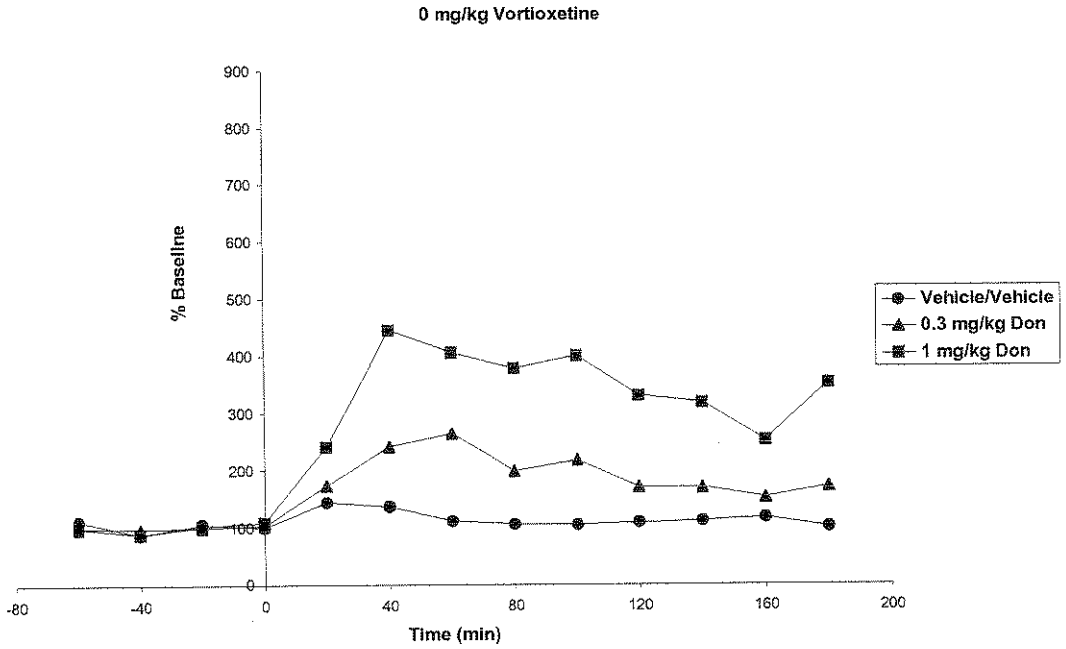

0 mg/kg Vortioxetine
% Baseline
900
800
700
600
500
400
300
200
100
0
-80
-40
0
40
80
120
160
200
Time (min)
Vehicle/Vehicle
0.3 mg/kg Don
1 mg/kg Don

Fig. 1A

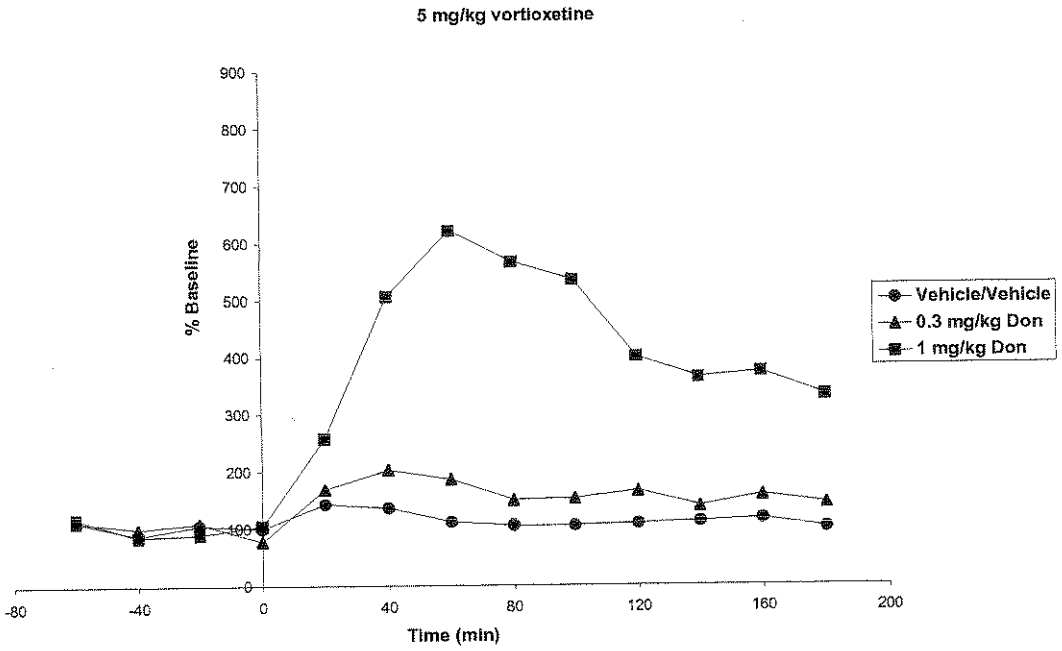

5 mg/kg vortioxetine
% Baseline
900
800
700
600
500
400
300
200
100
0
-80
-40
0
40
80
120
160
200
Time (min)
Vehicle/Vehicle
0.3 mg/kg Don
1 mg/kg Don

Fig. 1B

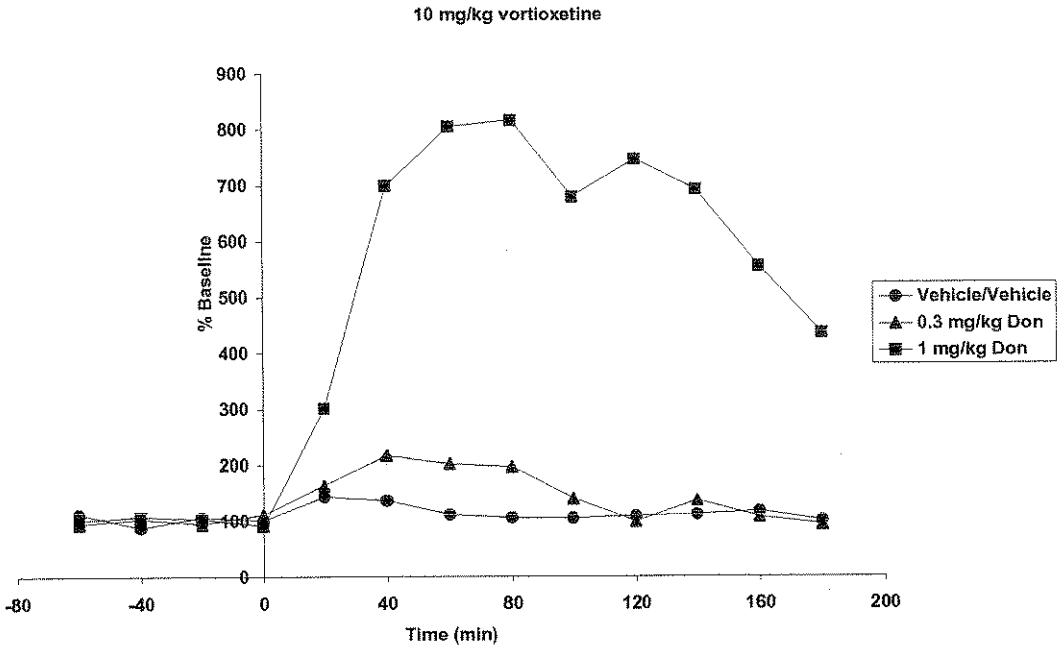

10 mg/kg vortioxetine
% Baseline
900
800
700
600
500
400
300
200
100
0
-80
-40
0
40
80
120
160
200
Time (min)
Vehicle/Vehicle
0.3 mg/kg Don
1 mg/kg Don

Fig. 1C

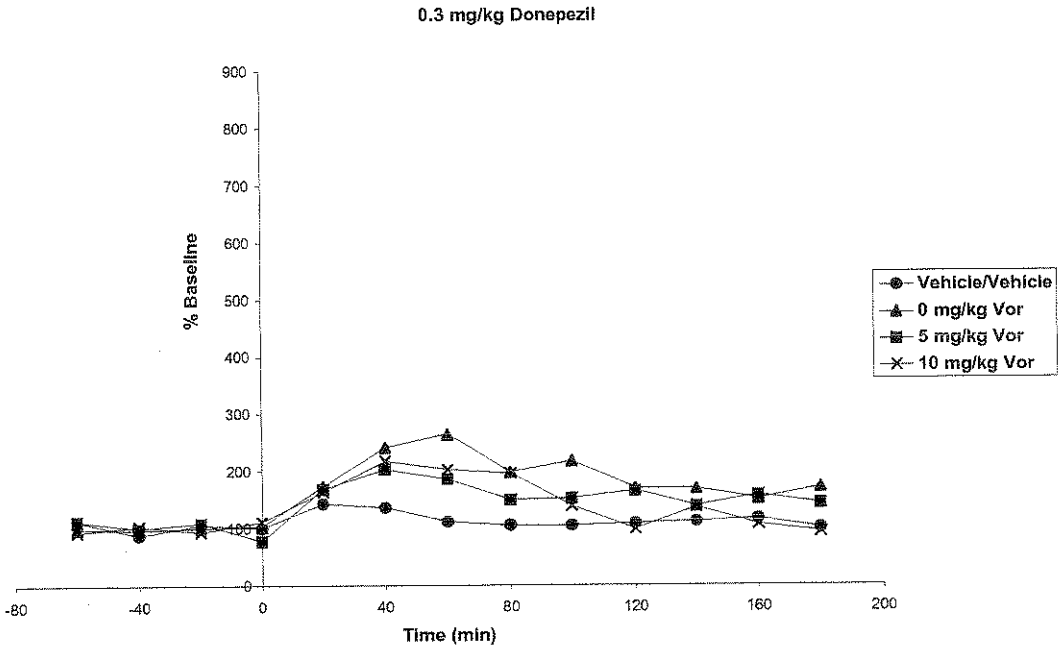

0.3 mg/kg Donepezil
% Baseline
900
800
700
600
500
400
300
200
100
0
-80
-40
0
40
80
120
160
200
Time (min)
Vehicle/Vehicle
0 mg/kg Vor
5 mg/kg Vor
10 mg/kg Vor

Fig. 2A

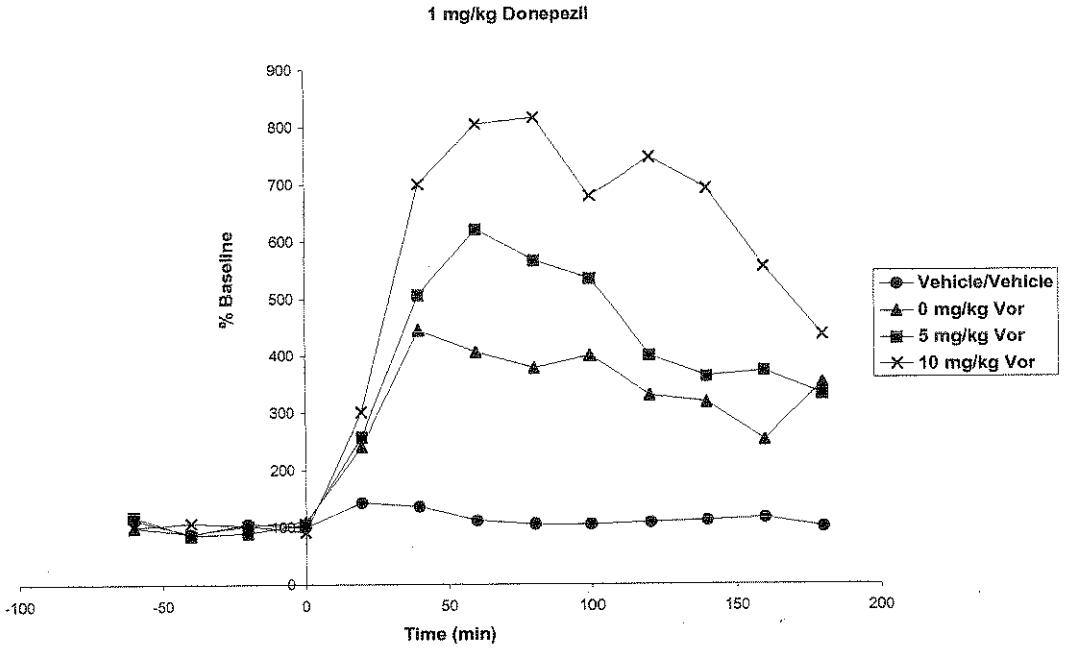

1 mg/kg Donepezil
% Baseline
900
800
700
600
500
400
300
200
100
0
-100
-50
0
50
100
150
200
Time (min)
Vehicle/Vehicle
0 mg/kg Vor
5 mg/kg Vor
10 mg/kg Vor

Fig. 2B

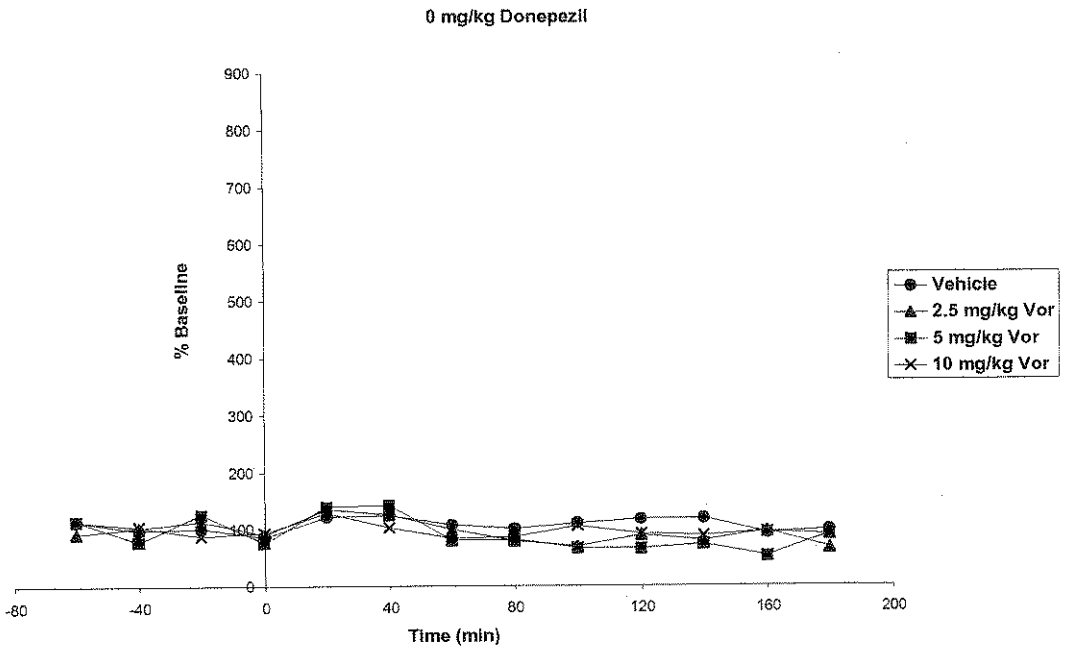

0 mg/kg Donepezil
% Baseline
900
800
700
600
500
400
300
200
100
0
-80
-40
0
40
80
120
160
200
Time (min)
Vehicle
2.5 mg/kg Vor
5 mg/kg Vor
10 mg/kg Vor

Fig. 3

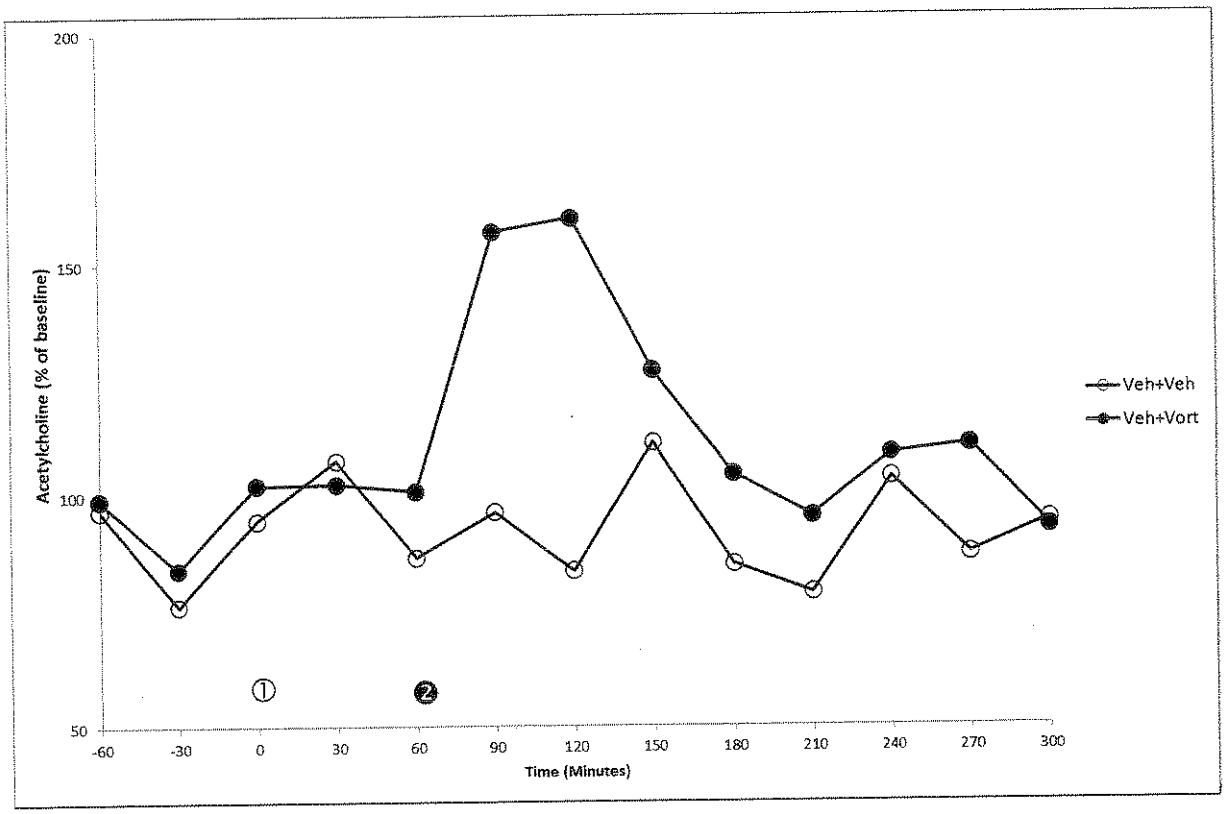

200
150
100
50
Acetylcholine (% of baseline)
-60
-30
0
30
60
90
120
150
180
210
240
270
300
Time (Minutes)
①
②
Veh+Veh
Veh+Vort

Fig. 4a

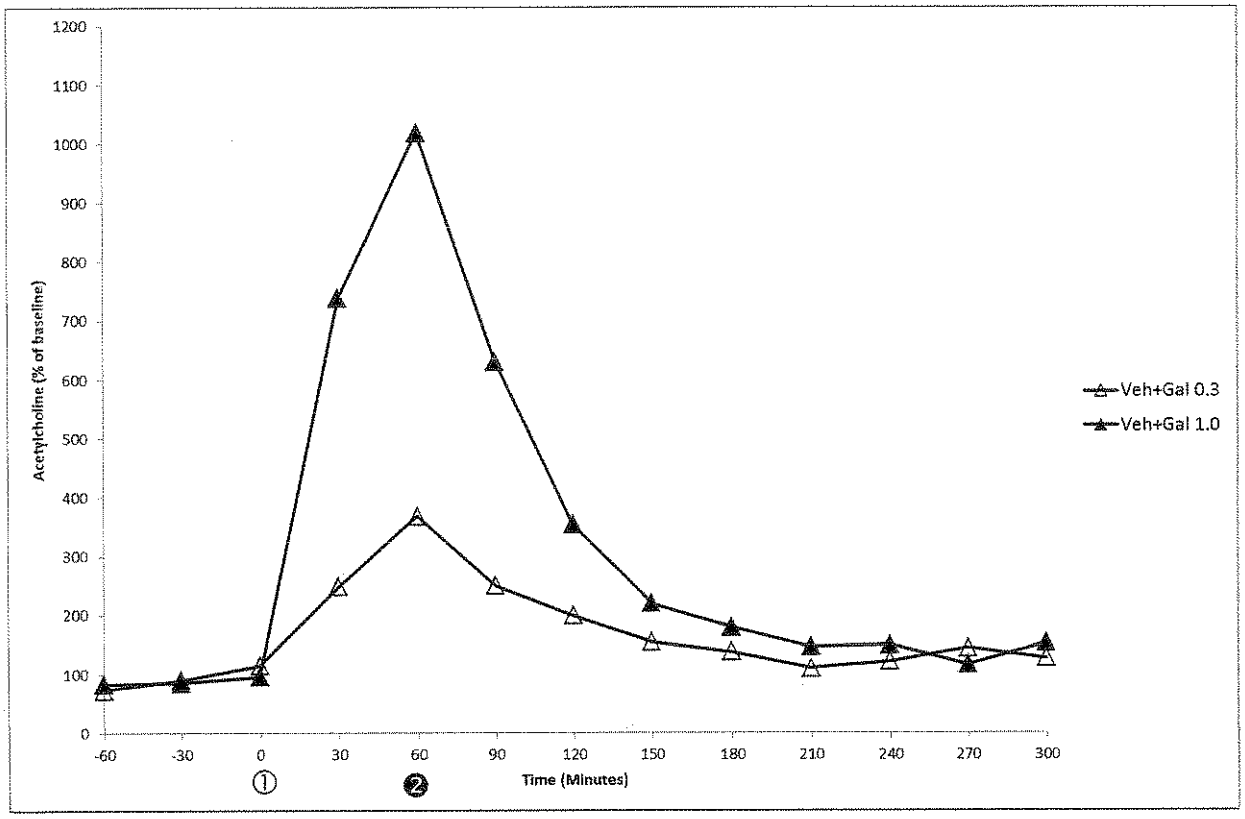

1200
1100
1000
900
800
700
600
500
400
300
200
100
0
Acetylcholine (% of baseline)
-60
-30
0
30
60
90
120
150
180
210
240
270
300
Time (Minutes)
①
②
Veh+Gal 0.3
Veh+Gal 1.0

Fig. 4b

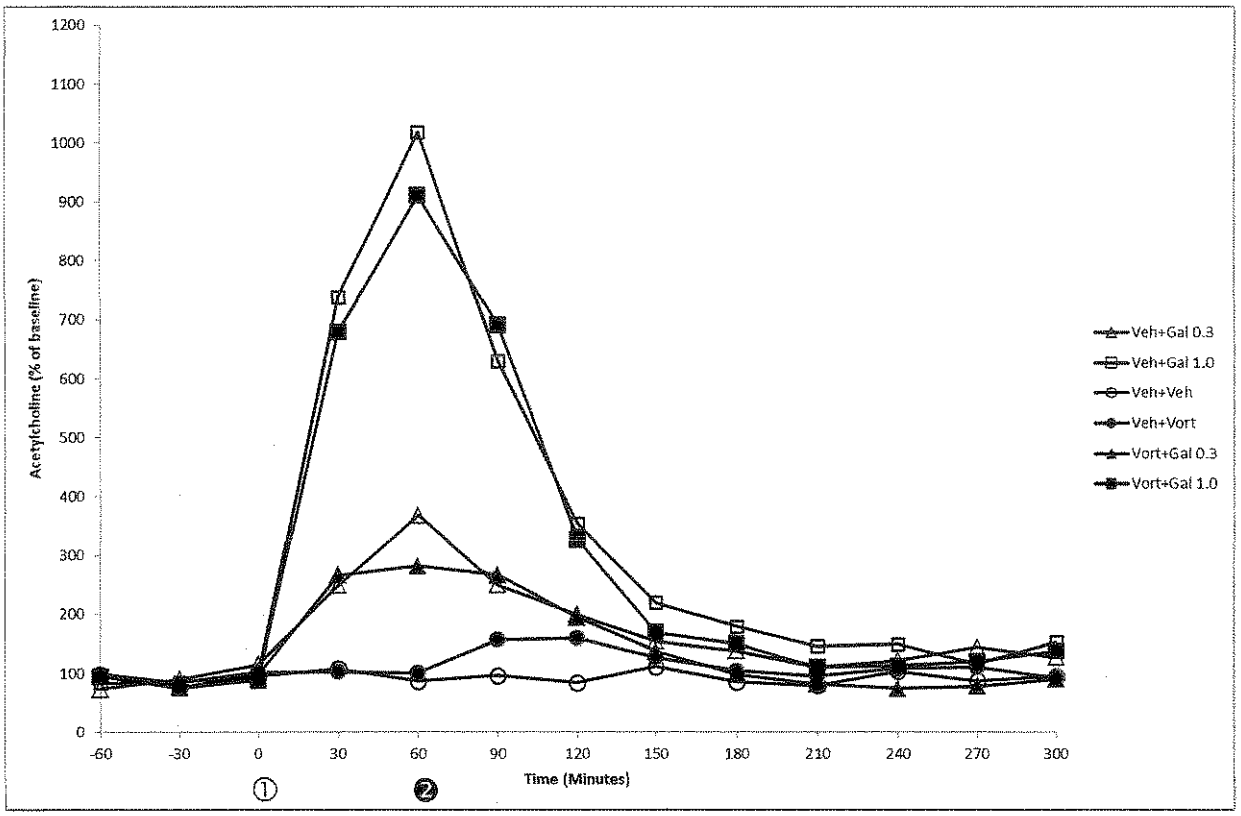

Acetylcholine (% of baseline)
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
-60
-30
0
30
60
90
120
150
180
210
240
270
300
Time (Minutes)
①
②
Veh+Gal 0.3
Veh+Gal 1.0
Veh+Veh
Veh+Vort
Vort+Gal 0.3
Vort+Gal 1.0

Fig. 4c

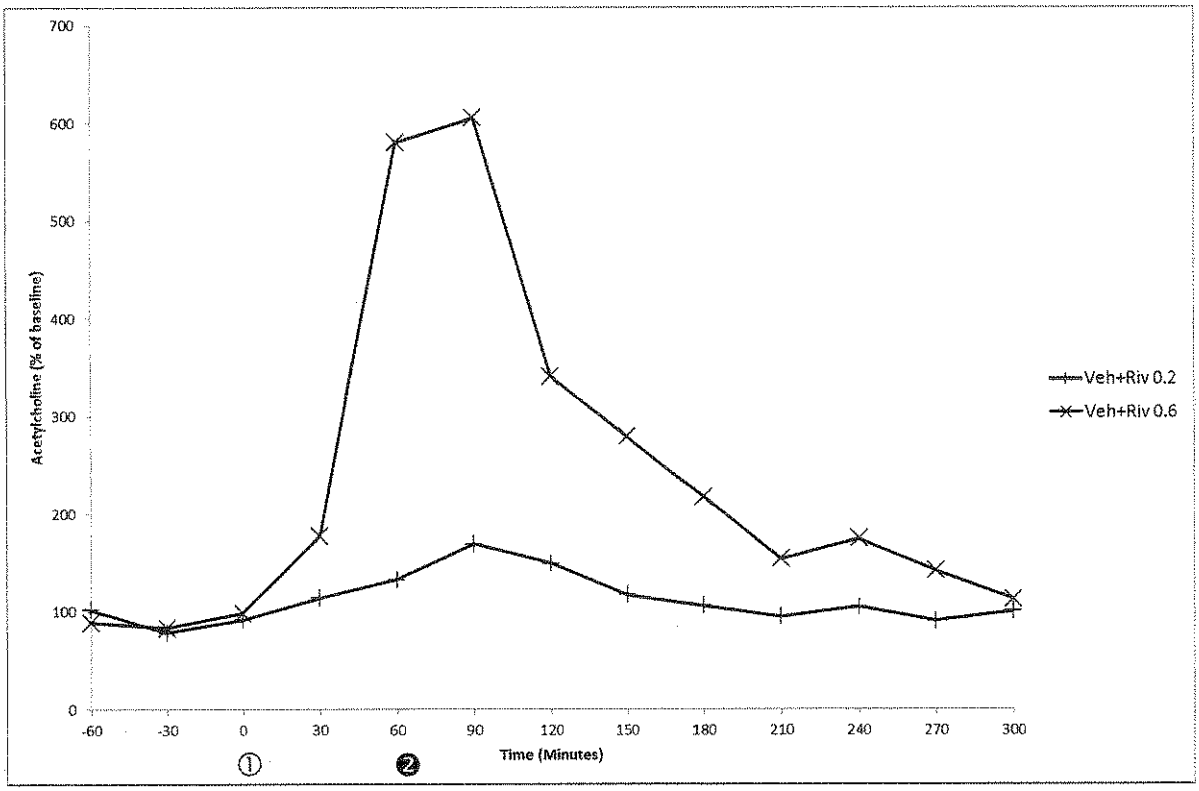

700
600
500
400
300
200
100
0
Acetylcholine (% of baseline)
-60
-30
0
30
60
90
120
150
180
210
240
270
300
Time (Minutes)
①
❷
Veh+Riv 0.2
Veh+Riv 0.6

Fig. 5a

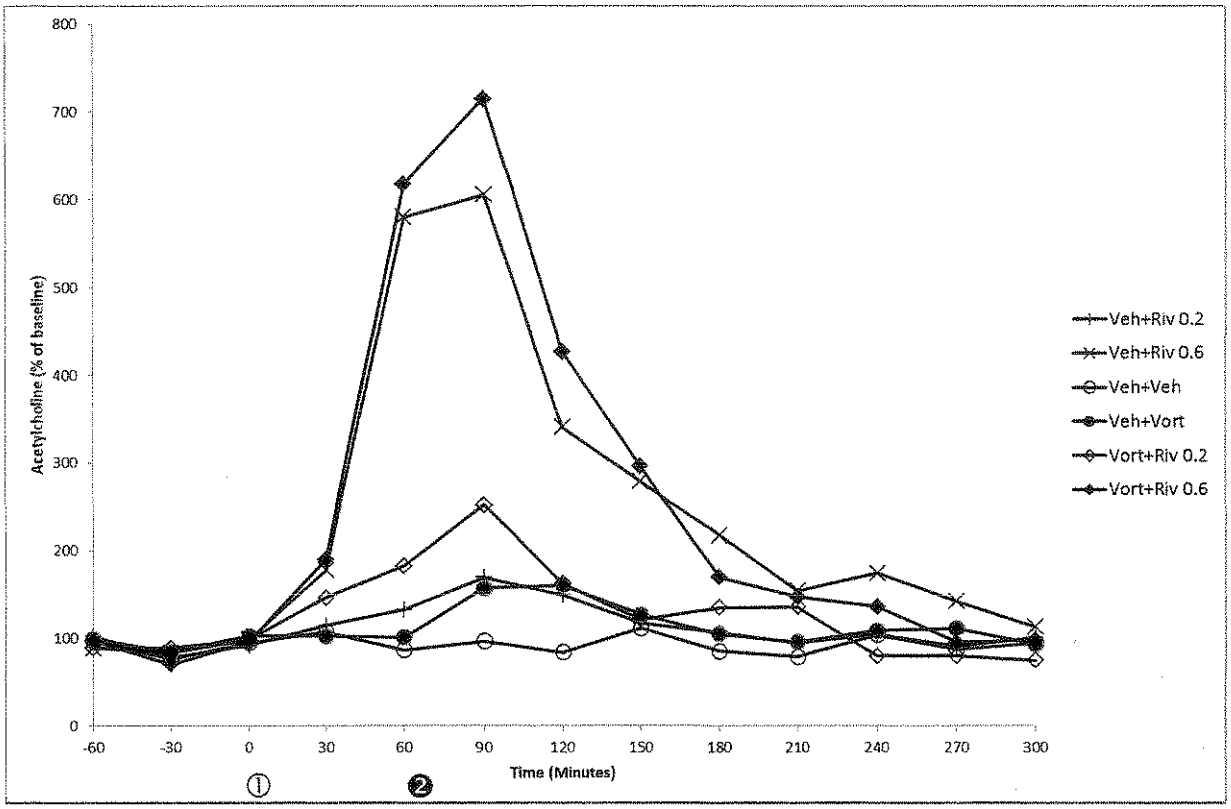

800
700
600
500
400
300
200
100
0
Acetylcholine (% of baseline)
-60
-30
0
30
60
90
120
150
180
210
240
270
300
Time (Minutes)
①
②
Veh+Riv 0.2
Veh+Riv 0.6
Veh+Veh
Veh+Vort
Vort+Riv 0.2
Vort+Riv 0.6

Fig. 5b

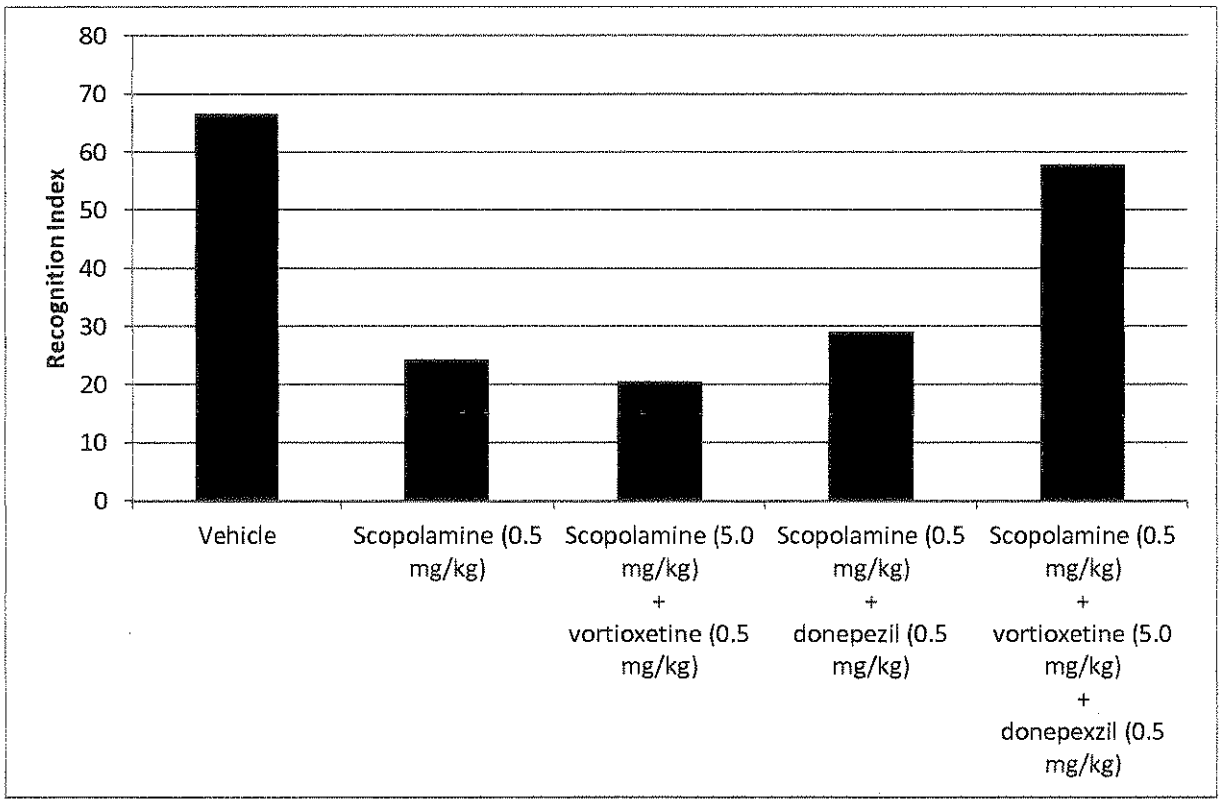

Recognition Index
80
70
60
50
40
30
20
10
0
Vehicle
Scopolamine (0.5 mg/kg)
Scopolamine (5.0 mg/kg) + vortioxetine (0.5 mg/kg)
Scopolamine (0.5 mg/kg) + donepezil (0.5 mg/kg)
Scopolamine (0.5 mg/kg) + vortioxetine (5.0 mg/kg) + donepexzil (0.5 mg/kg)

Fig. 6