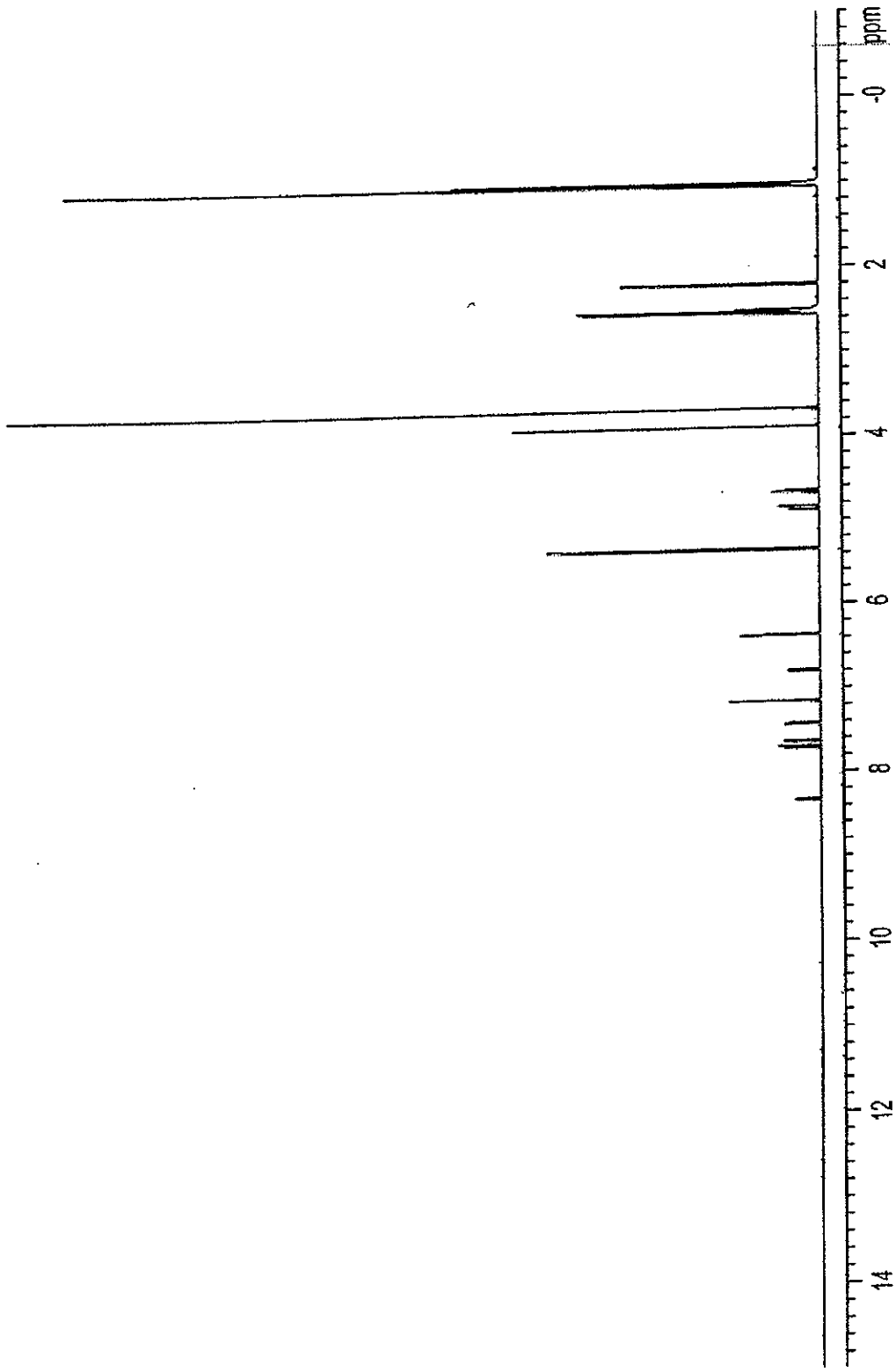


FIG. 4

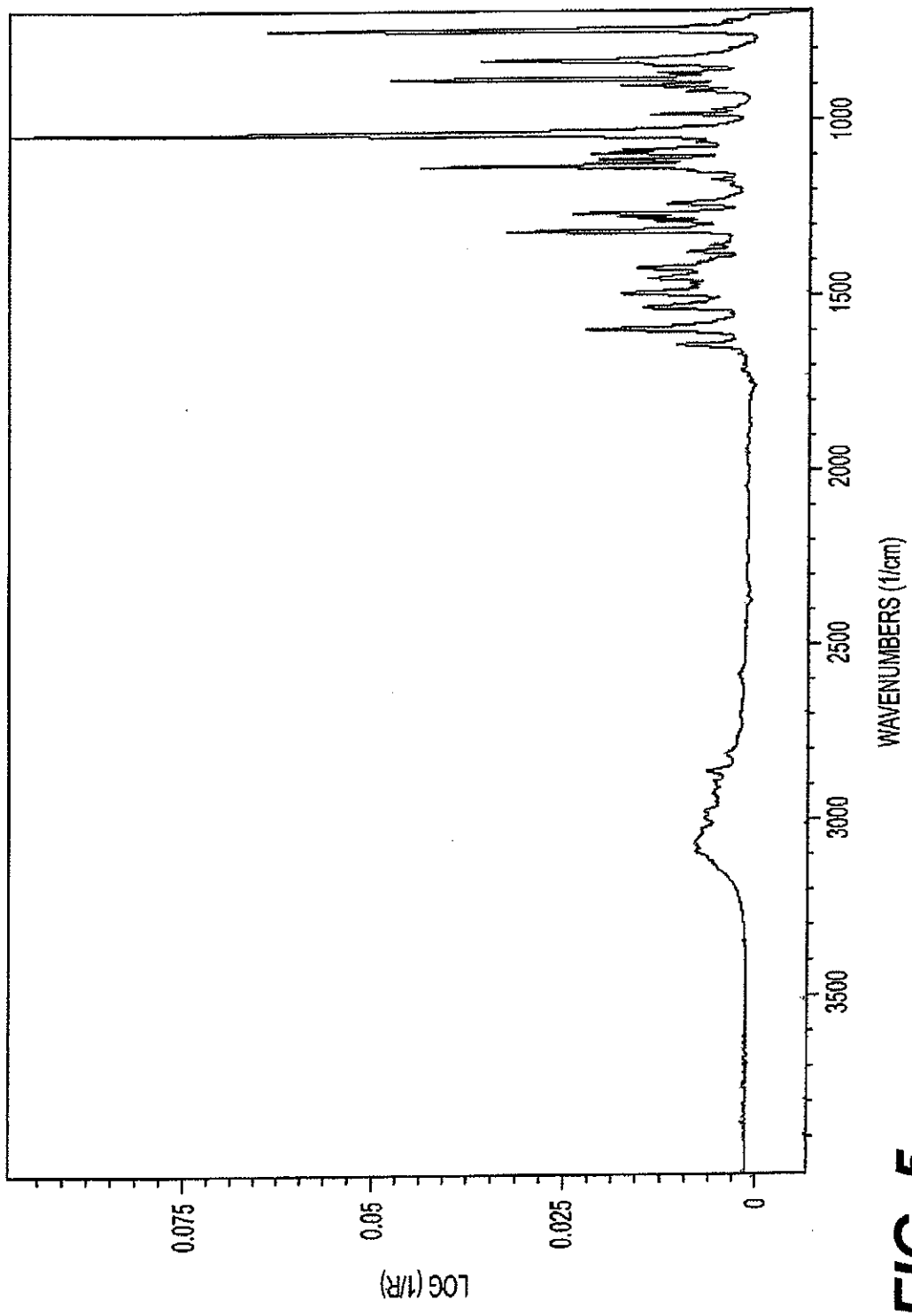

LOG (1/R)
0.075
0.05
0.025
0
3500
3000
2500
2000
1500
1000
WAVENUMBERS (1/cm)

FIG. 5

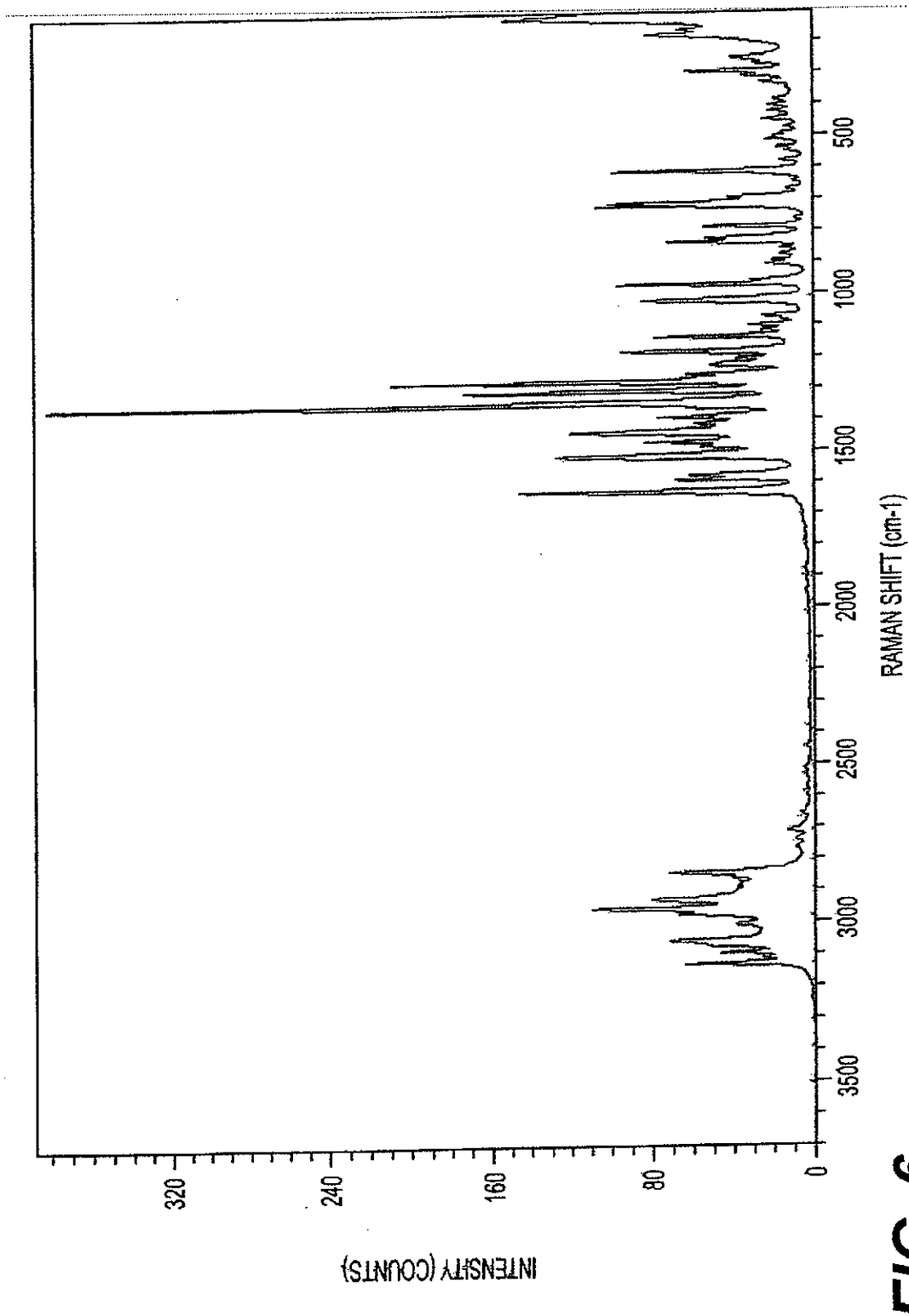

INTENSITY (COUNTS)
320
240
160
80
0
3500
3000
2500
2000
1500
1000
500
RAMAN SHIFT (cm-1)

FIG. 6

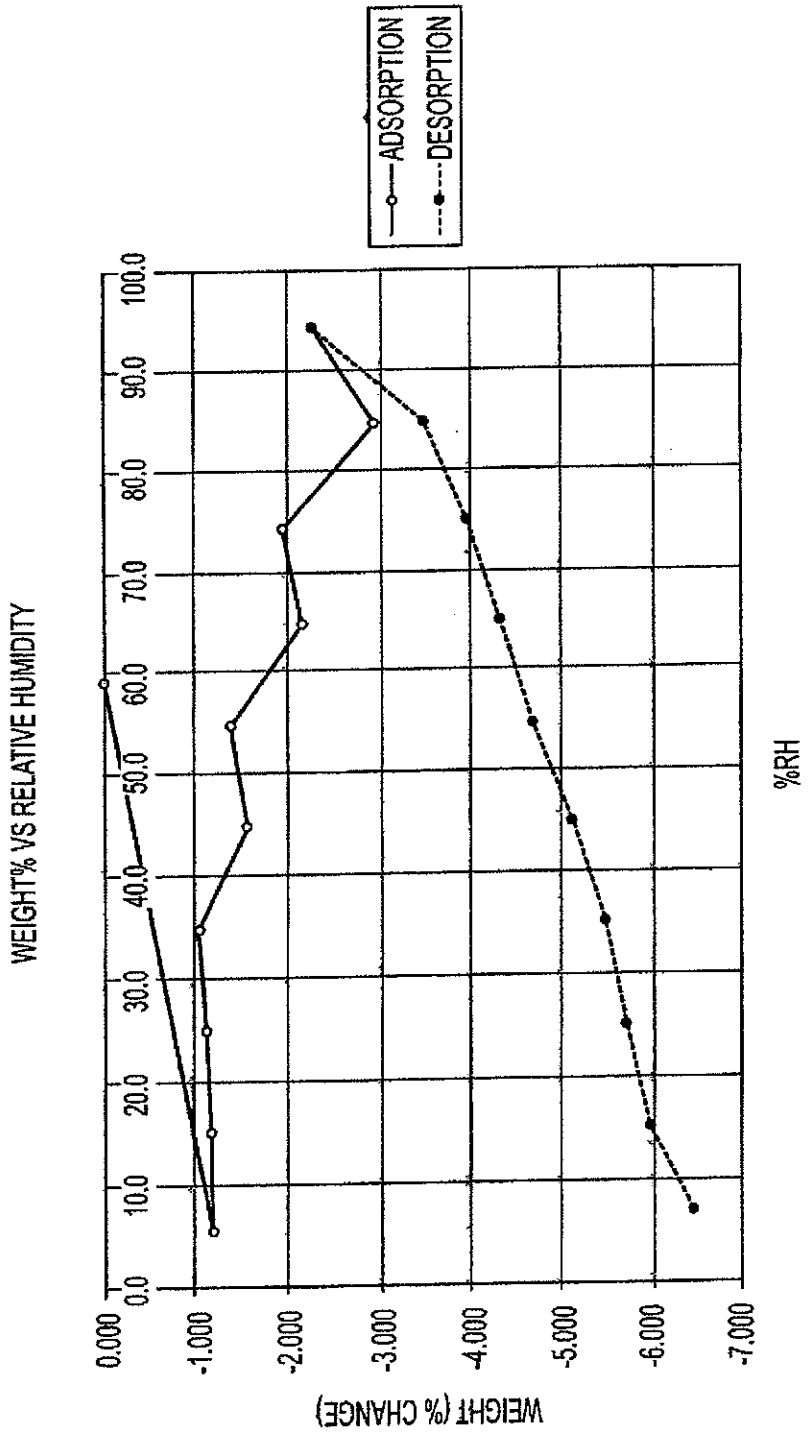

WEIGHT% VS RELATIVE HUMIDITY
ADSORPTION
DESORPTION
WEIGHT (% CHANGE)
0.000
-1.000
-2.000
-3.000
-4.000
-5.000
-6.000
-7.000
0.0
10.0
20.0
30.0
40.0
50.0
60.0
70.0
80.0
90.0
100.0
%RH

FIG. 7

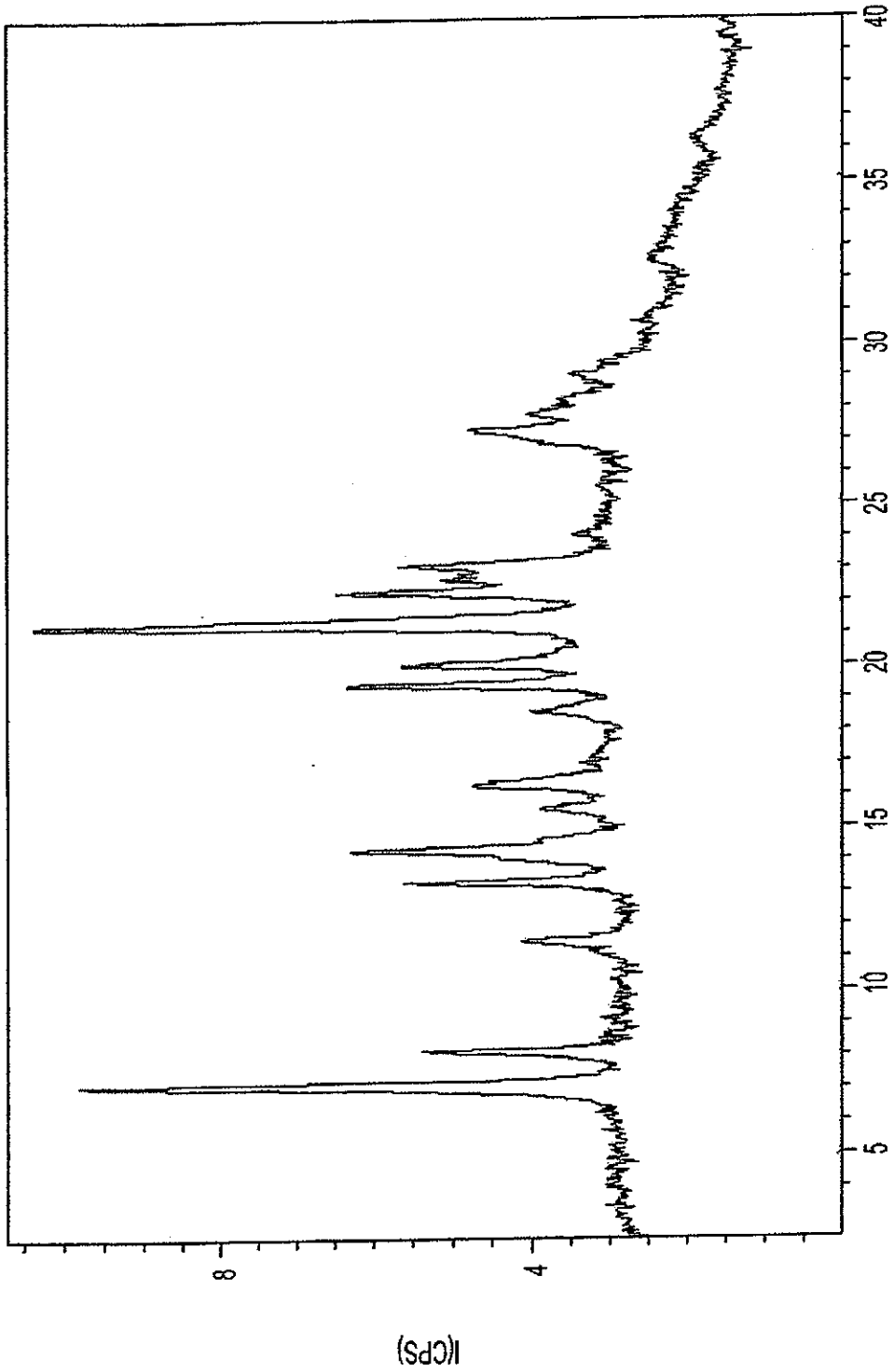


FIG. 8

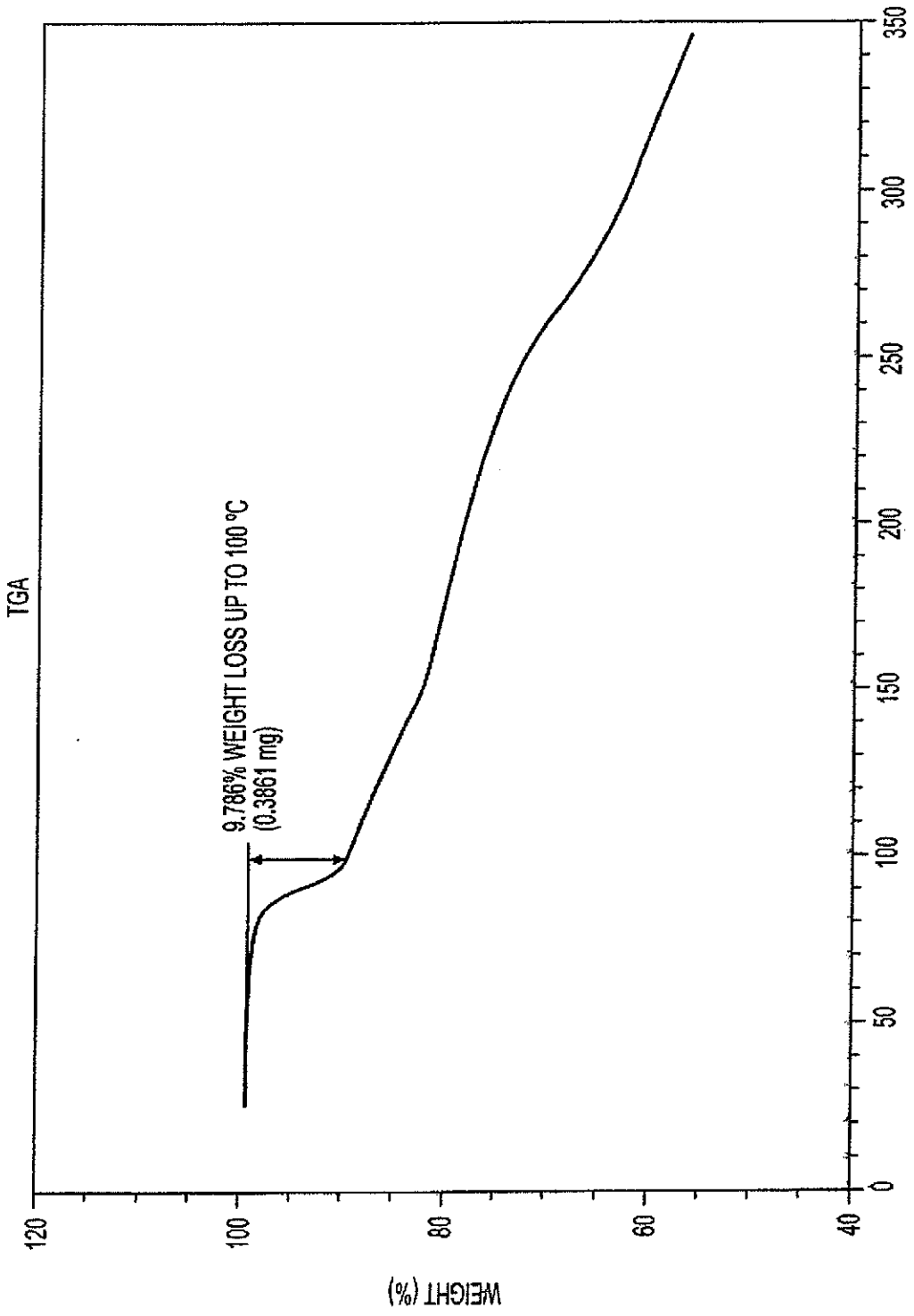

TGA
9.786% WEIGHT LOSS UP TO 100 °C
(0.3861 mg)
WEIGHT (%)
120
100
80
60
40
0
50
100
150
200
250
300
350
TEMPERATURE (°C)

FIG. 9

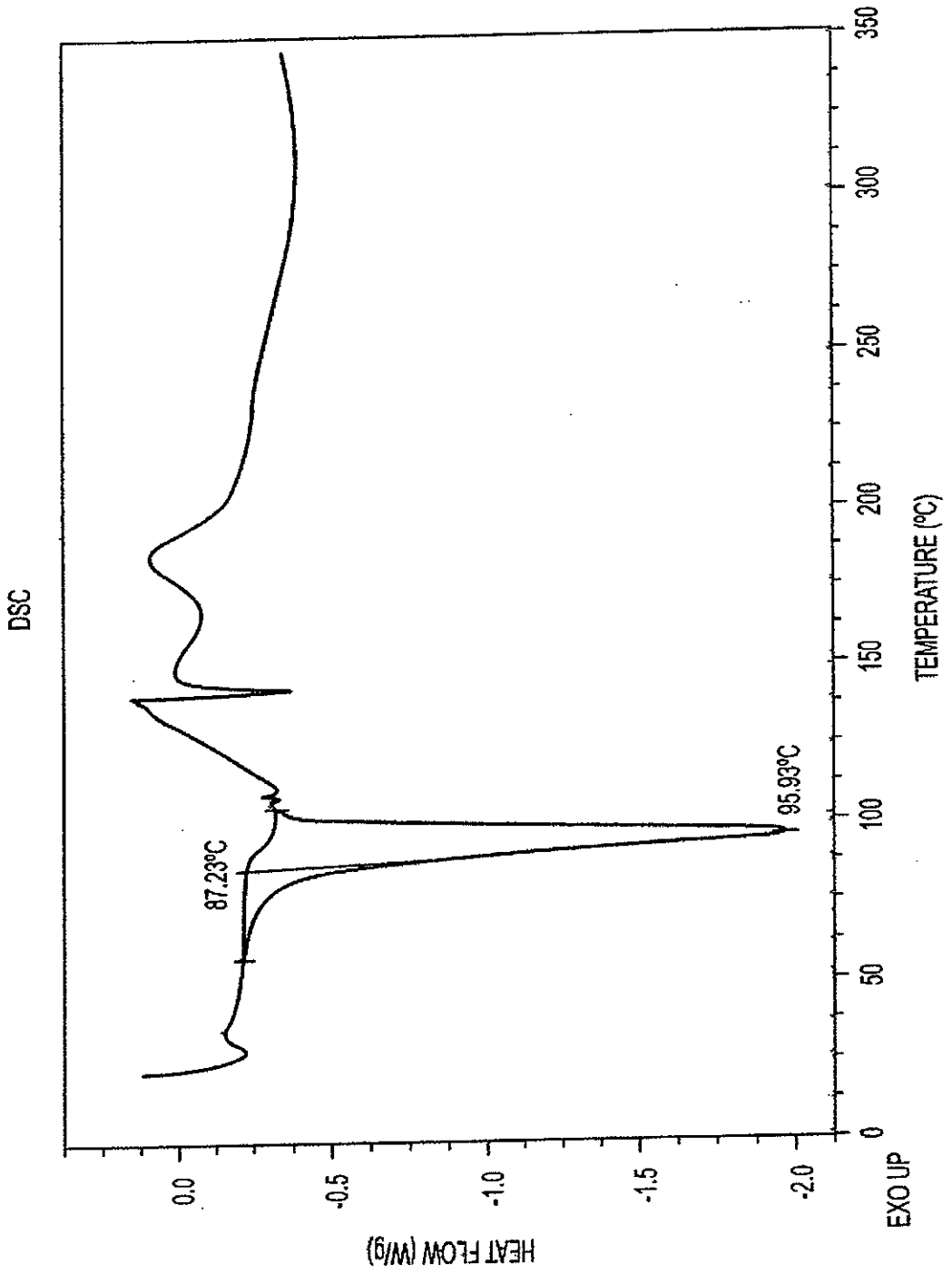

DSC
HEAT FLOW (W/g)
0.0
-0.5
-1.0
-1.5
-2.0
EXO UP
0
50
100
150
200
250
300
350
TEMPERATURE (°C)
87.23°C
95.93°C

FIG. 10

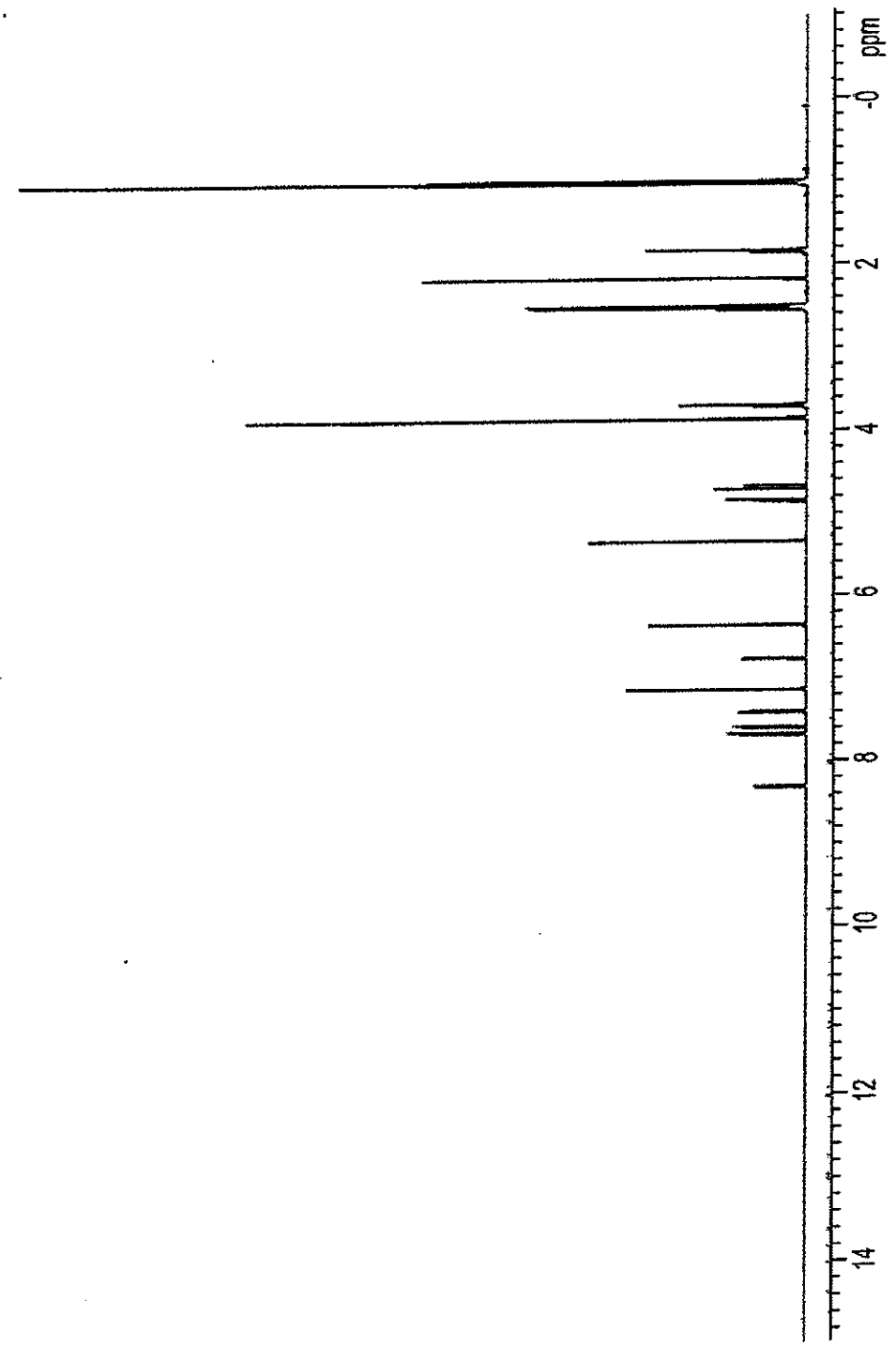


FIG. 11

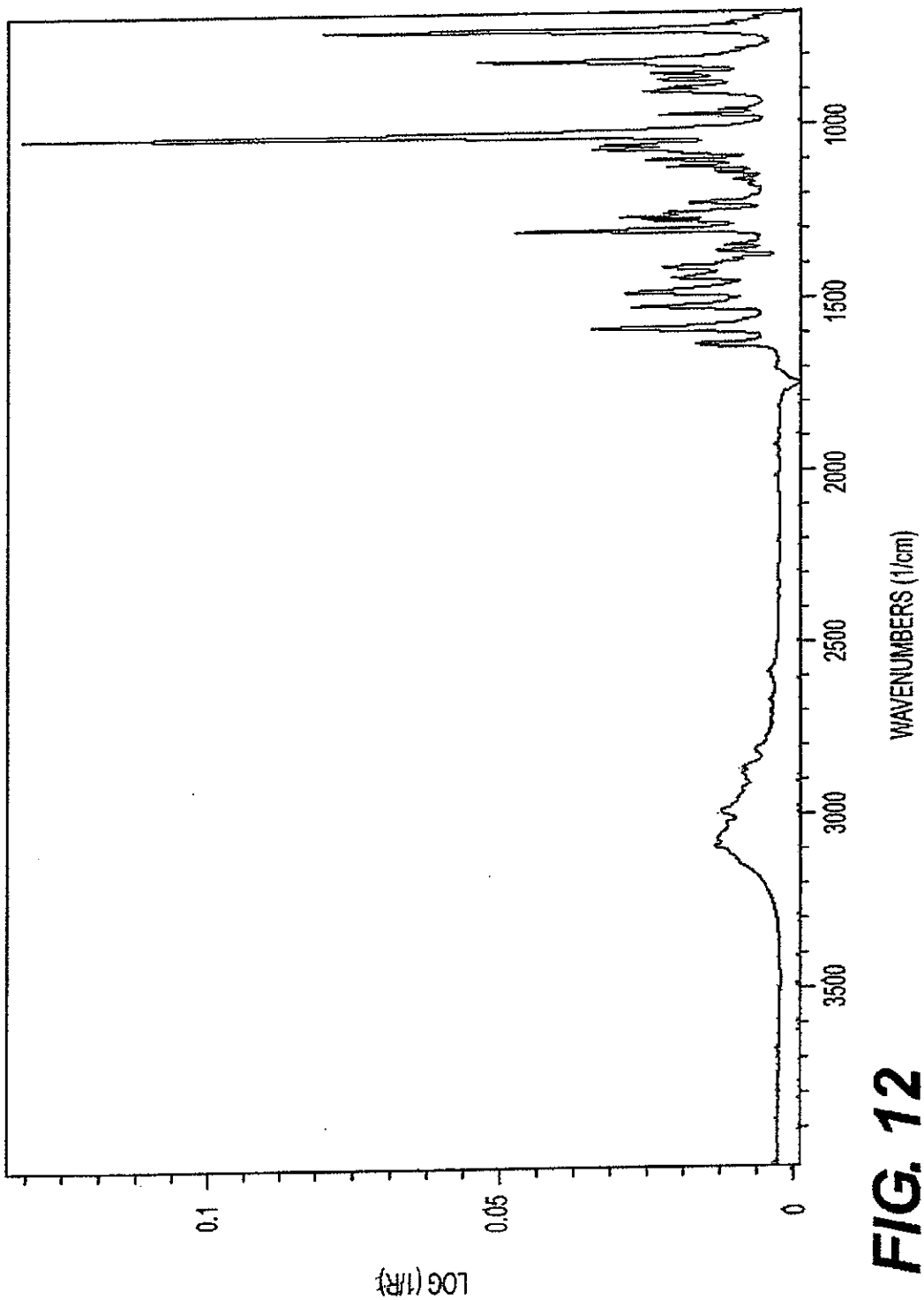


FIG. 12

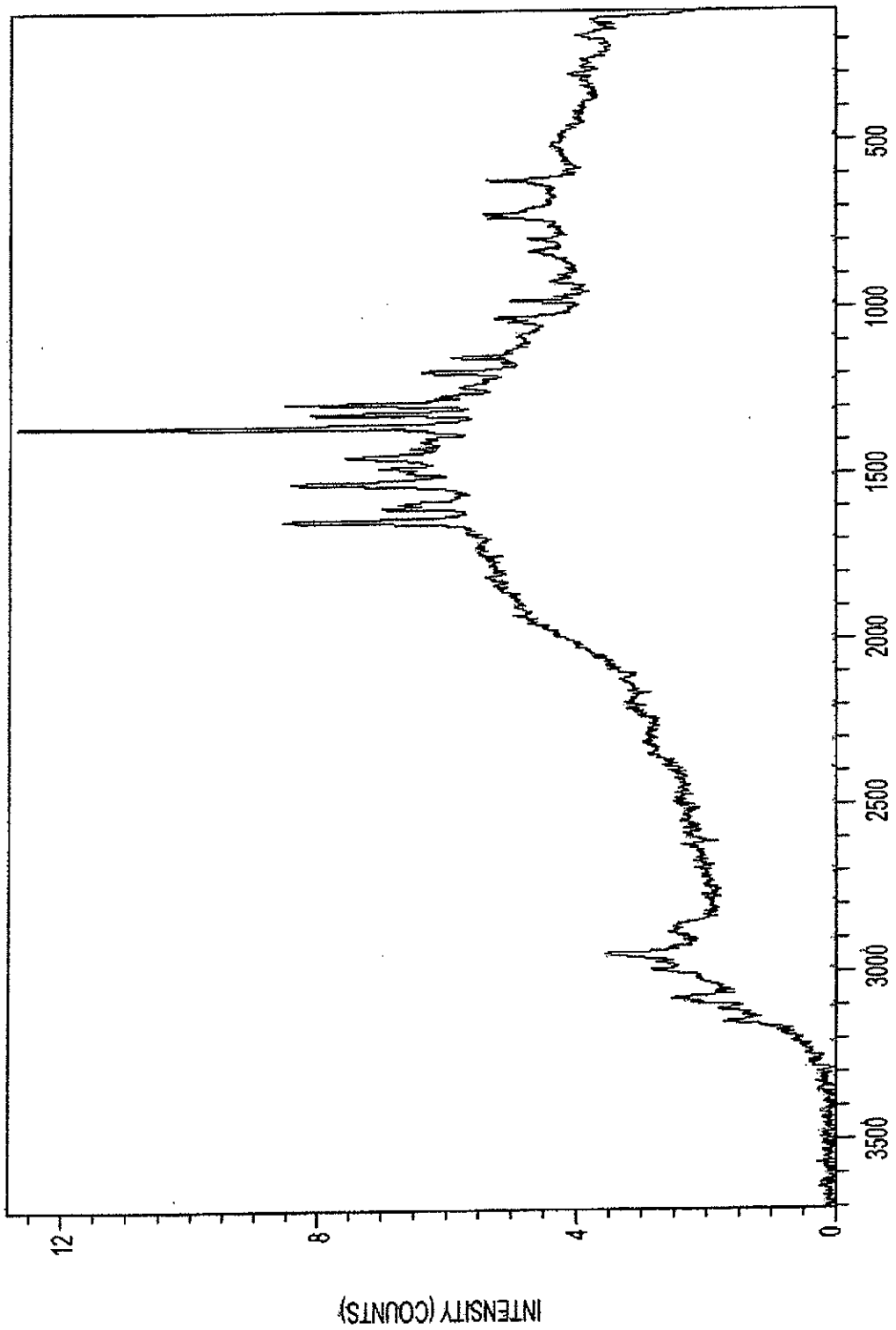

INTENSITY (COUNTS)
0
4
8
12
RAMAN SHIFT (cm-1)
3500
3000
2500
2000
1500
1000
500

FIG. 13

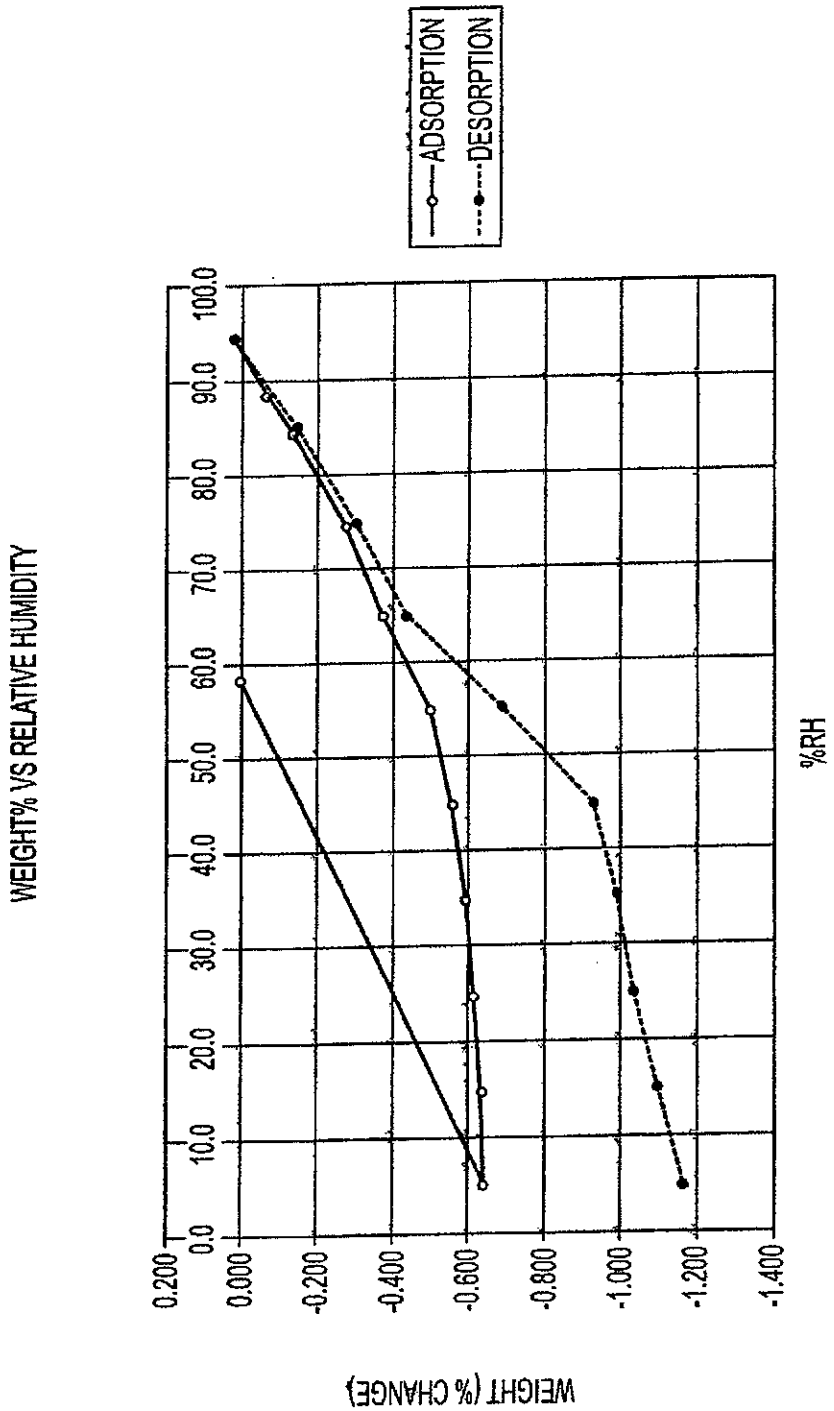

WEIGHT% VS RELATIVE HUMIDITY
ADSORPTION
DESORPTION
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
%RH
0.200
0.000
-0.200
-0.400
-0.600
-0.800
-1.000
-1.200
-1.400
WEIGHT (% CHANGE)

FIG. 14

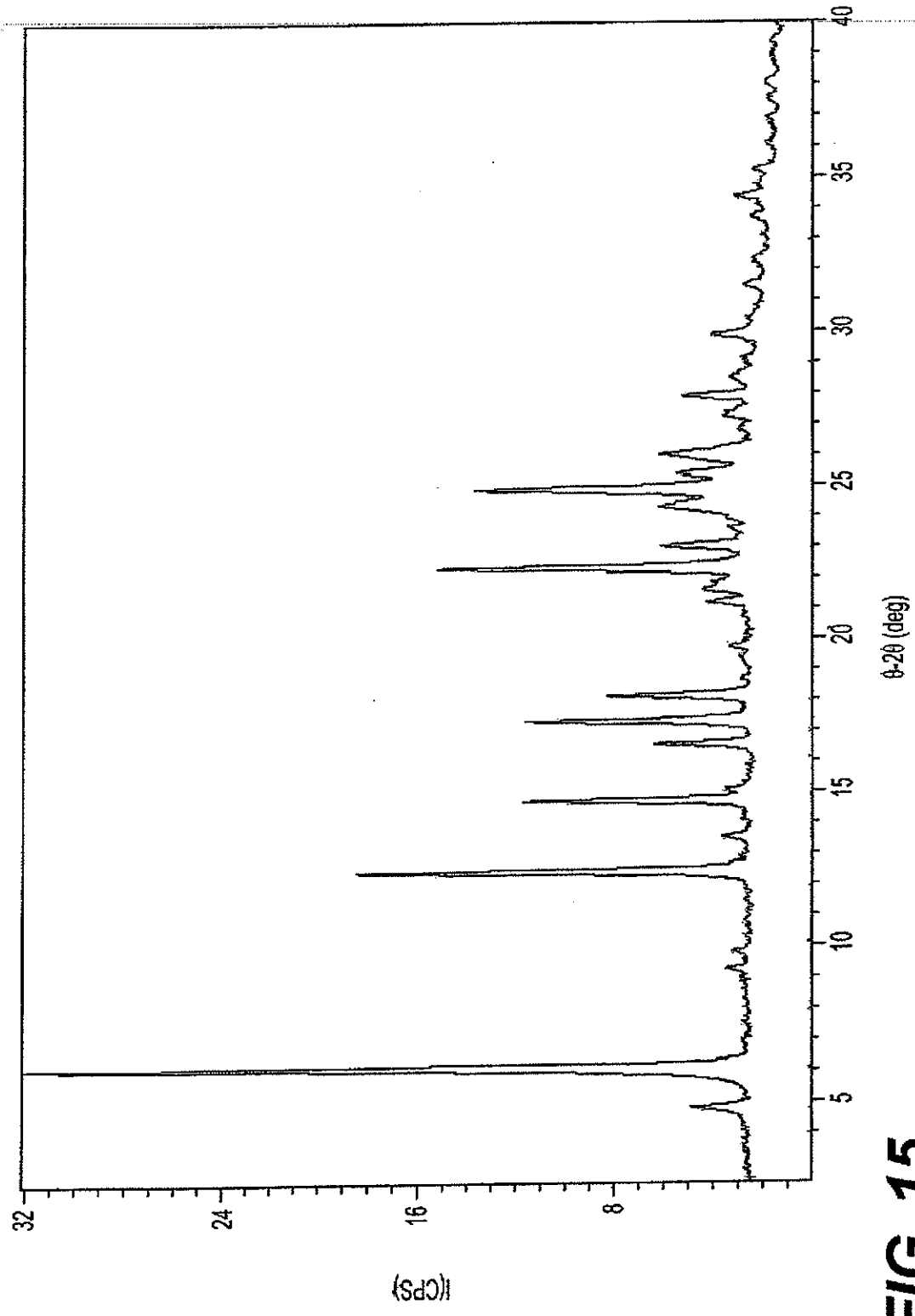


FIG. 15

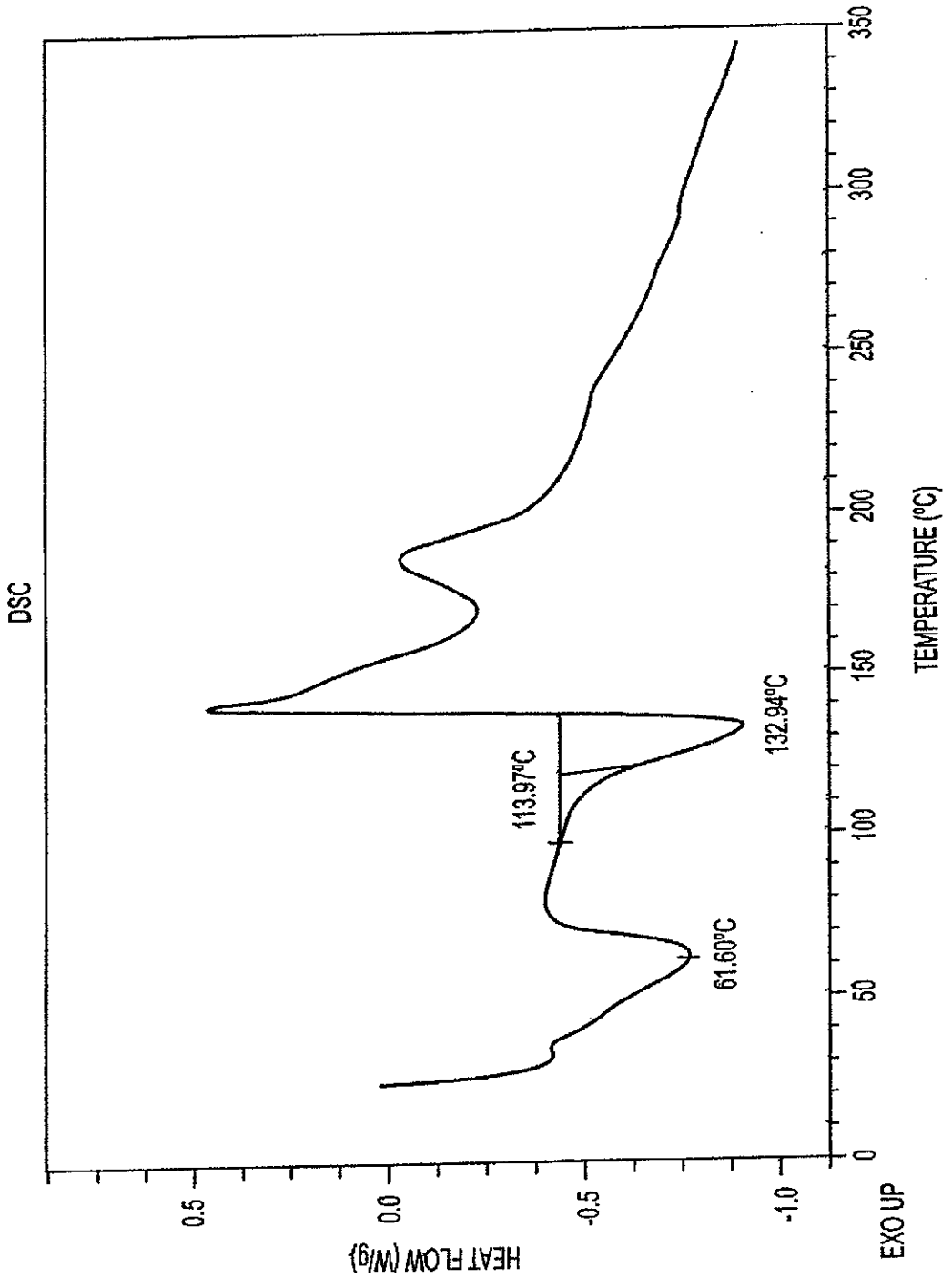

DSC
HEAT FLOW (W/g)
0.5
0.0
-0.5
-1.0
EXO UP
0
50
100
150
200
250
300
350
TEMPERATURE (°C)
61.60°C
113.97°C
132.94°C

FIG. 16

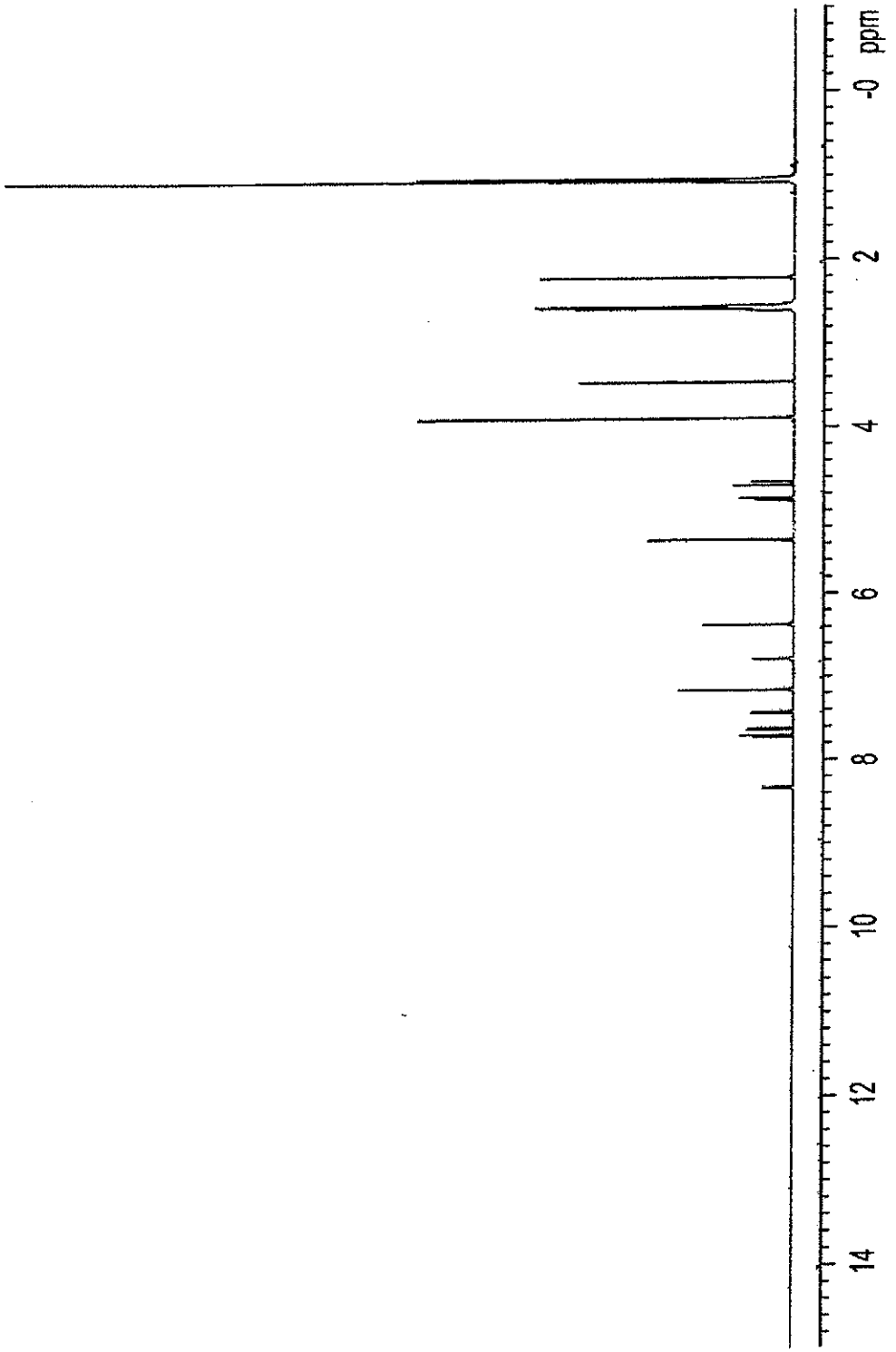


FIG. 17

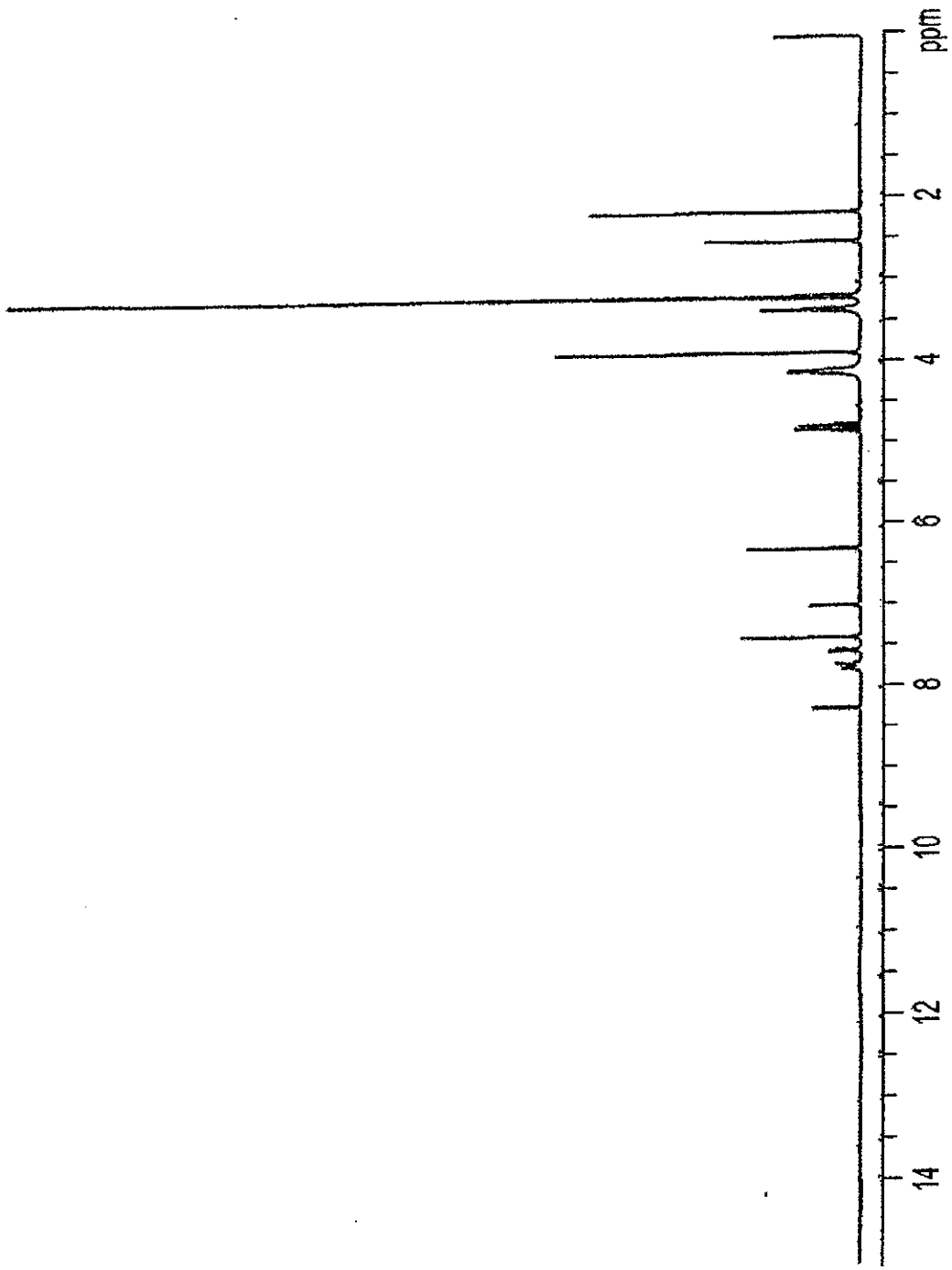


FIG. 18

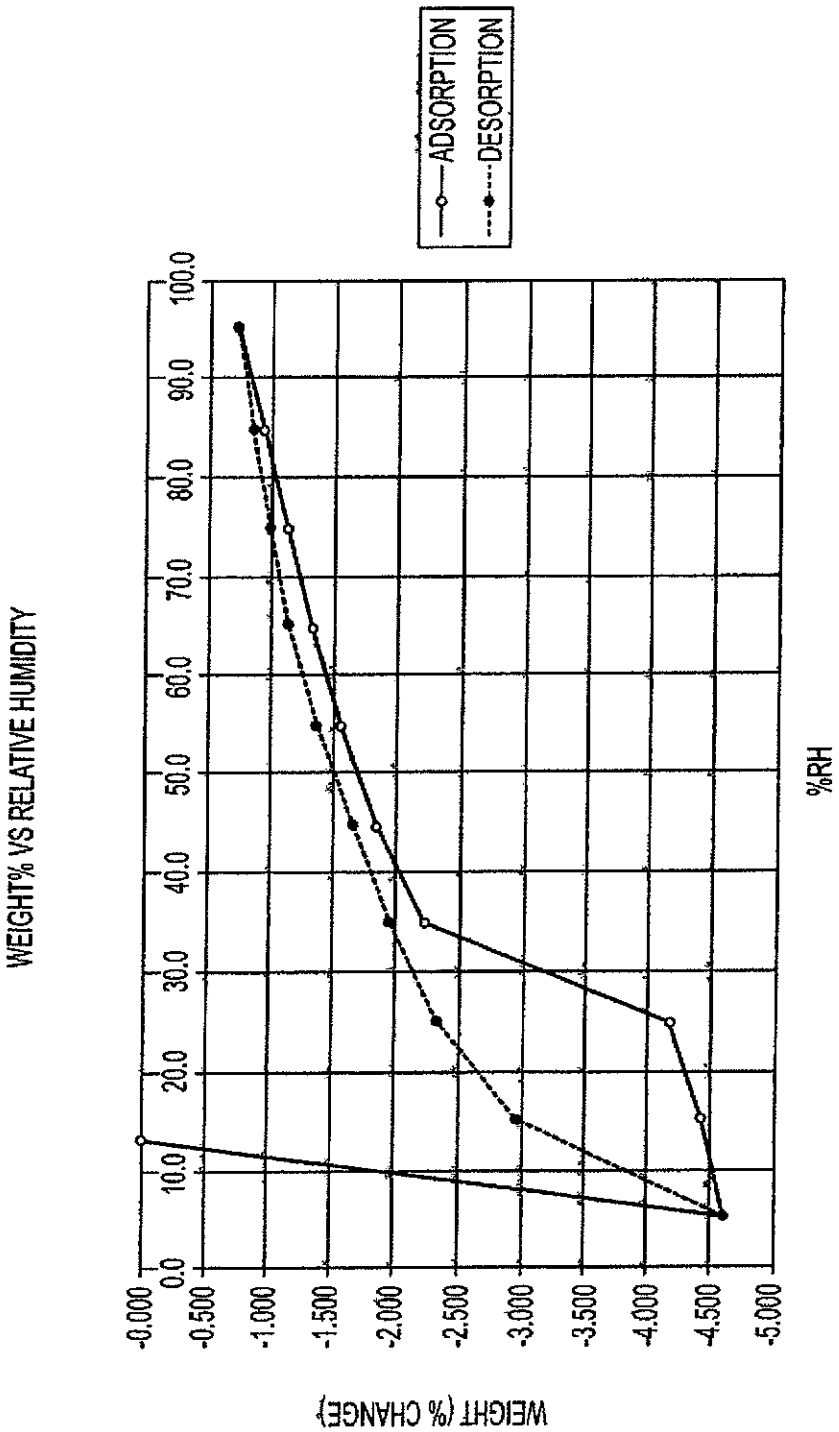

WEIGHT% VS RELATIVE HUMIDITY
ADSORPTION
DESORPTION
%RH
WEIGHT (% CHANGE)
0.0
10.0
20.0
30.0
40.0
50.0
60.0
70.0
80.0
90.0
100.0
-0.000
-0.500
-1.000
-1.500
-2.000
-2.500
-3.000
-3.500
-4.000
-4.500
-5.000

FIG. 19

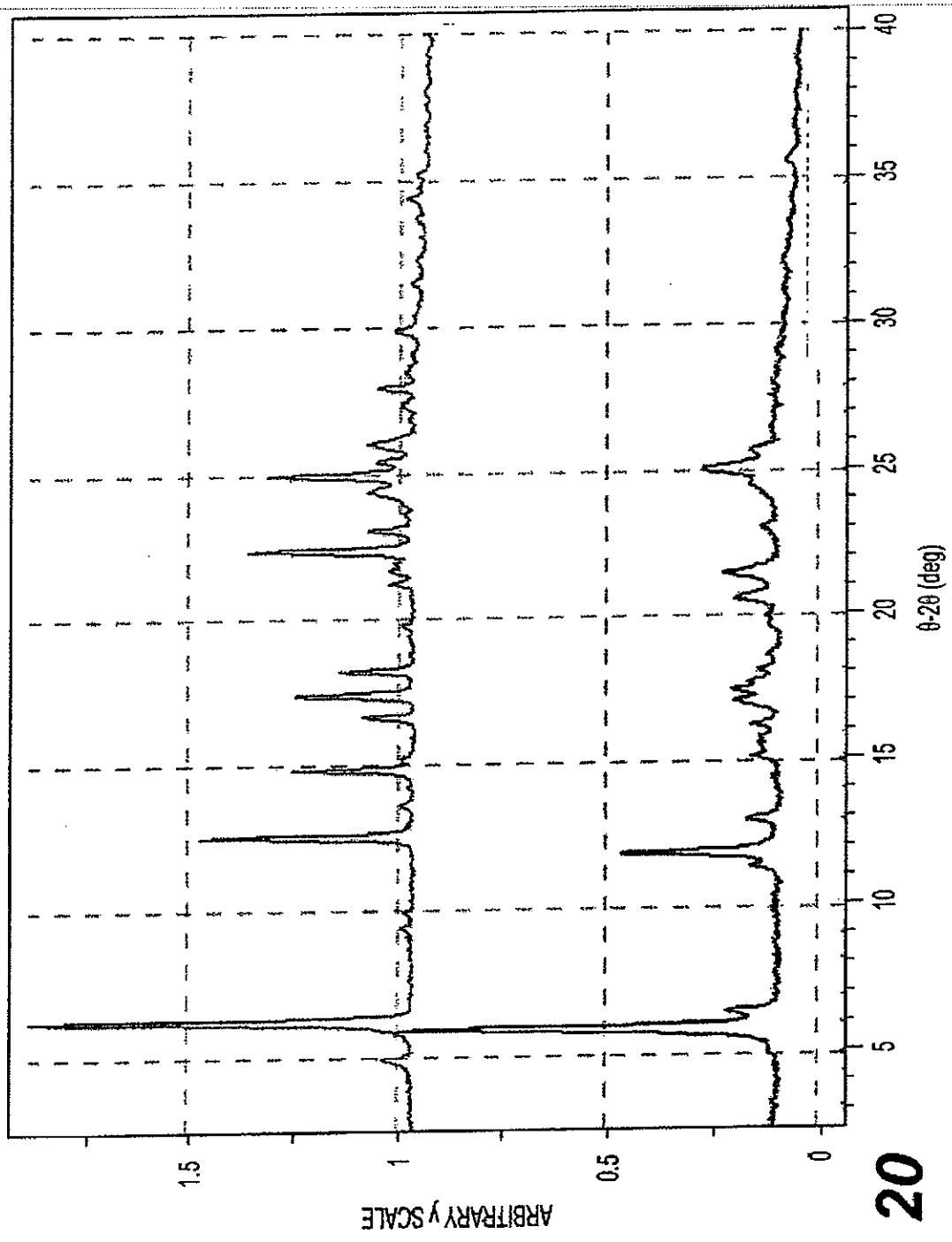


FIG. 20

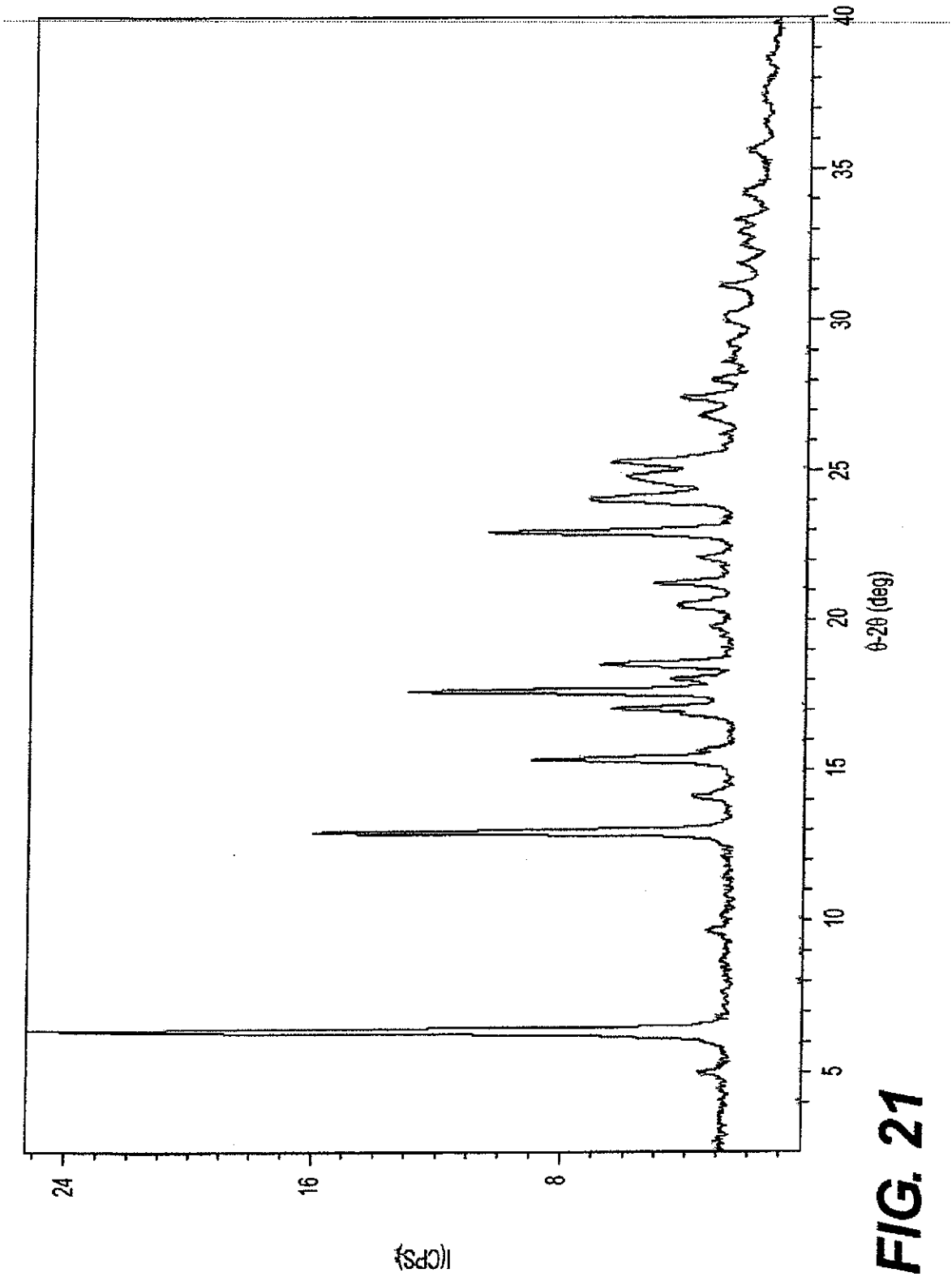


FIG. 21