Figure 1

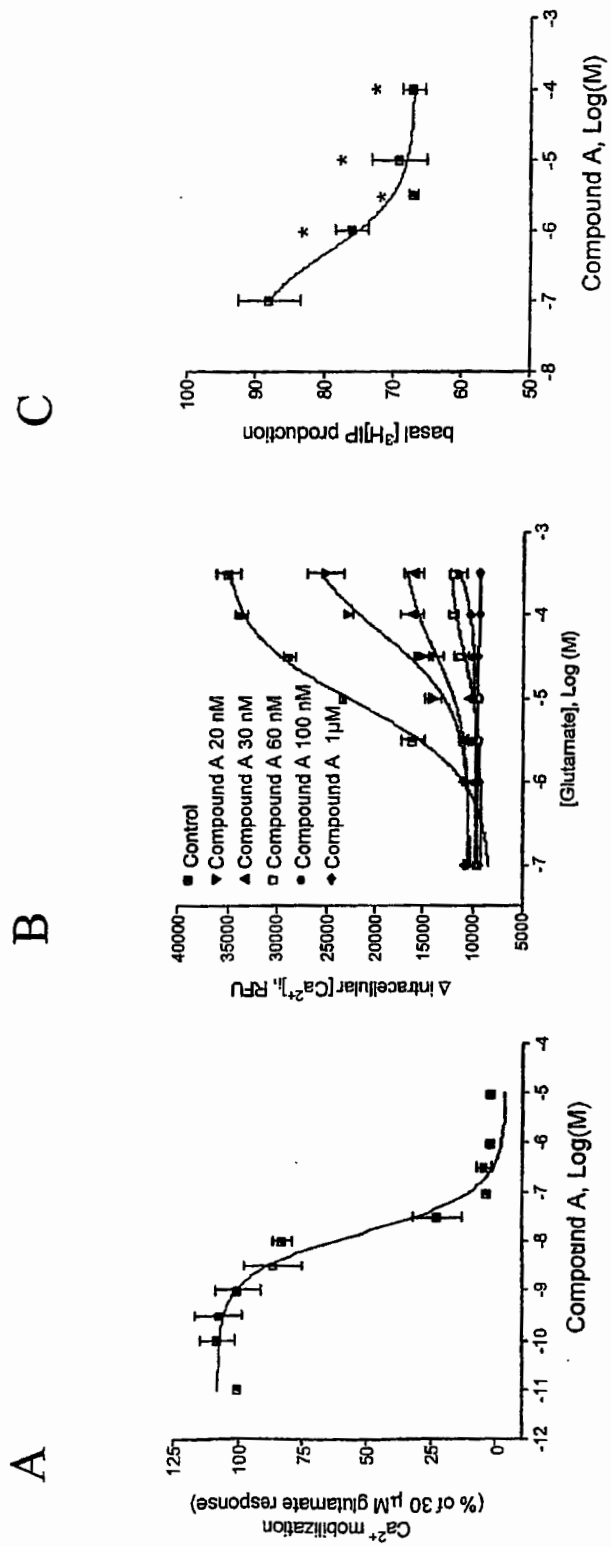

A
B
C
Ca2+ mobilization
(% of 30 µM glutamate response)
Compound A, Log(M)
Δ intracellular [Ca2+]i, RFU
[Glutamate], Log (M)
Control
Compound A 20 nM
Compound A 30 nM
Compound A 60 nM
Compound A 100 nM
Compound A 1µM
basal [3H]IP production
Compound A, Log(M)

Figure 2

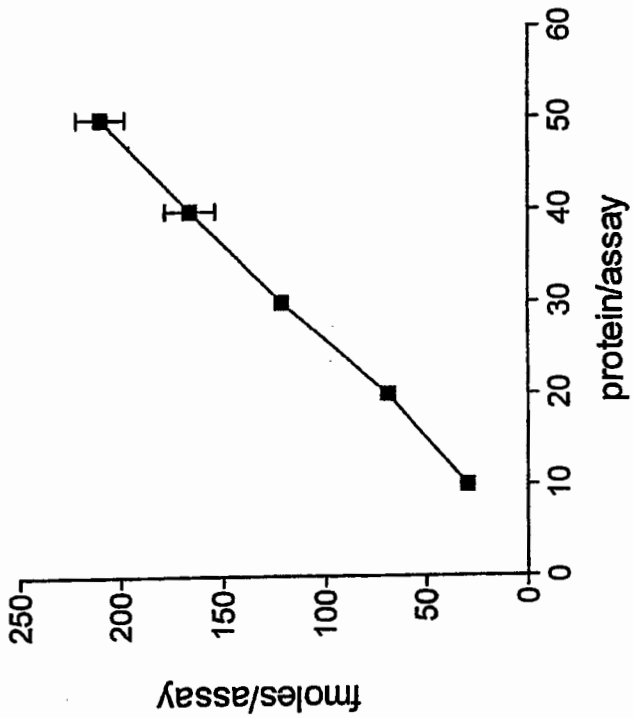

fmoles/assay
250
200
150
100
50
0
0
10
20
30
40
50
60
protein/assay

Figure 3

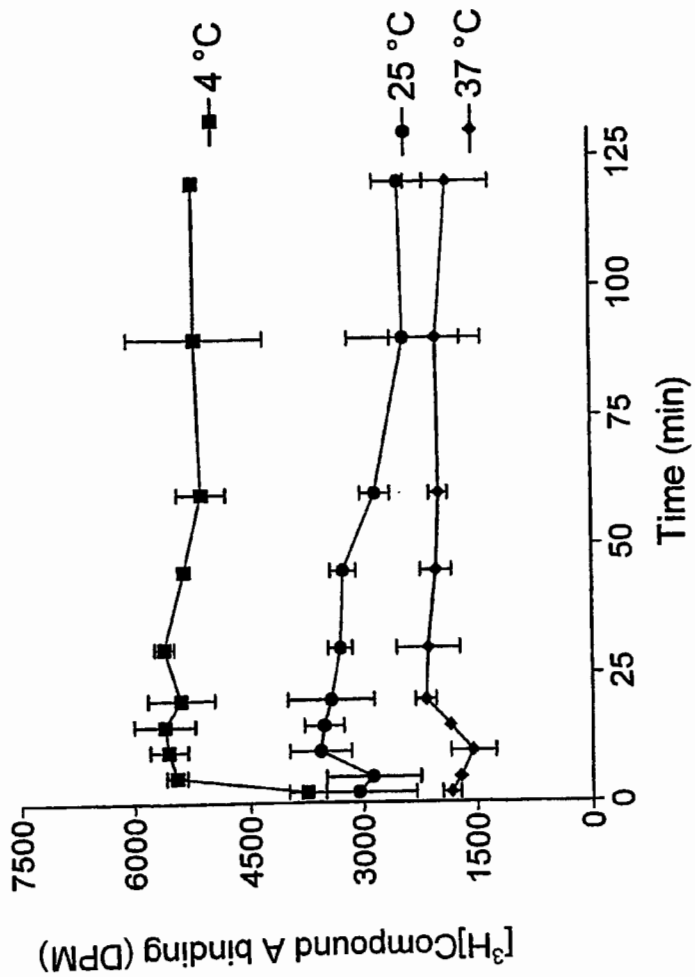

4 °C
25 °C
37 °C
7500
6000
4500
3000
1500
0
25
50
75
100
125
Time (min)
[3H]Compound A binding (DPM)

Figure 4

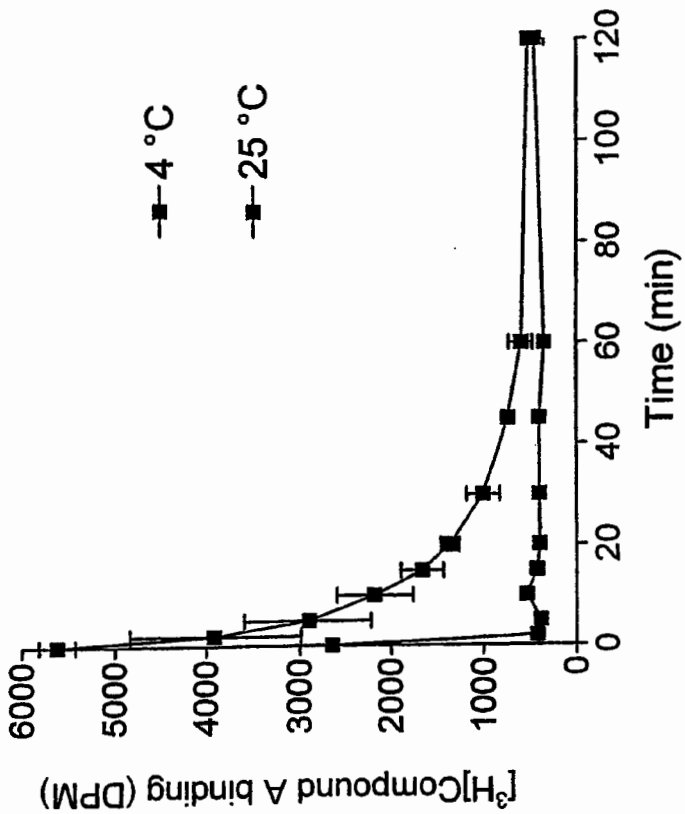
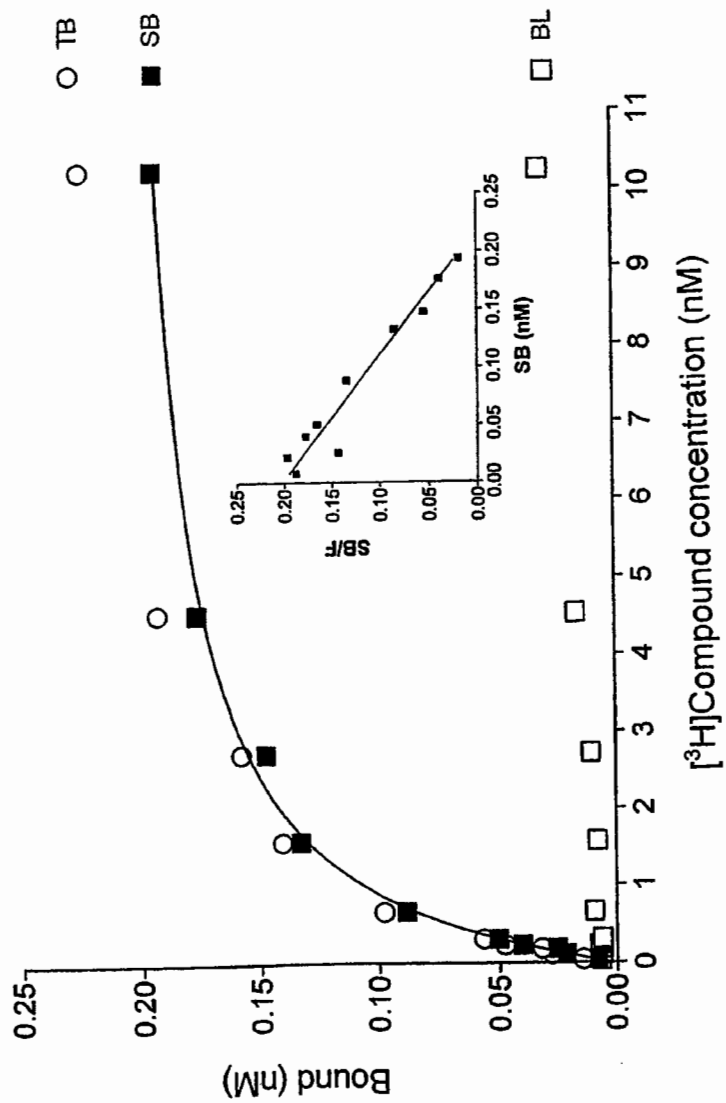

4 °C
25 °C
Time (min)
0
20
40
60
80
100
120
[3H]Compound A binding (DPM)
0
1000
2000
3000
4000
5000
6000

Figure 5



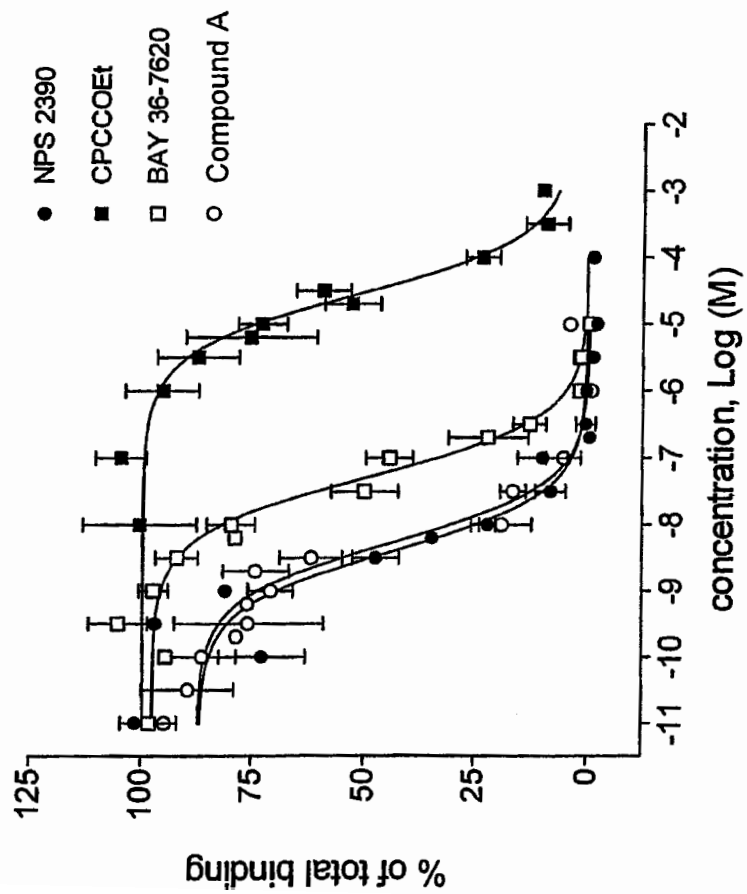

NPS 2390
CPCCOEt
BAY 36-7620
Compound A
% of total binding
125
100
75
50
25
0
-2
-3
-4
-5
-6
-7
-8
-9
-10
-11
concentration, Log (M)

Figure 6

Figure 7

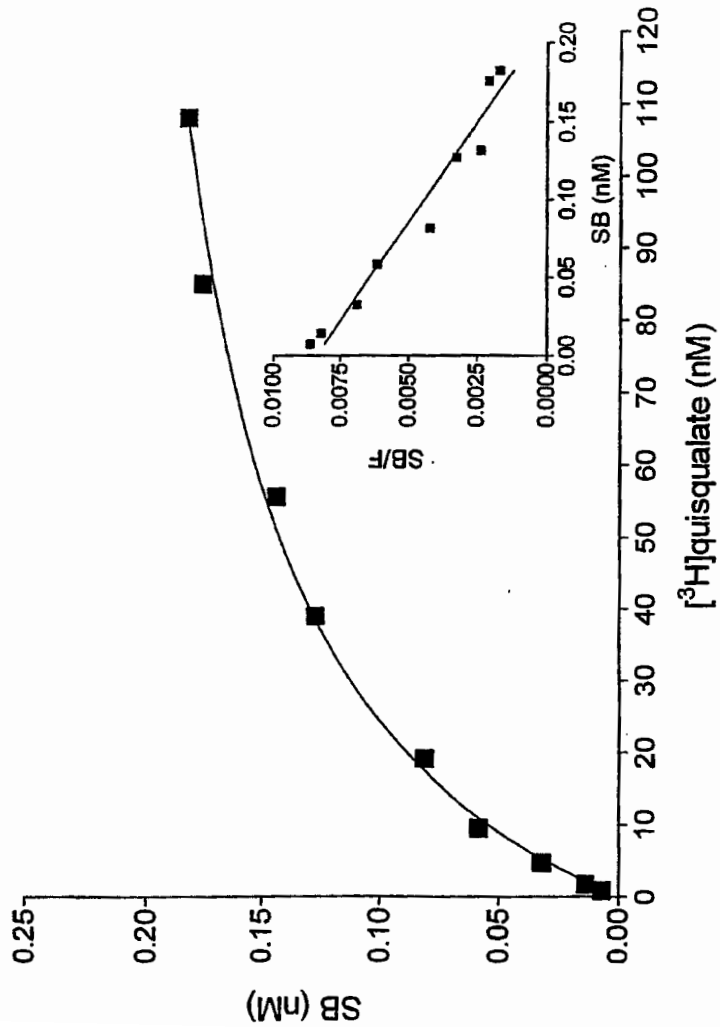

SB (nM)
0.25
0.20
0.15
0.10
0.05
0.00
0
10
20
30
40
50
60
70
80
90
100
110
120
[3H]quisqualate (nM)
SB/F
0.0100
0.0075
0.0050
0.0025
0.0000
SB (nM)
0.00
0.05
0.10
0.15
0.20

Figure 8

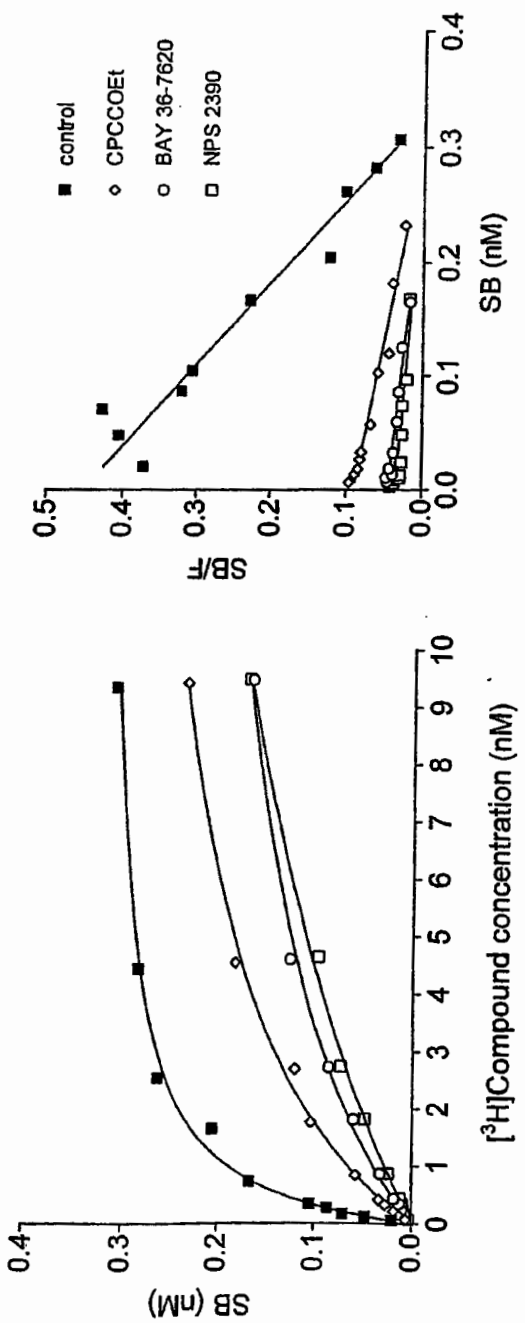

control
CPCCOEt
BAY 36-7620
NPS 2390
SB/F
SB (nM)
SB (nM)
[3H]Compound concentration (nM)

Figure 9

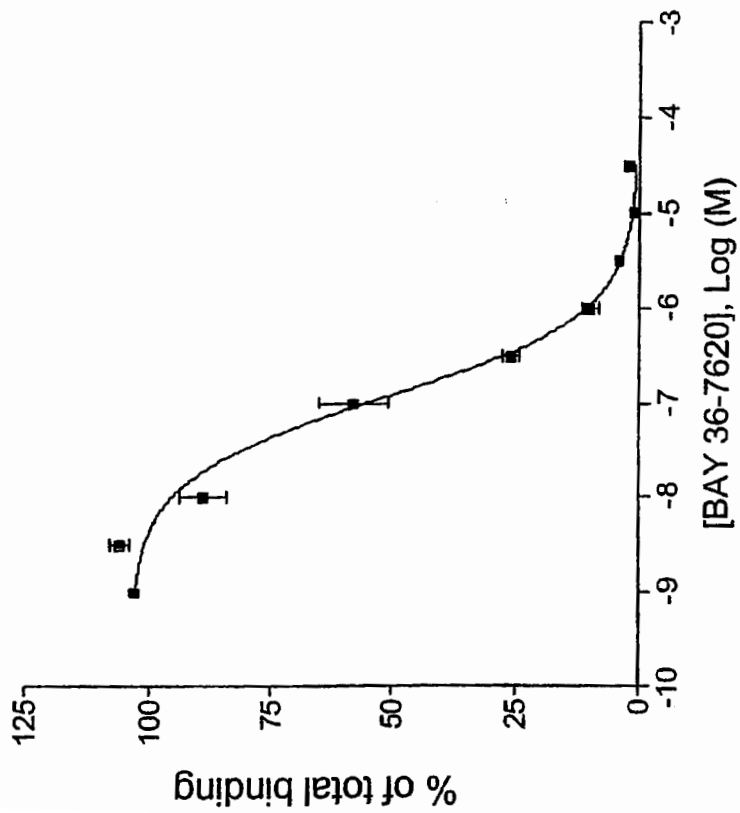


Figure 10

