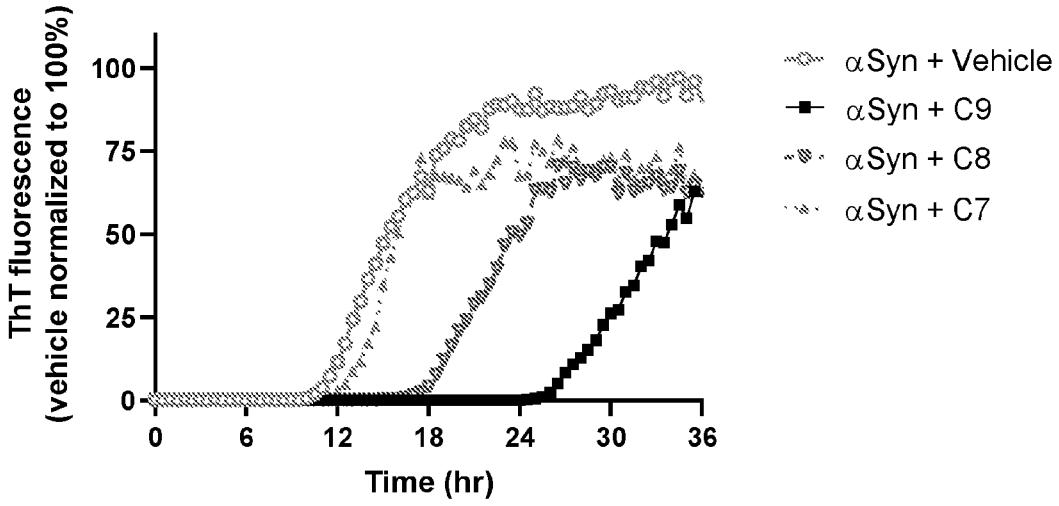

ThT fluorescence
(vehicle normalized to 100%)
100
75
50
25
0
0
6
12
18
24
30
36
Time (hr)
αSyn + Vehicle
αSyn + C9
αSyn + C8
αSyn + C7

Figure 1A

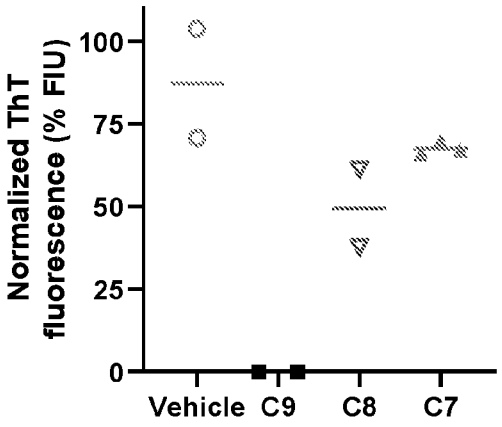

Normalized ThT fluorescence (% FIU)
100
75
50
25
0
Vehicle
C9
C8
C7

Figure 1B

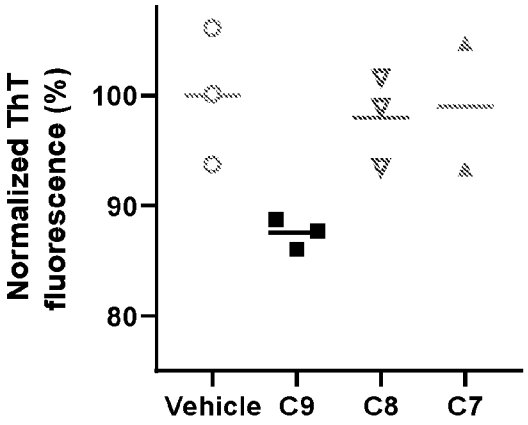


Figure 2

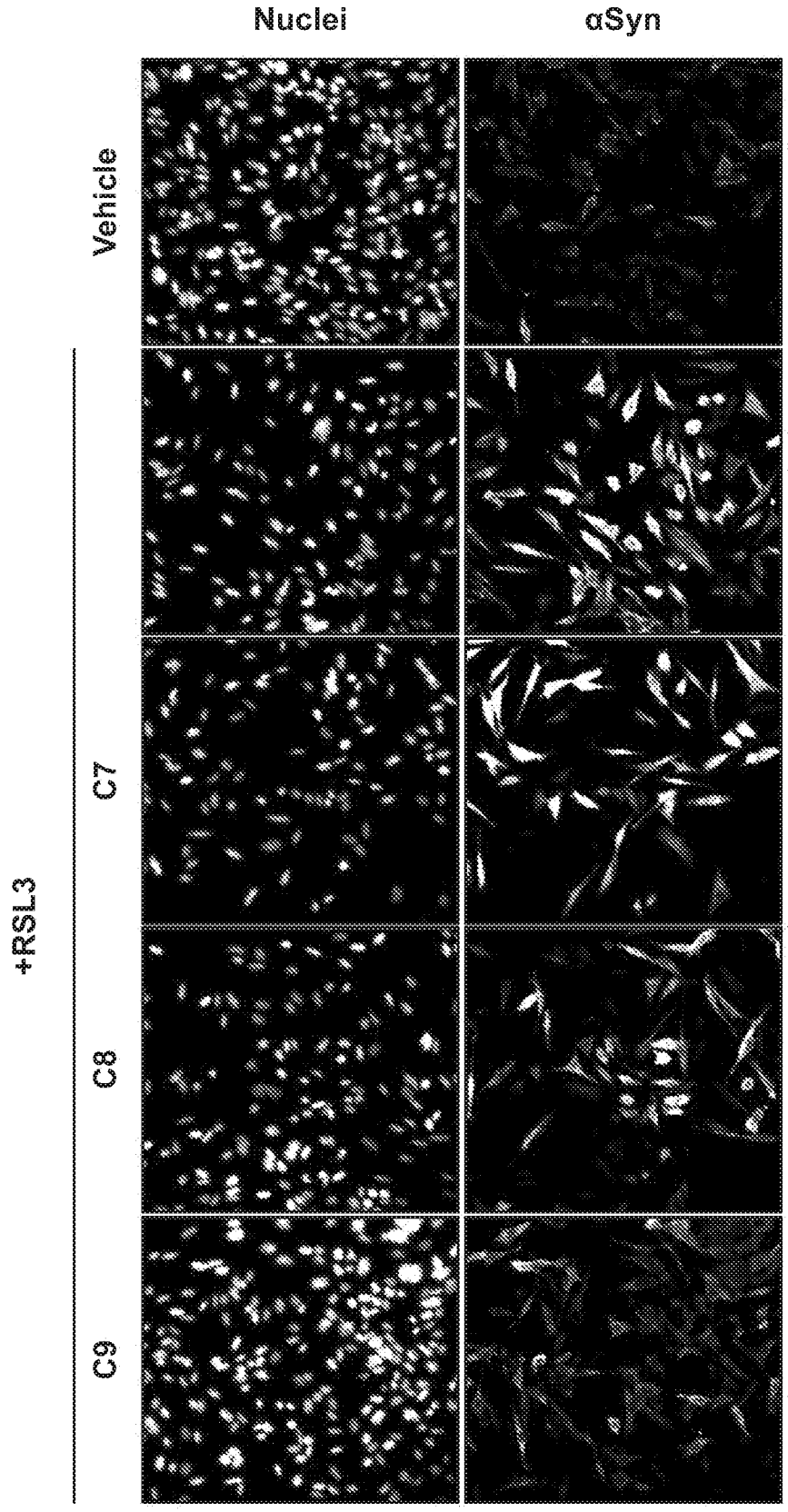


FIG. 3A

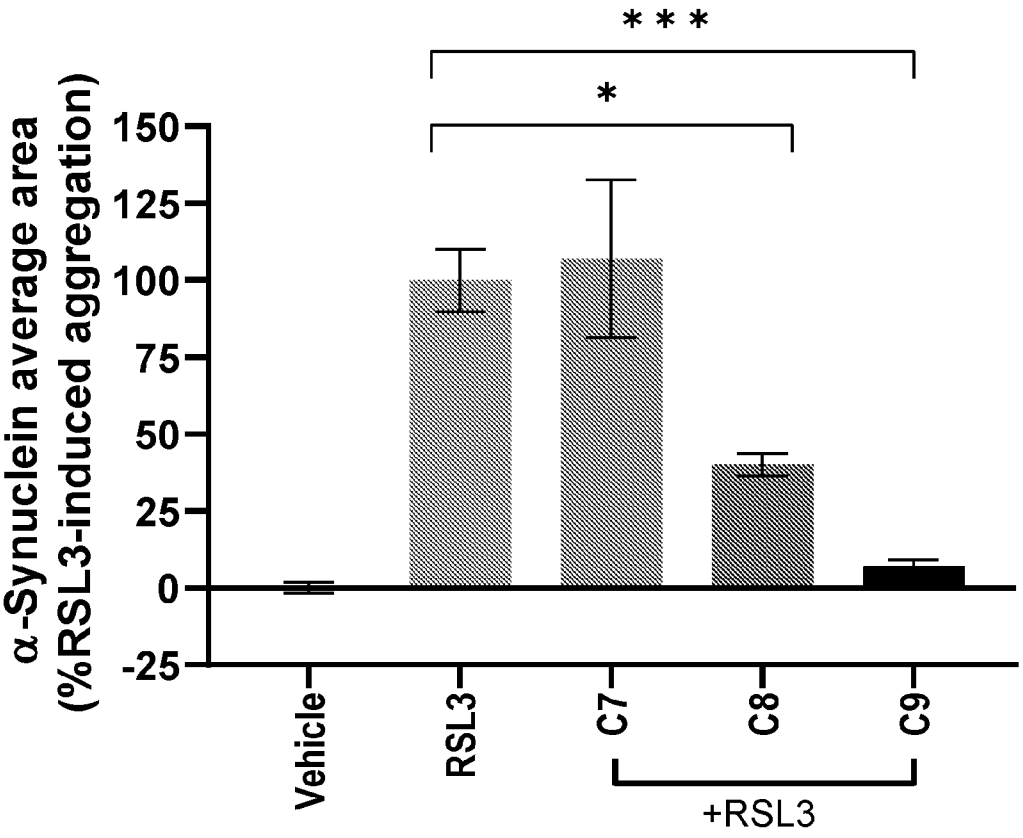

α-Synuclein average area
(%RSL3-induced aggregation)
150
125
100
75
50
25
0
-25
* * *
*
Vehicle
RSL3
C7
C8
C9
+RSL3

Figure 3B

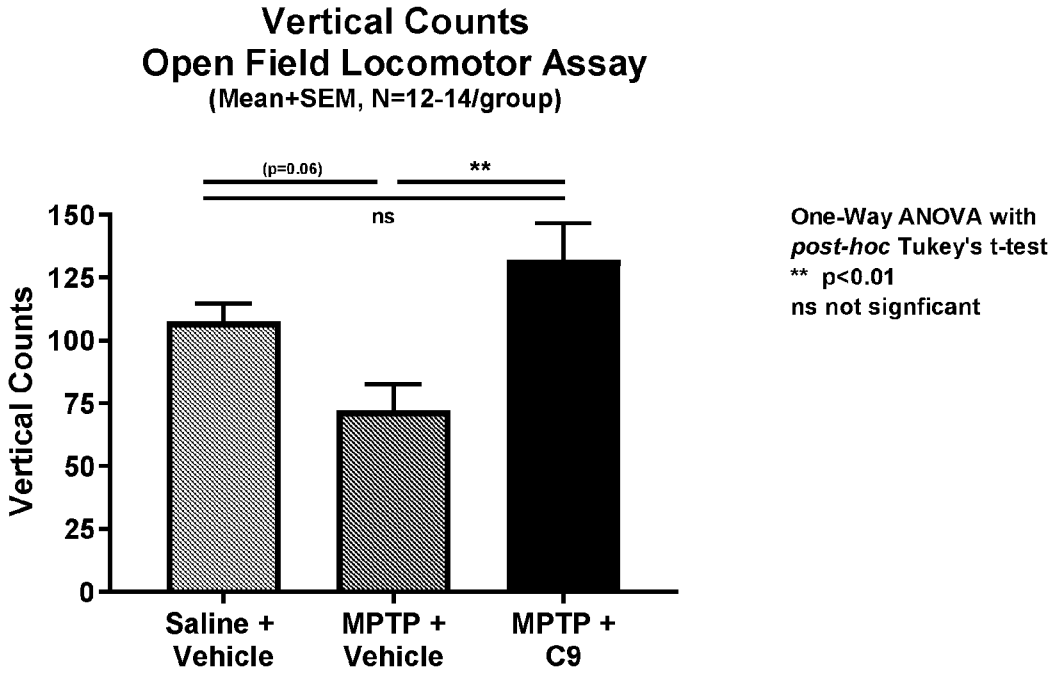

Vertical Counts
Open Field Locomotor Assay
(Mean+SEM, N=12-14/group)
(p=0.06)
**
ns
Vertical Counts
150
125
100
75
50
25
0
Saline + Vehicle
MPTP + Vehicle
MPTP + C9
One-Way ANOVA with post-hoc Tukey's t-test
** p<0.01
ns not signficant

Figure 4A

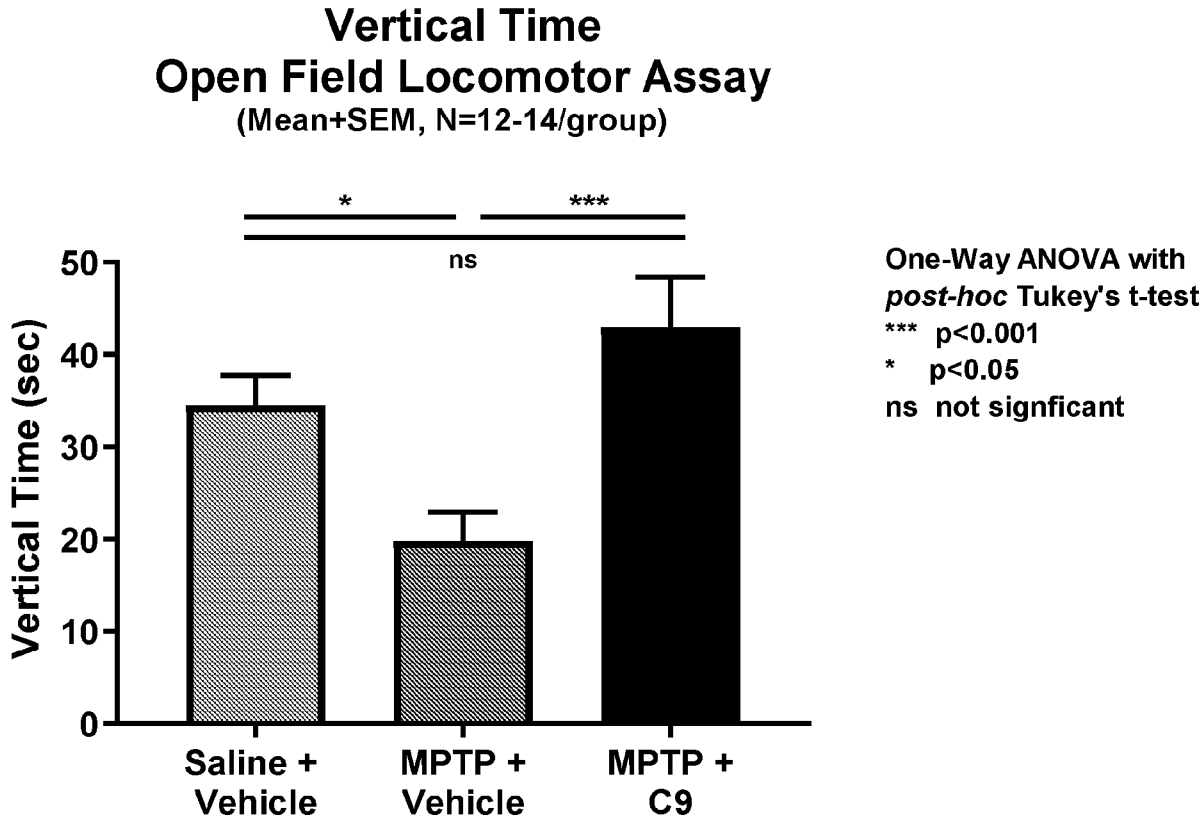

Vertical Time
Open Field Locomotor Assay
(Mean+SEM, N=12-14/group)
*
***
ns
Vertical Time (sec)
50
40
30
20
10
0
Saline + Vehicle
MPTP + Vehicle
MPTP + C9
One-Way ANOVA with
post-hoc Tukey's t-test
*** p<0.001
* p<0.05
ns not signficant

Figure 4B

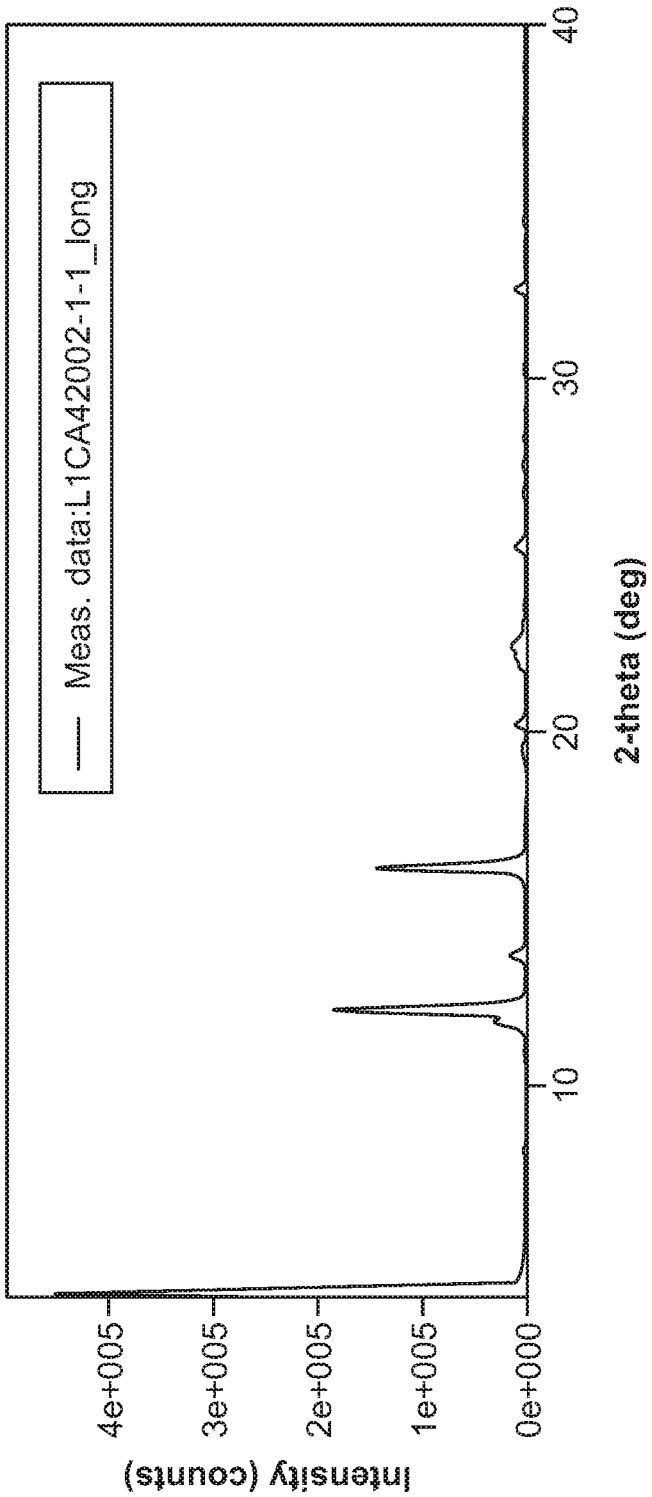

Meas. data:L1CA42002-1-1_long
Intensity (counts)
4e+005
3e+005
2e+005
1e+005
0e+000
10
20
30
40
2-theta (deg)

FIG. 5

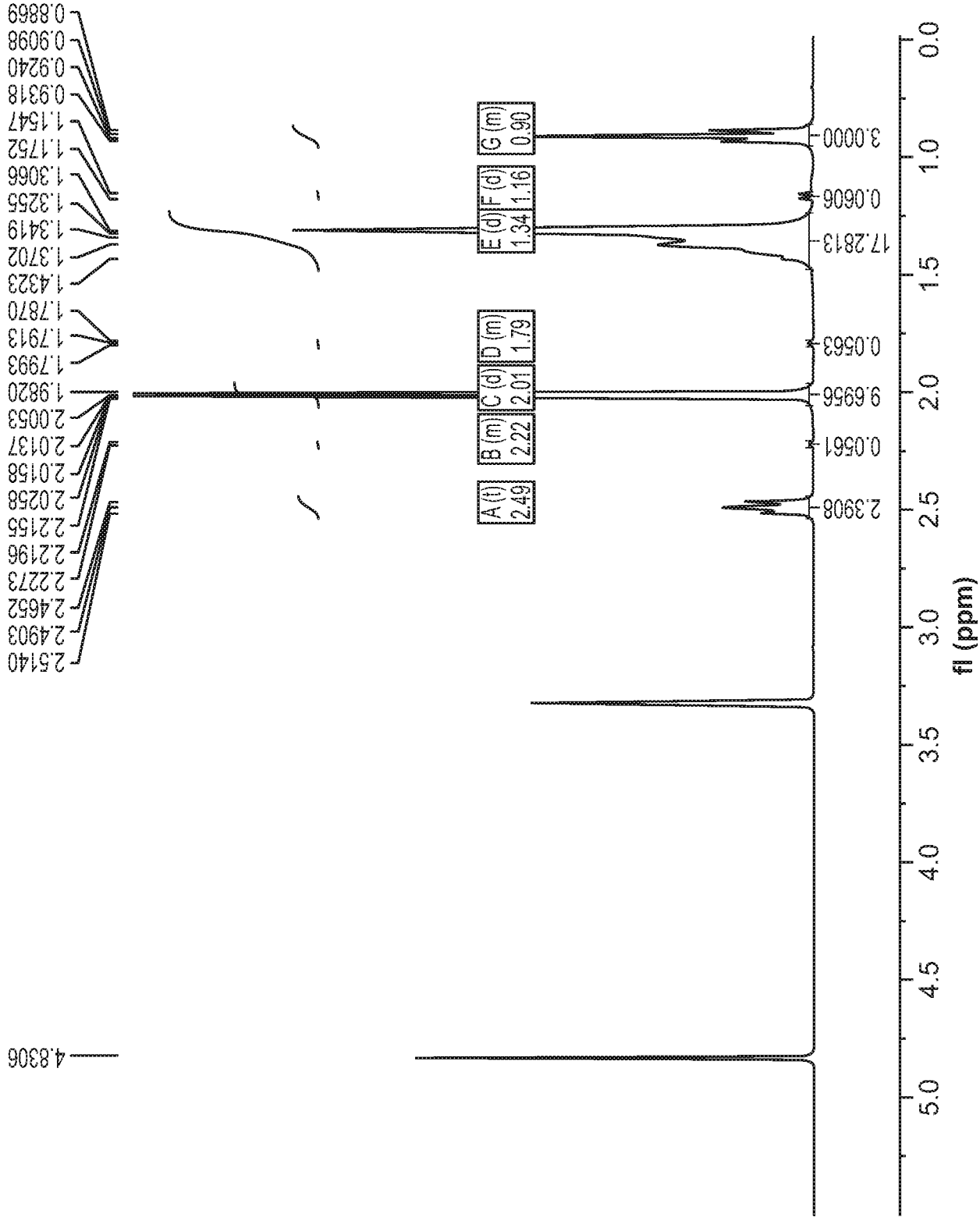

0.8869
0.9098
0.9240
0.9318
1.1547
1.1752
1.3066
1.3255
1.3419
1.3702
1.4323
1.7870
1.7913
1.7993
1.9820
2.0053
2.0137
2.0158
2.0258
2.2155
2.2196
2.2273
2.4652
2.4903
2.5140
4.8306
A (t) 2.49
B (m) 2.22
C (d) 2.01
D (m) 1.79
E (d) 1.34
F (d) 1.16
G (m) 0.90
3.0000
0.0606
17.2813
0.0563
9.6956
0.0561
2.3908
0.0
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
f1 (ppm)

FIG. 6

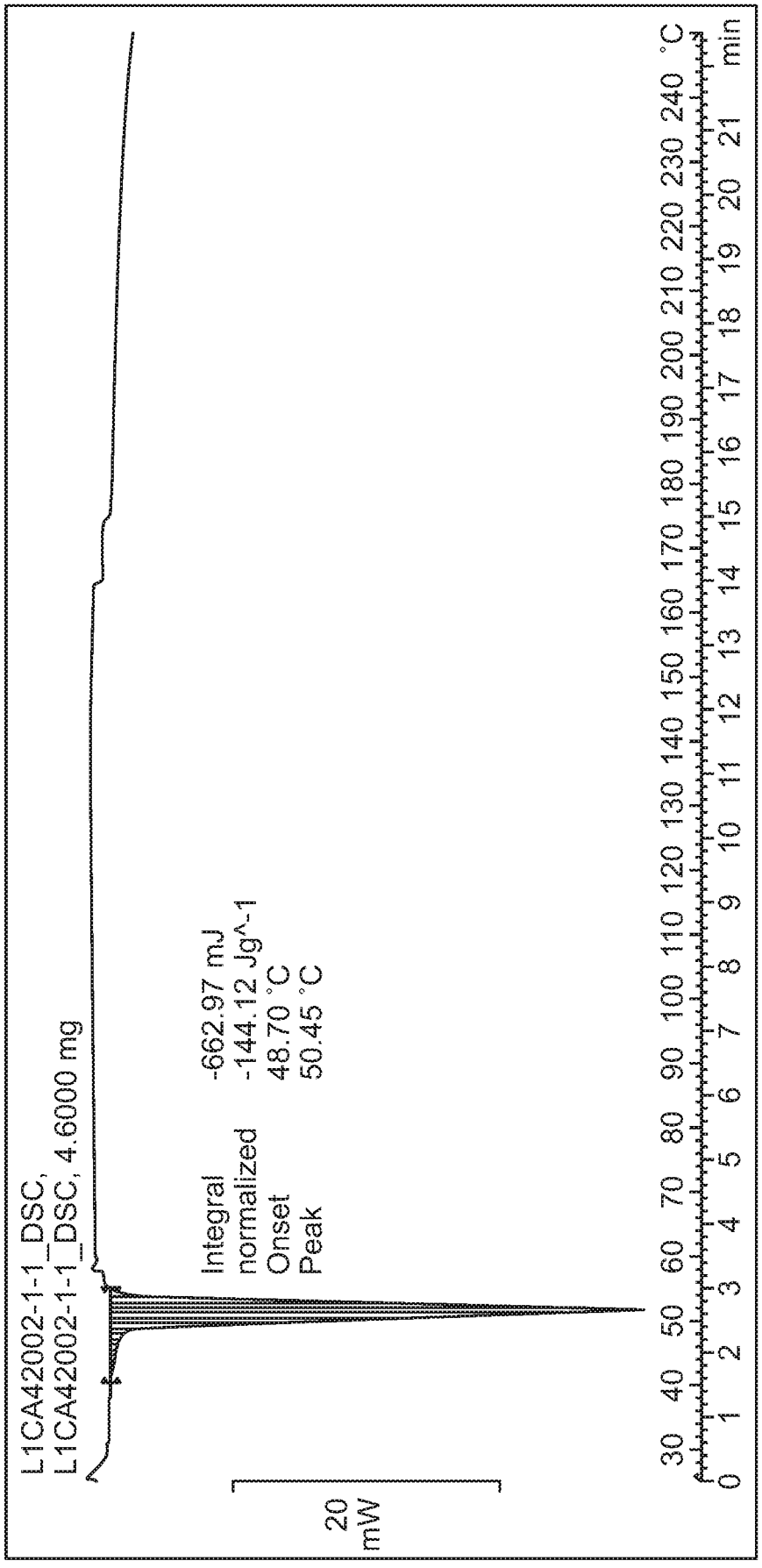

L1CA42002-1-1_DSC
L1CA42002-1-1_DSC,
L1CA42002-1-1_DSC, 4.6000 mg
Integral -662.97 mJ
normalized -144.12 Jg^-1
Onset 48.70 °C
Peak 50.45 °C
20 mW
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 min
30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 °C
Solid State Pharma Inc.: SSPI
STAR SW 16.00

FIG. 7

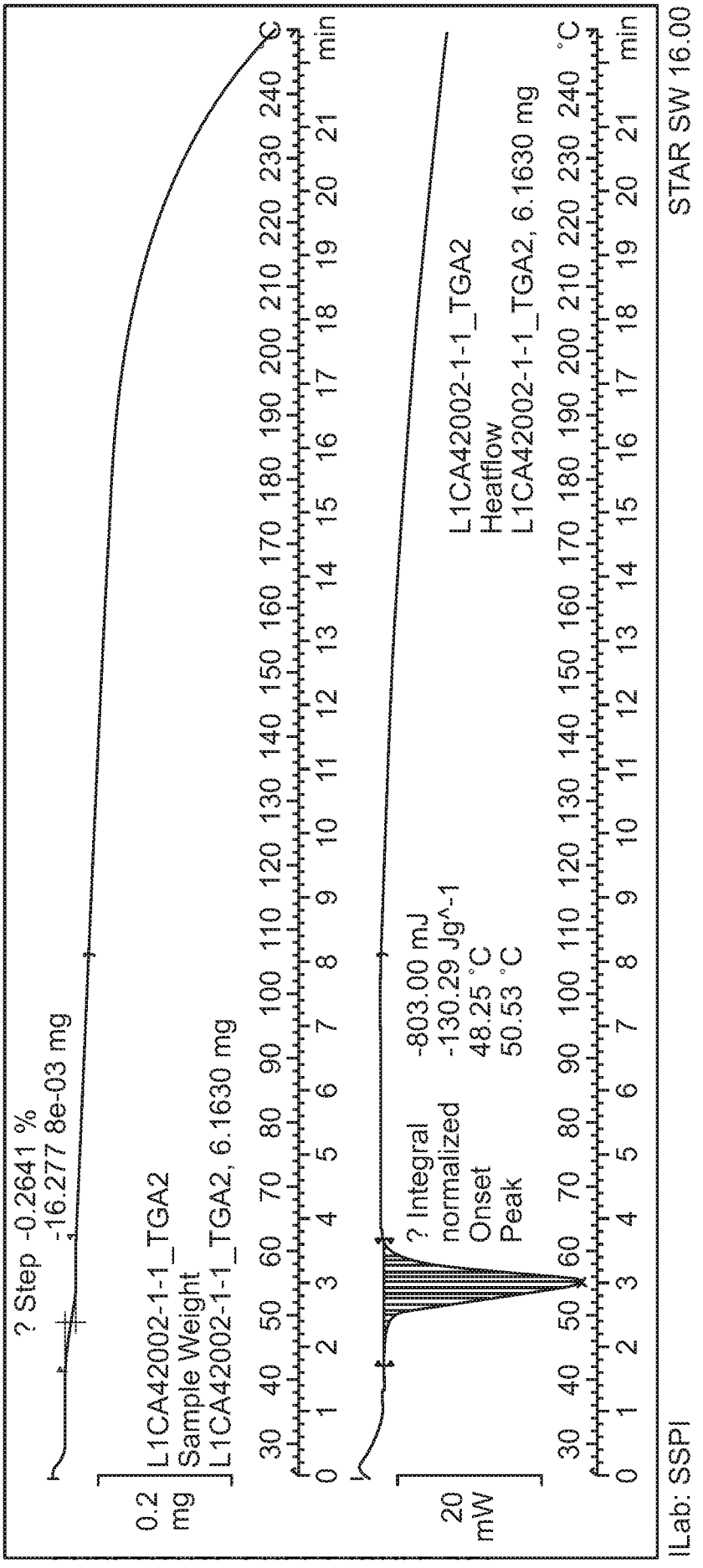

L1CA42002-1-1_TGA2
? Step -0.2641 %
-16.277 8e-03 mg
L1CA42002-1-1_TGA2
Sample Weight
L1CA42002-1-1_TGA2, 6.1630 mg
0.2 mg
? Integral -803.00 mJ
normalized -130.29 Jg^-1
Onset 48.25 °C
Peak 50.53 °C
L1CA42002-1-1_TGA2
Heatflow
L1CA42002-1-1_TGA2, 6.1630 mg
20 mW
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 min
30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 °C
lLab: SSPI
STAR SW 16.00

FIG. 8

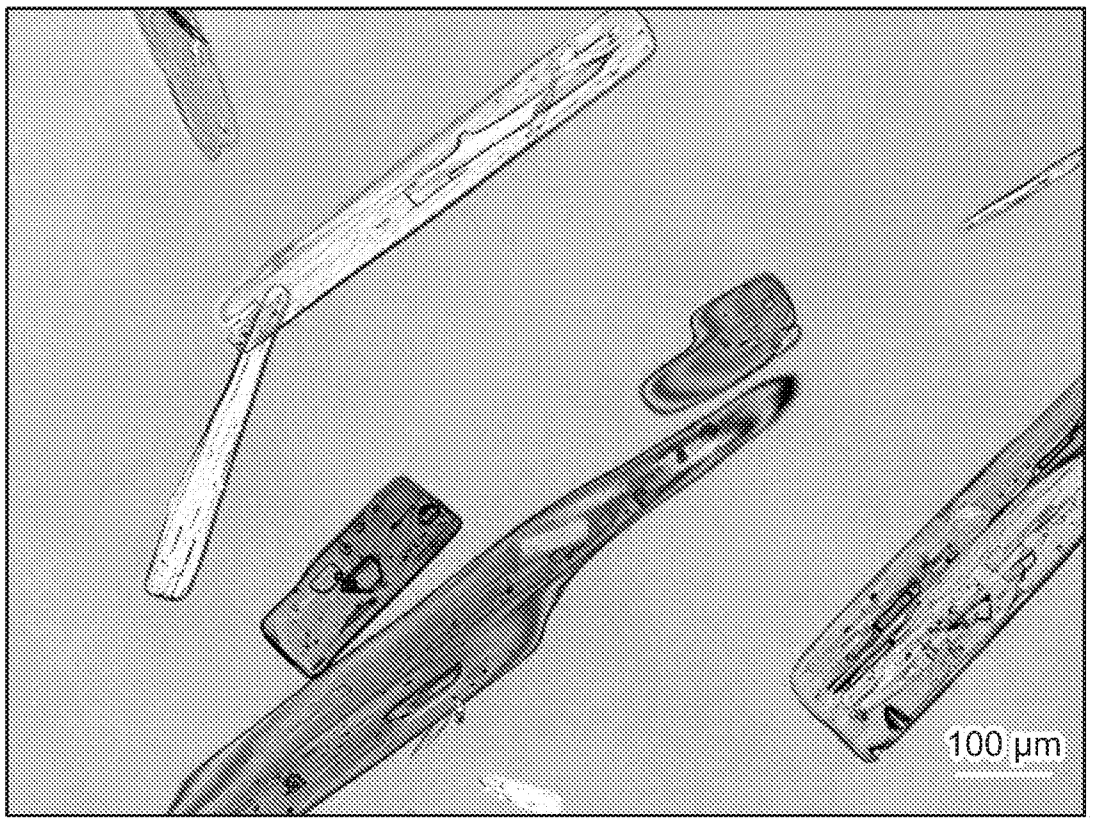


FIG. 9A

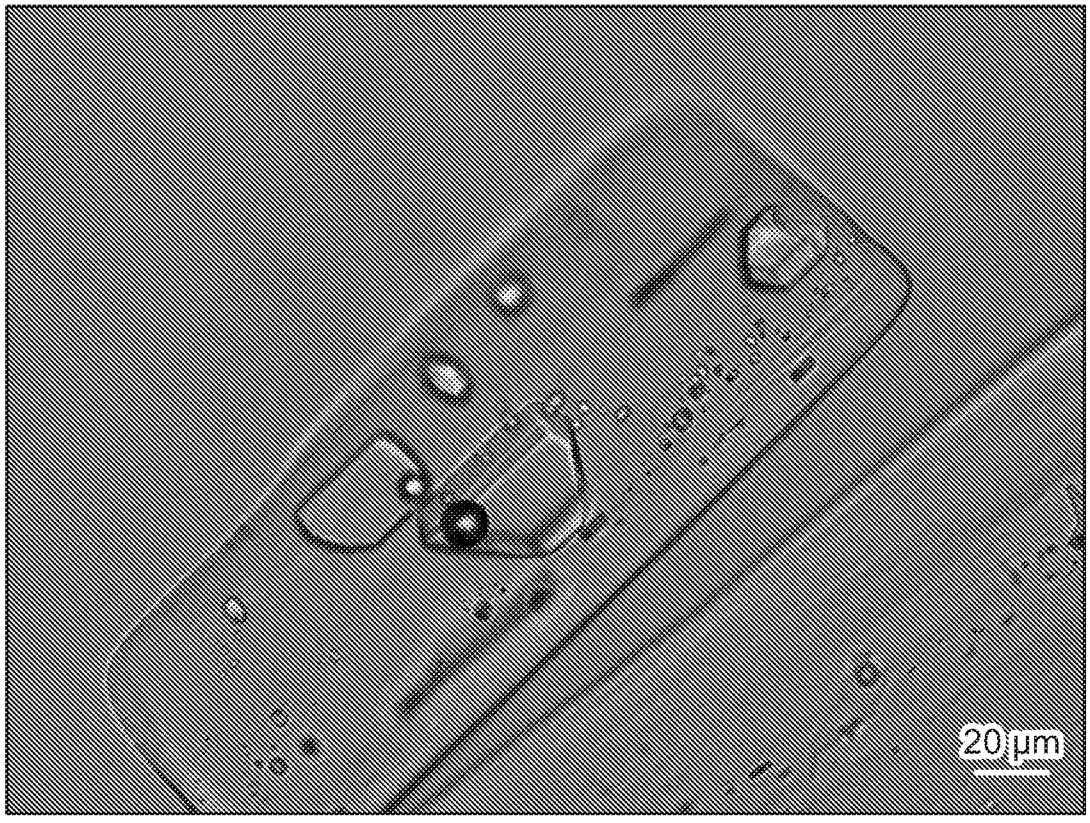


FIG. 9B

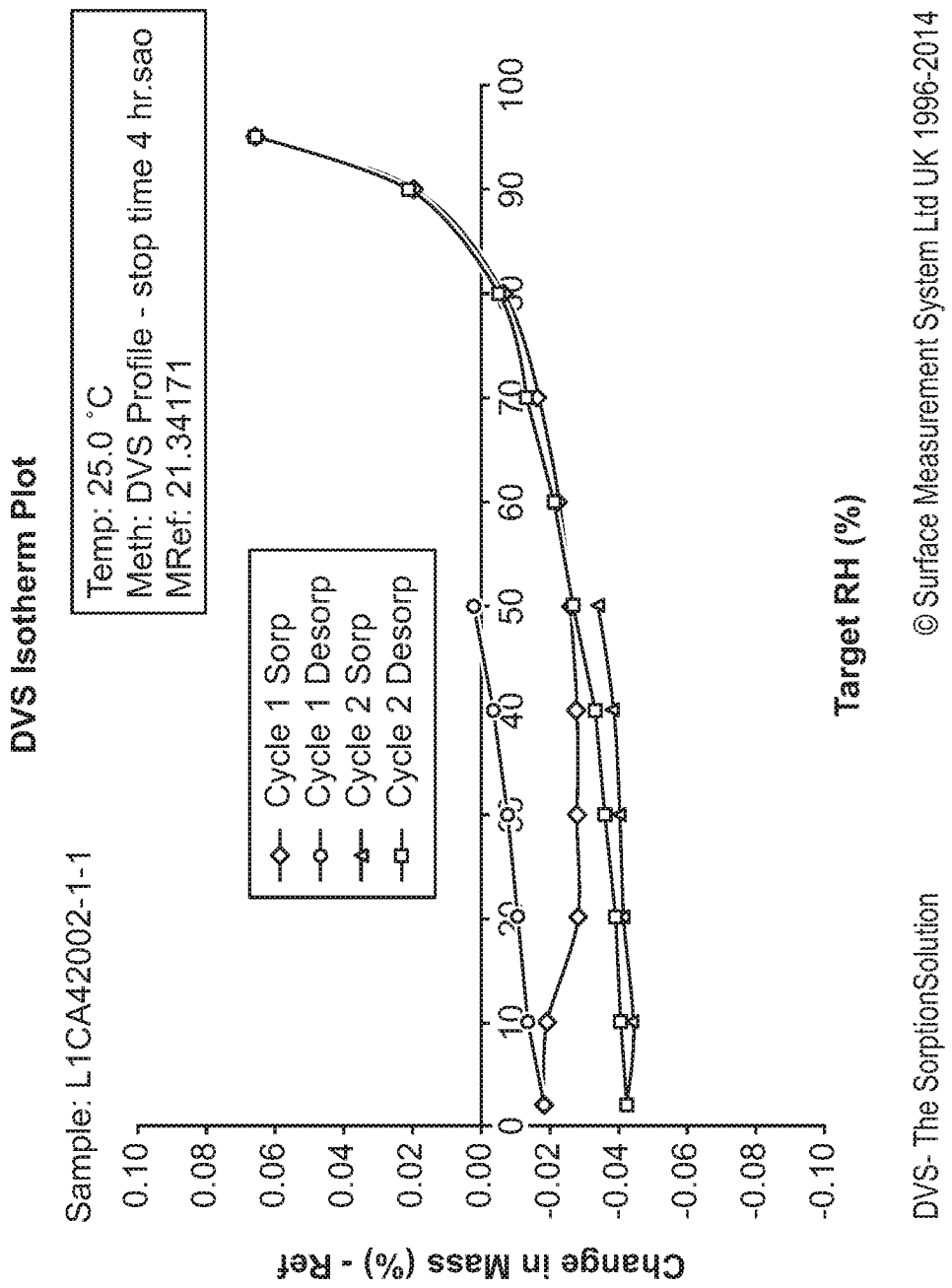

DVS Isotherm Plot
Sample: L1CA42002-1-1
Temp: 25.0 °C
Meth: DVS Profile - stop time 4 hr.sao
MRef: 21.34171
Cycle 1 Sorp
Cycle 1 Desorp
Cycle 2 Sorp
Cycle 2 Desorp
Change in Mass (%) - Ref
Target RH (%)
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
-0.10
0
10
20
30
40
50
60
70
80
90
100
DVS- The SorptionSolution
© Surface Measurement System Ltd UK 1996-2014

FIG. 10

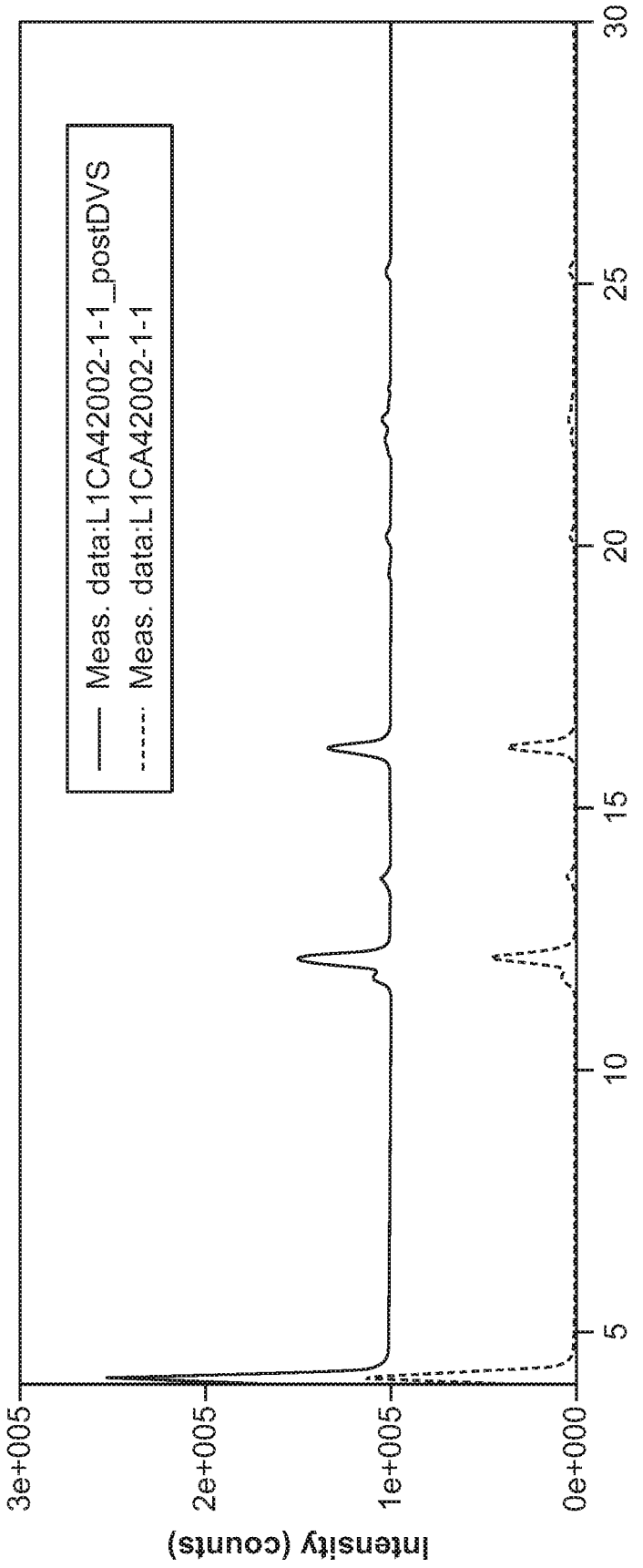

Meas. data:L1CA42002-1-1_postDVS
Meas. data:L1CA42002-1-1
Intensity (counts)
3e+005
2e+005
1e+005
0e+000
5
10
15
20
25
30
2-theta (deg)

FIG. 11

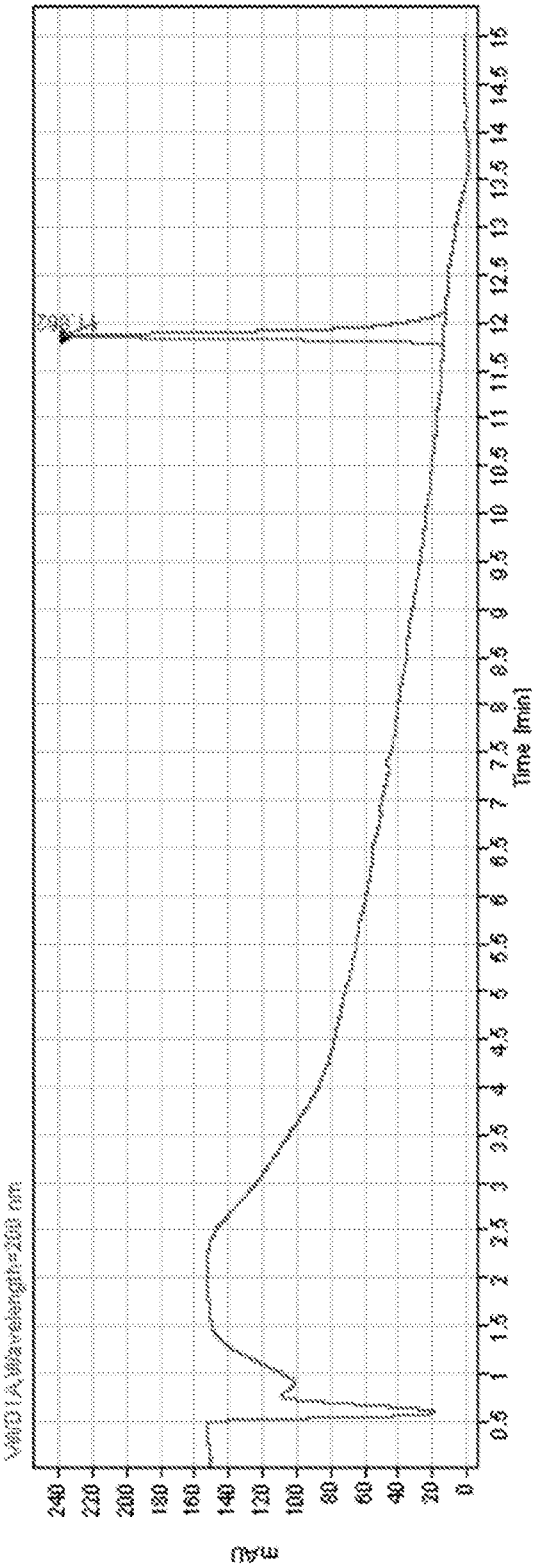


FIGURE 12

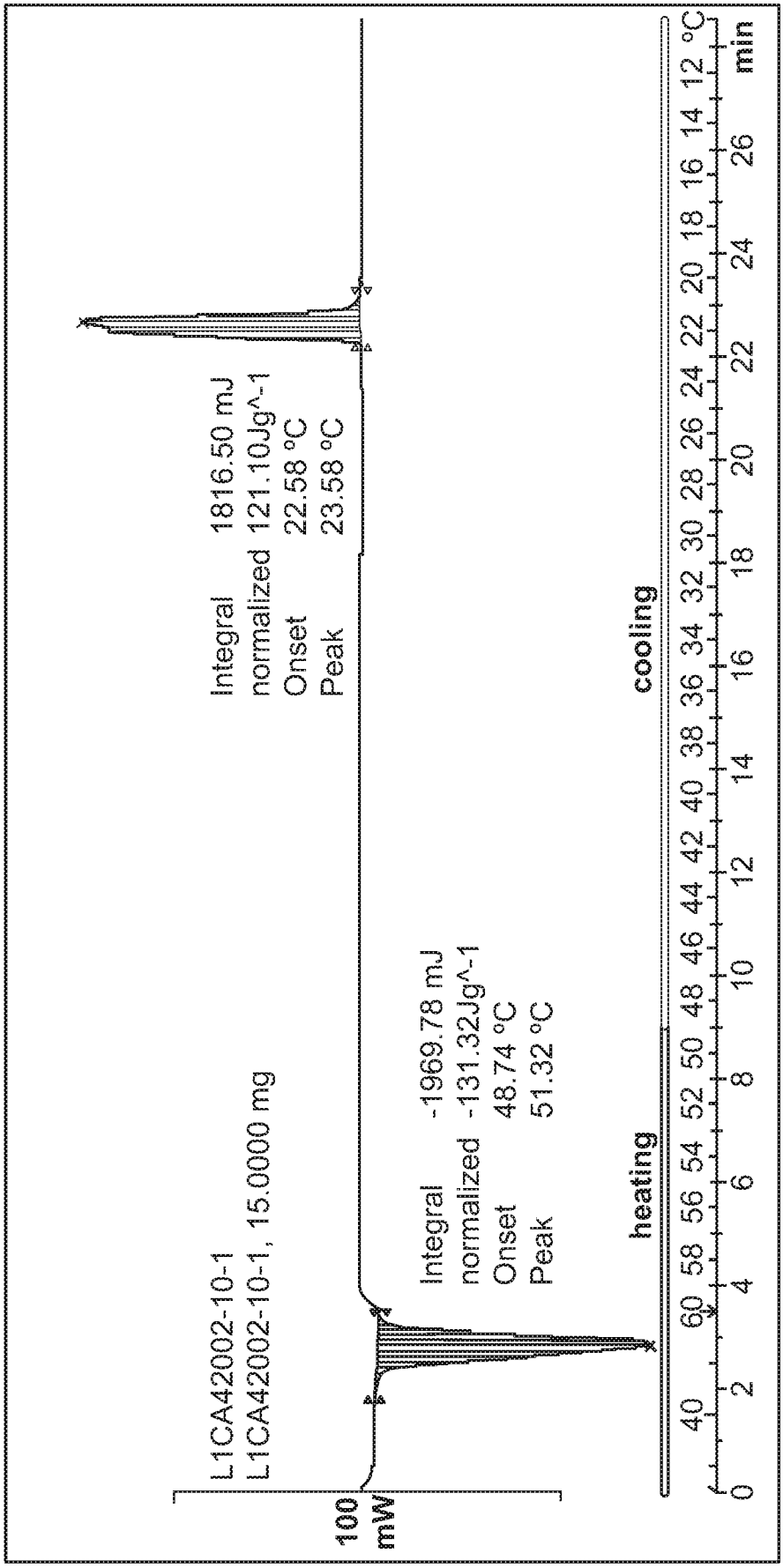

L1CA42002-10-1
L1CA42002-10-1
L1CA42002-10-1, 15.0000 mg
Integral 1816.50 mJ
normalized 121.10Jg^-1
Onset 22.58 °C
Peak 23.58 °C
Integral -1969.78 mJ
normalized -131.32Jg^-1
Onset 48.74 °C
Peak 51.32 °C
heating
cooling
100 mW
min
°C
Solid State Pharma Inc.: SSPI
STAR SW 16.00

FIG. 13

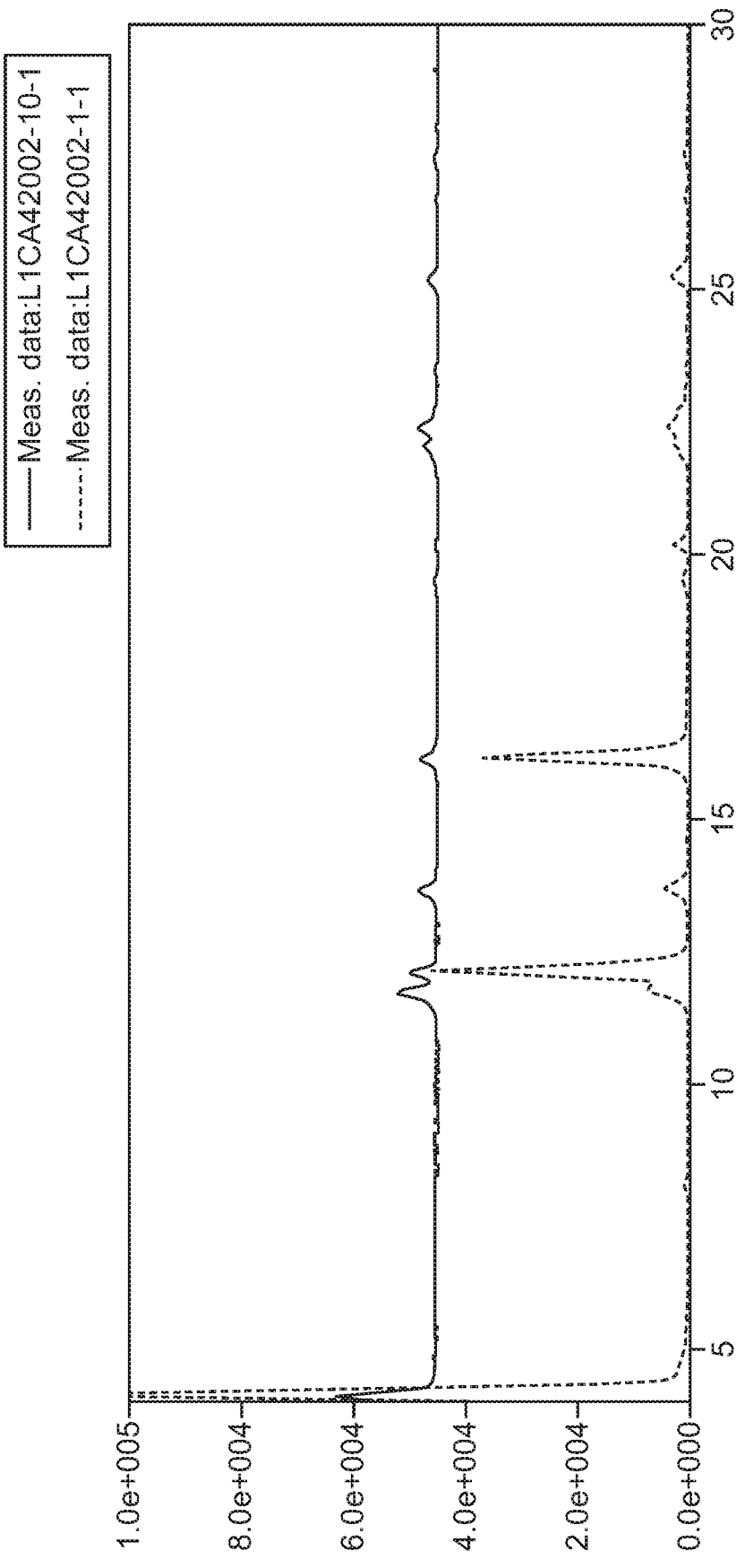
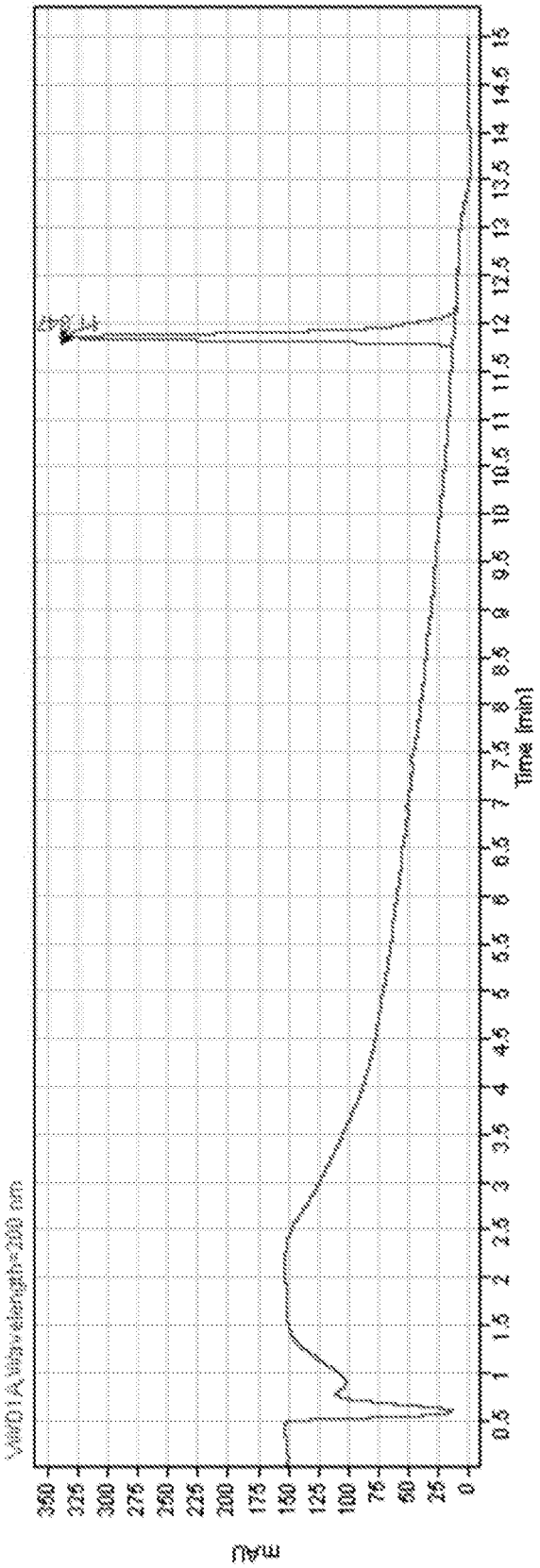

Meas. data:L1CA42002-10-1
Meas. data:L1CA42002-1-1
1.0e+005
8.0e+004
6.0e+004
4.0e+004
2.0e+004
0.0e+000
Intensity (counts)
5
10
15
20
25
30
2-theta (deg)

FIG. 14

FIGURE 15



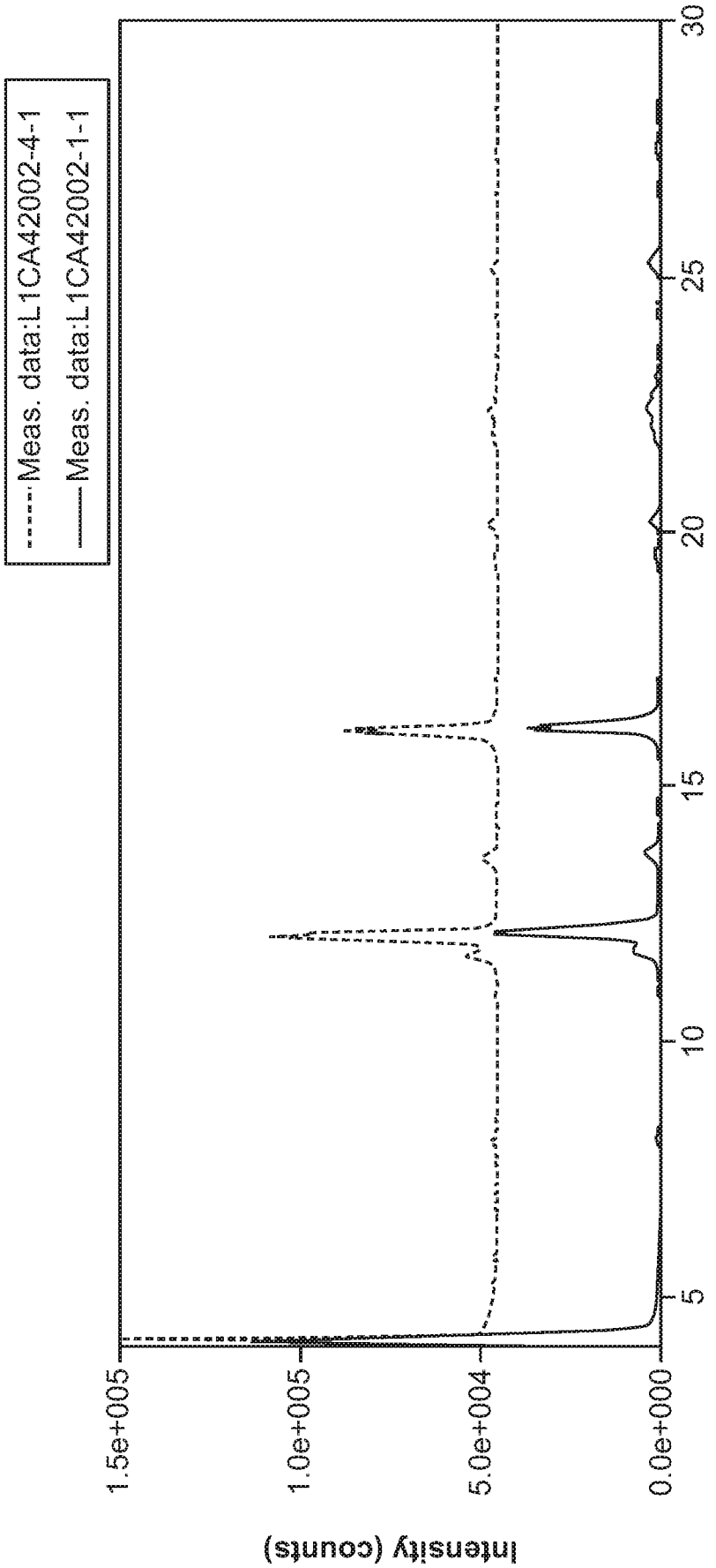

Meas. data:L1CA42002-4-1
Meas. data:L1CA42002-1-1
1.5e+005
1.0e+005
5.0e+004
0.0e+000
Intensity (counts)
5
10
15
20
25
30
2-theta (deg)

FIG. 16

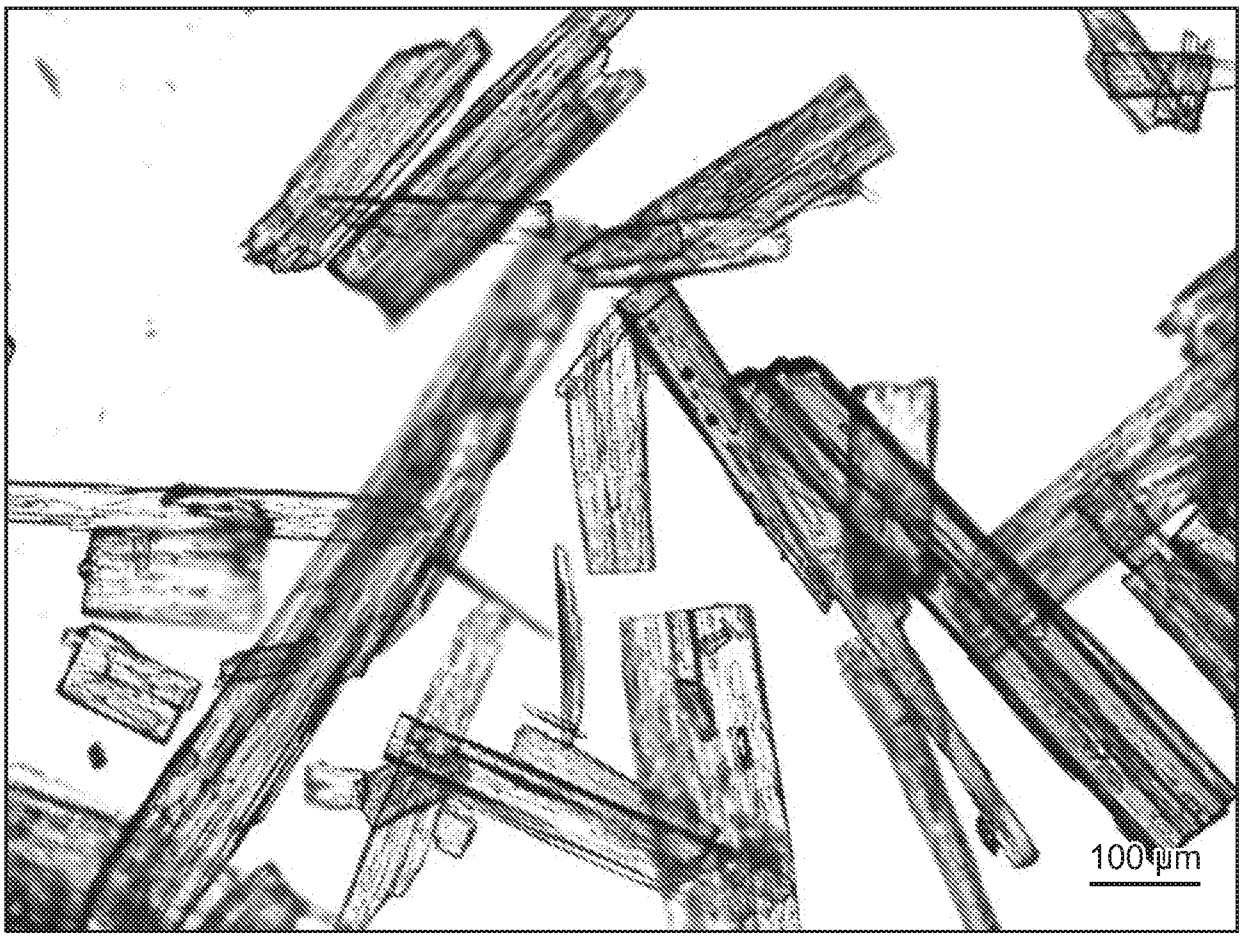


FIG. 17A

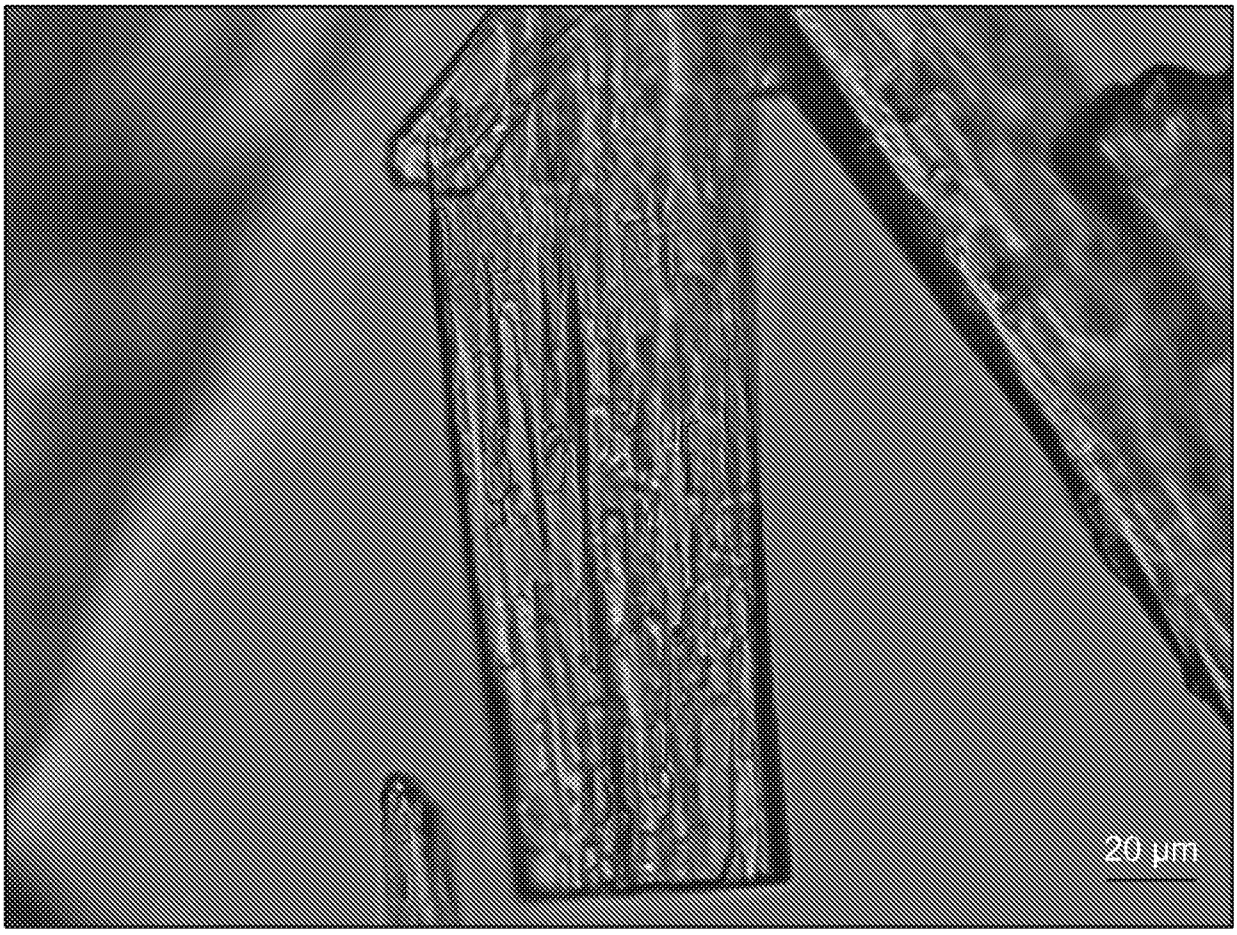


FIG. 17B

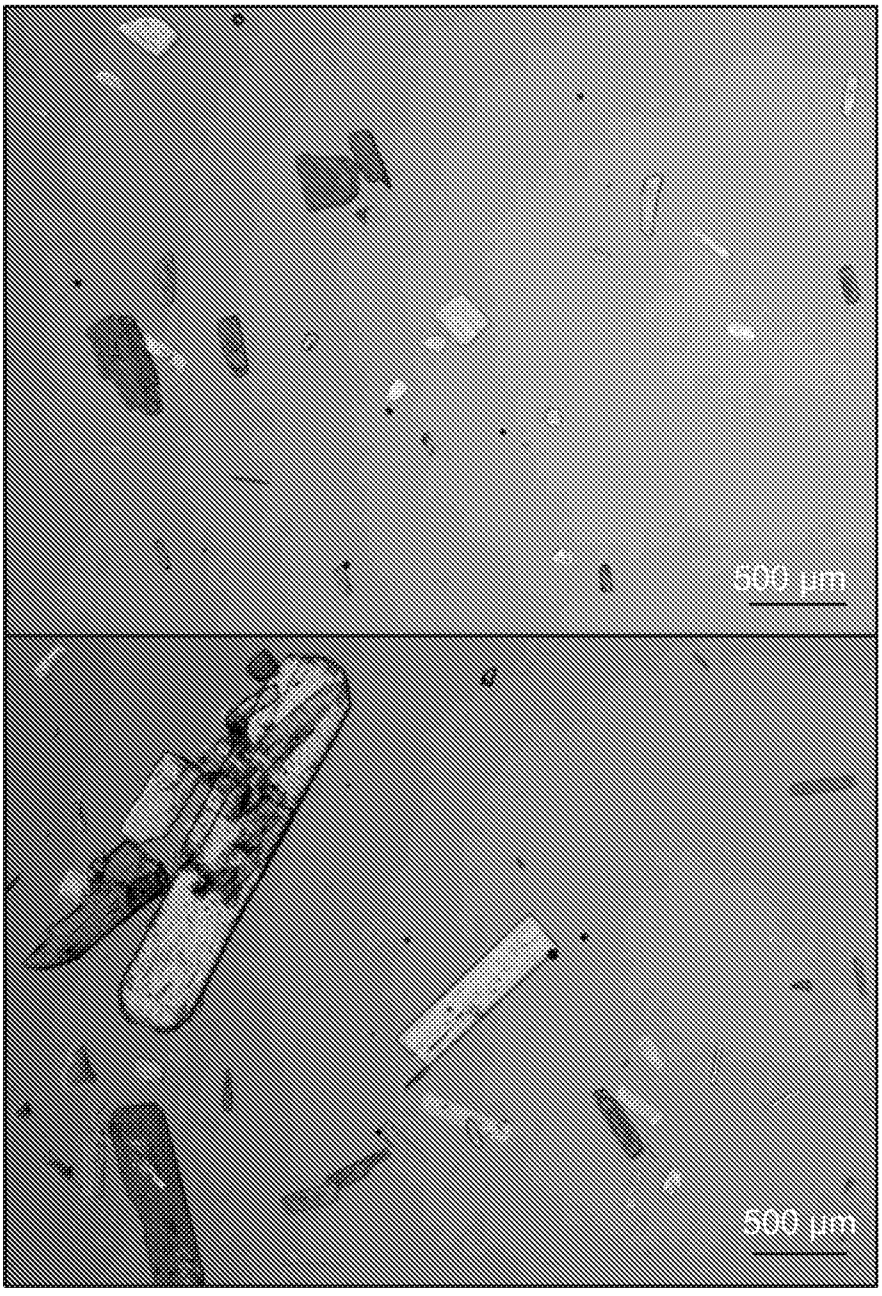


FIG. 18

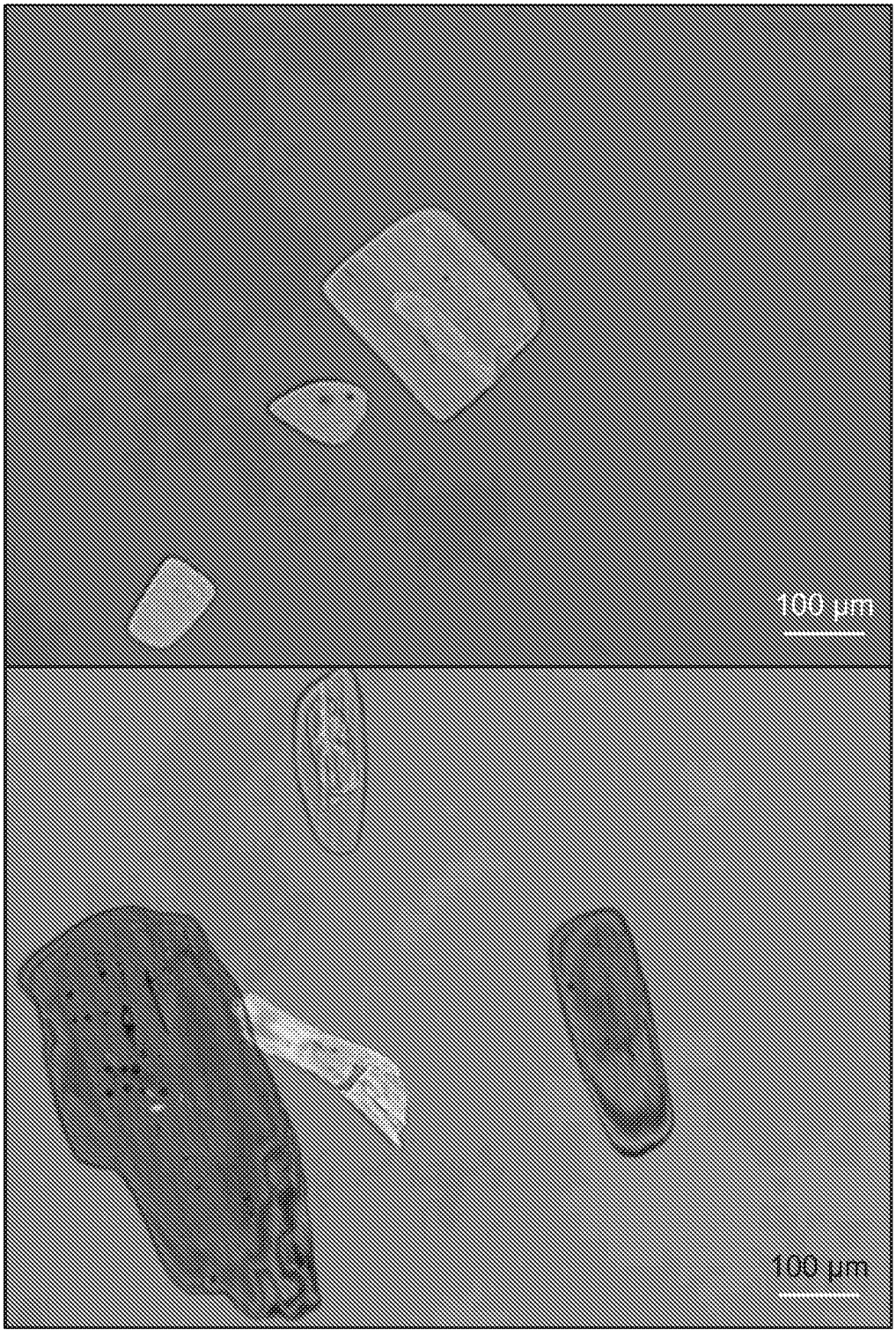


FIG. 19

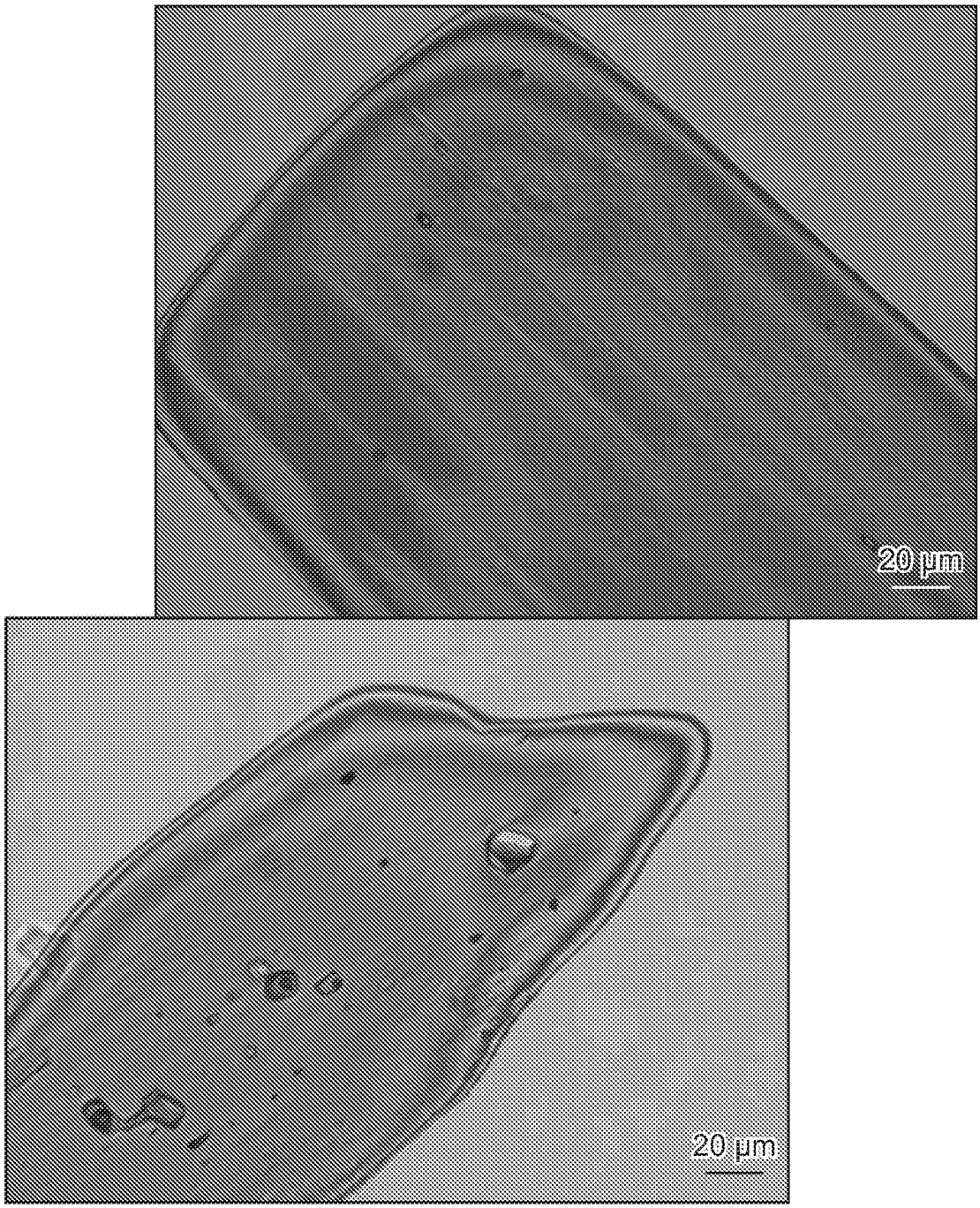


FIG. 20

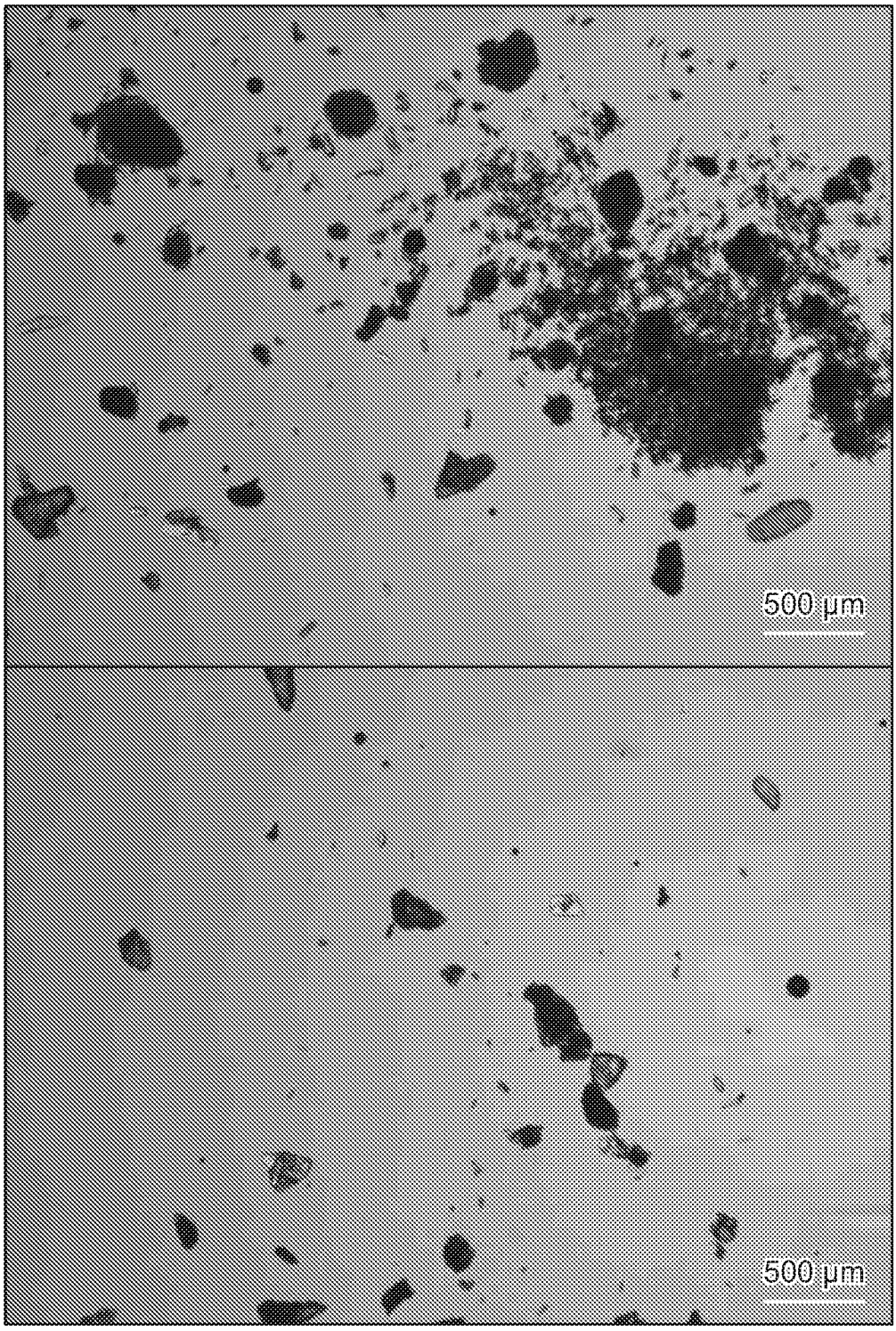


FIG. 21

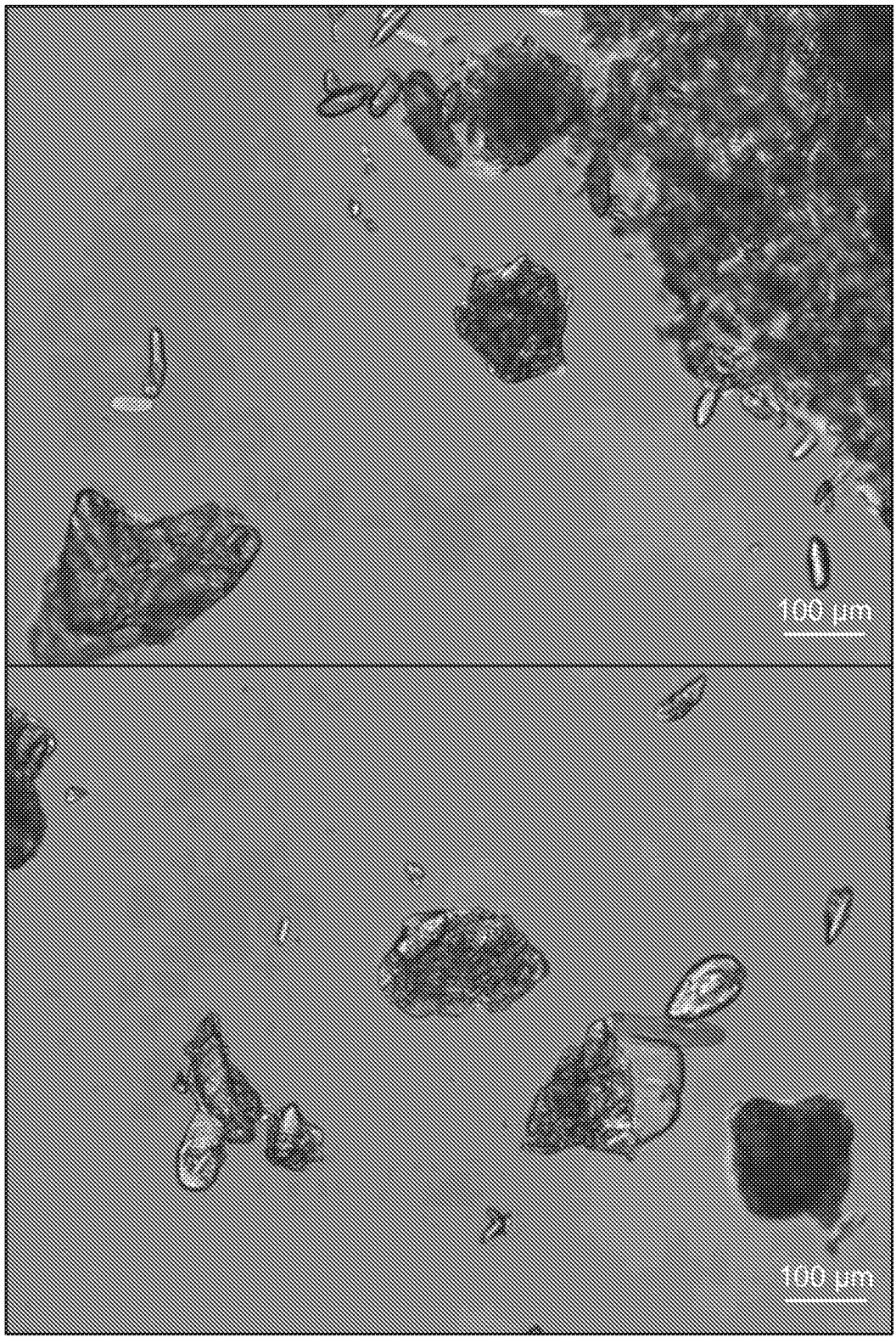


FIG. 22

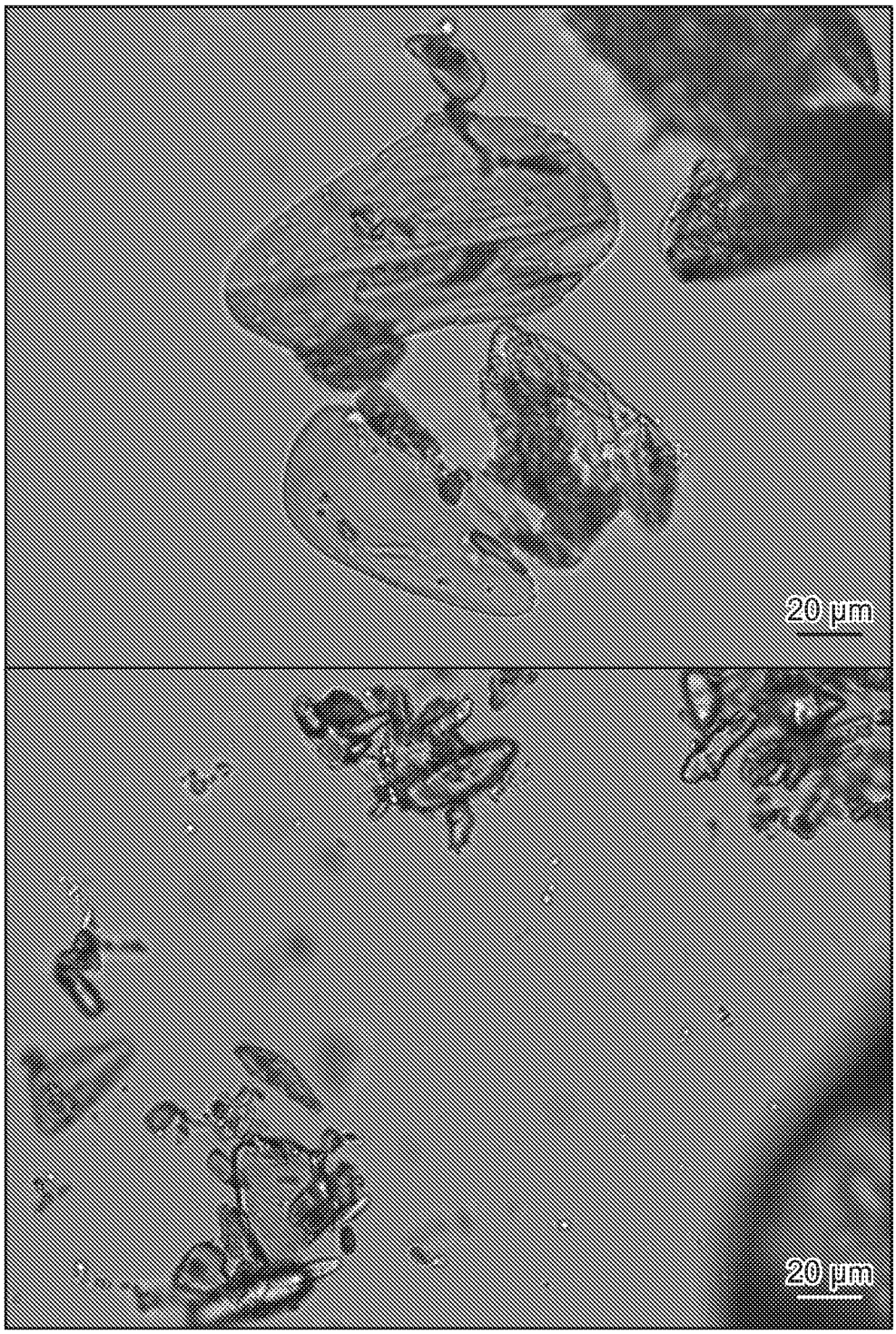


FIG. 23A

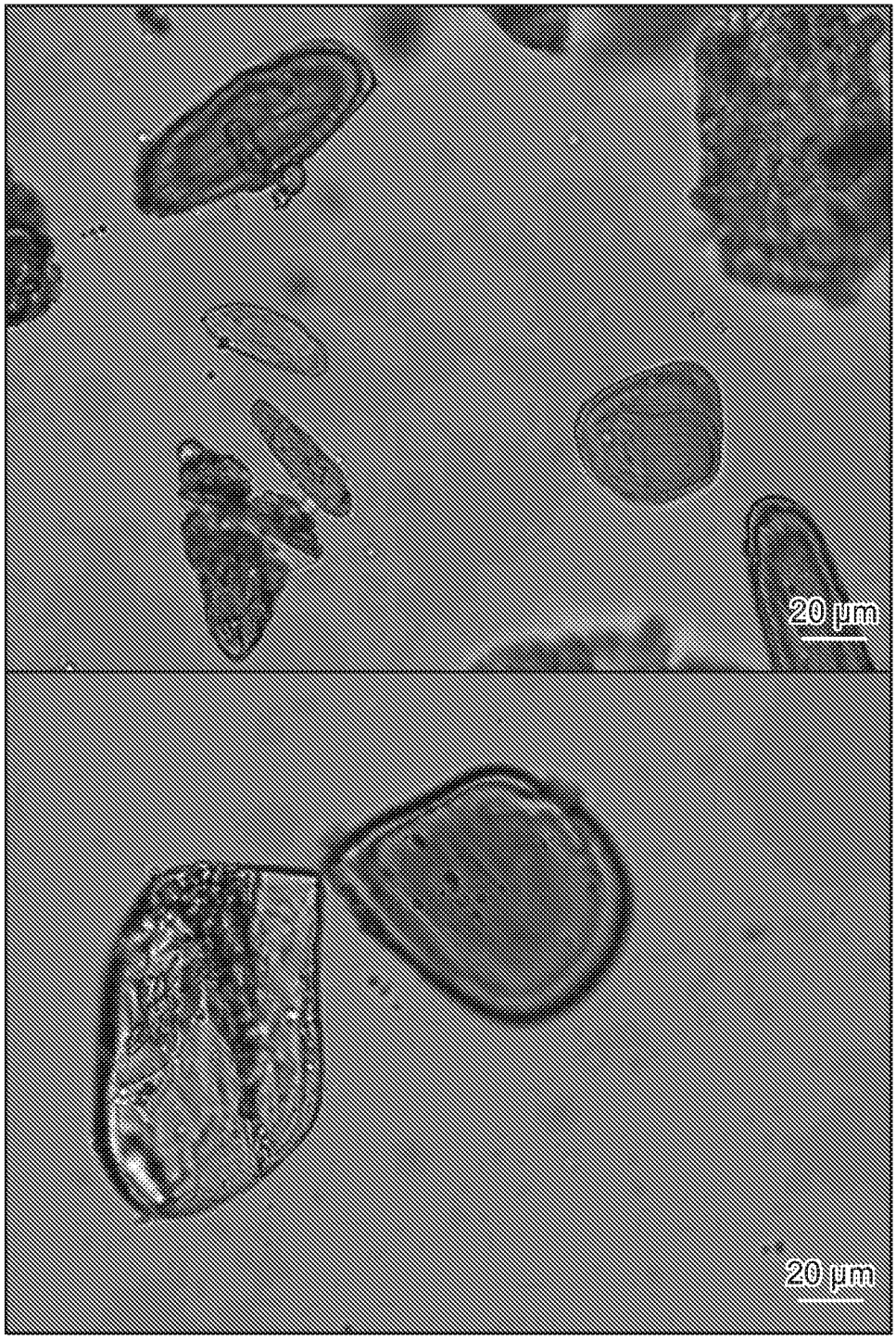


FIG. 23B

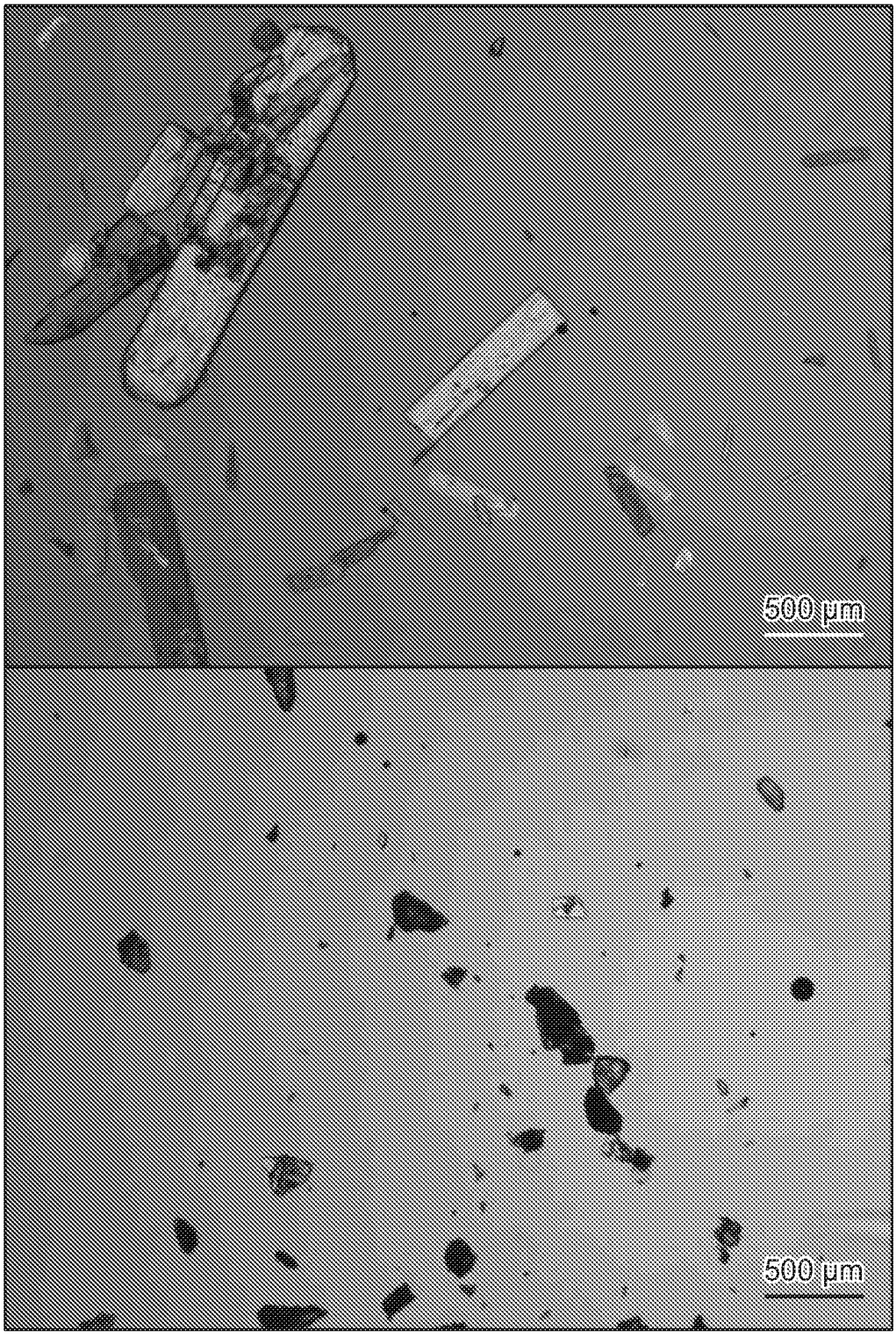


FIG. 24

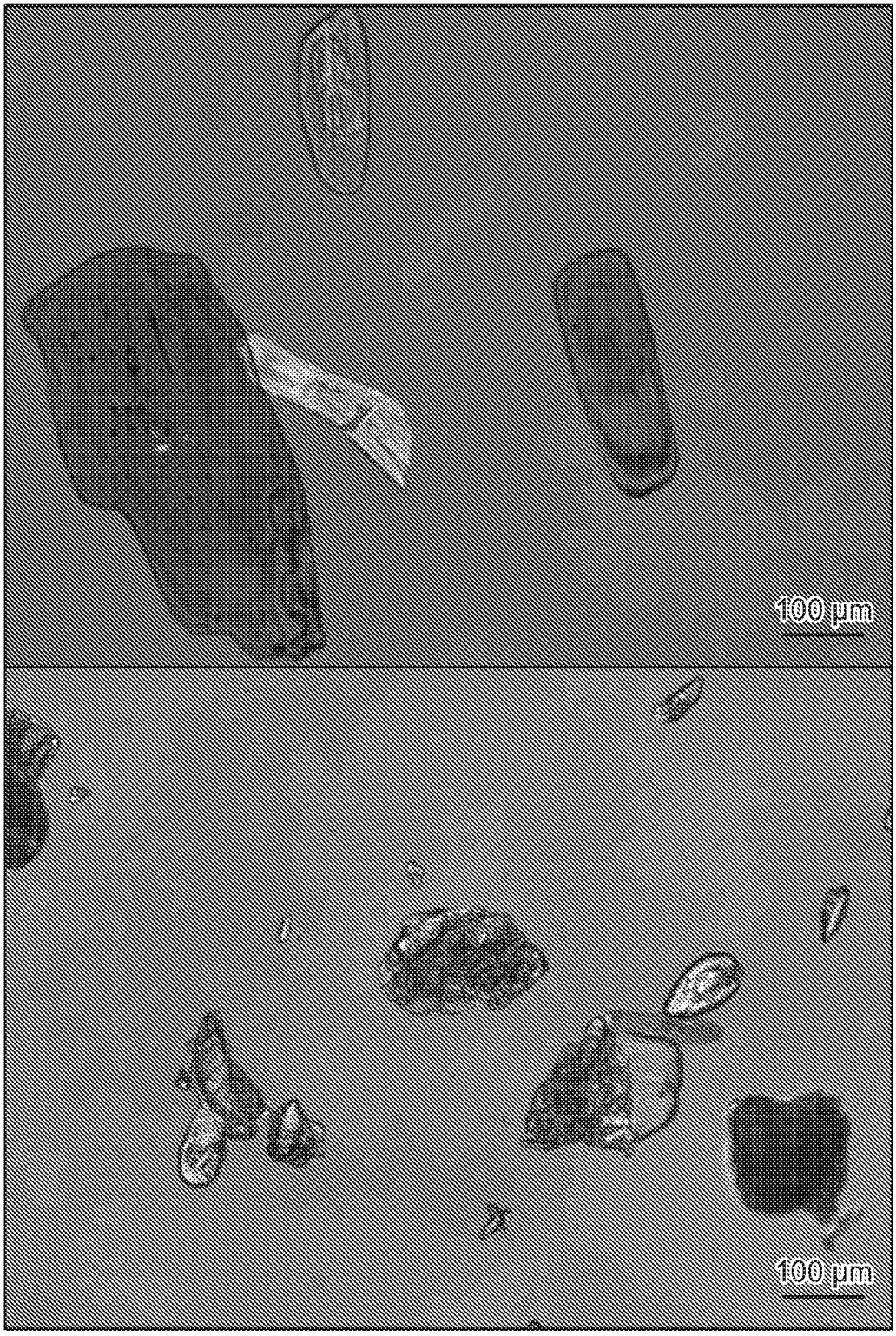


FIG. 25

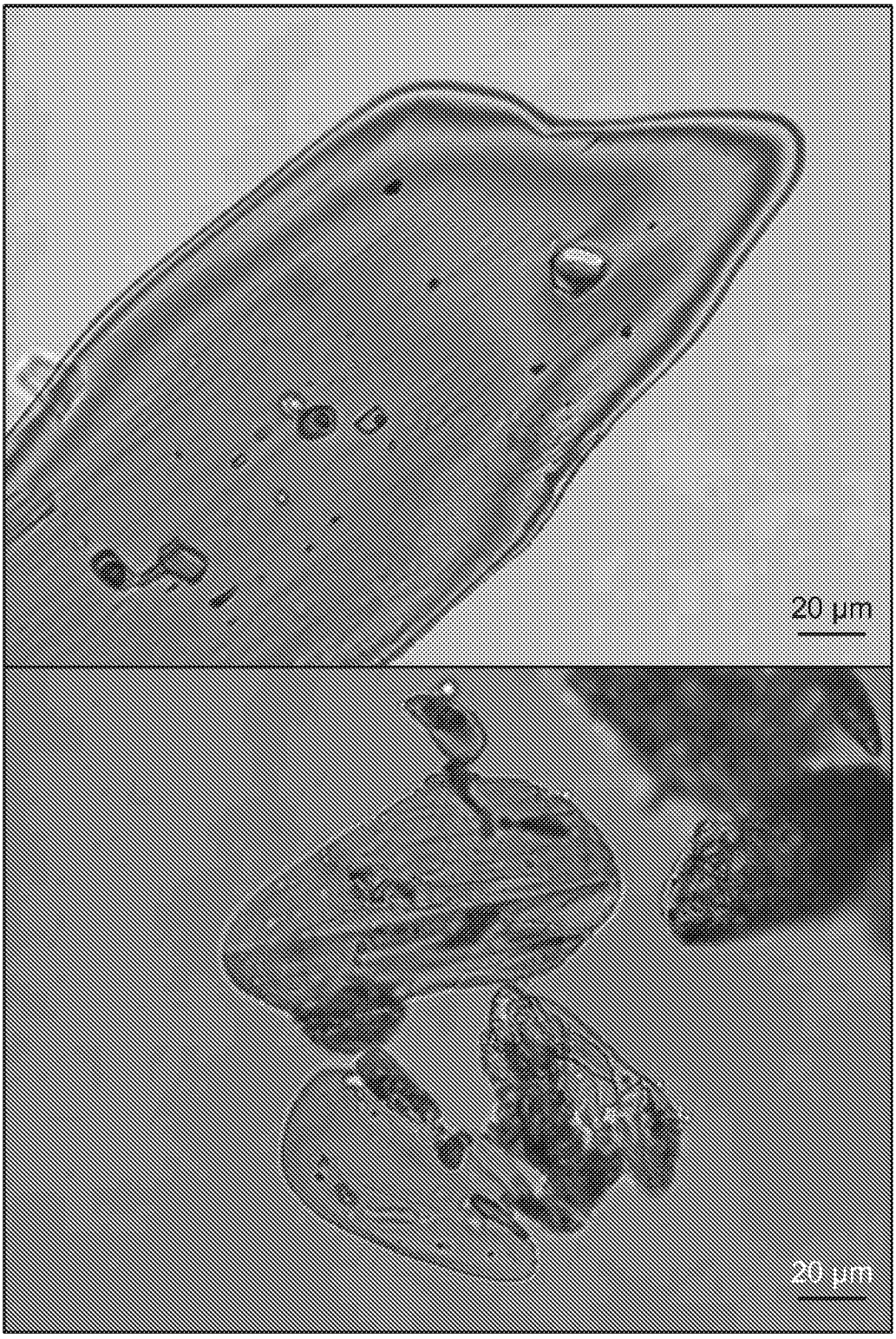


FIG. 26

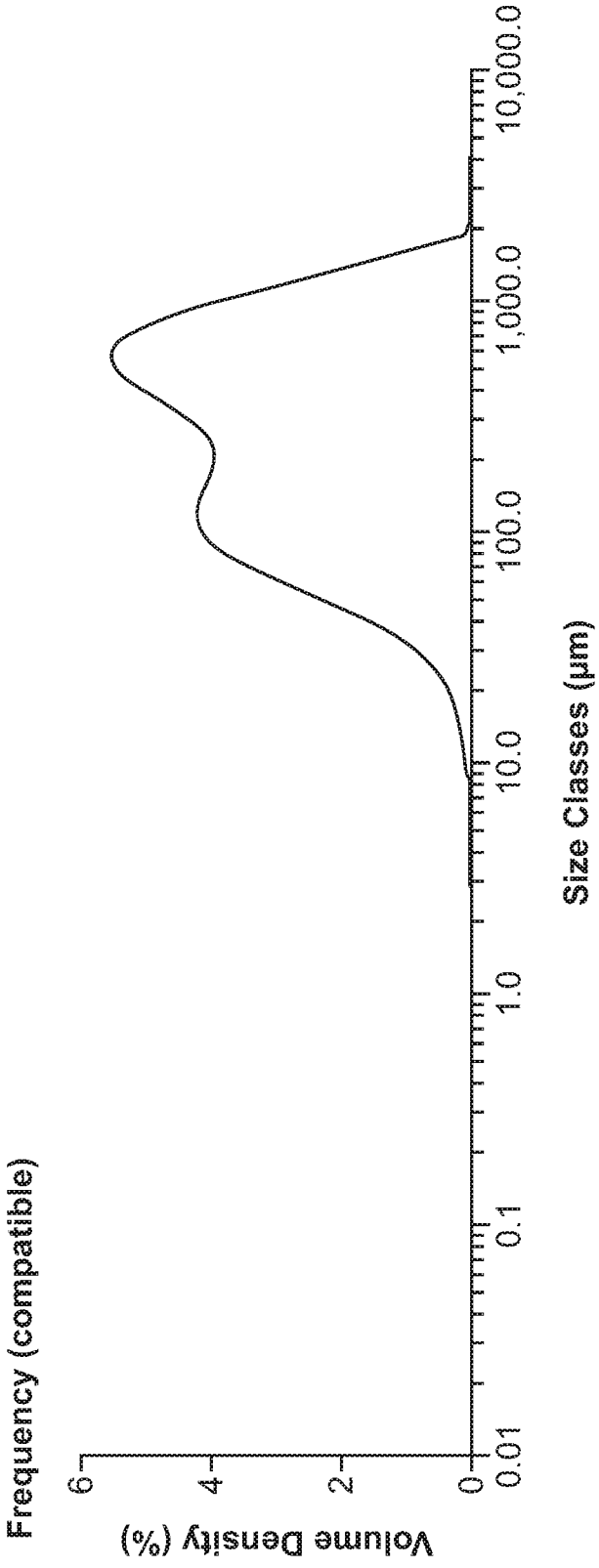

Frequency (compatible)
Volume Density (%)
0
2
4
6
0.01
0.1
1.0
10.0
100.0
1,000.0
10,000.0
Size Classes (µm)

FIG. 27

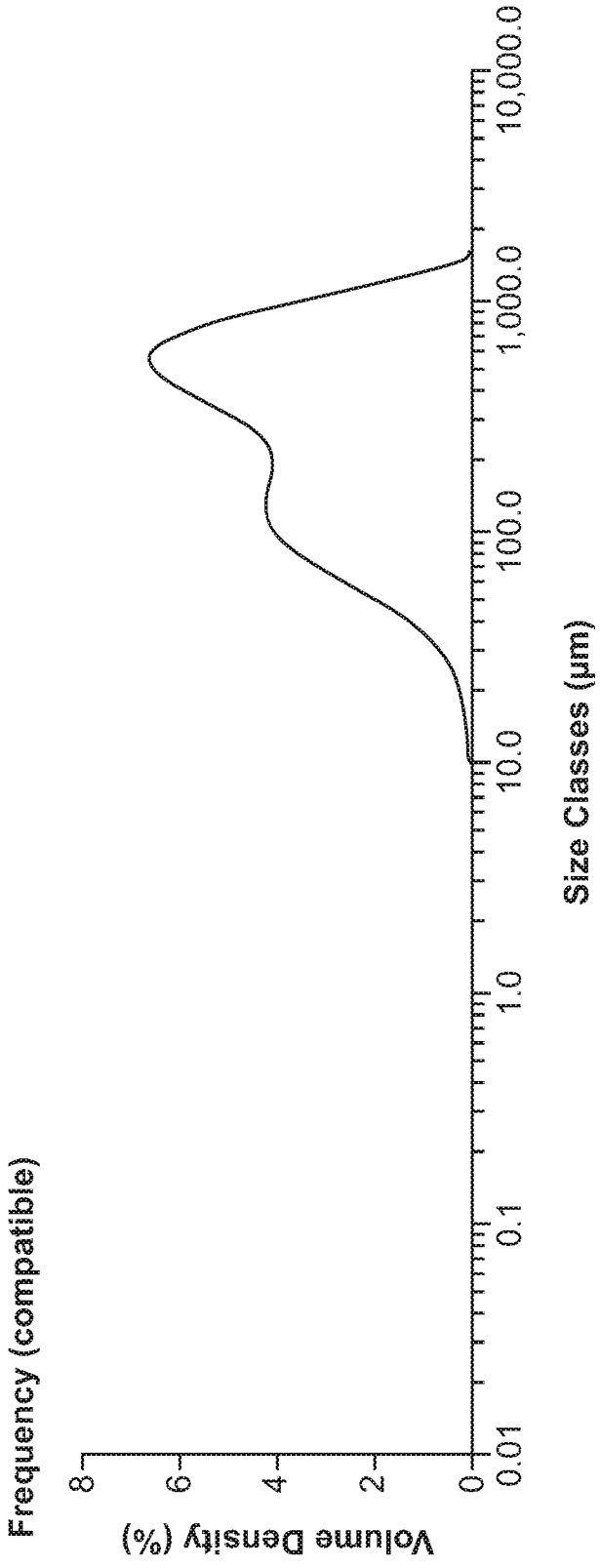

Frequency (compatible)
Volume Density (%)
0
2
4
6
8
0.01
0.1
1.0
10.0
100.0
1,000.0
10,000.0
Size Classes (µm)

FIG. 28

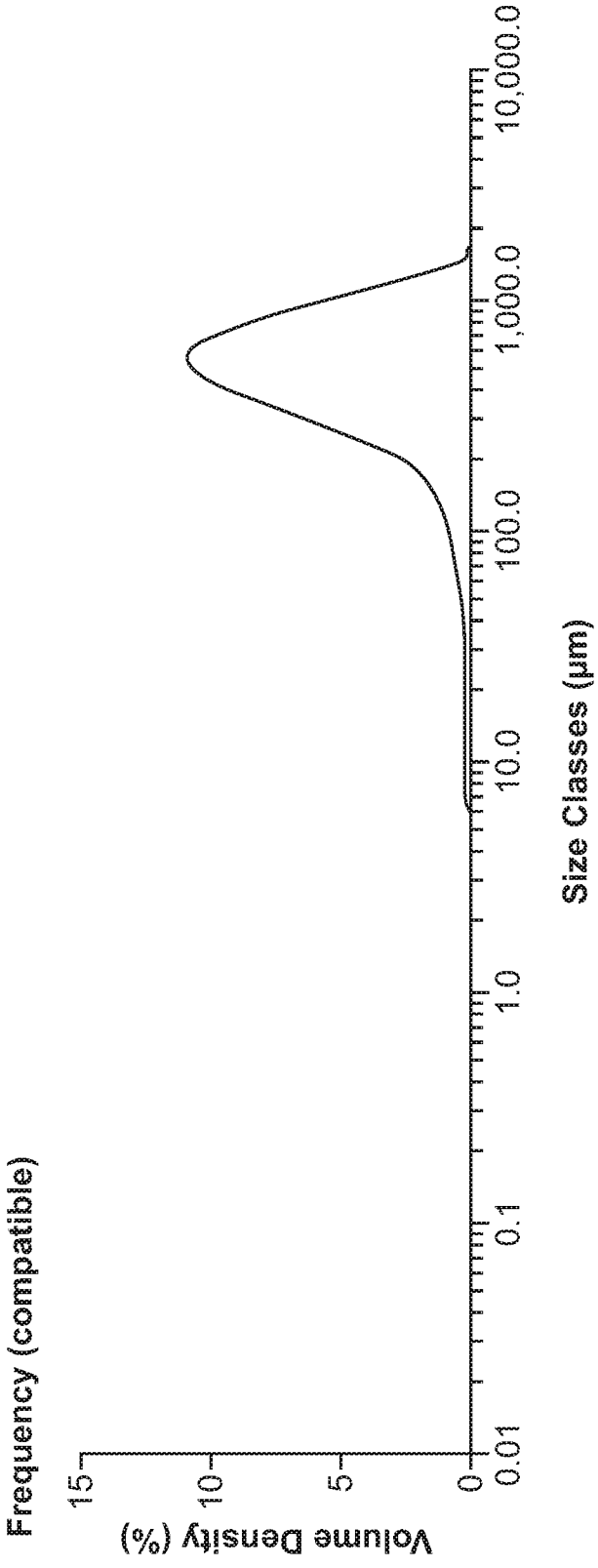

Frequency (compatible)
Volume Density (%)
15
10
5
0
0.01
0.1
1.0
10.0
100.0
1,000.0
10,000.0
Size Classes (µm)

FIG. 29

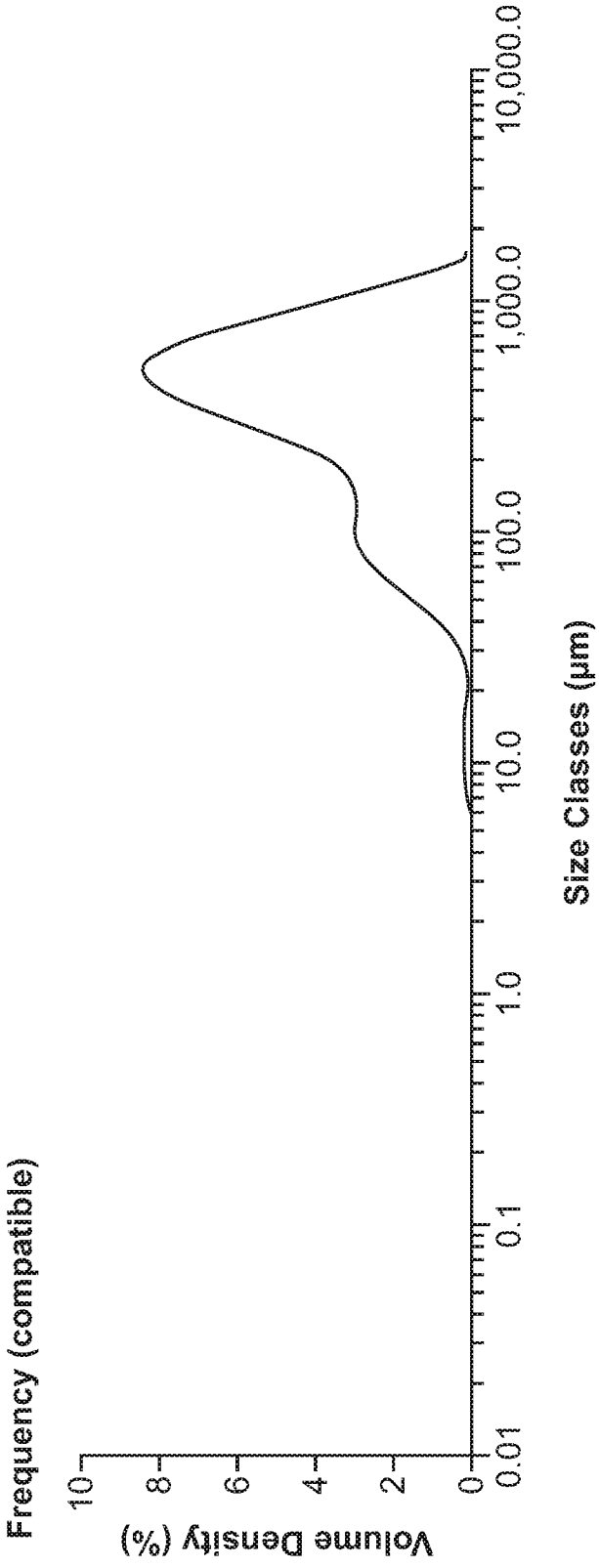

Frequency (compatible)
Volume Density (%)
10
8
6
4
2
0
0.01
0.1
1.0
10.0
100.0
1,000.0
10,000.0
Size Classes (µm)

FIG. 30

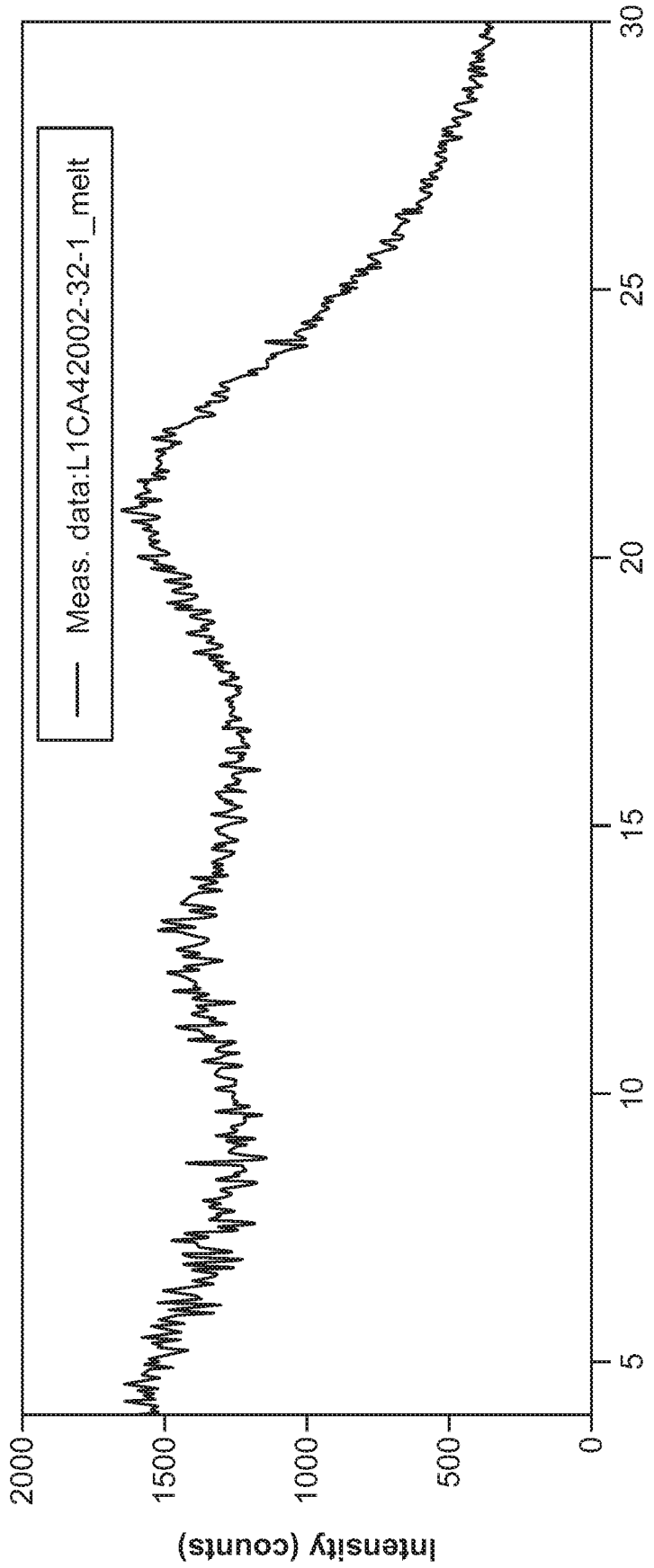

Meas. data:L1CA42002-32-1_melt
Intensity (counts)
2000
1500
1000
500
0
5
10
15
20
25
30
2-theta (deg)

FIG. 31

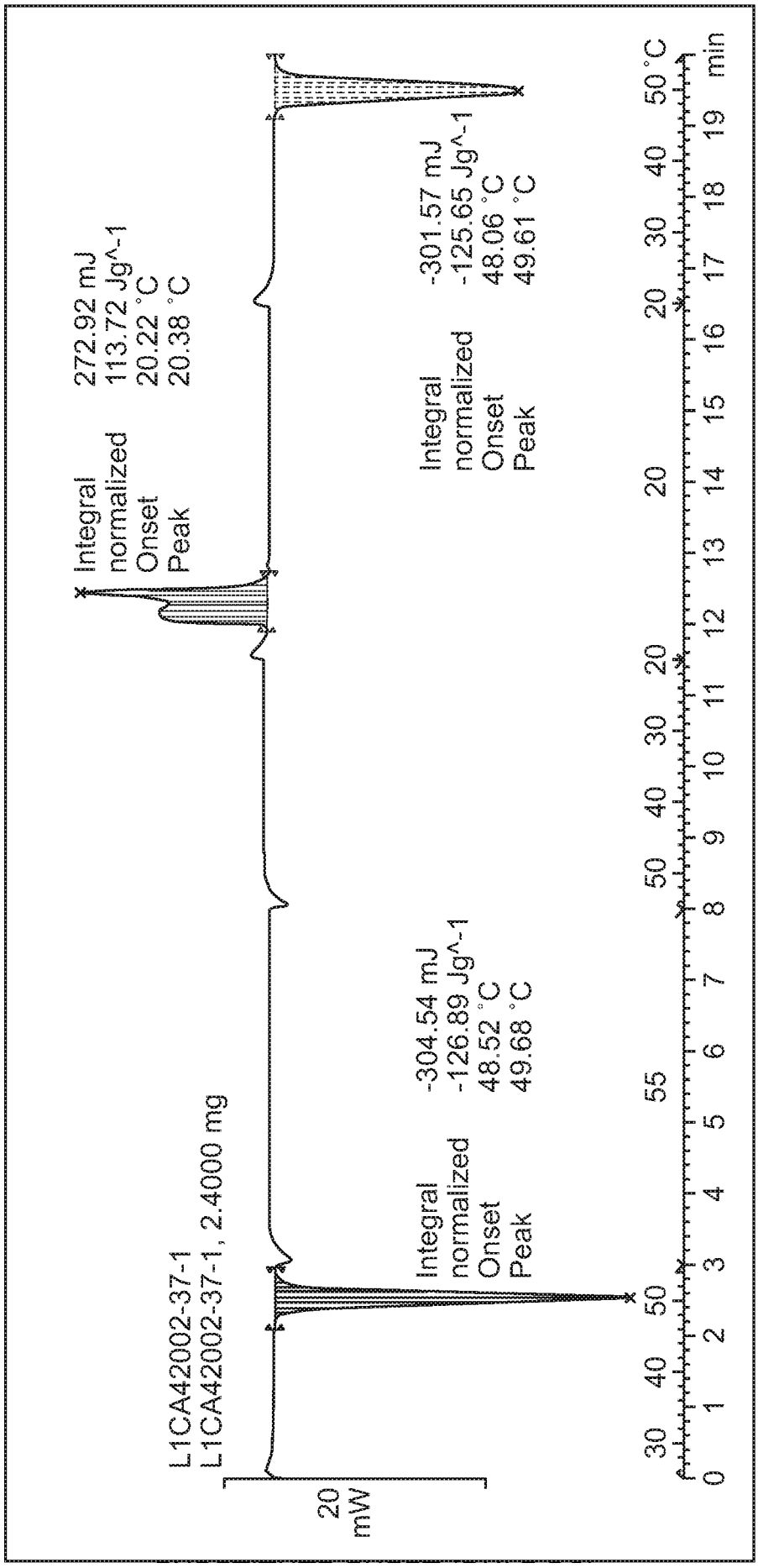

L1CA42002-1-1_DSC
L1CA42002-37-1
L1CA42002-37-1, 2.4000 mg
20
mW
Integral -304.54 mJ
normalized -126.89 Jg^-1
Onset 48.52 °C
Peak 49.68 °C
Integral 272.92 mJ
normalized 113.72 Jg^-1
Onset 20.22 °C
Peak 20.38 °C
Integral -301.57 mJ
normalized -125.65 Jg^-1
Onset 48.06 °C
Peak 49.61 °C
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 min
30 40 50 55 20 30 40 50 20 30 40 50 °C
Solid State Pharma Inc.: SSPI
STAR SW 16.00

FIG. 32