Figure 1

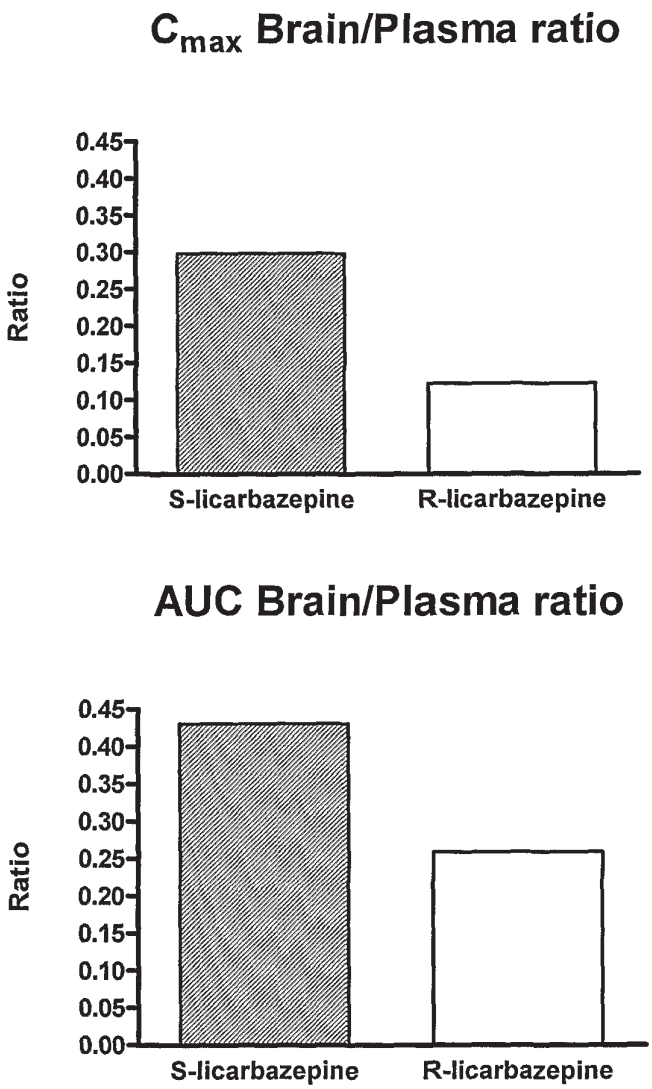

C_{max} Brain/Plasma ratio
Ratio
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
S-licarbazepine
R-licarbazepine
AUC Brain/Plasma ratio
Ratio
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
S-licarbazepine
R-licarbazepine

Figure 2

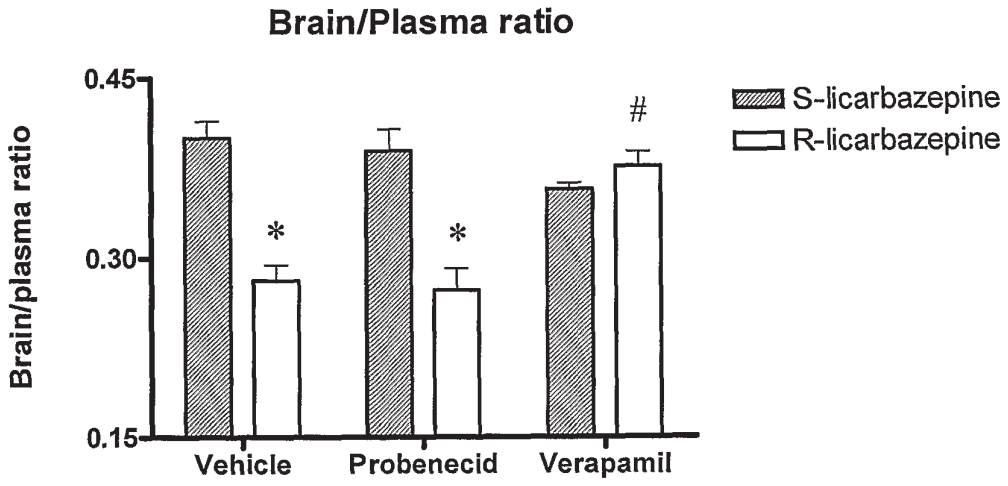

Brain/Plasma ratio
Brain/plasma ratio
0.45
0.30
0.15
*
*
#
Vehicle
Probenecid
Verapamil
S-licarbazepine
R-licarbazepine

Figure 3

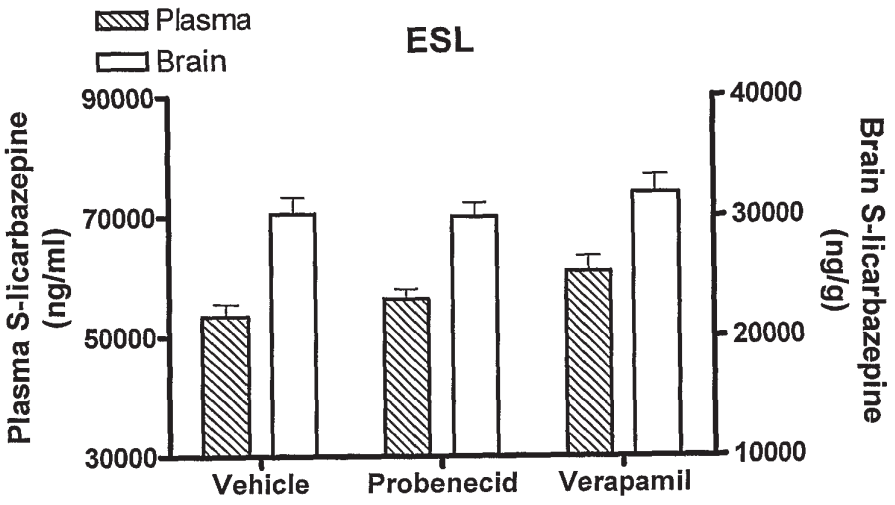

Plasma
Brain
ESL
Plasma S-licarbazepine (ng/ml)
90000
70000
50000
30000
40000
30000
20000
10000
Brain S-licarbazepine (ng/g)
Vehicle
Probenecid
Verapamil

Figure 4

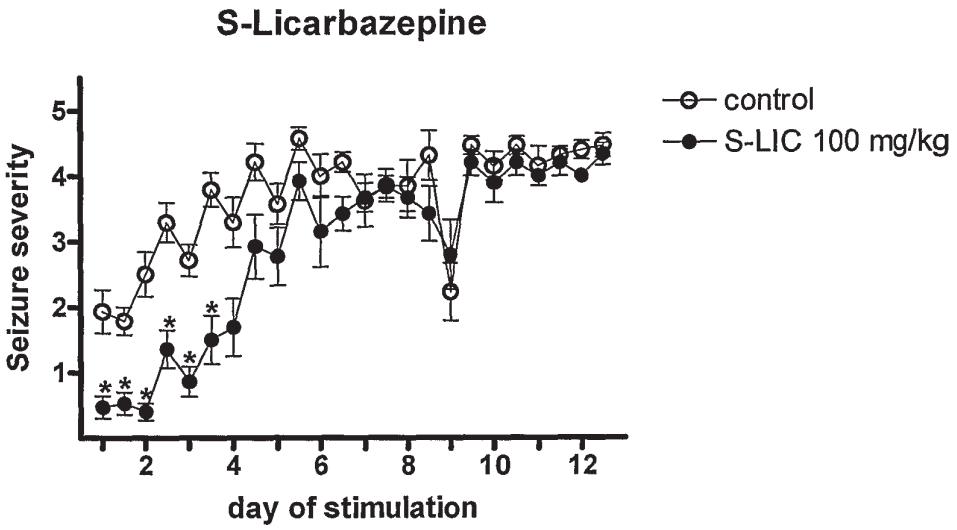


Figure 5

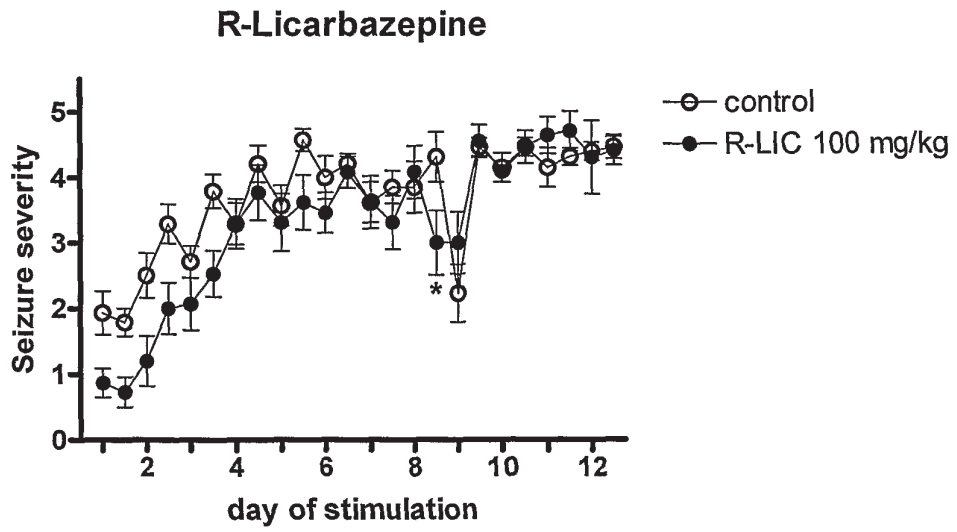
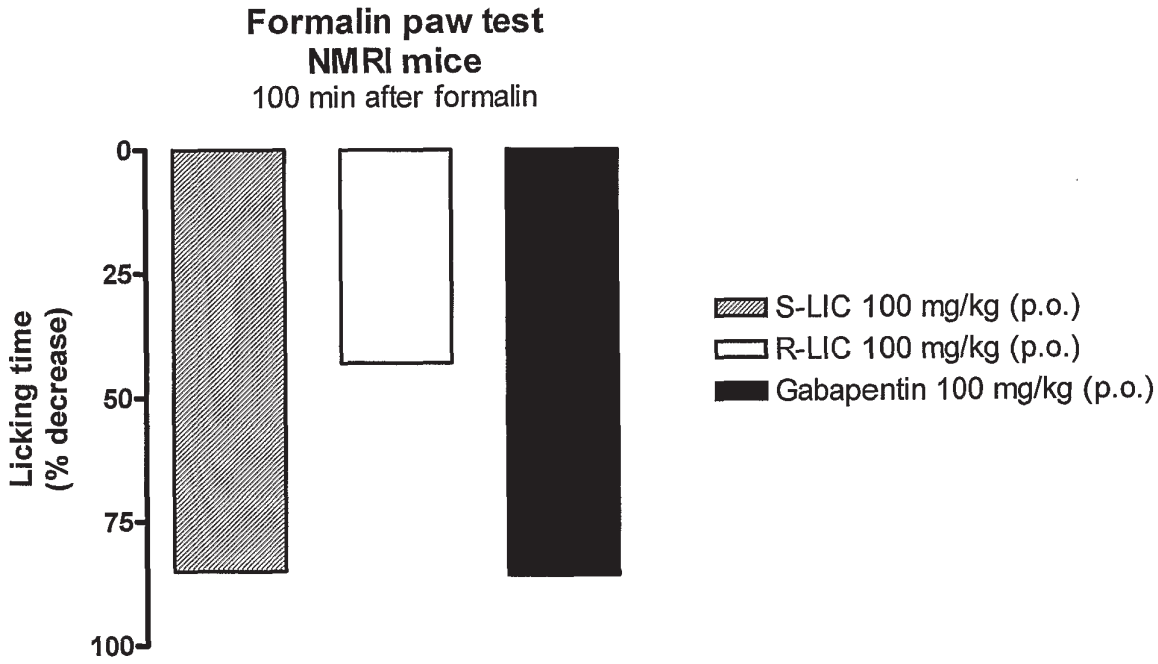


Figure 6


Formalin paw test
NMRI mice
100 min after formalin
Licking time
(% decrease)
0
25
50
75
100
S-LIC 100 mg/kg (p.o.)
R-LIC 100 mg/kg (p.o.)
Gabapentin 100 mg/kg (p.o.)