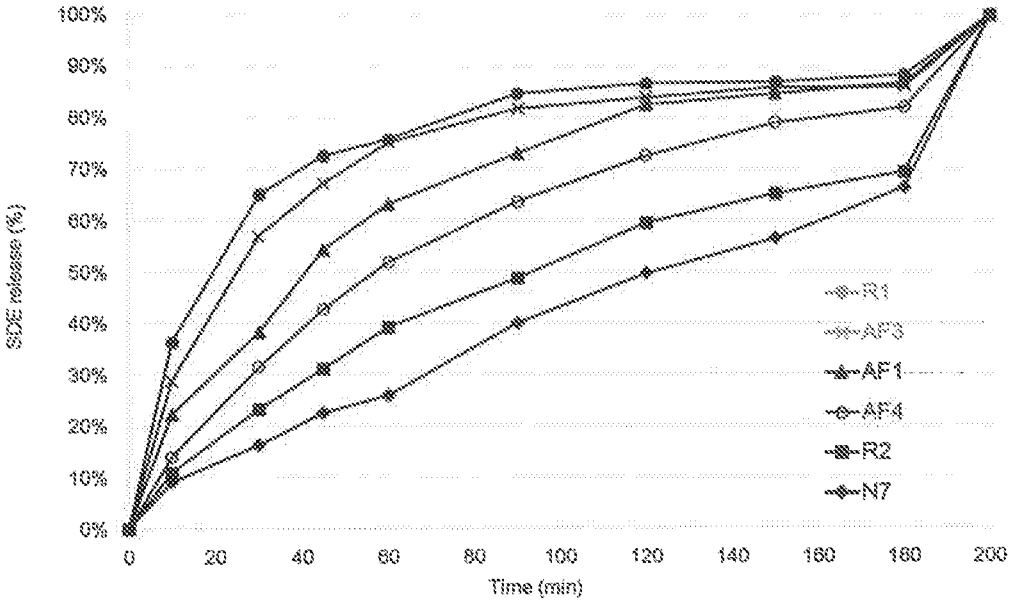

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
SDE release (%)
0
20
40
60
80
100
120
140
160
180
200
Time (min)
R1
AF3
AF1
AF4
R2
N7

Fig. 1A

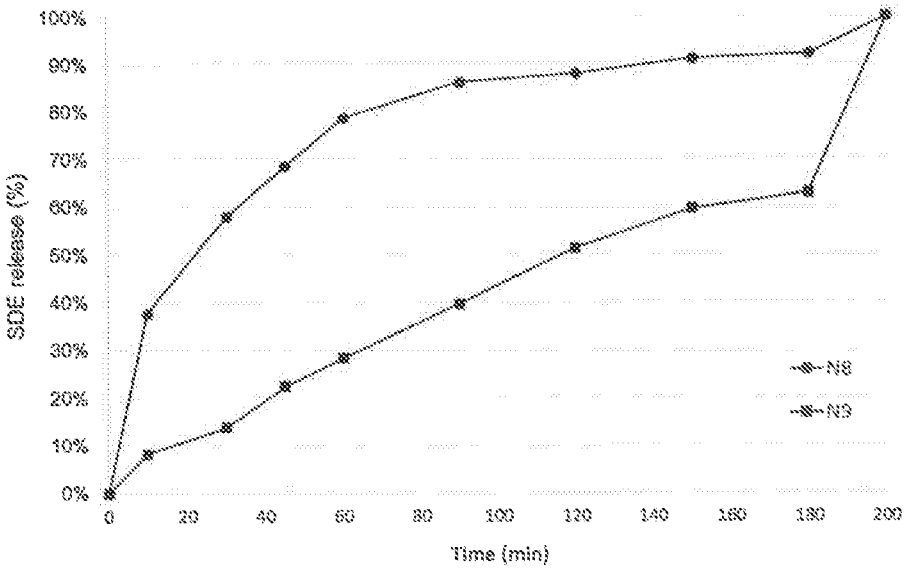

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
SDE release (%)
0
20
40
60
80
100
120
140
160
180
200
Time (min)
N8
N9

Fig. 1B

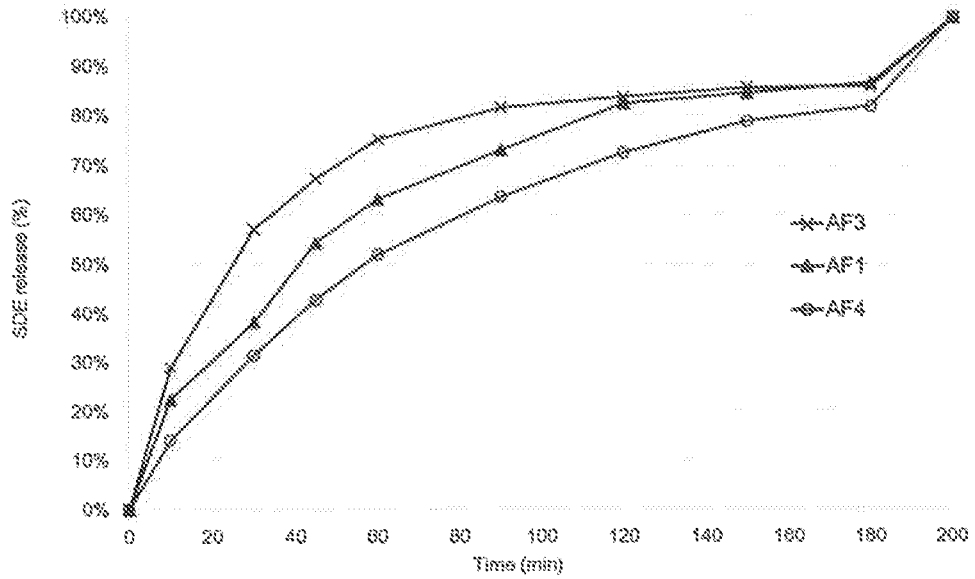

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
SDE release (%)
0
20
40
60
80
100
120
140
160
180
200
Time (min)
AF3
AF1
AF4

Fig. 2.

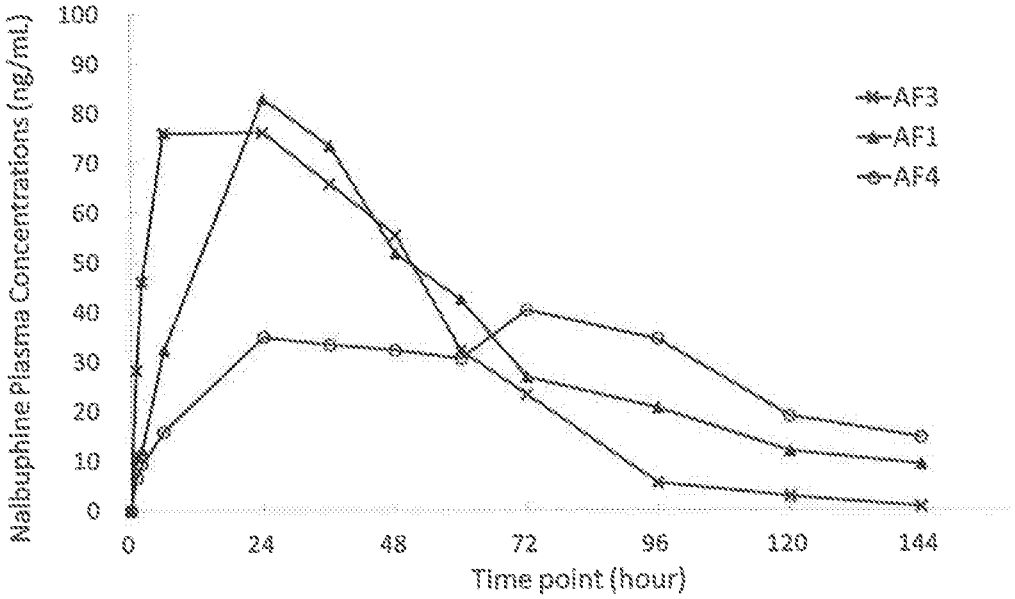

100
90
80
70
60
50
40
30
20
10
0
Nalbuphine Plasma Concentrations (ng/mL)
0
24
48
72
96
120
144
Time point (hour)
AF3
AF1
AF4

Fig. 3

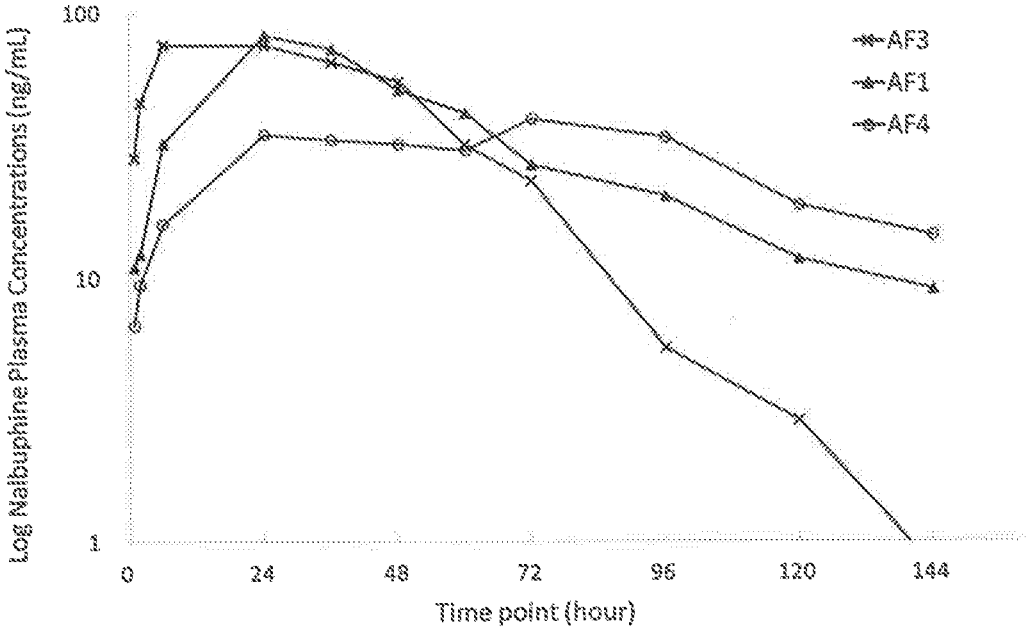

Log Nalbuphine Plasma Concentrations (ng/mL)
100
10
1
0
24
48
72
96
120
144
Time point (hour)
AF3
AF1
AF4

Fig. 4

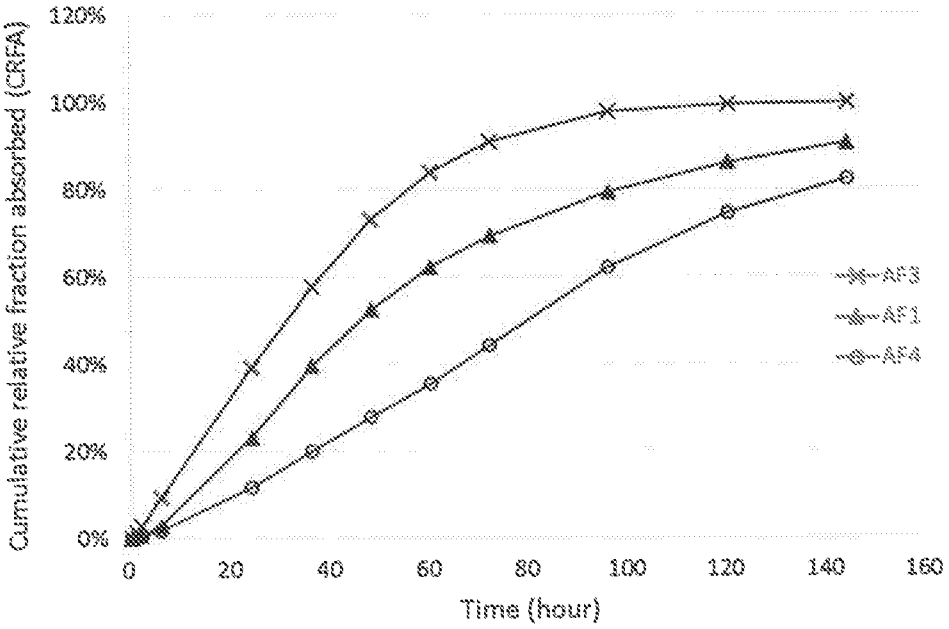

Cumulative relative fraction absorbed (CRFA)
120%
100%
80%
60%
40%
20%
0%
0
20
40
60
80
100
120
140
160
Time (hour)
AF3
AF1
AF4

Fig. 5

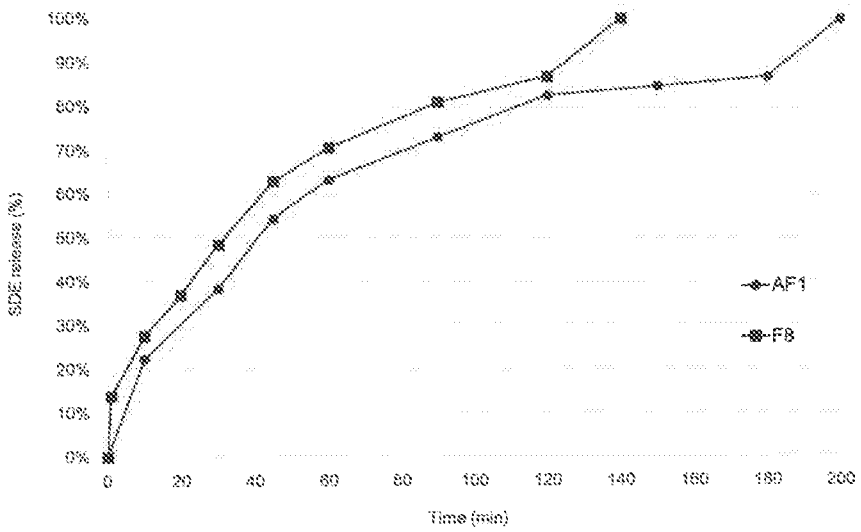

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
SDE release (%)
0
20
40
60
80
100
120
140
160
180
200
Time (min)
AF1
F8

Fig. 6.

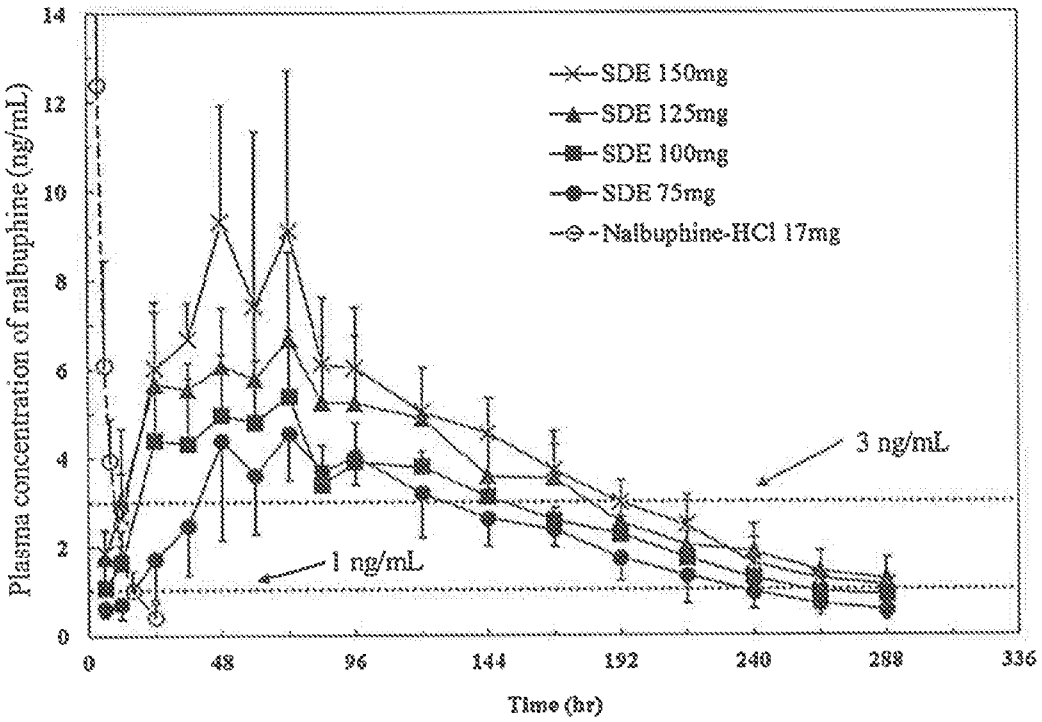

Plasma concentration of nalbuphine (ng/mL)
0
2
4
6
8
10
12
14
0
48
96
144
192
240
288
336
Time (hr)
SDE 150mg
SDE 125mg
SDE 100mg
SDE 75mg
Nalbuphine-HCl 17mg
3 ng/mL
1 ng/mL

Fig. 7

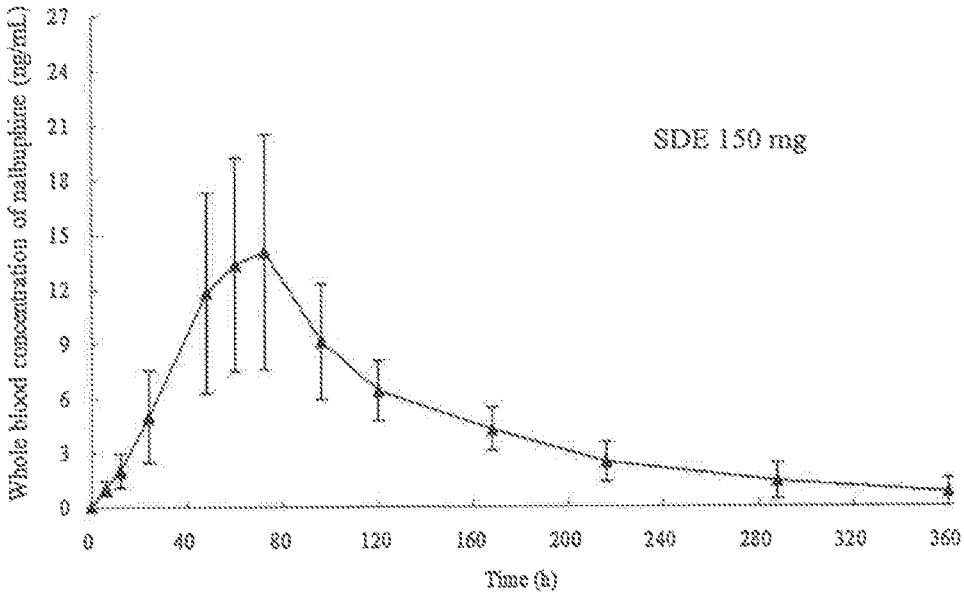

Whole blood concentration of nelfinavir (ng/mL)
27
24
21
18
15
12
9
6
3
0
SDE 150 mg
0
40
80
120
160
200
240
280
320
360
Time (h)

Fig. 8

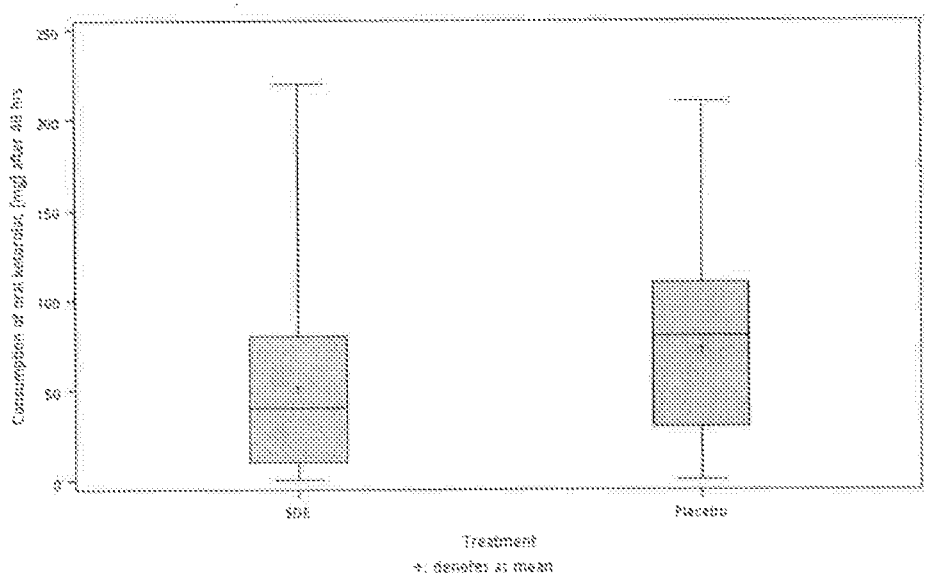

SDE
Placebo
Treatment

Fig. 9

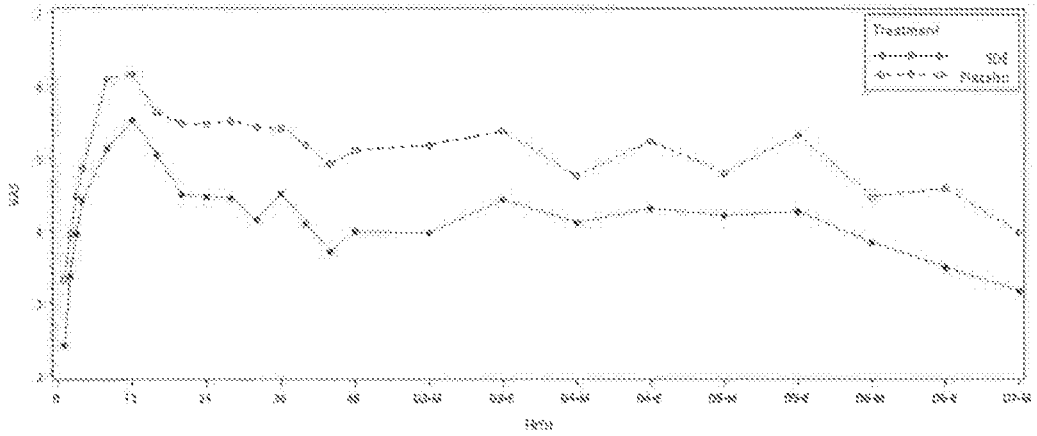

Treatment
SDE
Placebo

Fig. 10

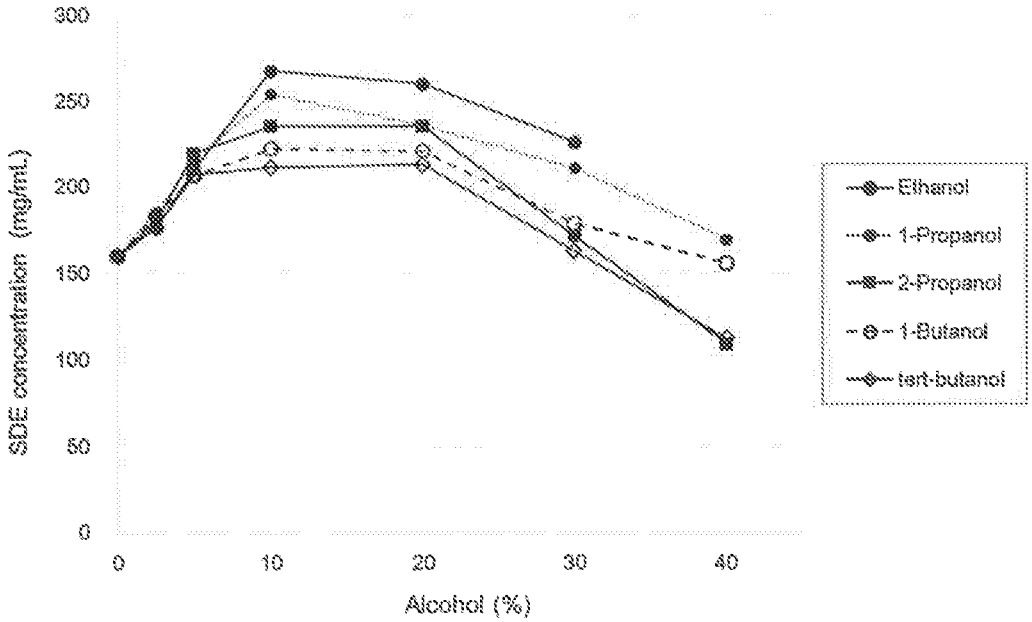

300
250
200
150
100
50
0
SDE concentration (mg/mL)
0
10
20
30
40
Alcohol (%)
Ethanol
1-Propanol
2-Propanol
1-Butanol
tert-butanol

Fig. 11

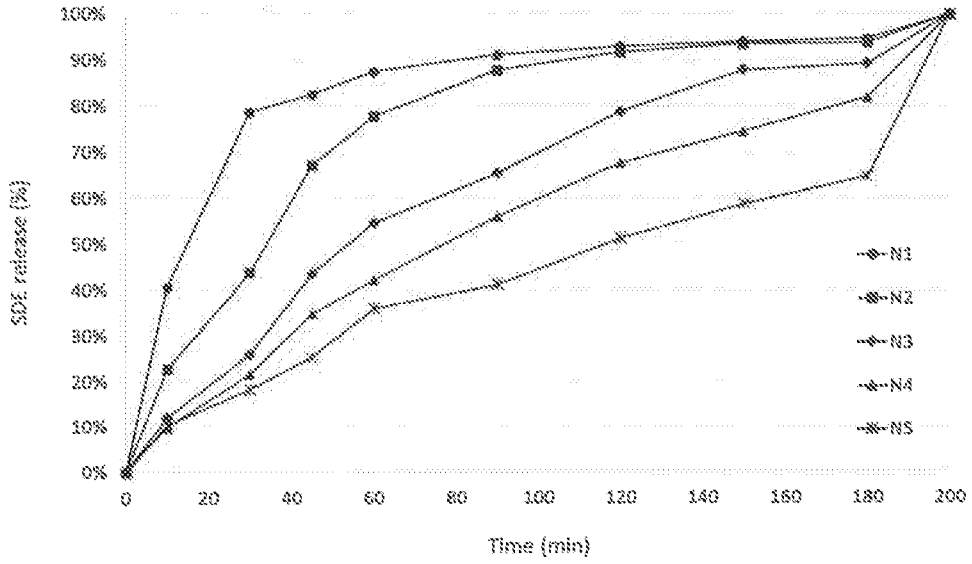

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
SDE release (%)
0
20
40
60
80
100
120
140
160
180
200
Time (min)
N1
N2
N3
N4
N5

Fig. 12

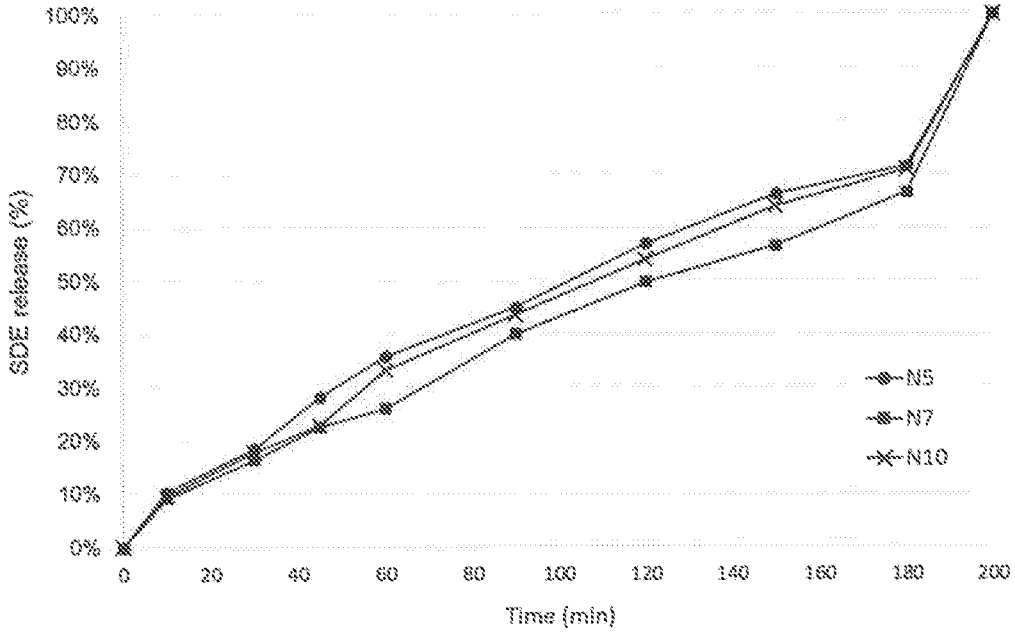

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
SDE release (%)
0
20
40
60
80
100
120
140
160
180
200
Time (min)
N5
N7
N10

Fig. 13

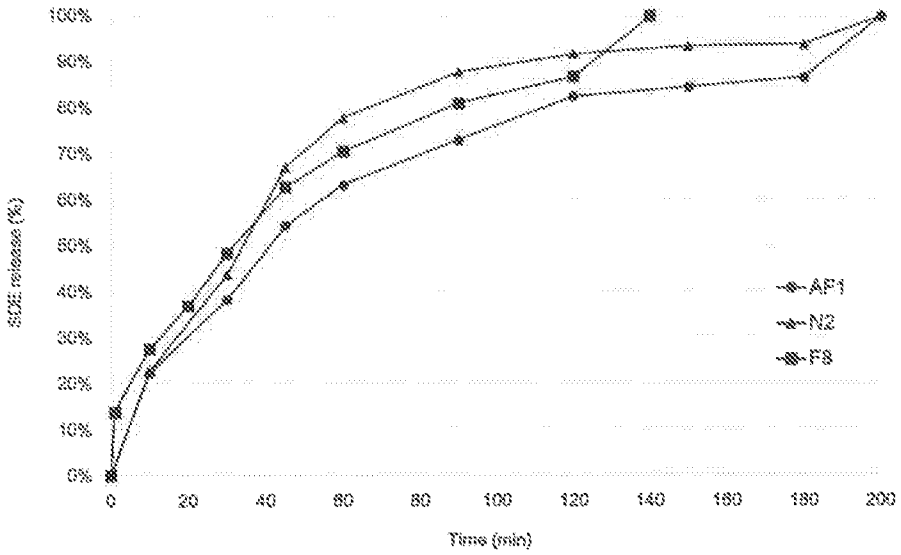

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
SDE release (%)
0
20
40
60
80
100
120
140
160
180
200
Time (min)
AF1
N2
F8

Fig. 14

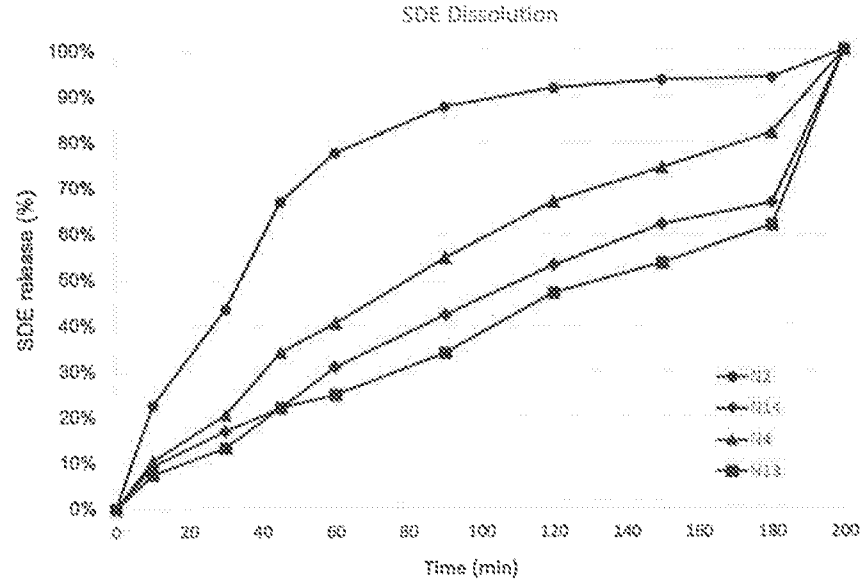

SDE Dissolution
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
SDE release (%)
0
20
40
60
80
100
120
140
160
180
200
Time (min)

Fig. 15