Figure 1

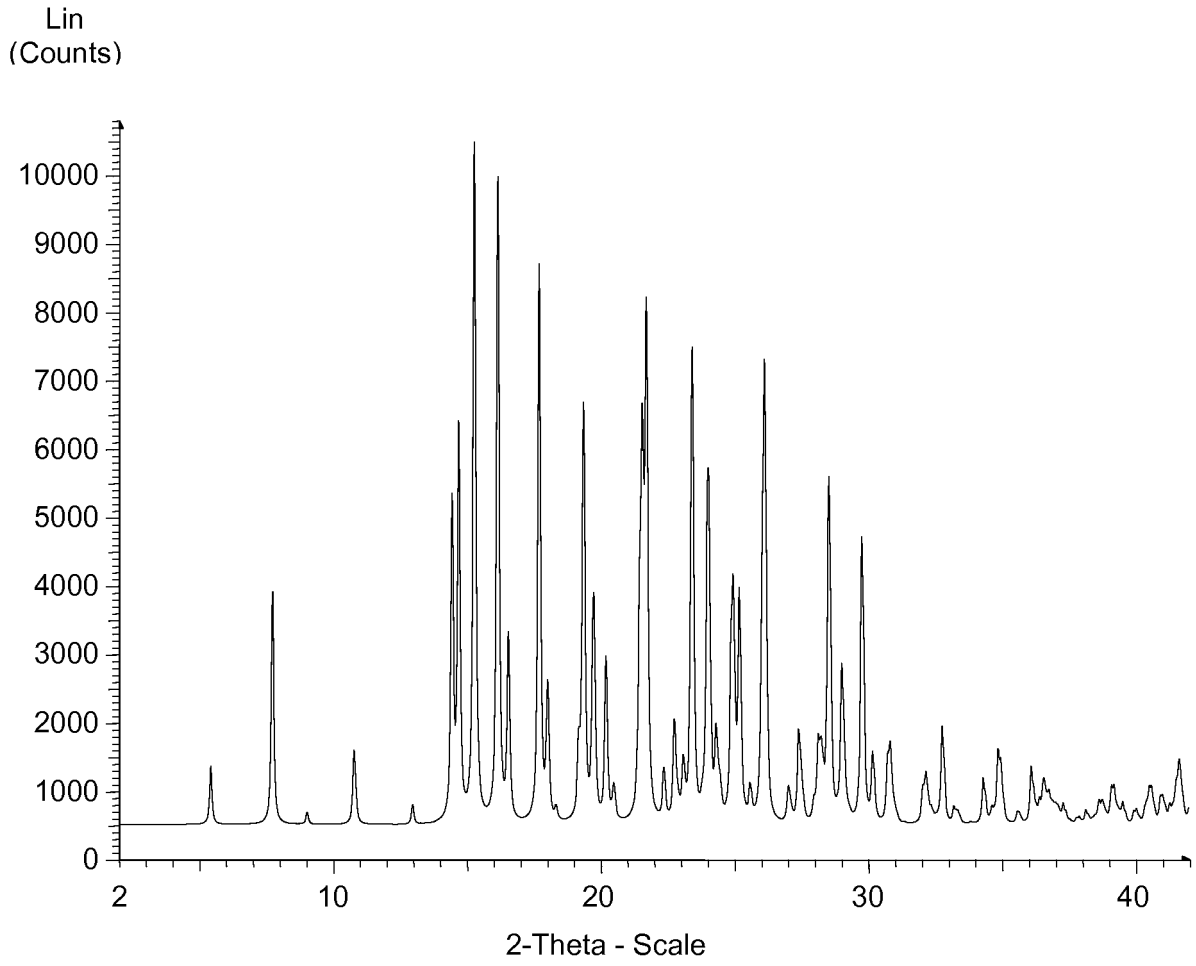

Lin
(Counts)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
10
20
30
40
2-Theta - Scale

Figure 2

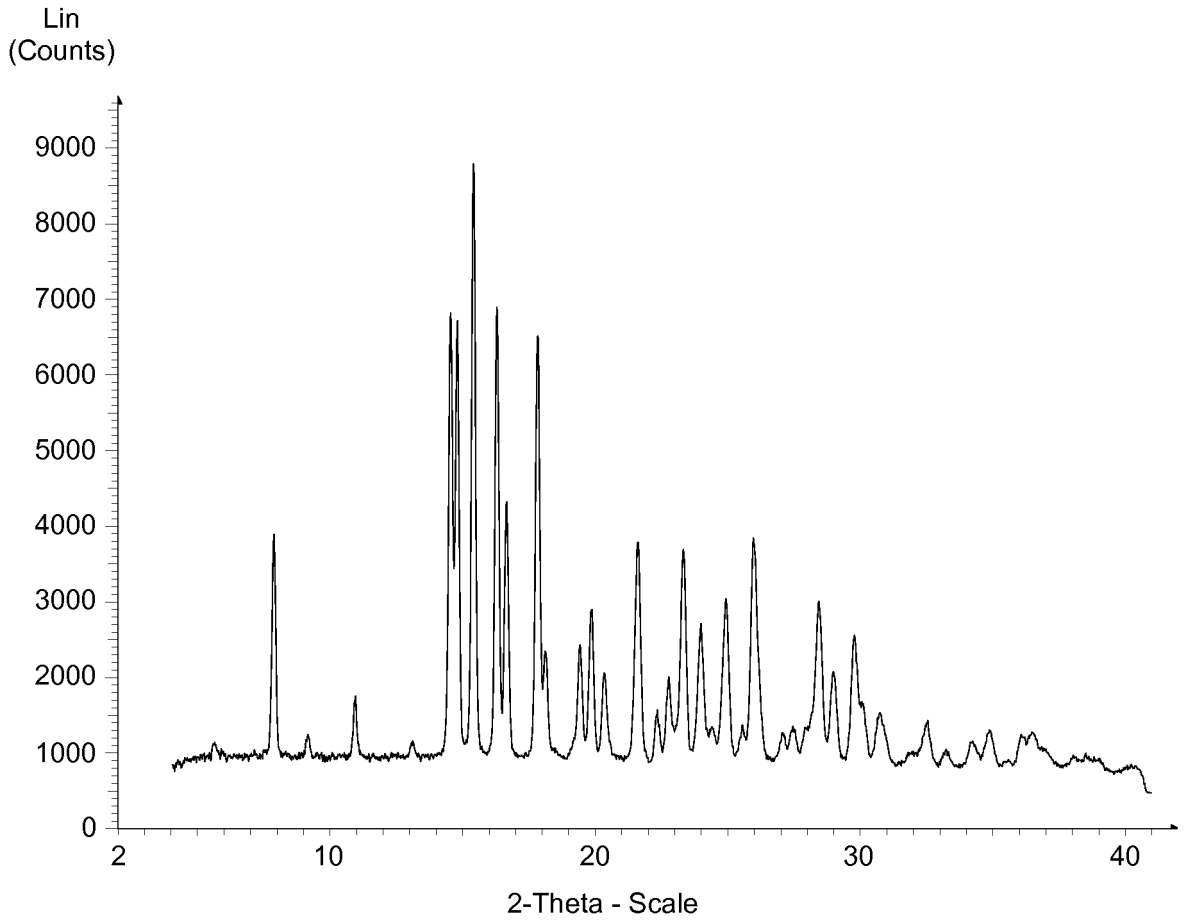

Lin
(Counts)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
10
20
30
40
2-Theta - Scale

Figure 3

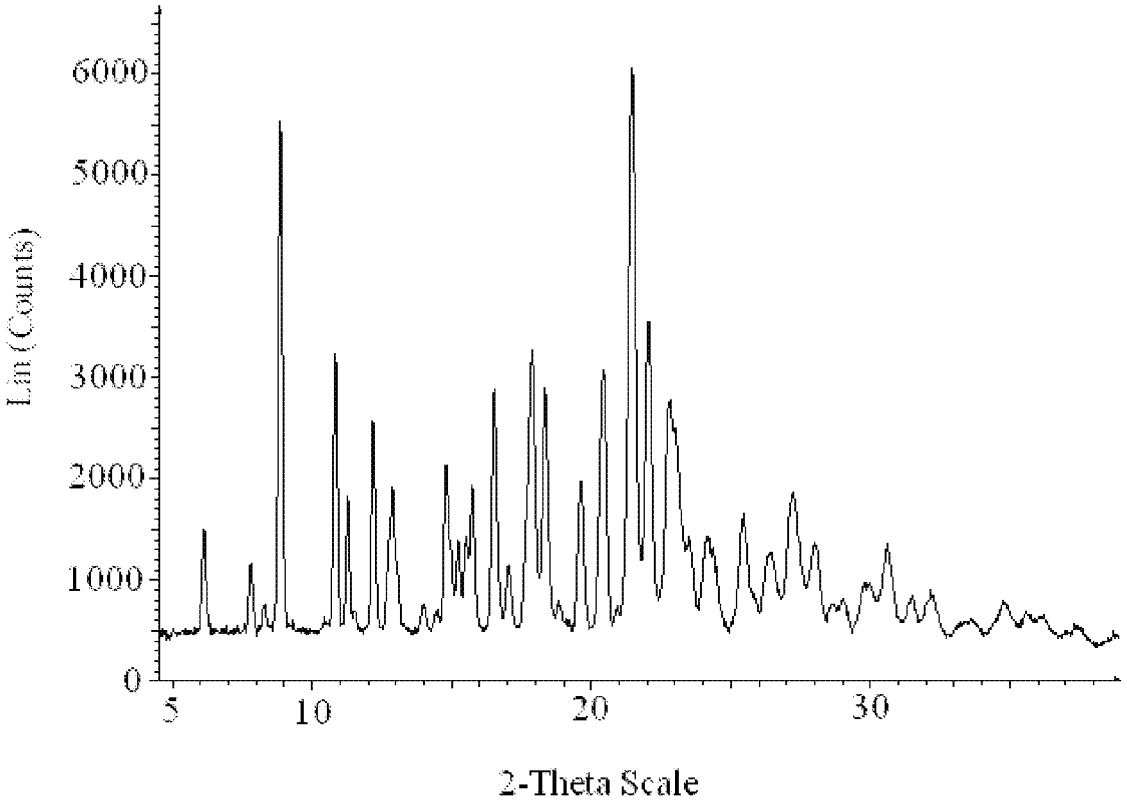

6000
5000
4000
3000
2000
1000
0
Lin (Counts)
5
10
20
30
2-Theta Scale

Figure 4

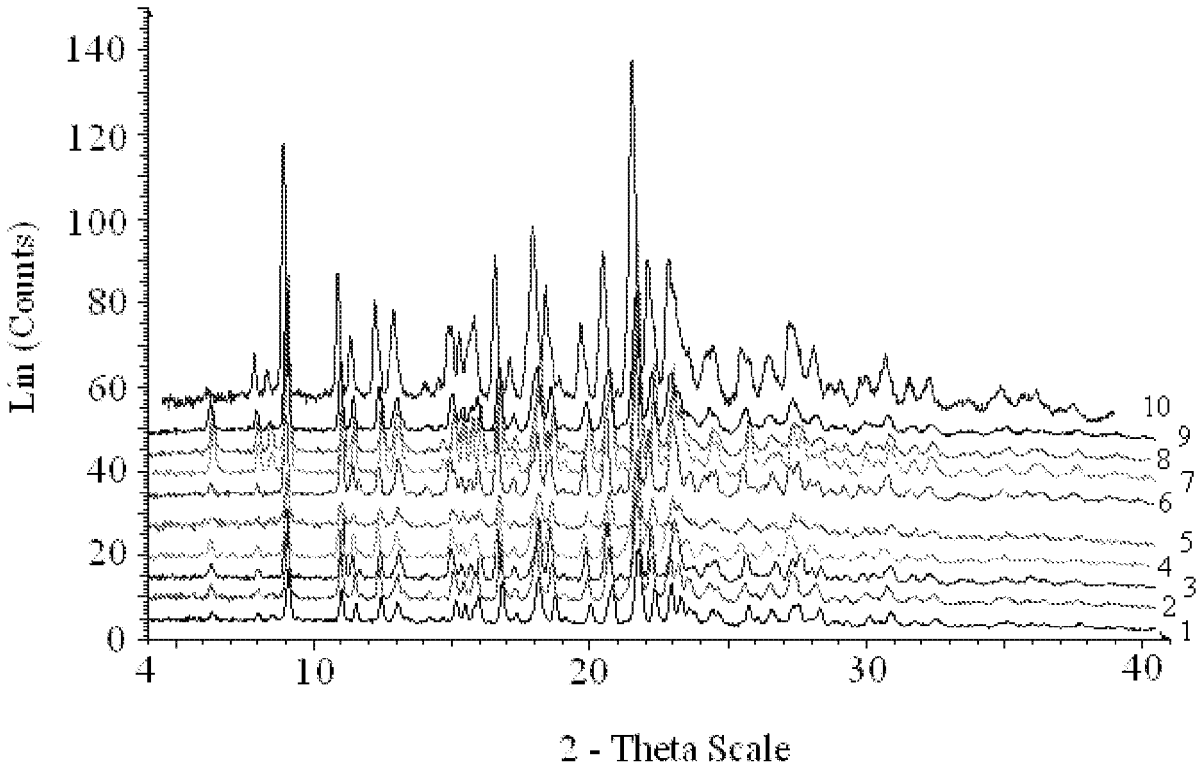

Lin (Counts)
140
120
100
80
60
40
20
0
4
10
20
30
40
2 - Theta Scale
10
9
8
7
6
5
4
3
2
1

Figure 5

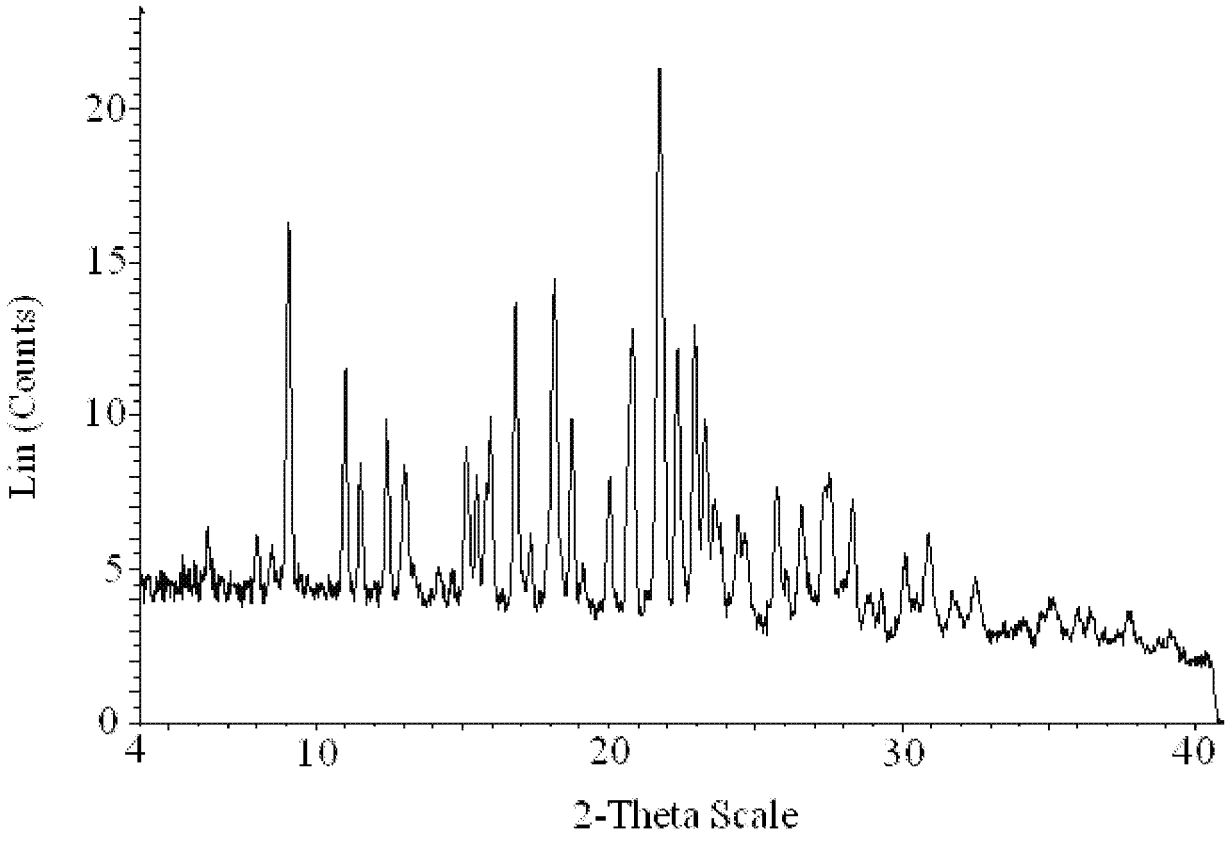


Figure 6

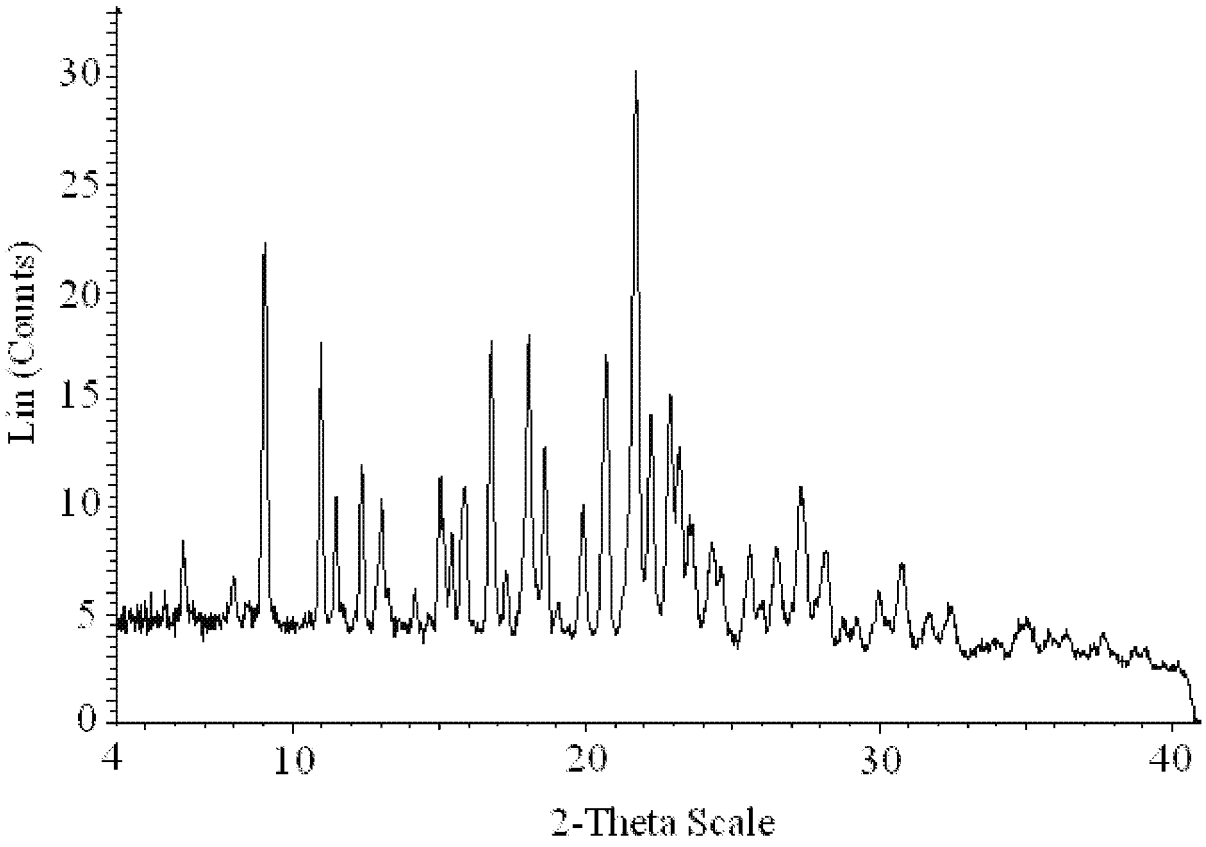


Figure 7

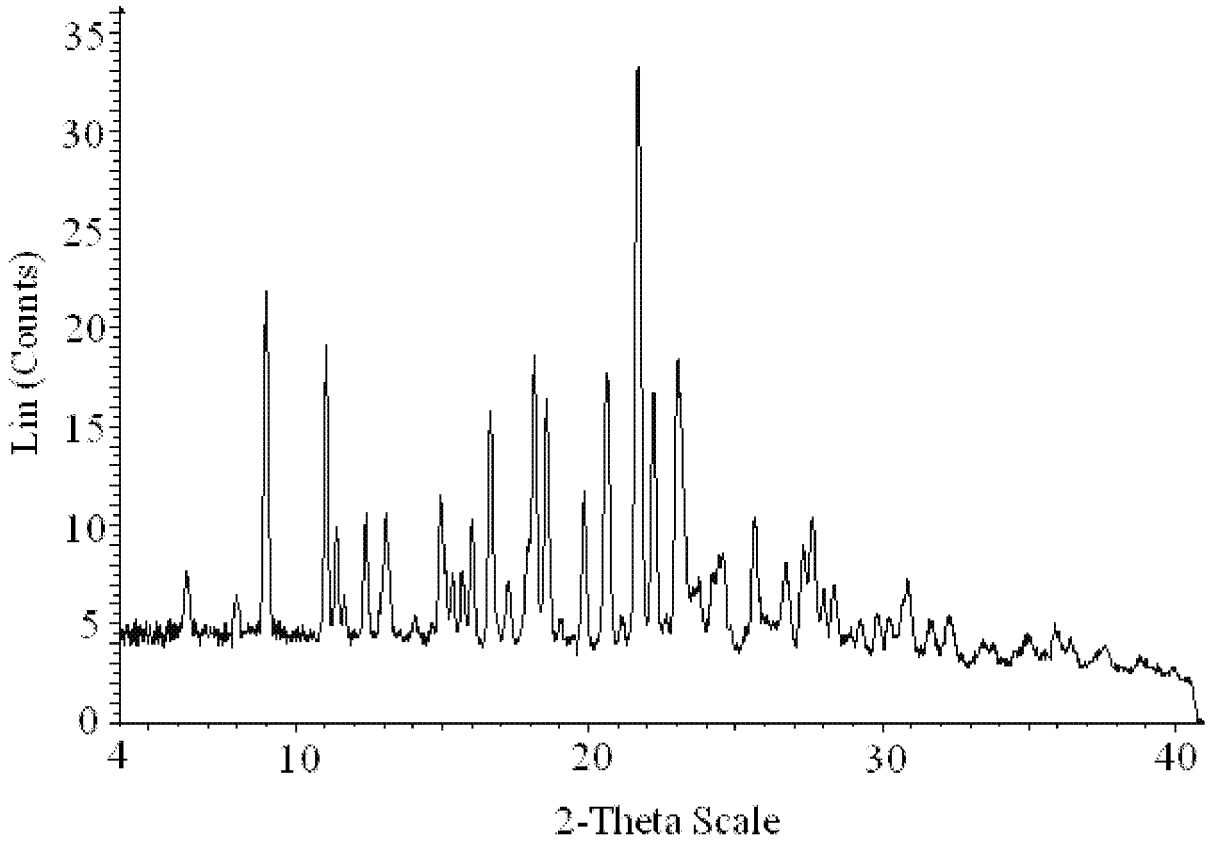


Figure 8

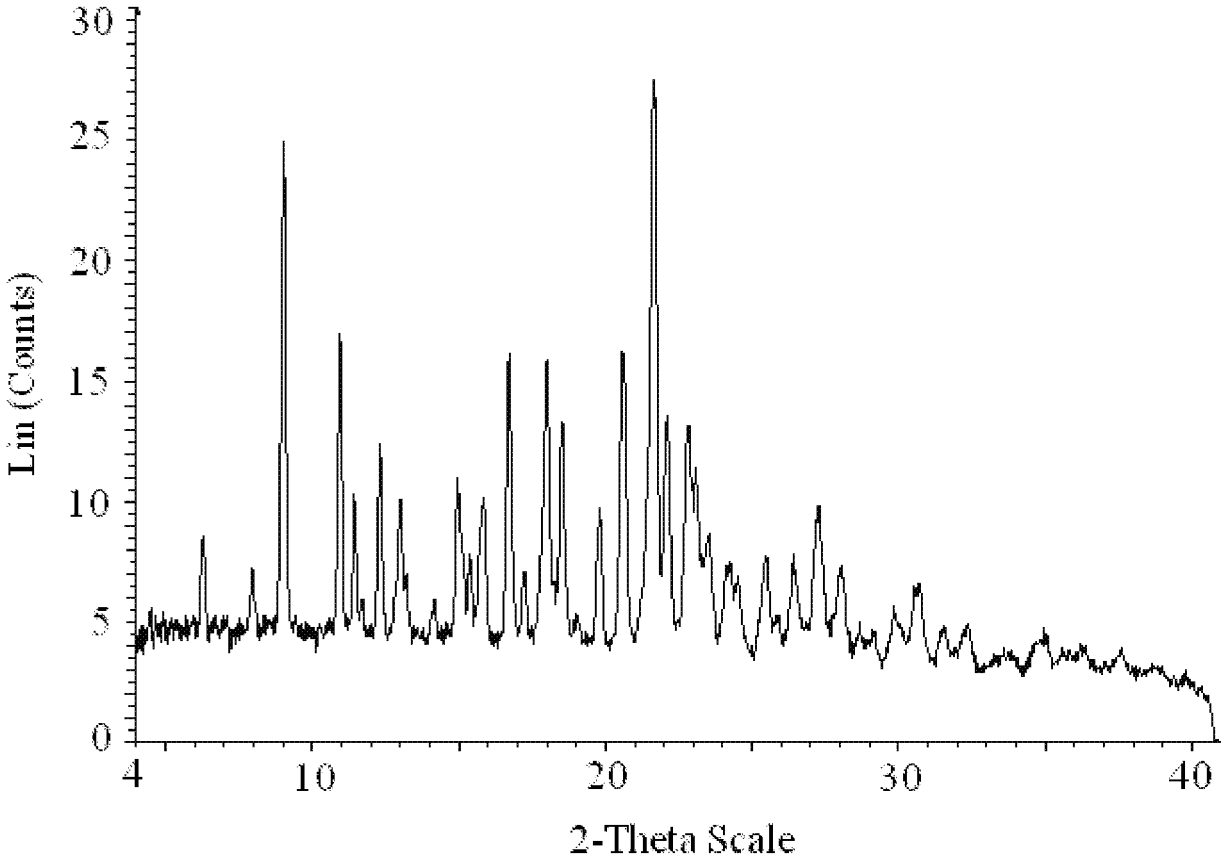


Figure 9

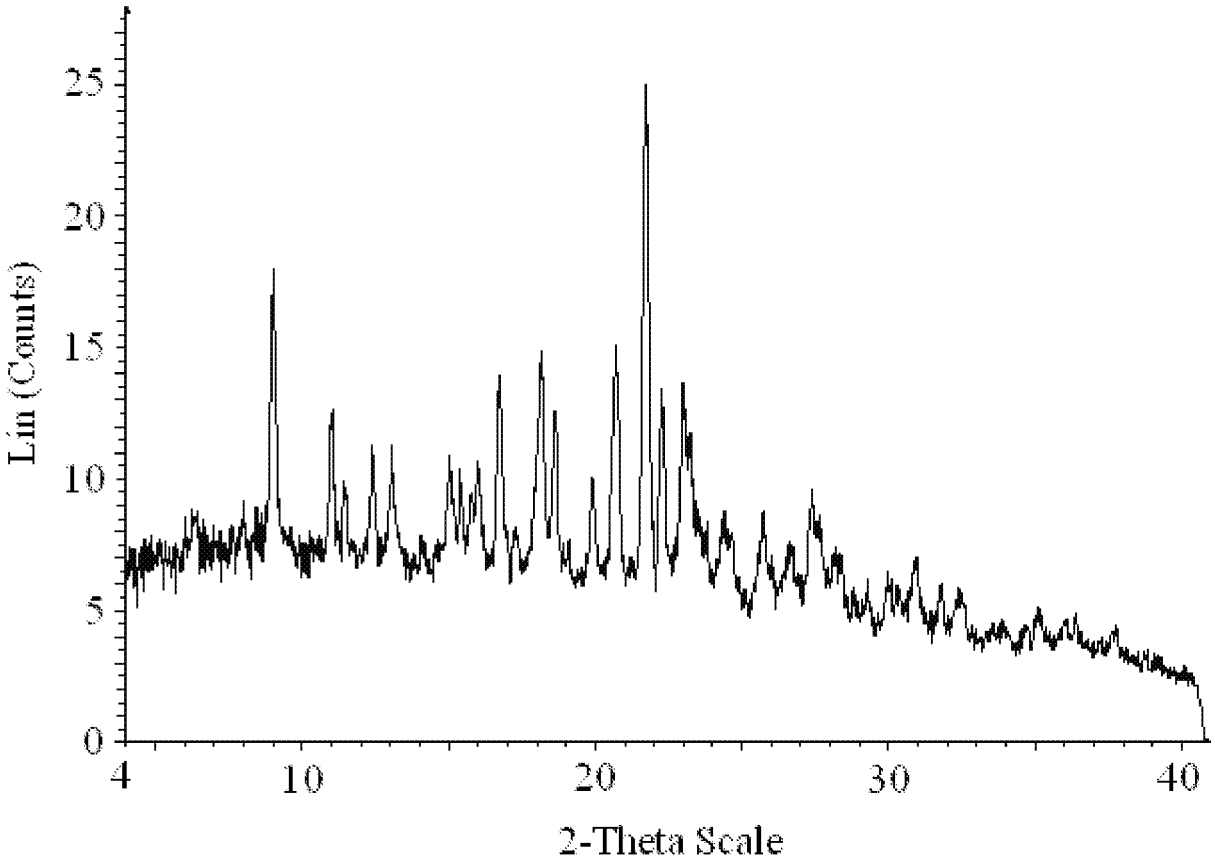


Figure 10

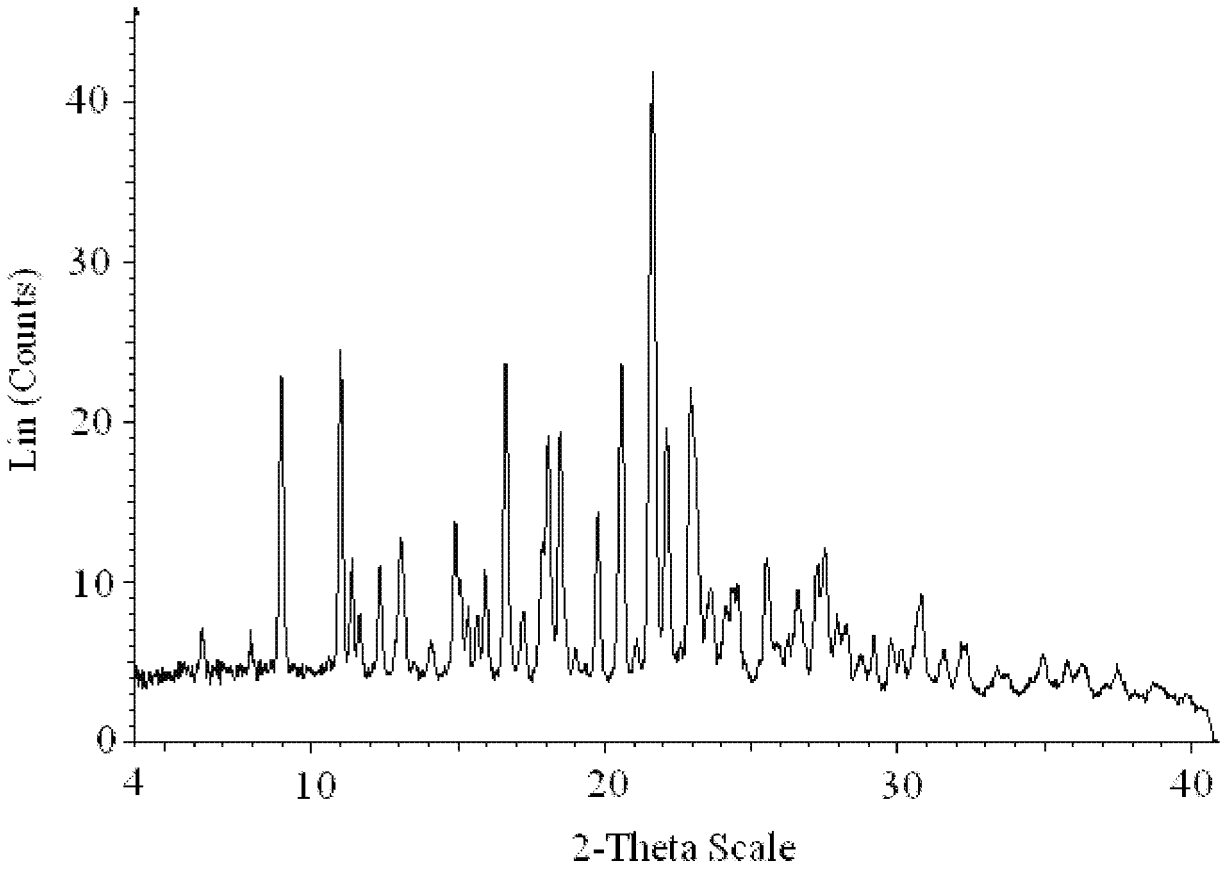


Figure 11

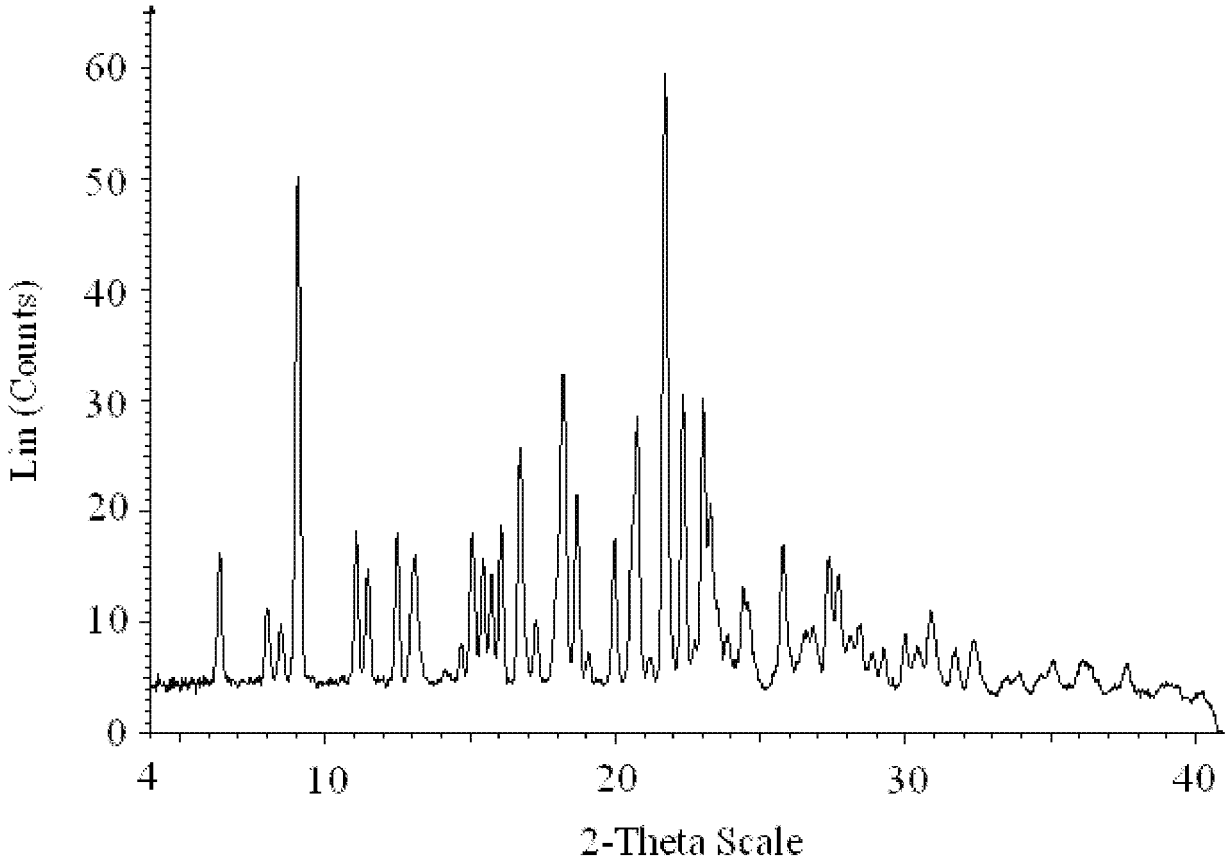


Figure 12

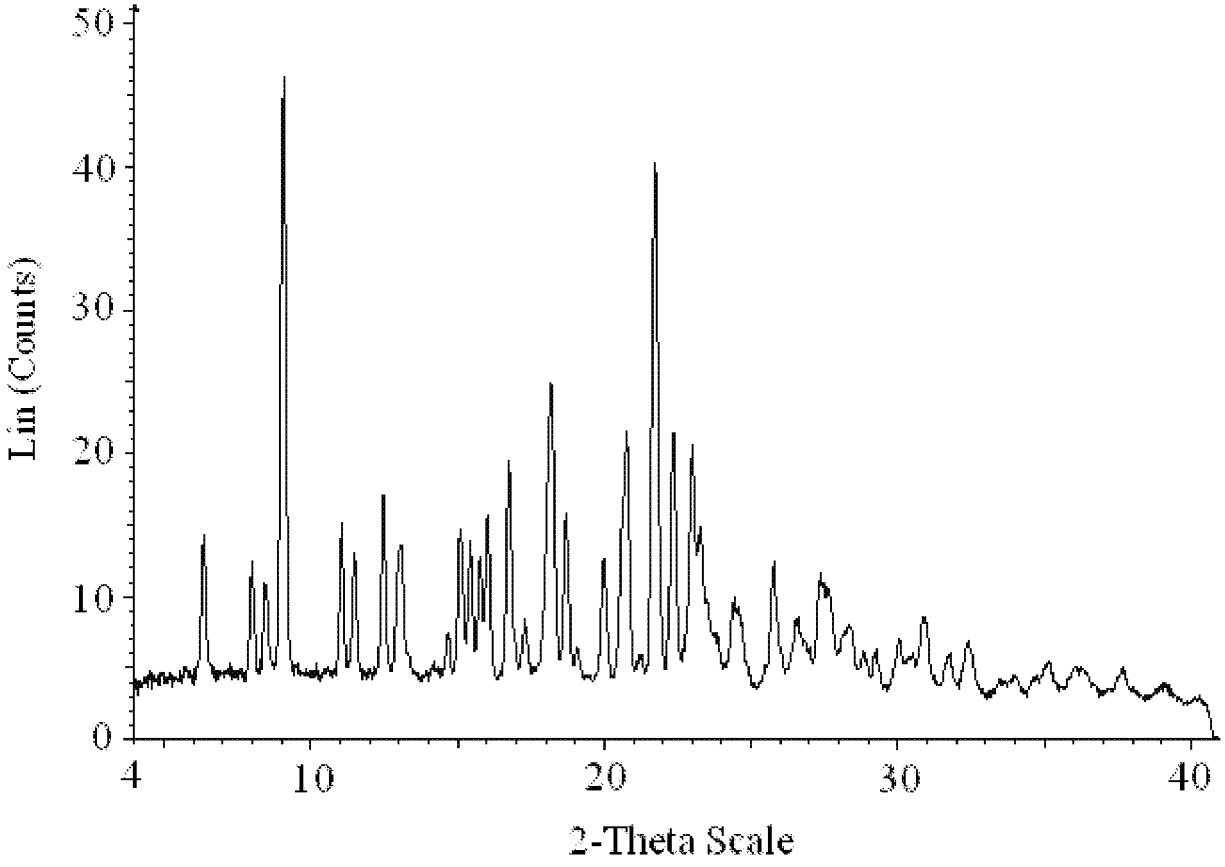


Figure 13

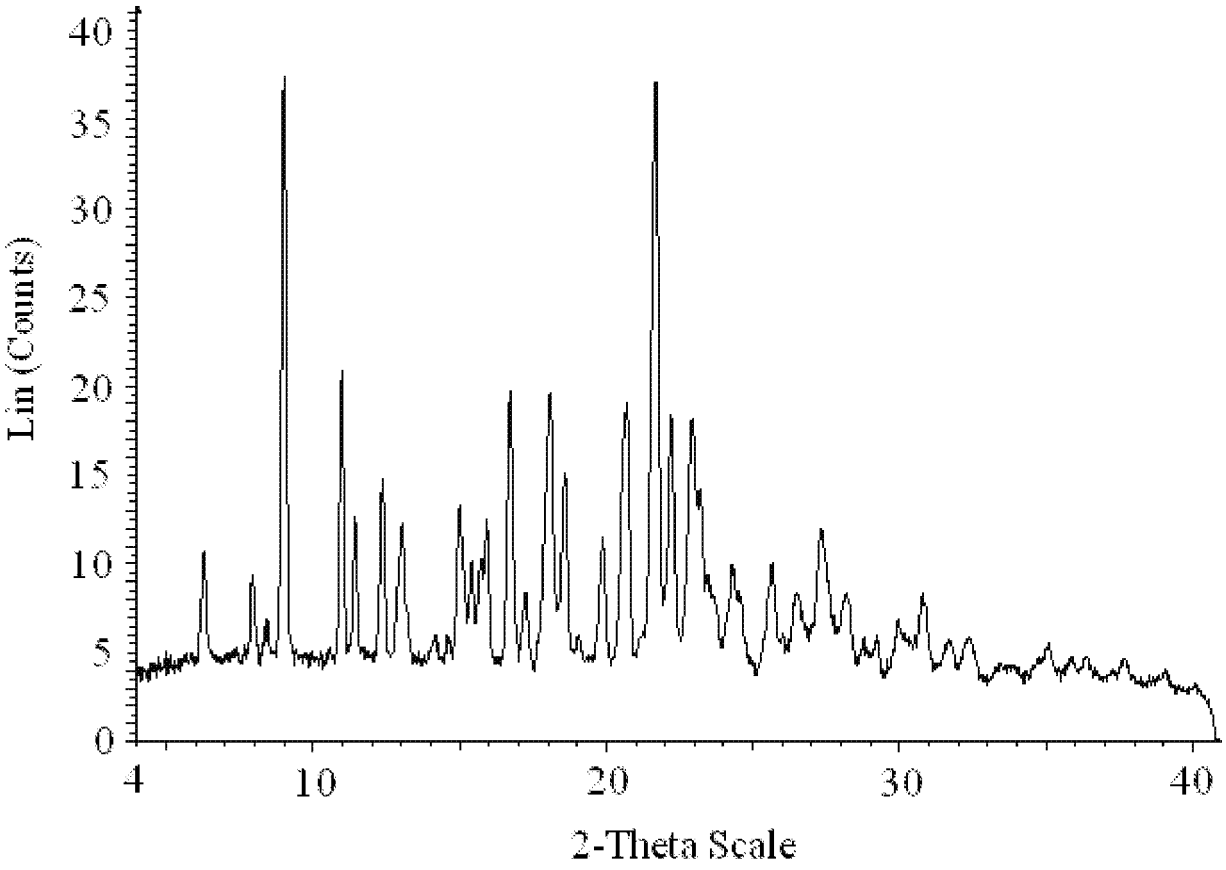


Figure 14

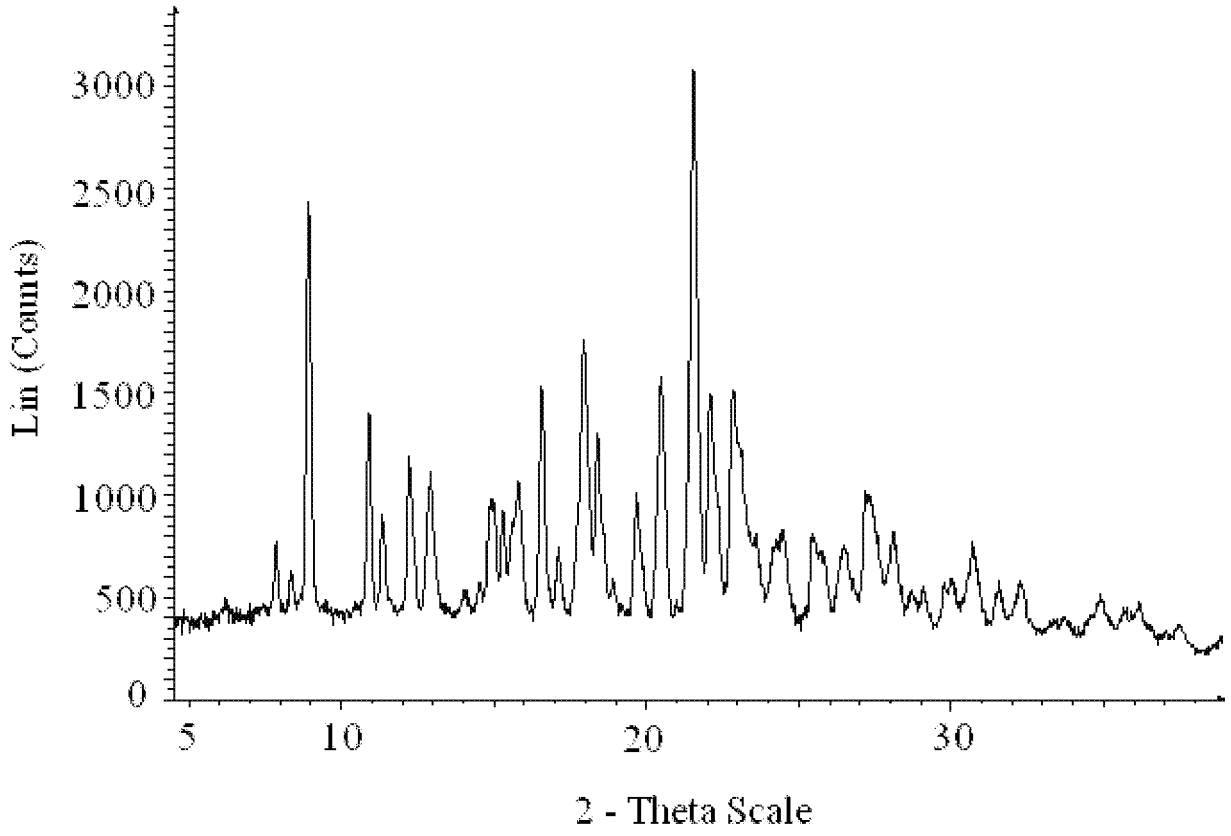

Lin (Counts)
3000
2500
2000
1500
1000
500
0
5
10
20
30
2 - Theta Scale

Figure 15

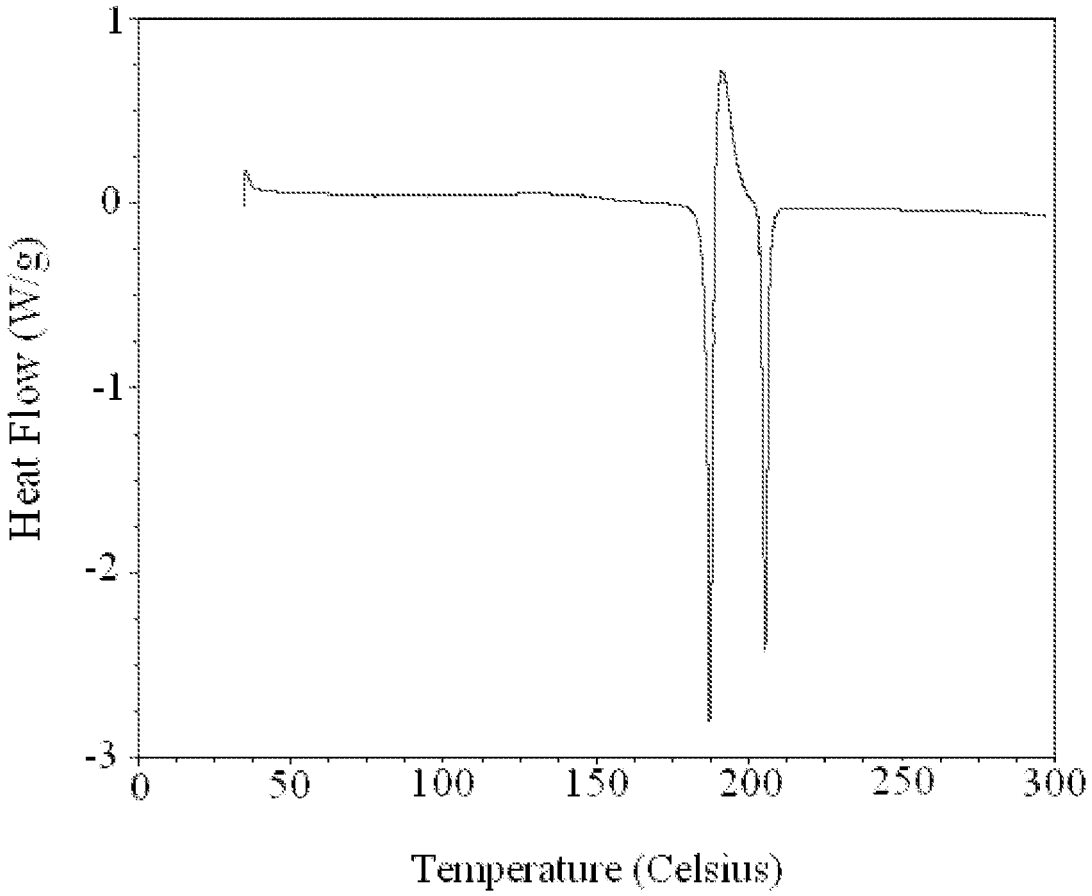

1
0
-1
-2
-3
Heat Flow (W/g)
0
50
100
150
200
250
300
Temperature (Celsius)

Figure 16

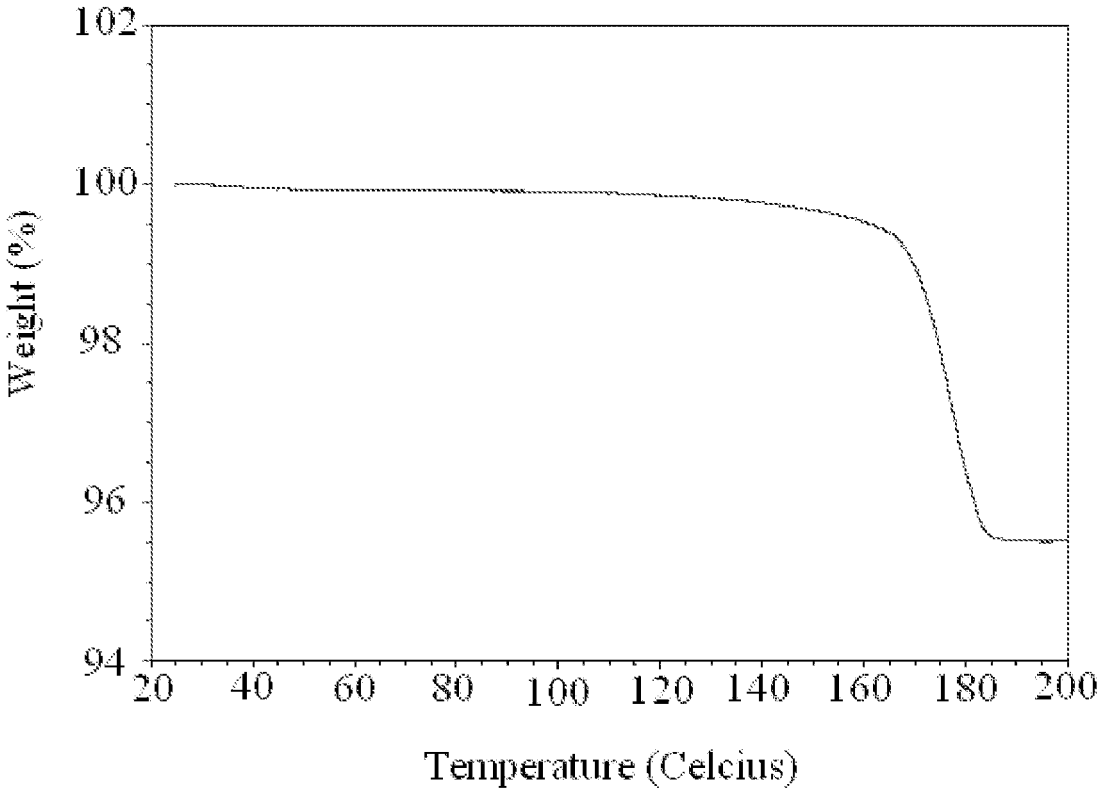

102
100
98
96
94
Weight (%)
20
40
60
80
100
120
140
160
180
200
Temperature (Celcius)

Figure 17

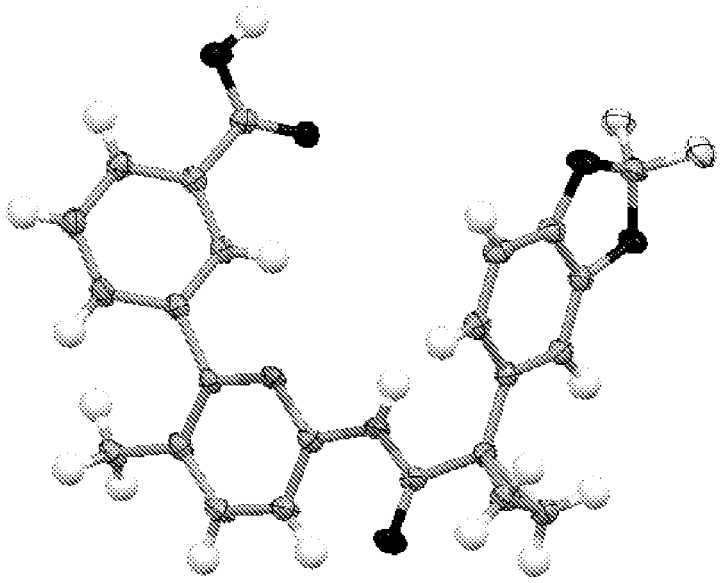


Figure 18

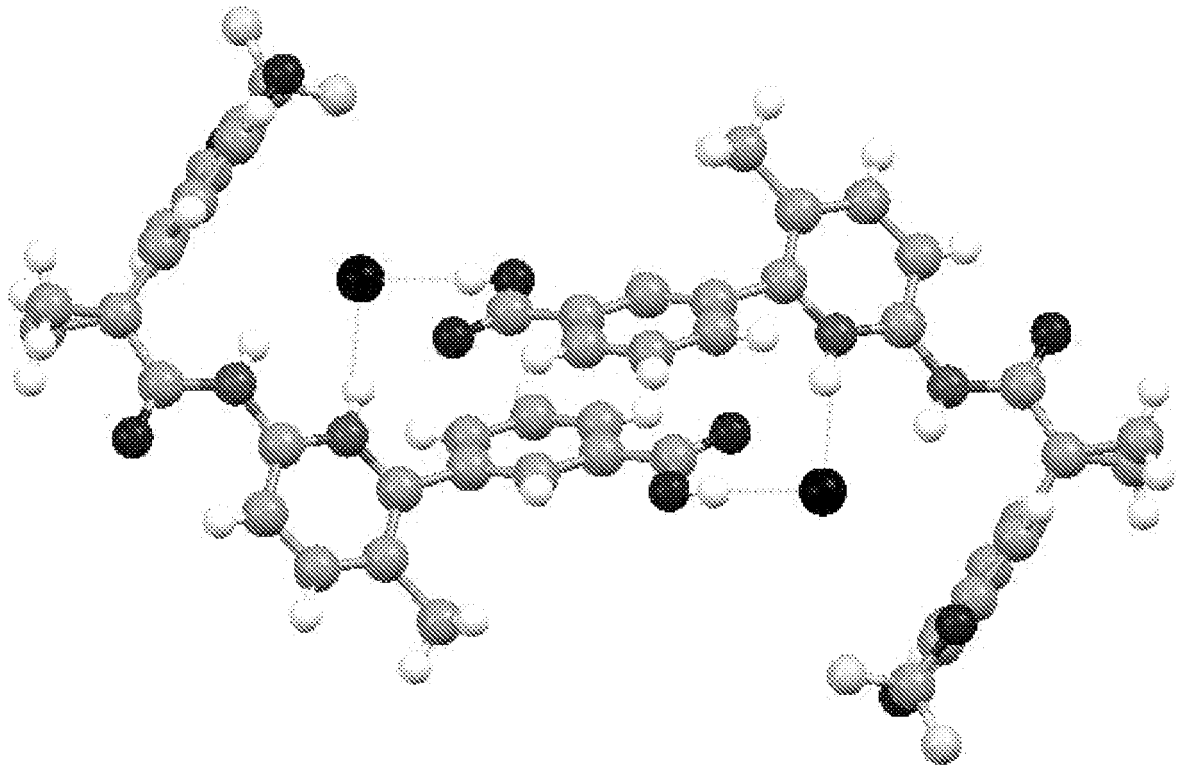


Figure 19

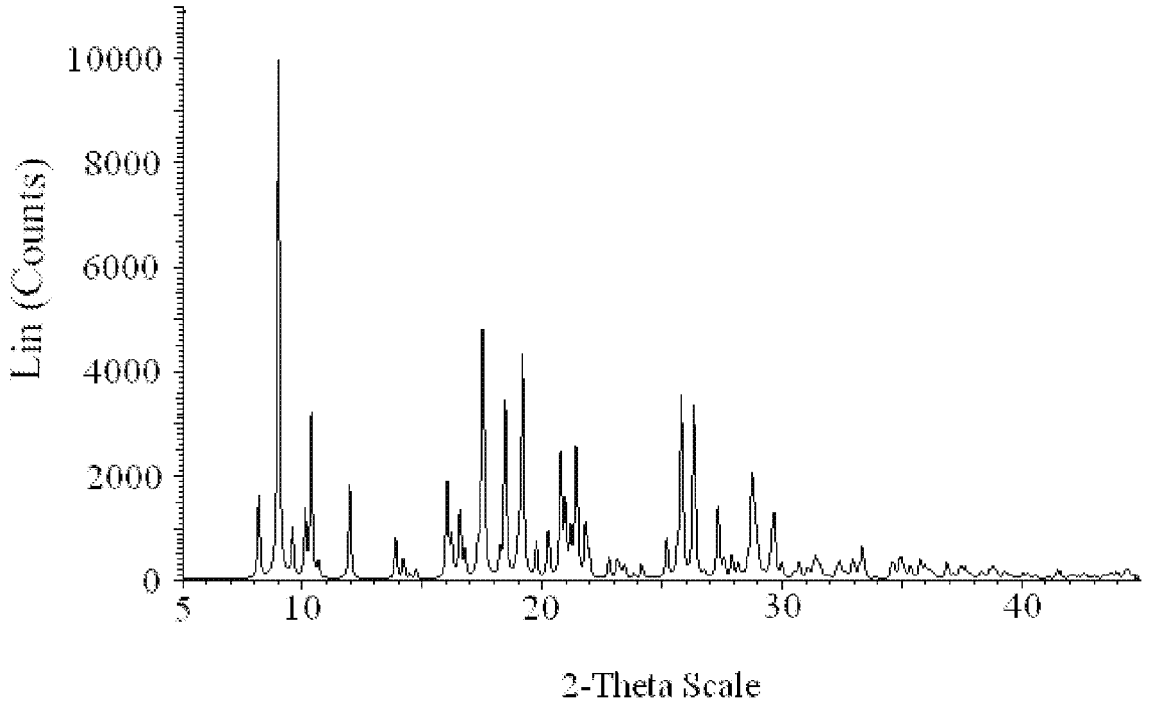

Lin (Counts)
10000
8000
6000
4000
2000
0
5
10
20
30
40
2-Theta Scale

Figure 20

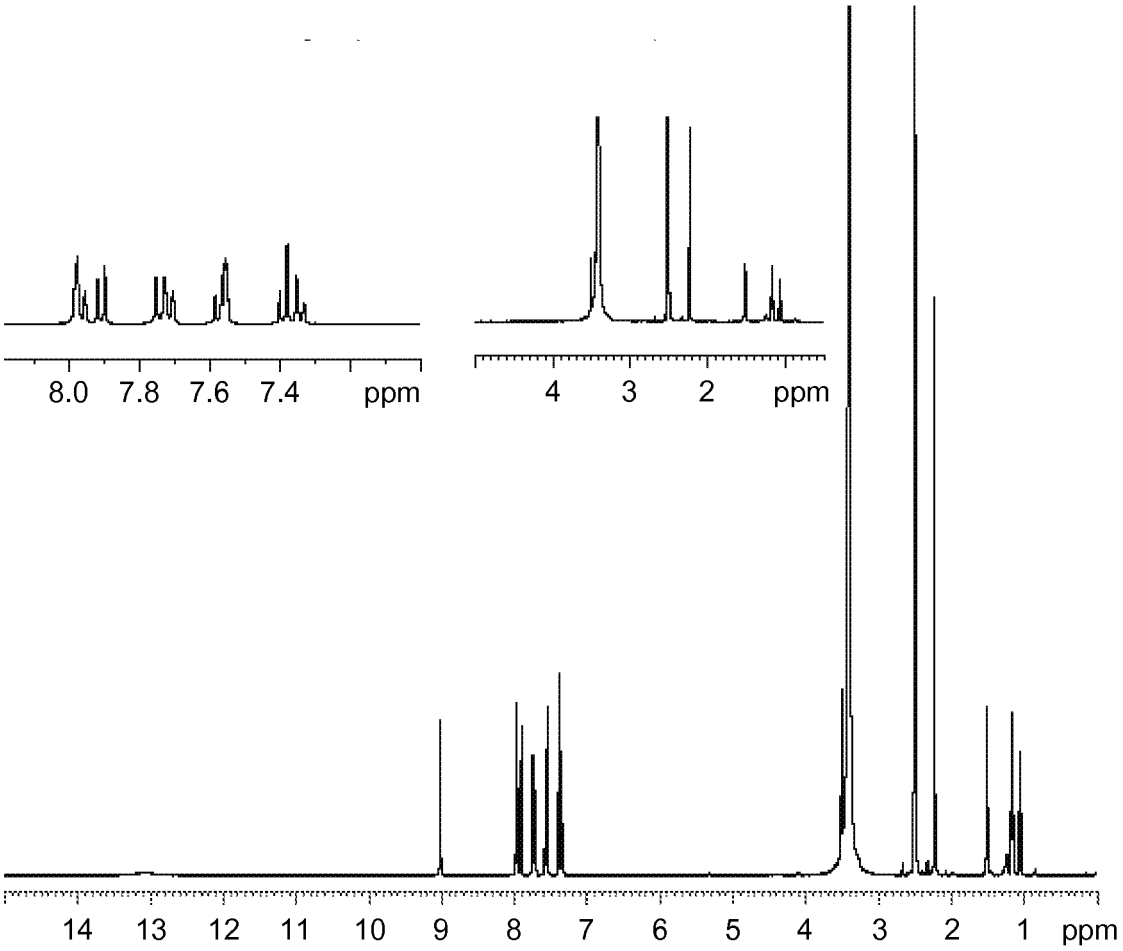


Figure 21

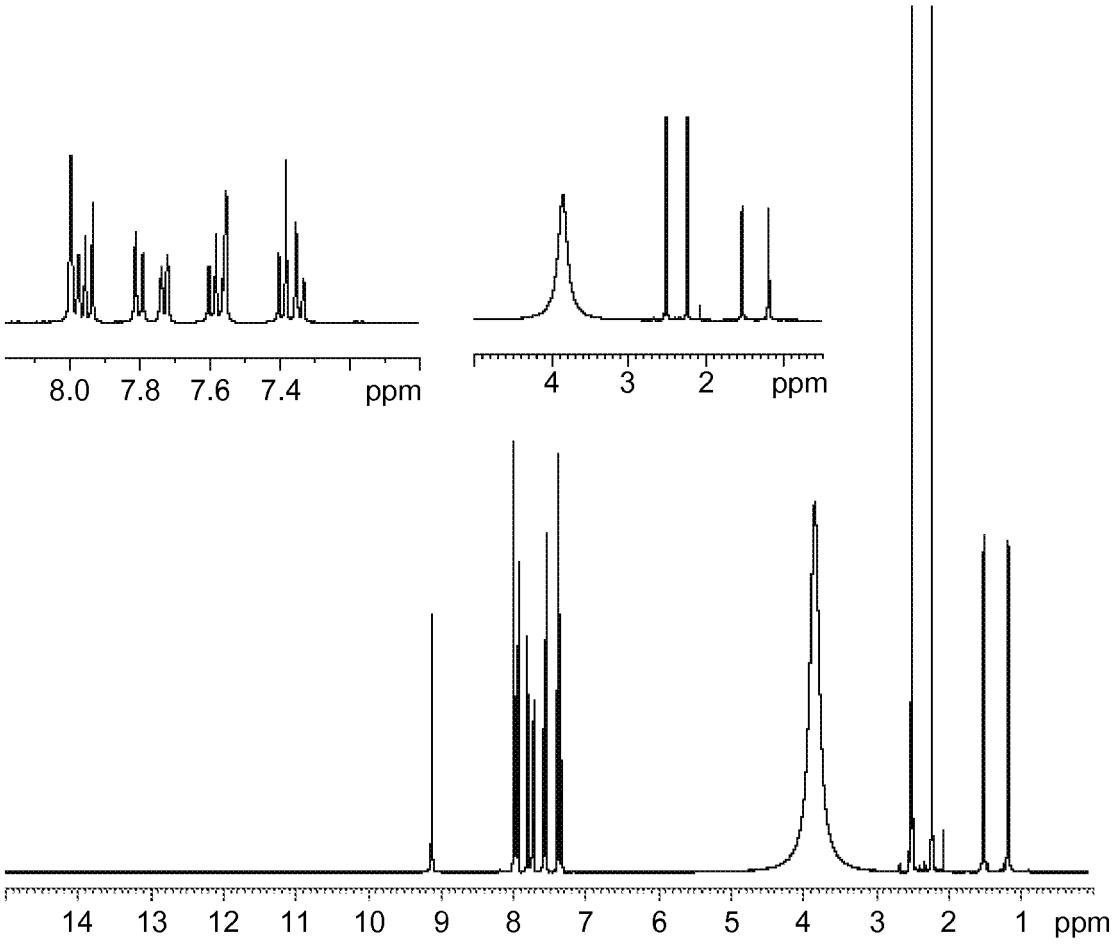


Figure 22

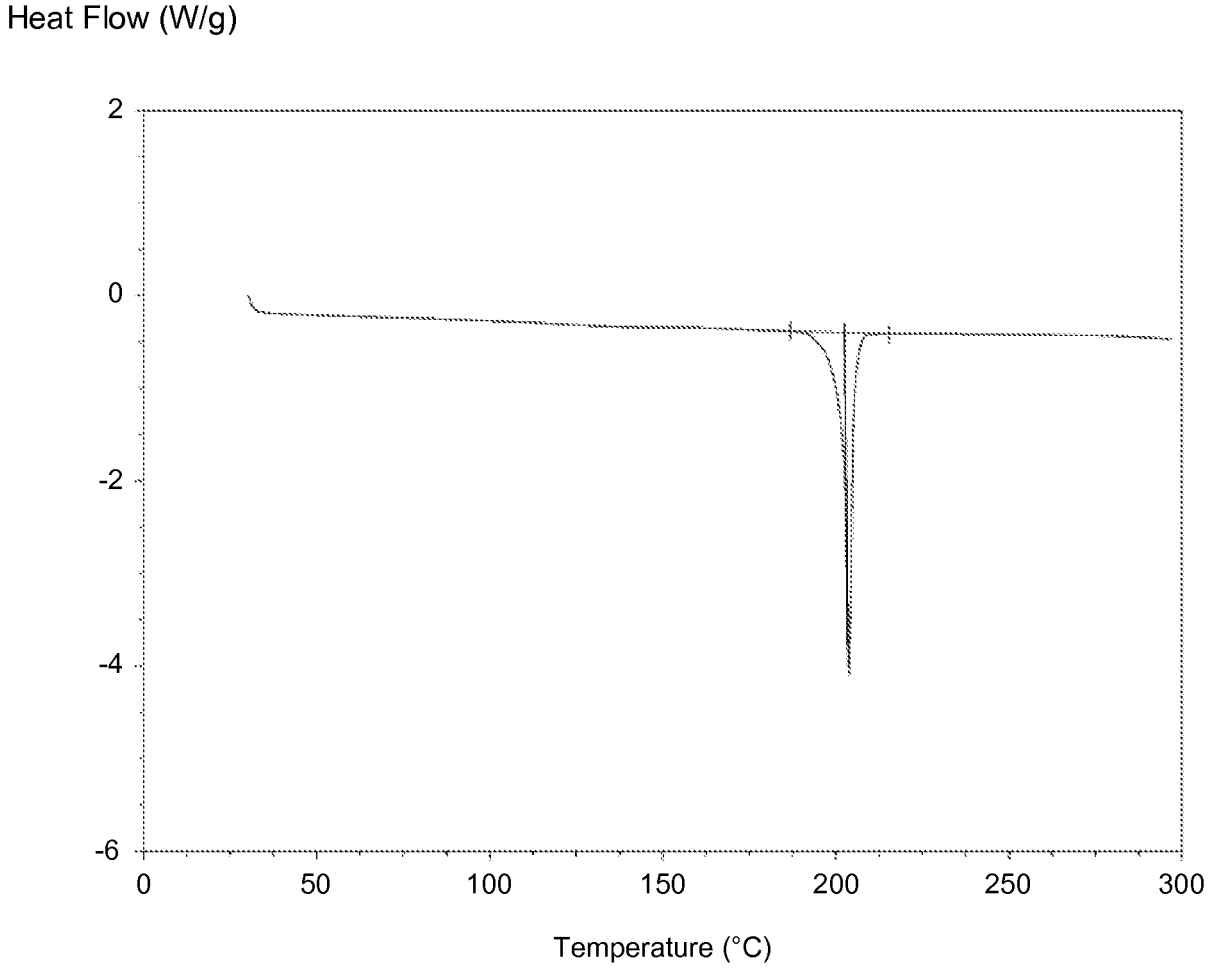


Figure 23

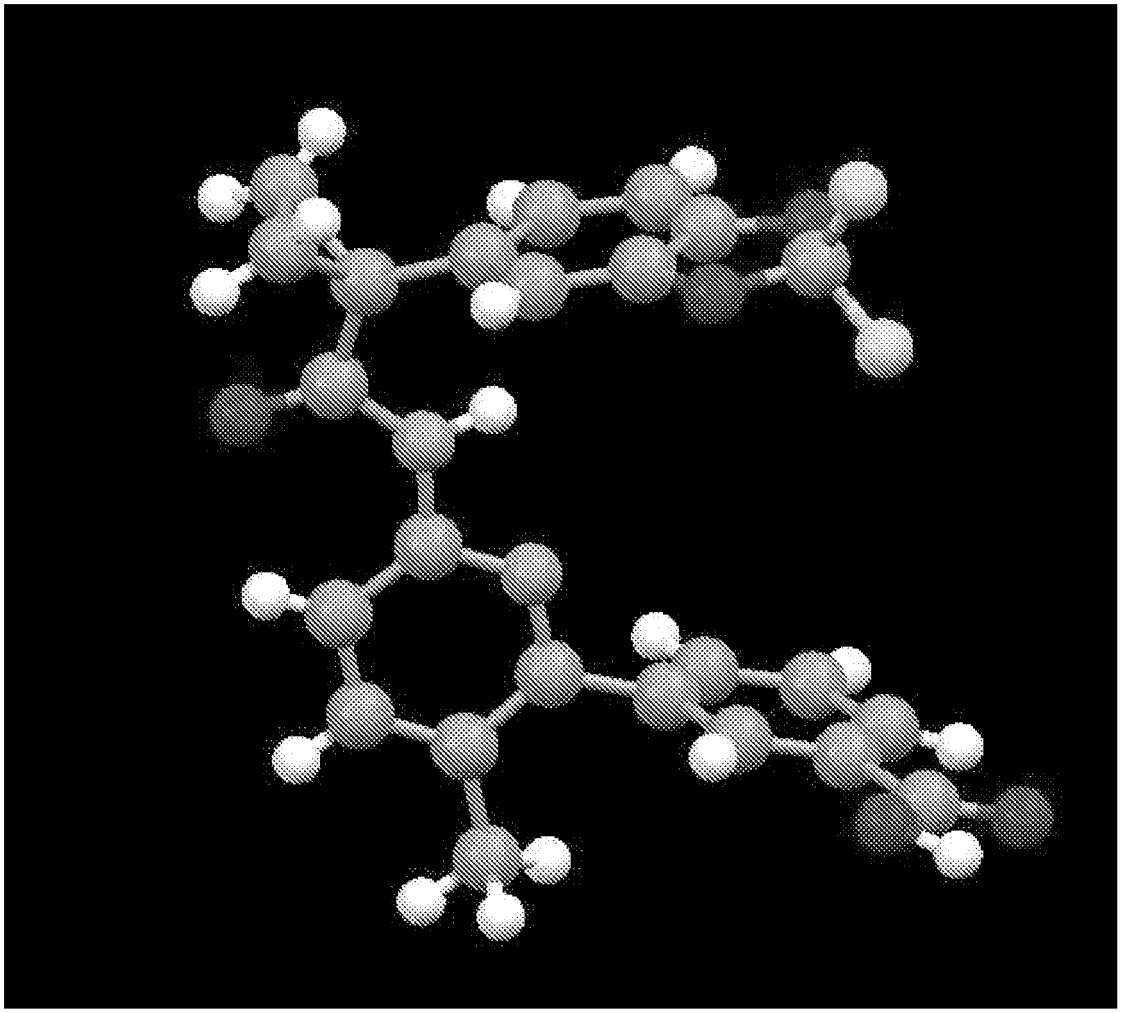


Figure 24

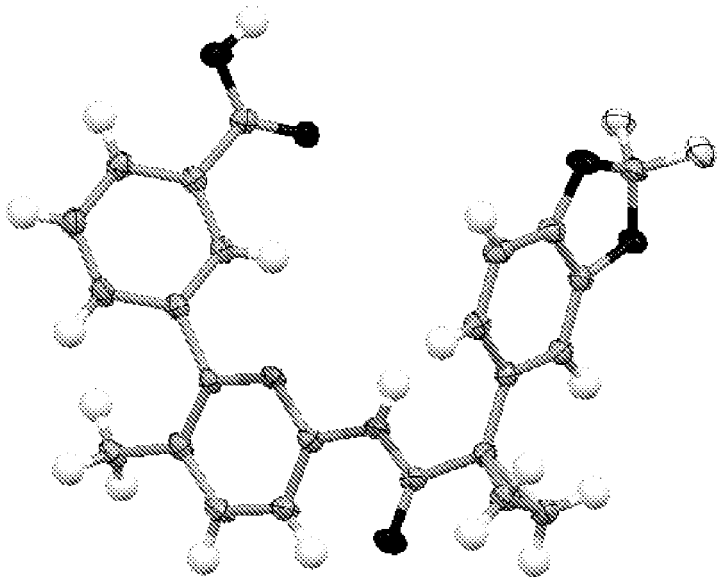


Figure 25

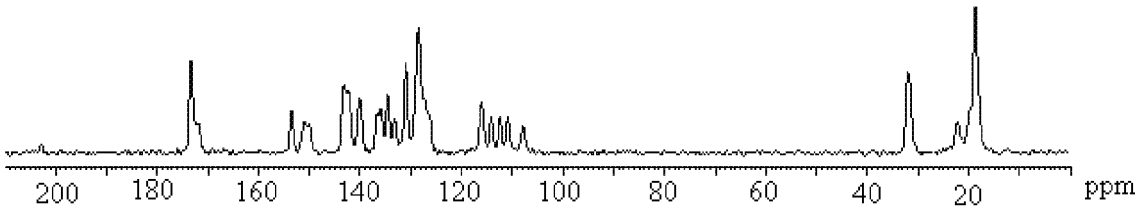


Figure 26

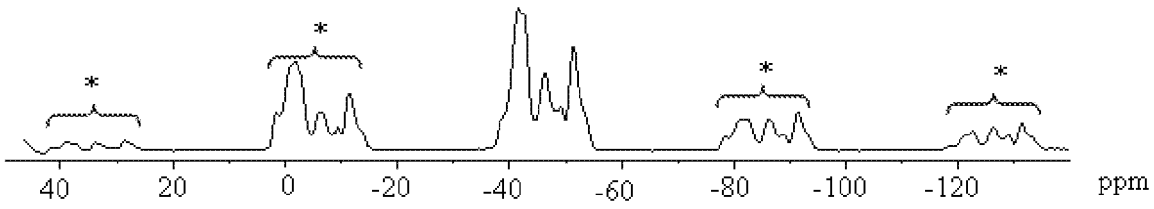


Figure 27

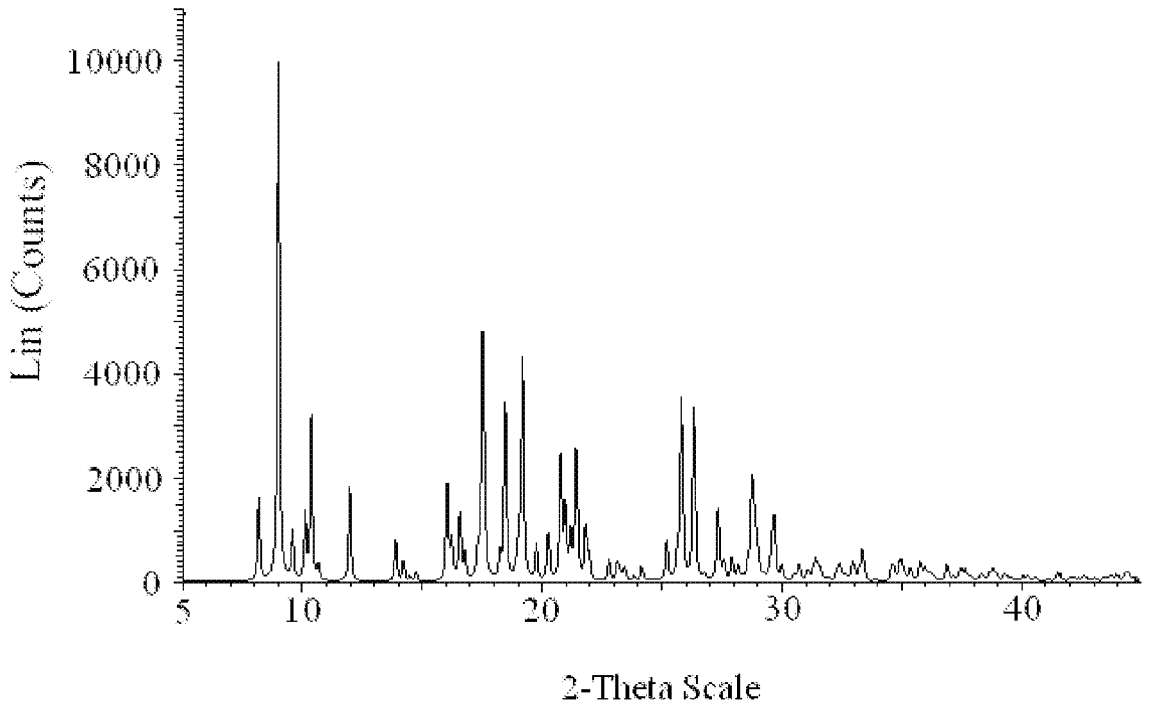
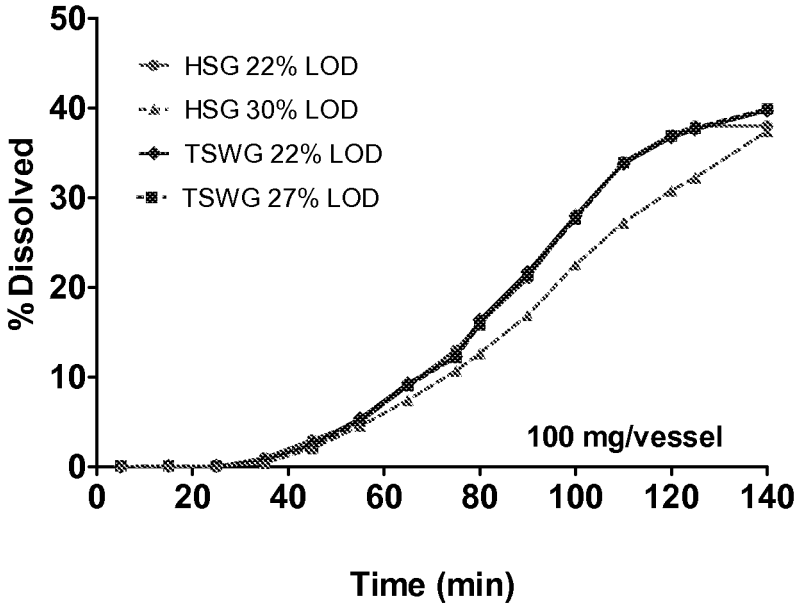

10000
8000
6000
4000
2000
0
Lin (Counts)
5
10
20
30
40
2-Theta Scale

Figure 28


50
40
30
20
10
0
% Dissolved
HSG 22% LOD
HSG 30% LOD
TSWG 22% LOD
TSWG 27% LOD
100 mg/vessel
0
20
40
60
80
100
120
140
Time (min)