Fig. 1

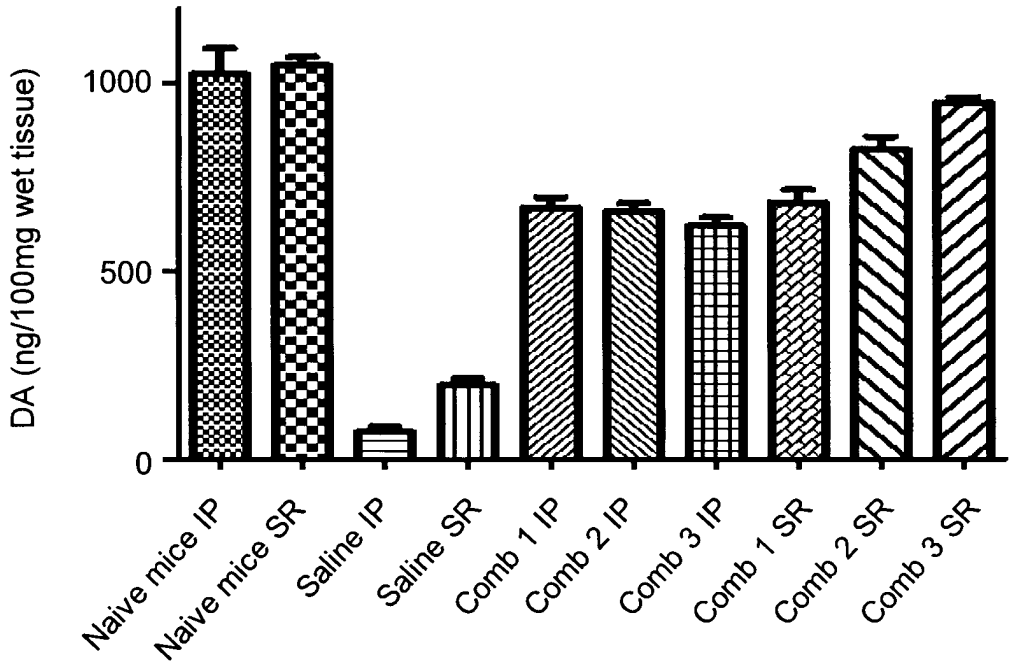

DA (ng/100mg wet tissue)
1000
500
0
Naive mice IP
Naive mice SR
Saline IP
Saline SR
Comb 1 IP
Comb 2 IP
Comb 3 IP
Comb 1 SR
Comb 2 SR
Comb 3 SR

Fig. 2

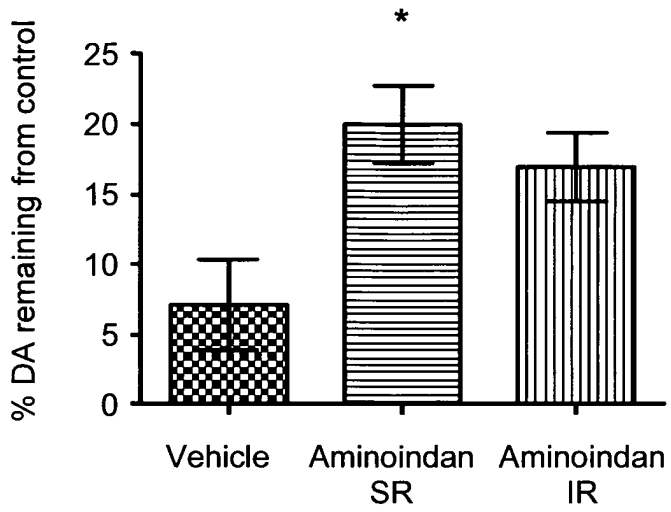

*
% DA remaining from control
25
20
15
10
5
0
Vehicle
Aminoindan SR
Aminoindan IR

Fig. 3

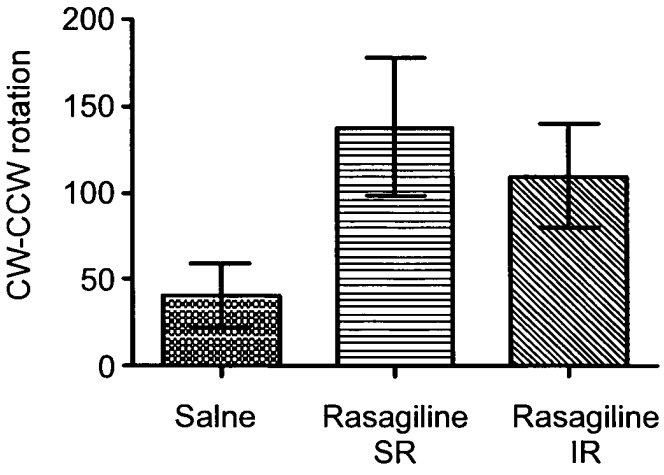

CW-CCW rotation
200
150
100
50
0
Salne
Rasagiline SR
Rasagiline IR

Fig. 4

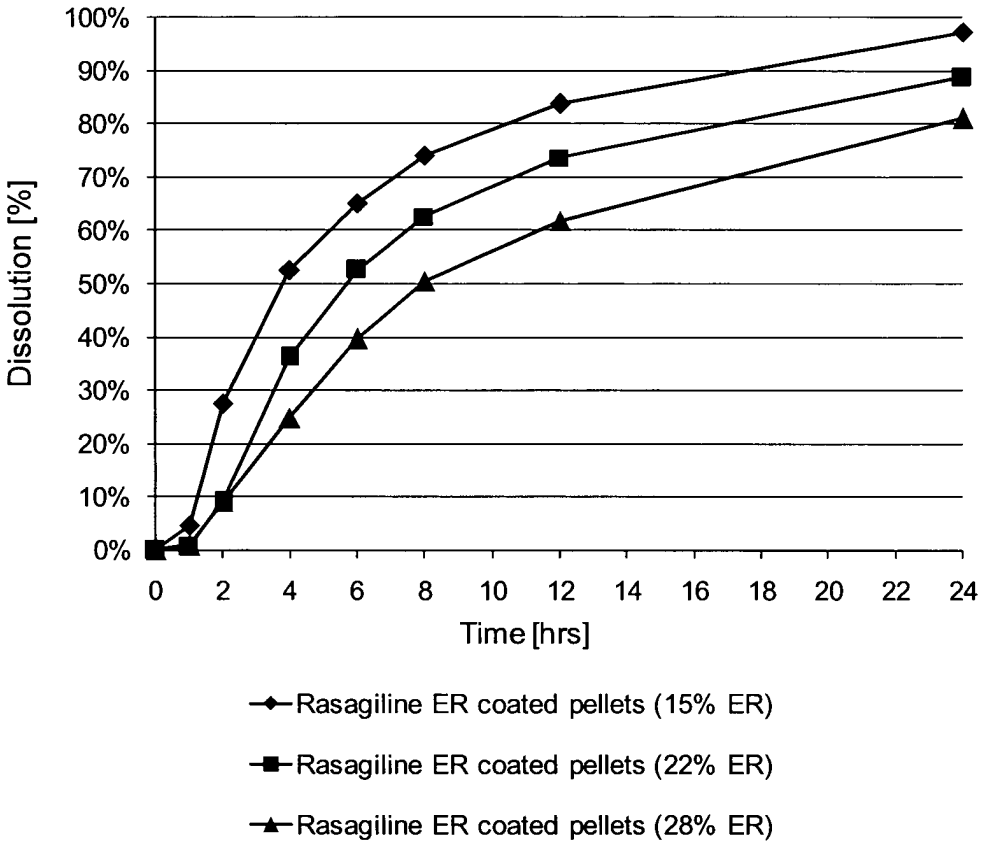

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Dissolution [%]
0
2
4
6
8
10
12
14
16
18
20
22
24
Time [hrs]
Rasagiline ER coated pellets (15% ER)
Rasagiline ER coated pellets (22% ER)
Rasagiline ER coated pellets (28% ER)

Fig. 5

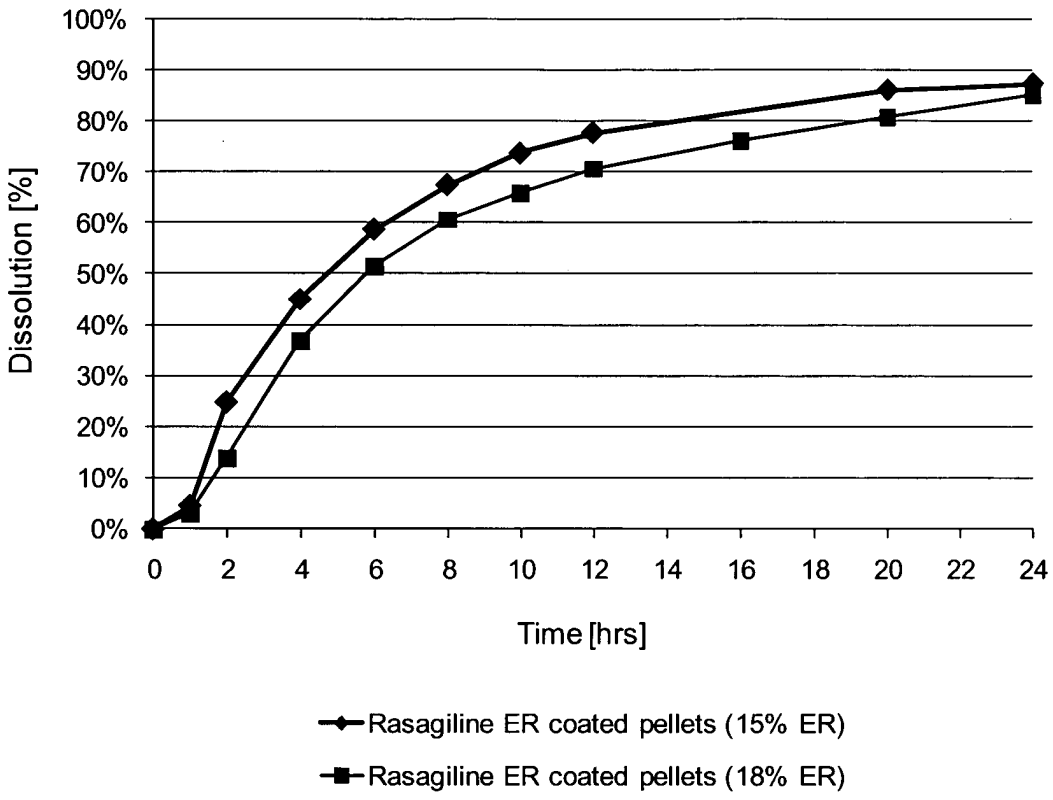

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Dissolution [%]
0
2
4
6
8
10
12
14
16
18
20
22
24
Time [hrs]
Rasagiline ER coated pellets (15% ER)
Rasagiline ER coated pellets (18% ER)

Fig. 6

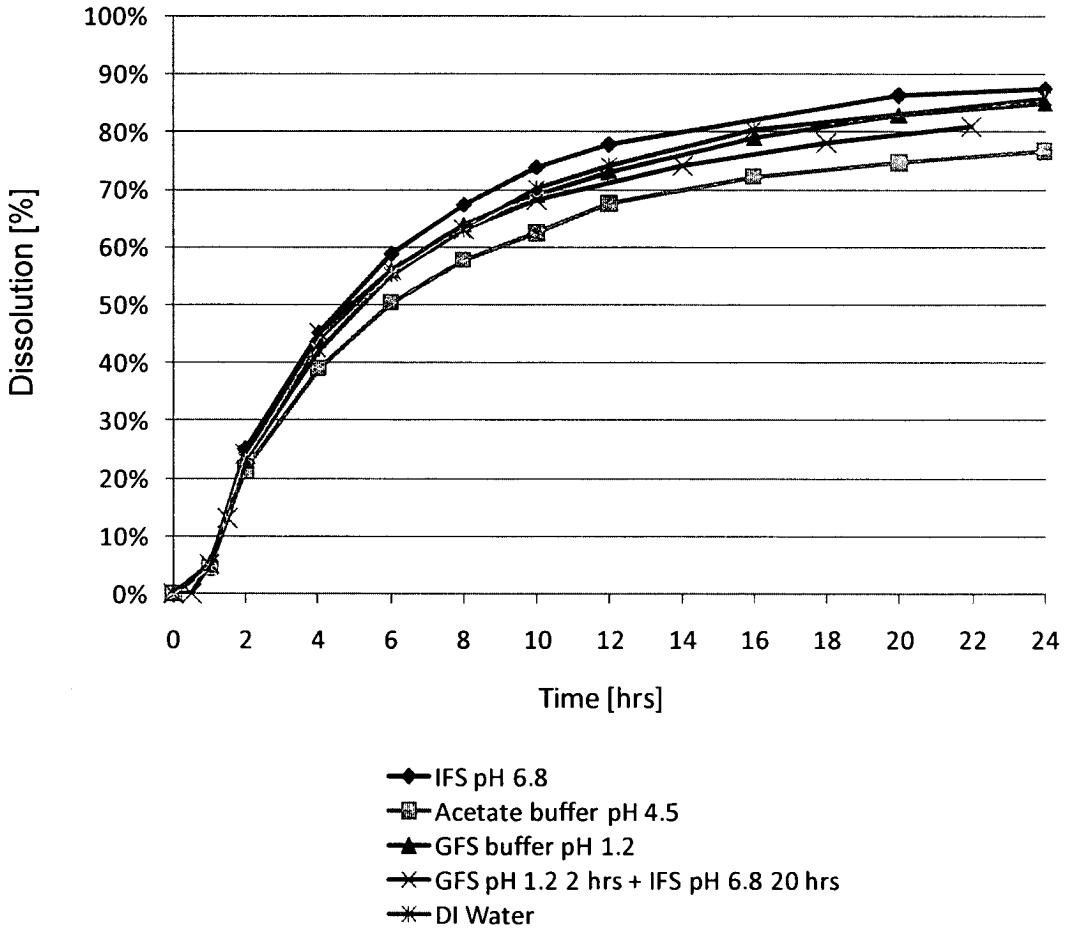

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Dissolution [%]
0
2
4
6
8
10
12
14
16
18
20
22
24
Time [hrs]
IFS pH 6.8
Acetate buffer pH 4.5
GFS buffer pH 1.2
GFS pH 1.2 2 hrs + IFS pH 6.8 20 hrs
DI Water

Fig. 7

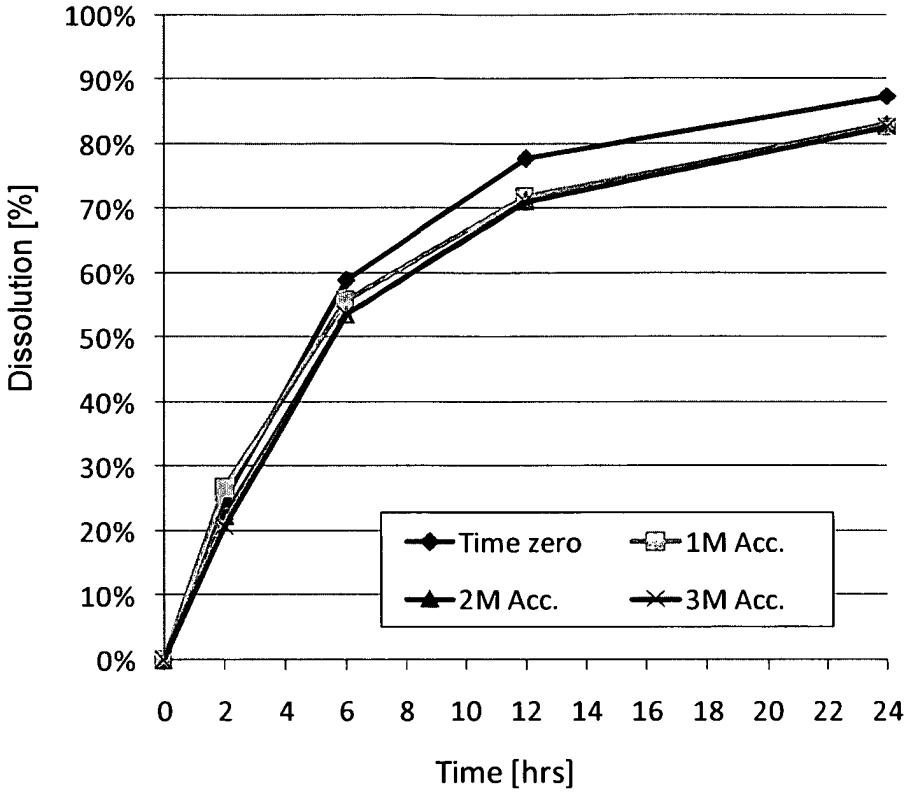

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Dissolution [%]
0 2 4 6 8 10 12 14 16 18 20 22 24
Time [hrs]
Time zero
1M Acc.
2M Acc.
3M Acc.

Fig. 8

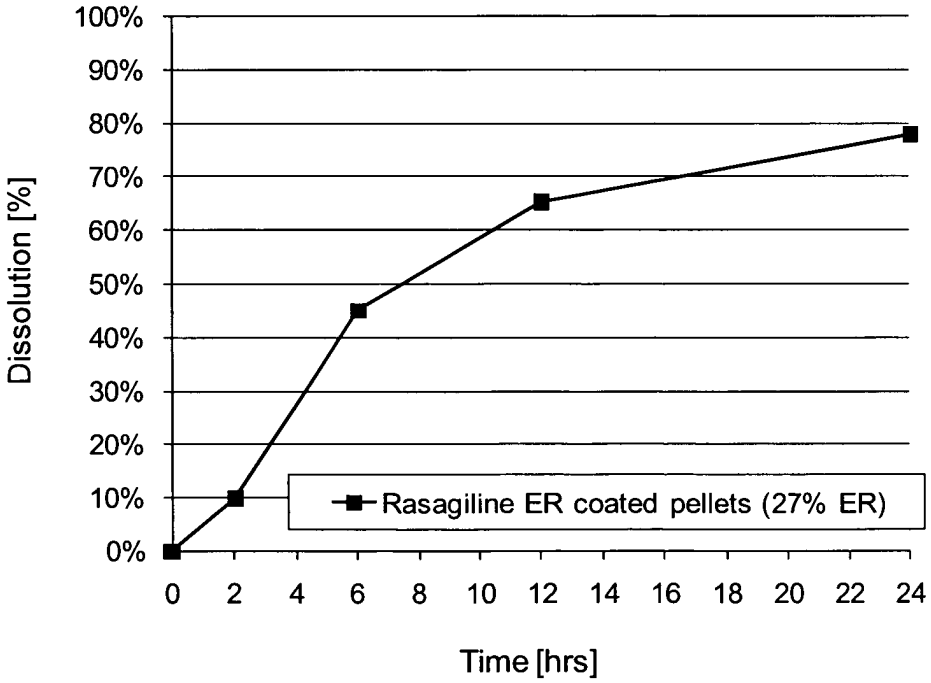
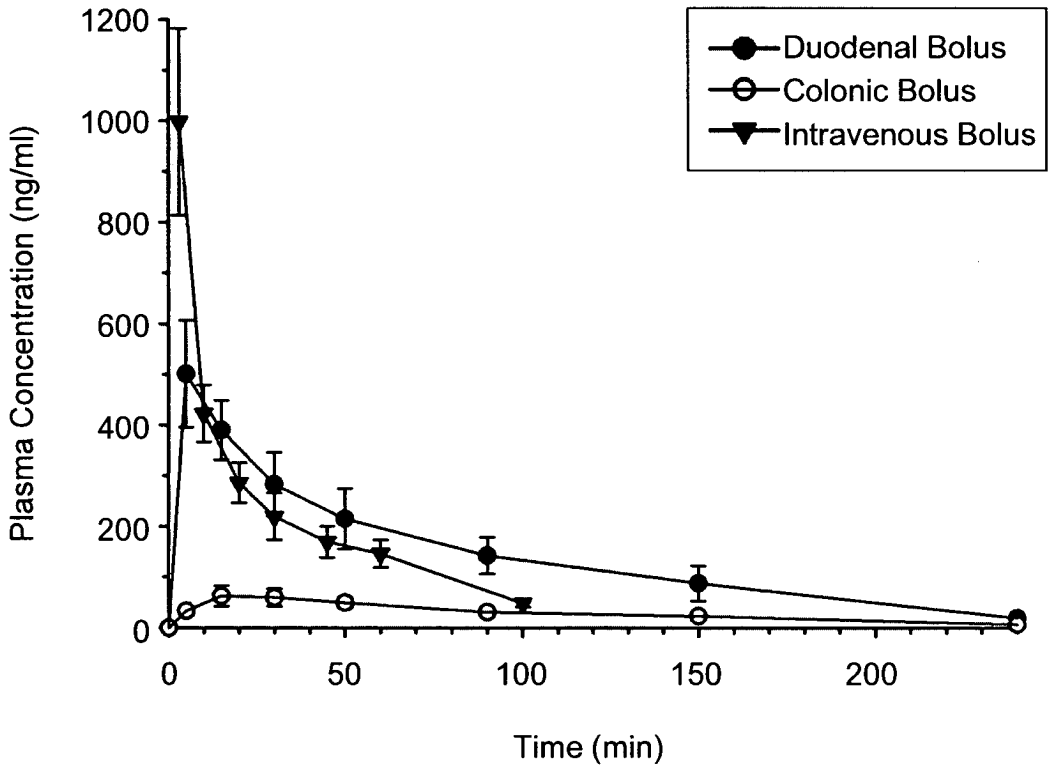

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Dissolution [%]
0 2 4 6 8 10 12 14 16 18 20 22 24
Time [hrs]
Rasagiline ER coated pellets (27% ER)

Fig. 9


Duodenal Bolus
Colonic Bolus
Intravenous Bolus
Plasma Concentration (ng/ml)
1200
1000
800
600
400
200
0
0
50
100
150
200
Time (min)