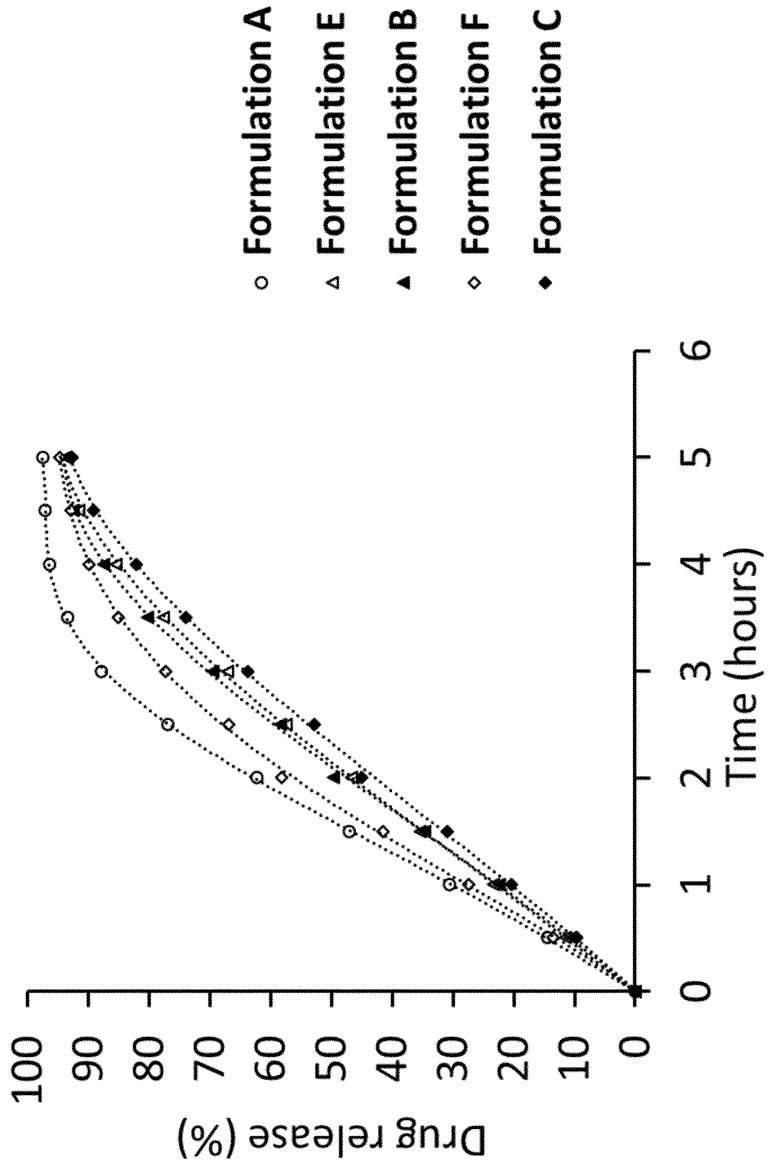

Formulation A
Formulation E
Formulation B
Formulation F
Formulation C
Drug release (%)
100
90
80
70
60
50
40
30
20
10
0
0
1
2
3
4
5
6
Time (hours)

Fig. 1

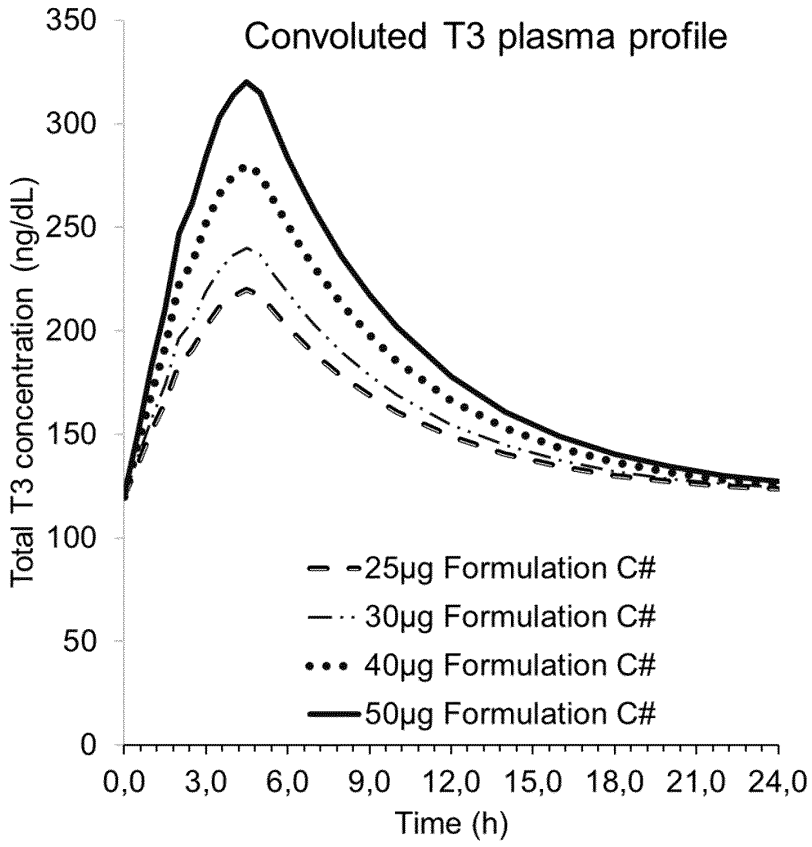

Convoluted T3 plasma profile
Total T3 concentration (ng/dL)
350
300
250
200
150
100
50
0
0,0
3,0
6,0
9,0
12,0
15,0
18,0
21,0
24,0
Time (h)
25µg Formulation C#
30µg Formulation C#
40µg Formulation C#
50µg Formulation C#

Fig. 2

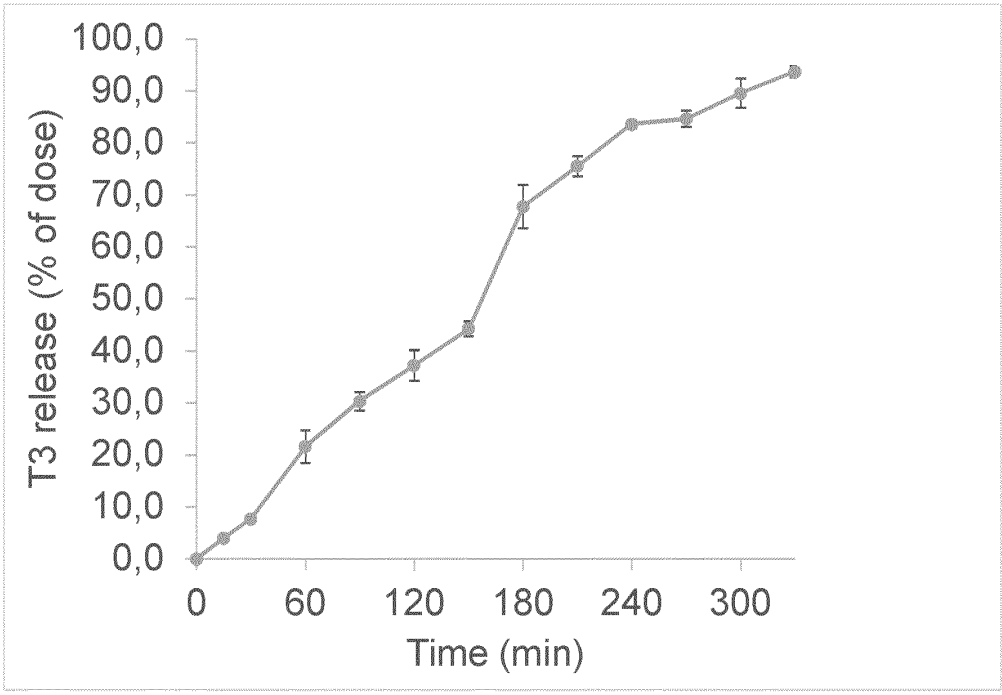

100,0
90,0
80,0
70,0
60,0
50,0
40,0
30,0
20,0
10,0
0,0
T3 release (% of dose)
0
60
120
180
240
300
Time (min)

Fig. 3

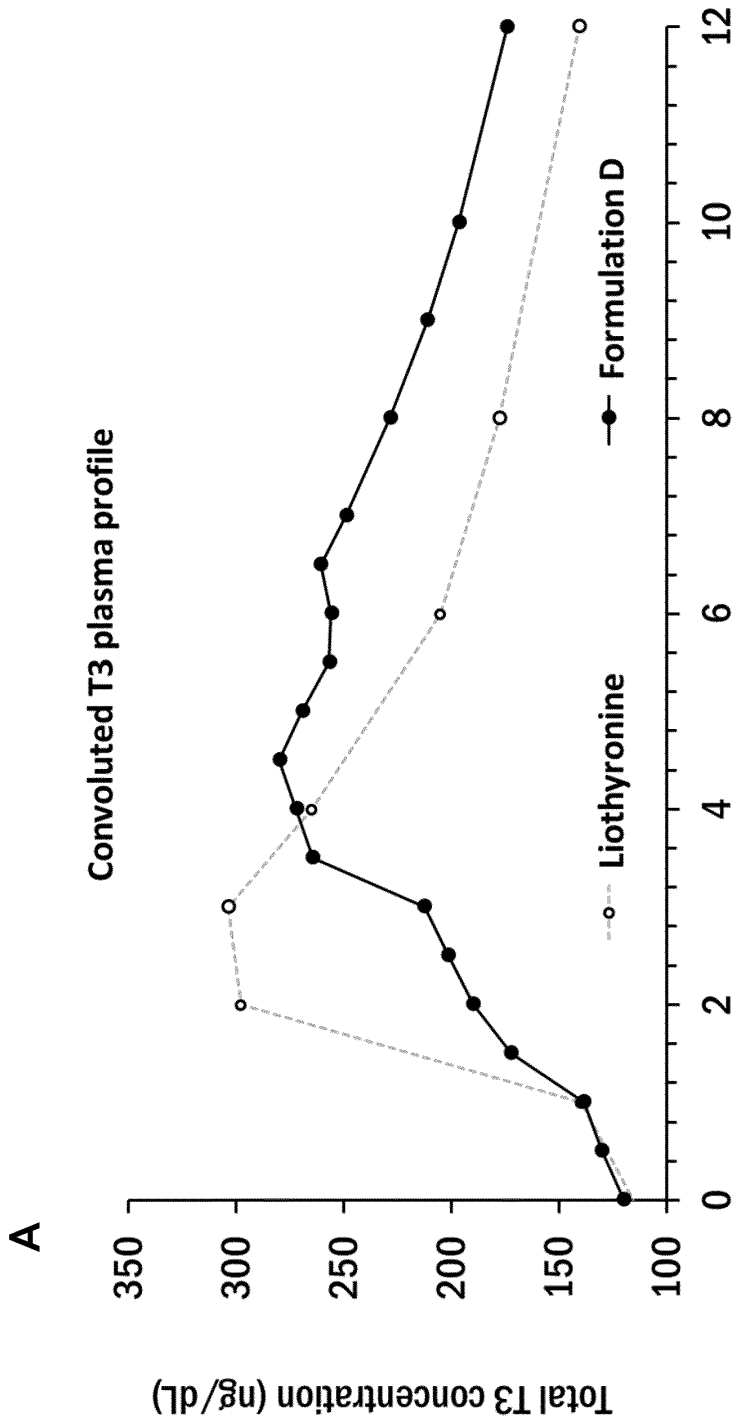

A
Convoluted T3 plasma profile
Total T3 concentration (ng/dL)
350
300
250
200
150
100
0
2
4
6
8
10
12
Liothyronine
Formulation D

Fig. 4

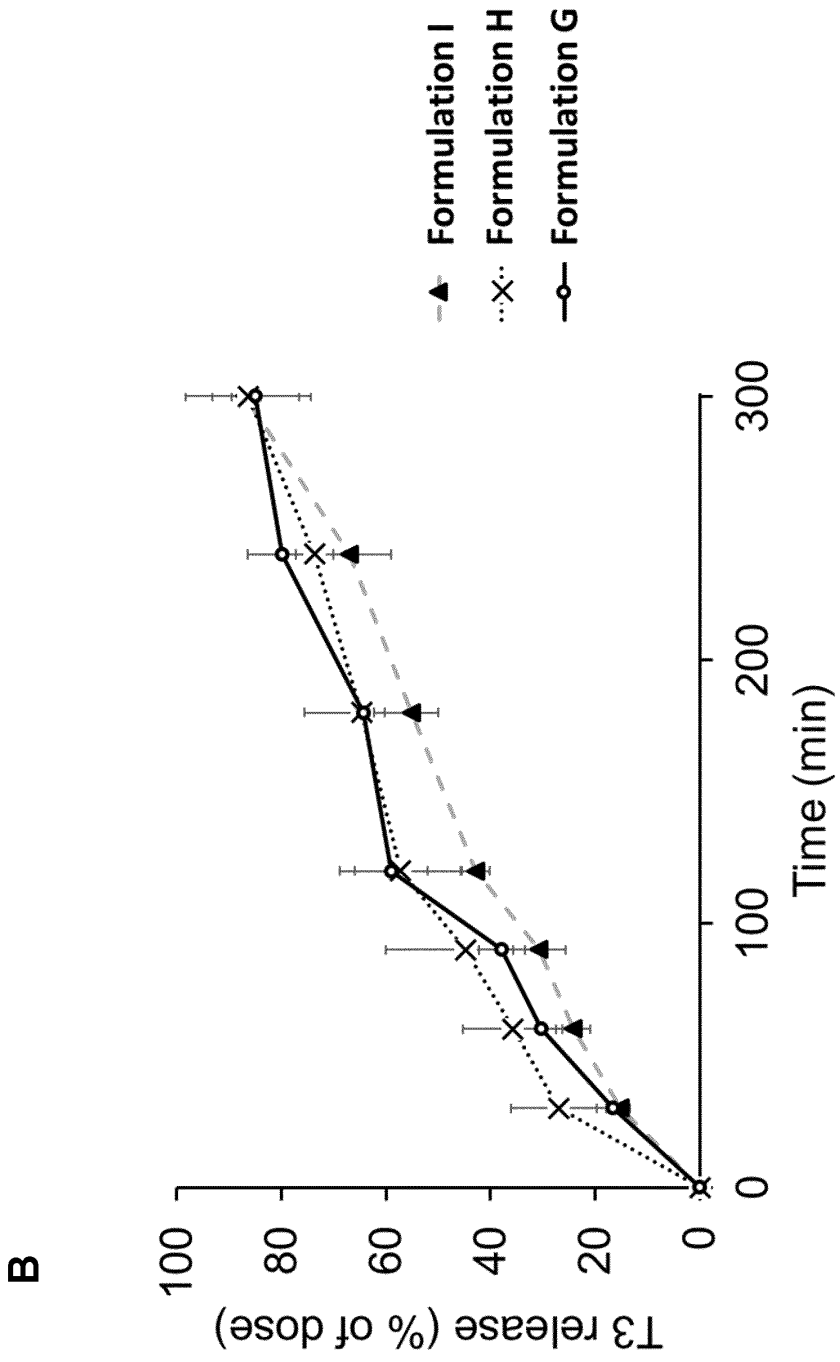

B
T3 release (% of dose)
100
80
60
40
20
0
0
100
200
300
Time (min)
Formulation I
Formulation H
Formulation G

Fig. 4, cont.

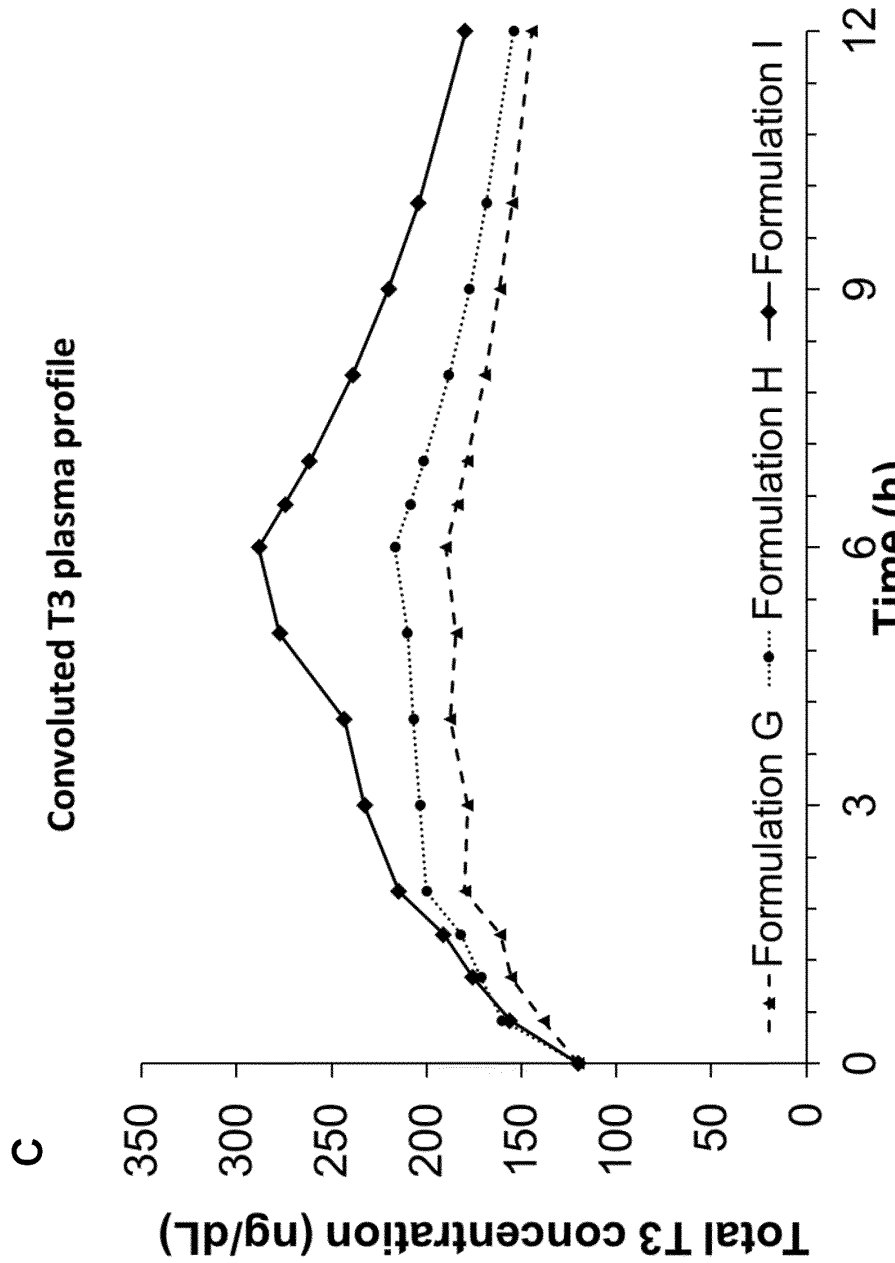

C
Convoluted T3 plasma profile
Total T3 concentration (ng/dL)
350
300
250
200
150
100
50
0
0
3
6
9
12
Time (h)
Formulation G
Formulation H
Formulation I

Fig. 4, cont.

D

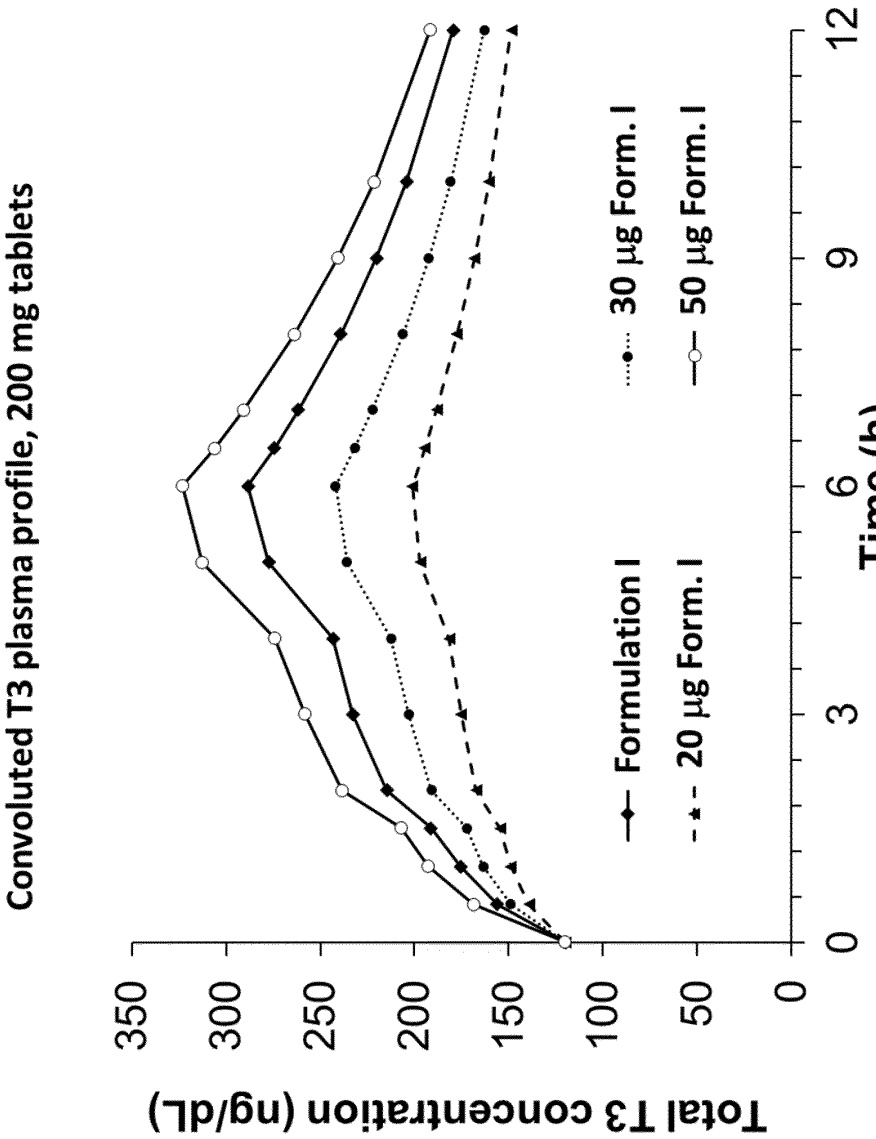

Convoluted T3 plasma profile, 200 mg tablets
Total T3 concentration (ng/dL)
350
300
250
200
150
100
50
0
0
3
6
9
12
Time (h)
Formulation I
30 µg Form. I
20 µg Form. I
50 µg Form. I

Fig. 4, cont.

E

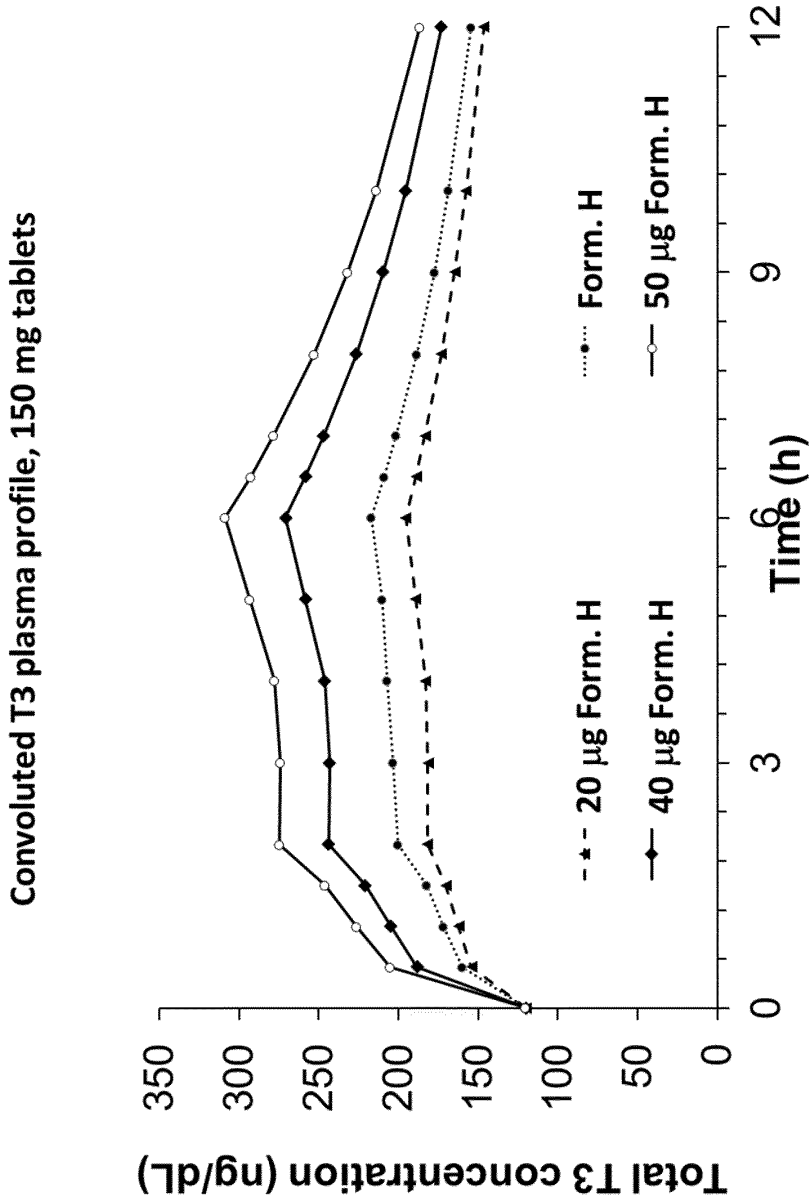

Convoluted T3 plasma profile, 150 mg tablets
Total T3 concentration (ng/dL)
350
300
250
200
150
100
50
0
0
3
6
9
12
Time (h)
20 µg Form. H
40 µg Form. H
Form. H
50 µg Form. H

Fig. 4, cont.

F

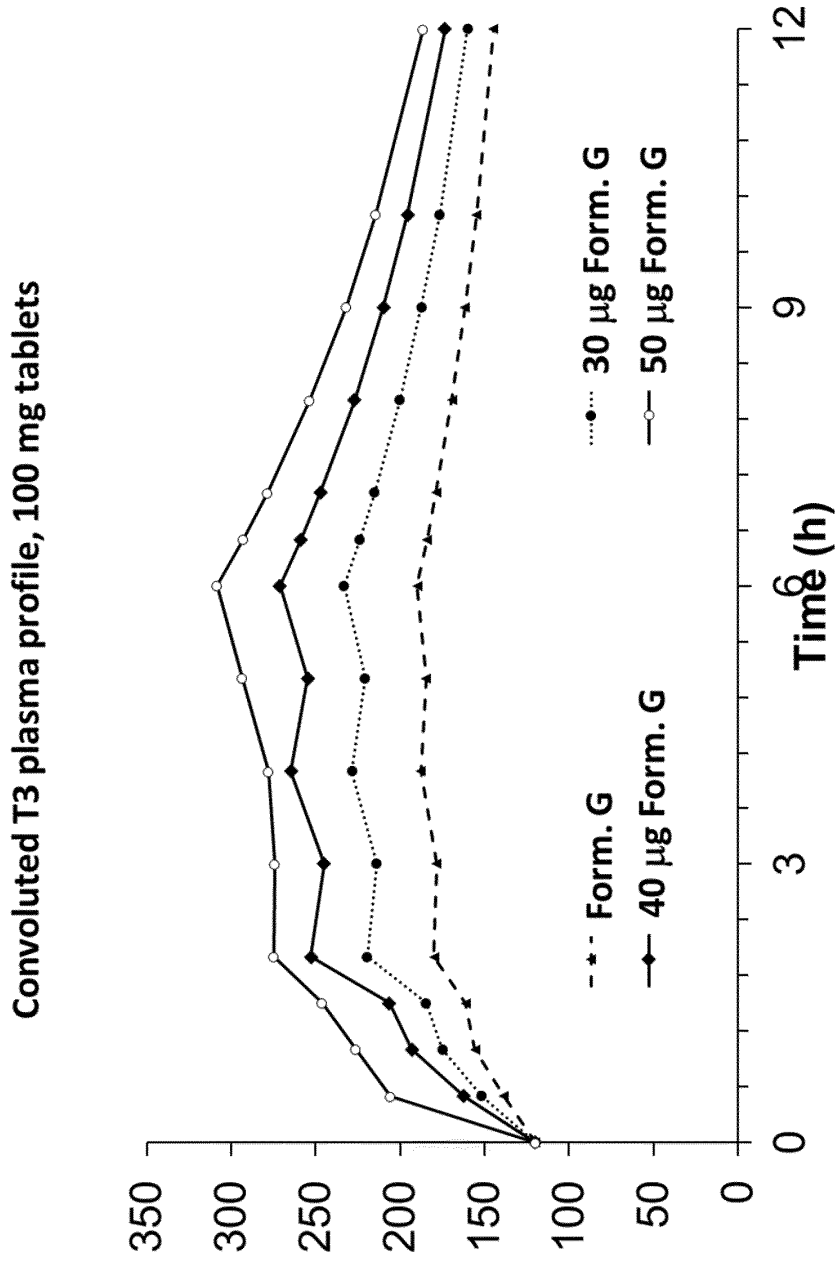

Convoluted T3 plasma profile, 100 mg tablets
Time (h)
0
3
6
9
12
0
50
100
150
200
250
300
350
Form. G
30 µg Form. G
40 µg Form. G
50 µg Form. G

Fig. 4, cont.

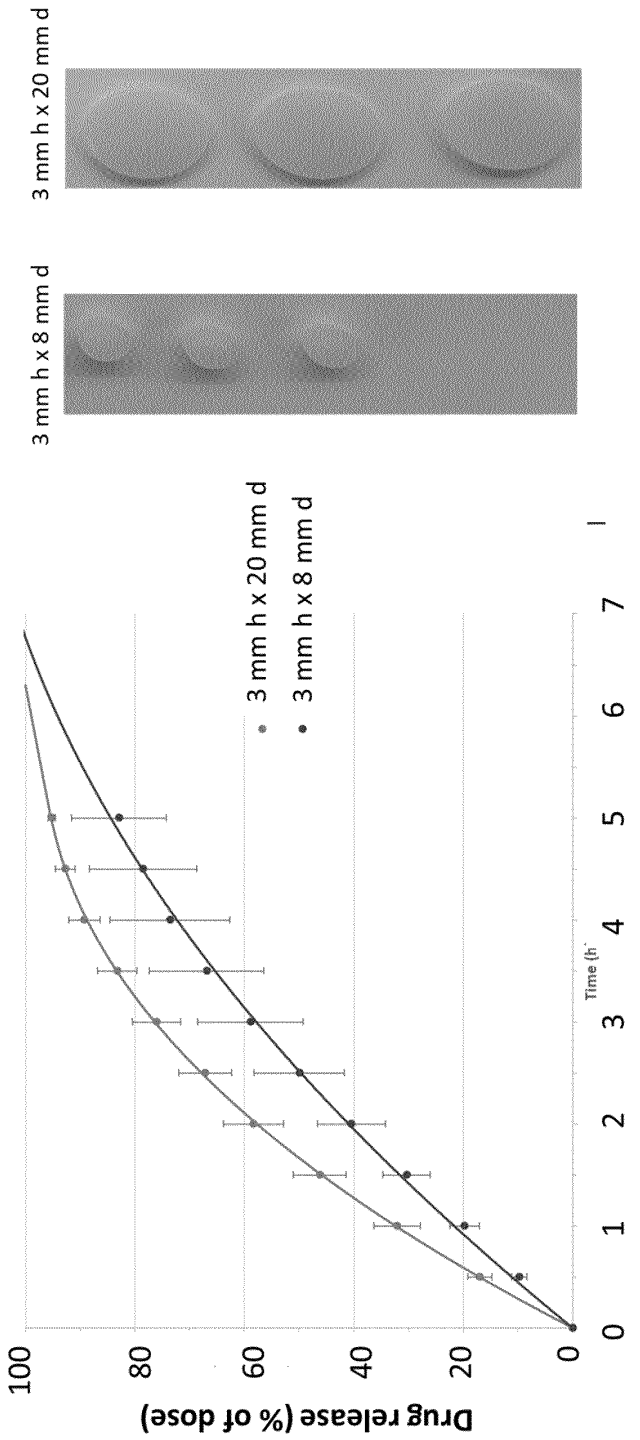

3 mm h x 20 mm d
3 mm h x 8 mm d
3 mm h x 20 mm d
3 mm h x 8 mm d
Drug release (% of dose)
100
80
60
40
20
0
0
1
2
3
4
5
6
7
Time (h)

Fig. 5

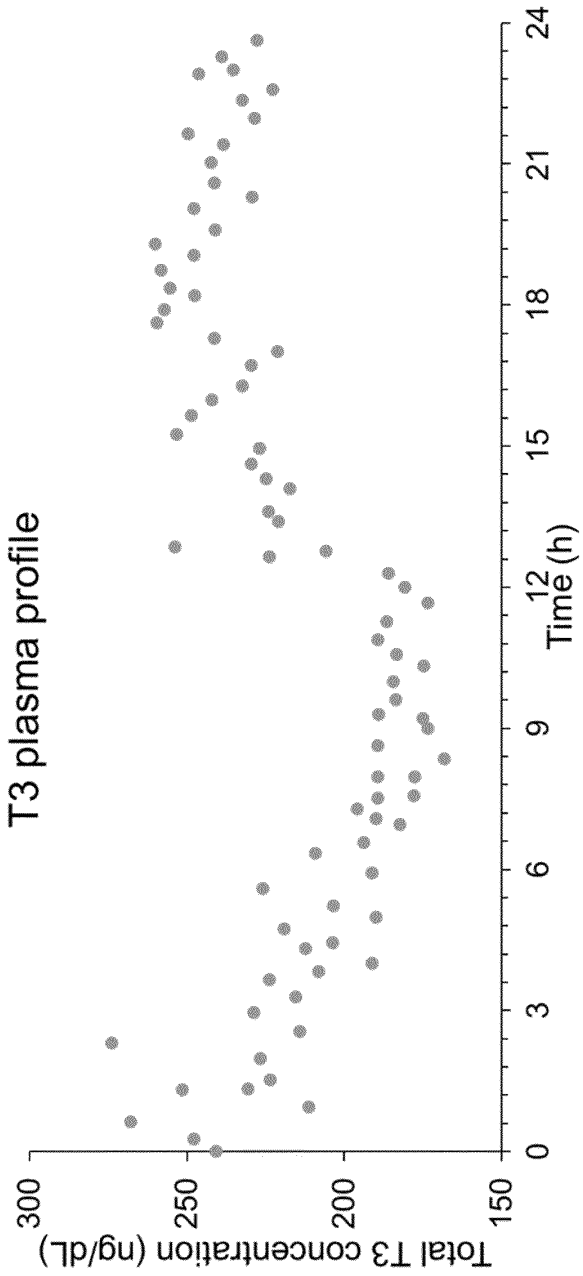
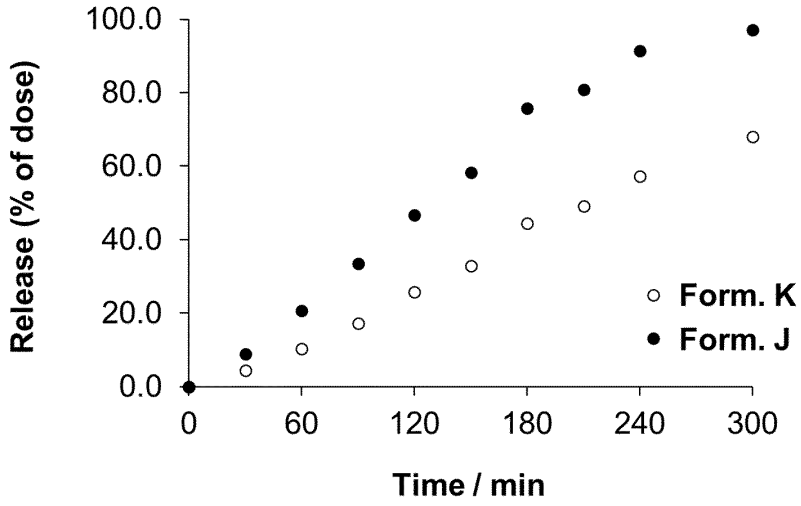

T3 plasma profile
Total T3 concentration (ng/dL)
300
250
200
150
0
3
6
9
12
15
18
21
24
Time (h)

Fig. 6

A


Melatonin release
Release (% of dose)
100.0
80.0
60.0
40.0
20.0
0.0
0
60
120
180
240
300
Time / min
Form. K
Form. J

B

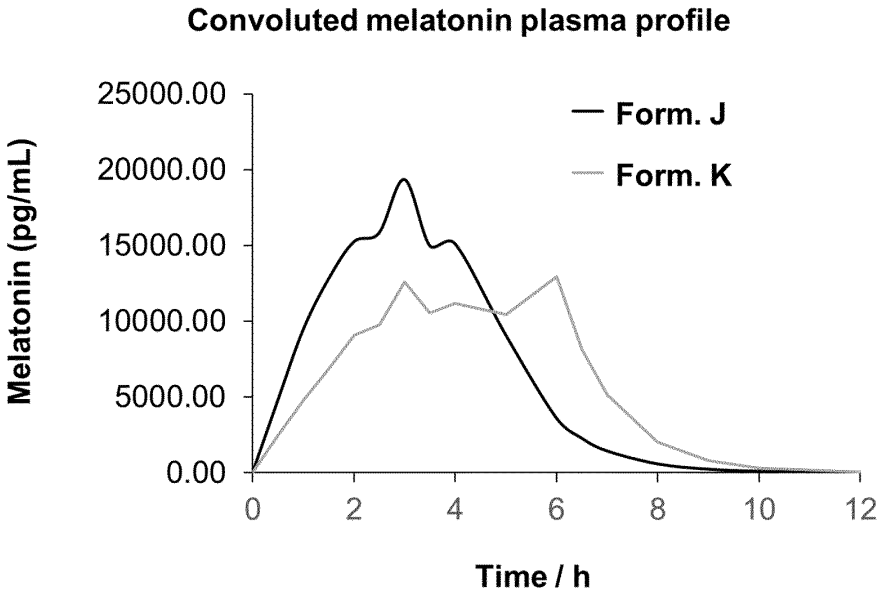

Convoluted melatonin plasma profile
Melatonin (pg/mL)
25000.00
20000.00
15000.00
10000.00
5000.00
0.00
0
2
4
6
8
10
12
Time / h
Form. J
Form. K

Fig. 7