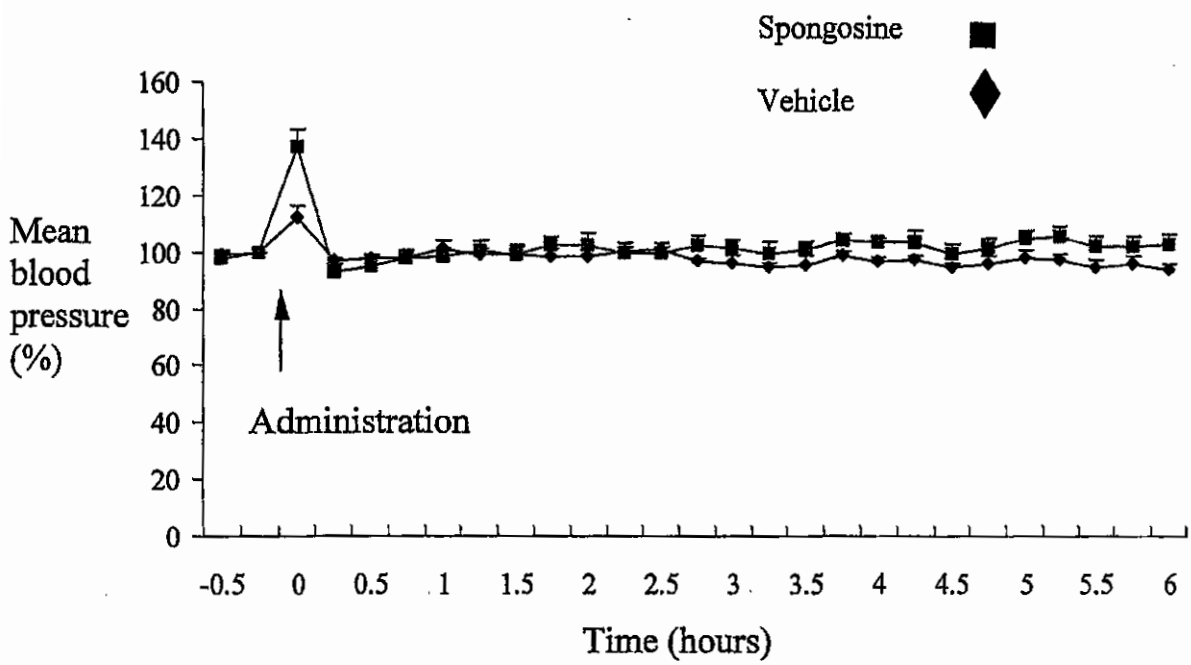
**Figure 1**

A)


Spongosine
Vehicle
Mean blood pressure (%)
160
140
120
100
80
60
40
20
0
Administration
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
6
Time (hours)

B)

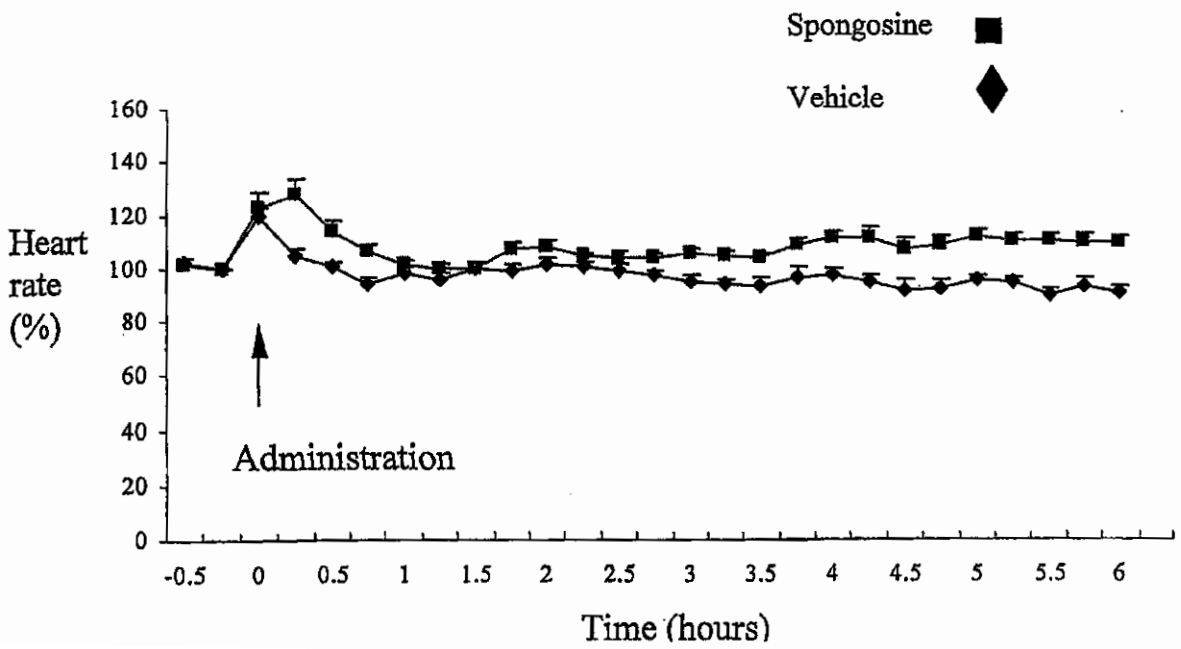

Spongosine
Vehicle
Heart rate (%)
160
140
120
100
80
60
40
20
0
Administration
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
6
Time (hours)

**Figure 2**

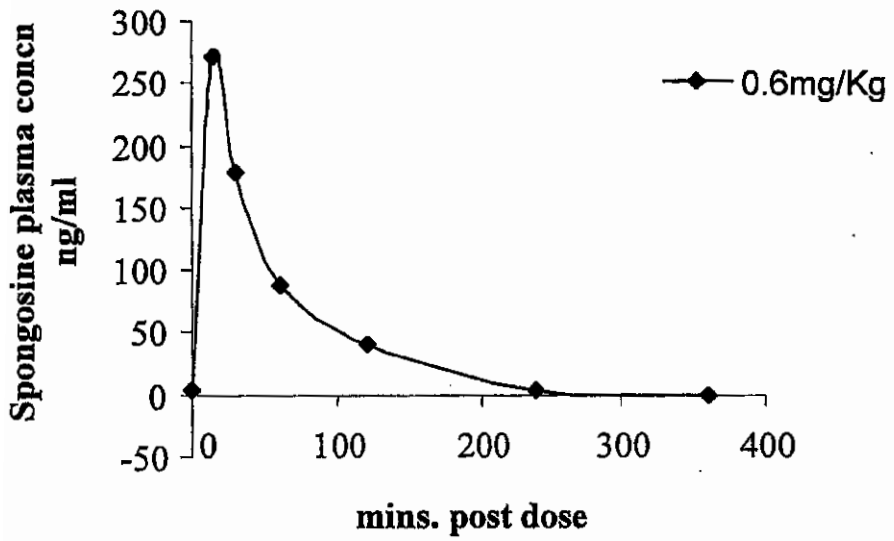

Spongosine plasma concn ng/ml
300
250
200
150
100
50
0
-50
0
100
200
300
400
mins. post dose
0.6mg/Kg

**Figure 3**

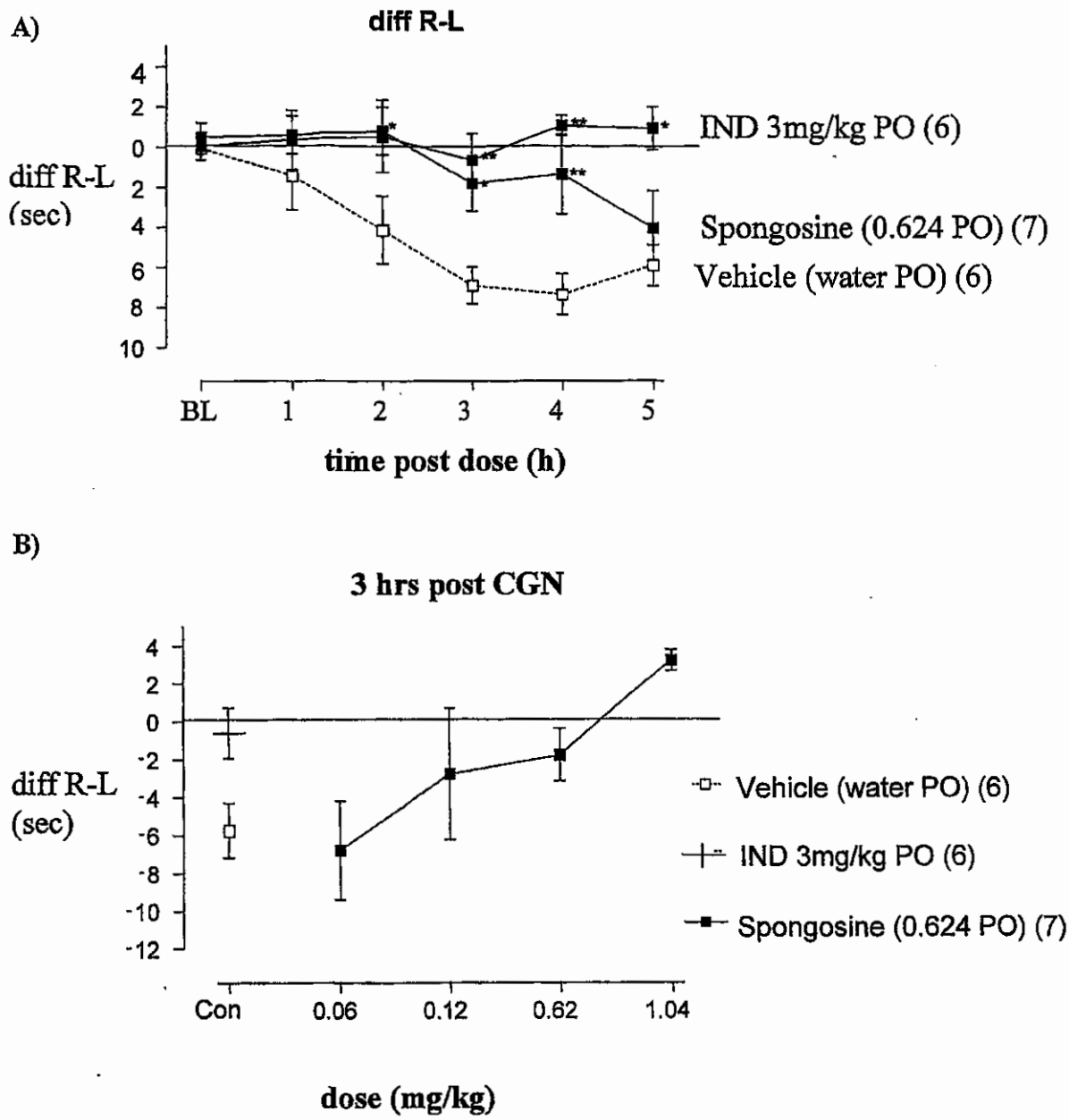

A)
diff R-L
diff R-L (sec)
4
2
0
2
4
6
8
10
BL
1
2
3
4
5
time post dose (h)
IND 3mg/kg PO (6)
Spongosine (0.624 PO) (7)
Vehicle (water PO) (6)
B)
3 hrs post CGN
diff R-L (sec)
4
2
0
-2
-4
-6
-8
-10
-12
Con
0.06
0.12
0.62
1.04
dose (mg/kg)
Vehicle (water PO) (6)
IND 3mg/kg PO (6)
Spongosine (0.624 PO) (7)

**Figure 4**

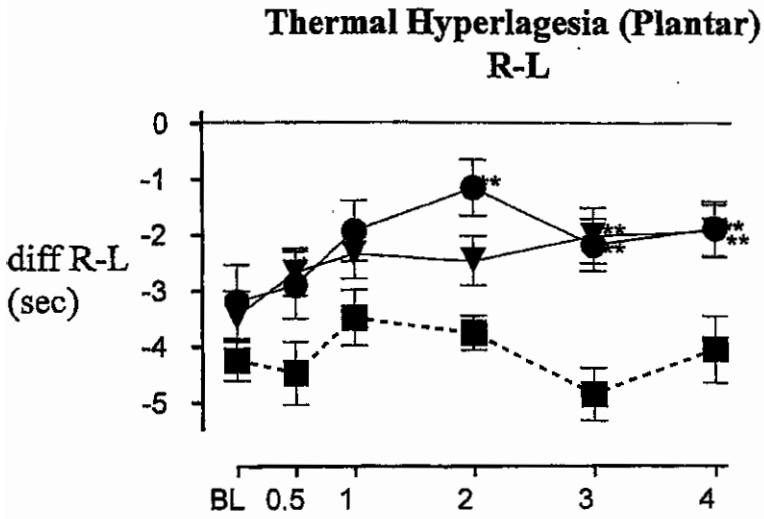
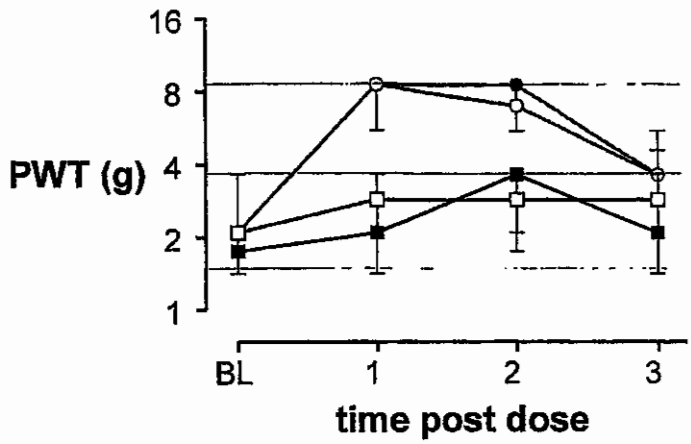

Thermal Hyperlagesia (Plantar)
R-L
diff R-L
(sec)
0
-1
-2
-3
-4
-5
BL
0.5
1
2
3
4
time post dose (hr)
Spongosine (0.624 mg/kg PO)
CBZ (100mg/kg SC)

**Figure 5**




Vehicle + Vehicle

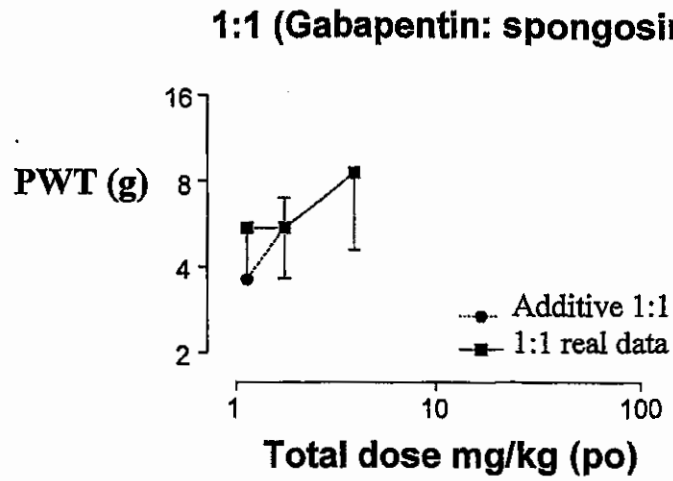
Vehicle + spongosine (1.2 p.o.)

Nalox (1 s.c.) + Vehicle

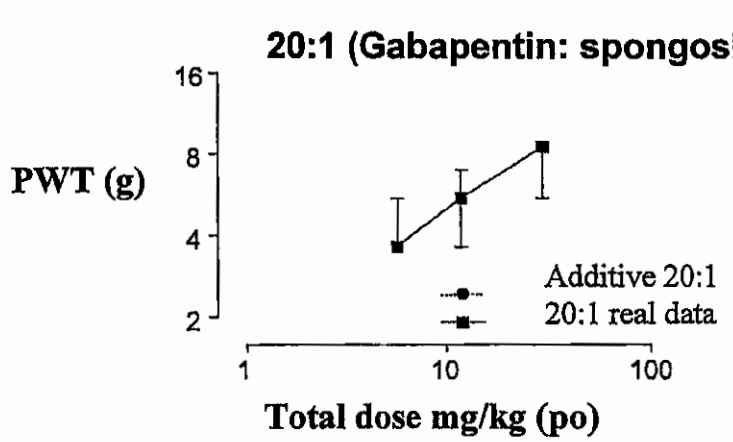
Nalox (1 s.c.) + spongosine (1.2 p.o.)

**Figure 6**

A)


1:1 (Gabapentin: spongosine)
PWT (g)
16
8
4
2
Additive 1:1
1:1 real data
1
10
100
Total dose mg/kg (po)

B)


20:1 (Gabapentin: spongosine)
PWT (g)
16
8
4
2
Additive 20:1
20:1 real data
1
10
100
Total dose mg/kg (po)

C)

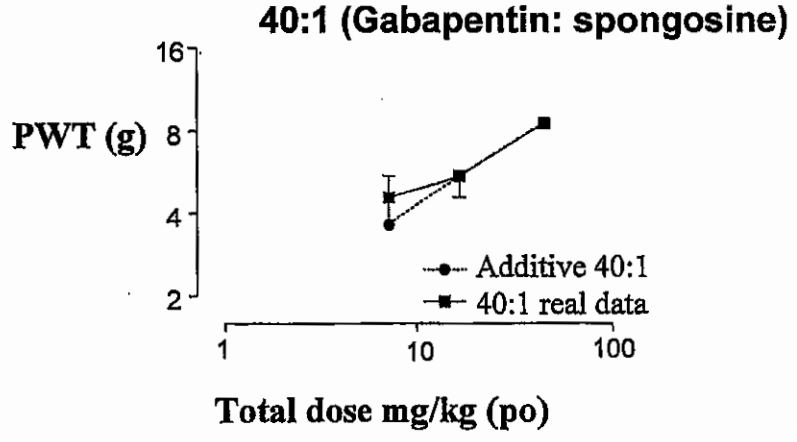

40:1 (Gabapentin: spongosine)
PWT (g)
16
8
4
2
Additive 40:1
40:1 real data
1
10
100
Total dose mg/kg (po)

**Figure 7**

**Effect of Spongosine on LPS-stimulated TNF alpha release**

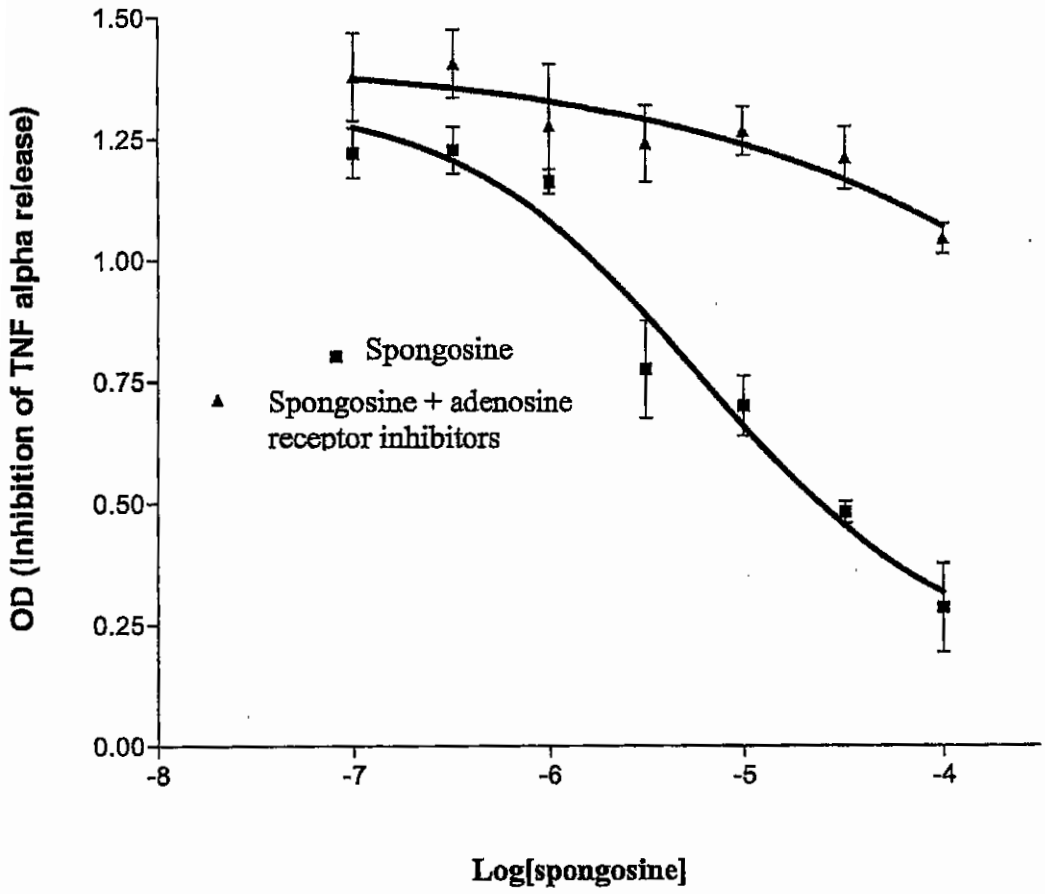
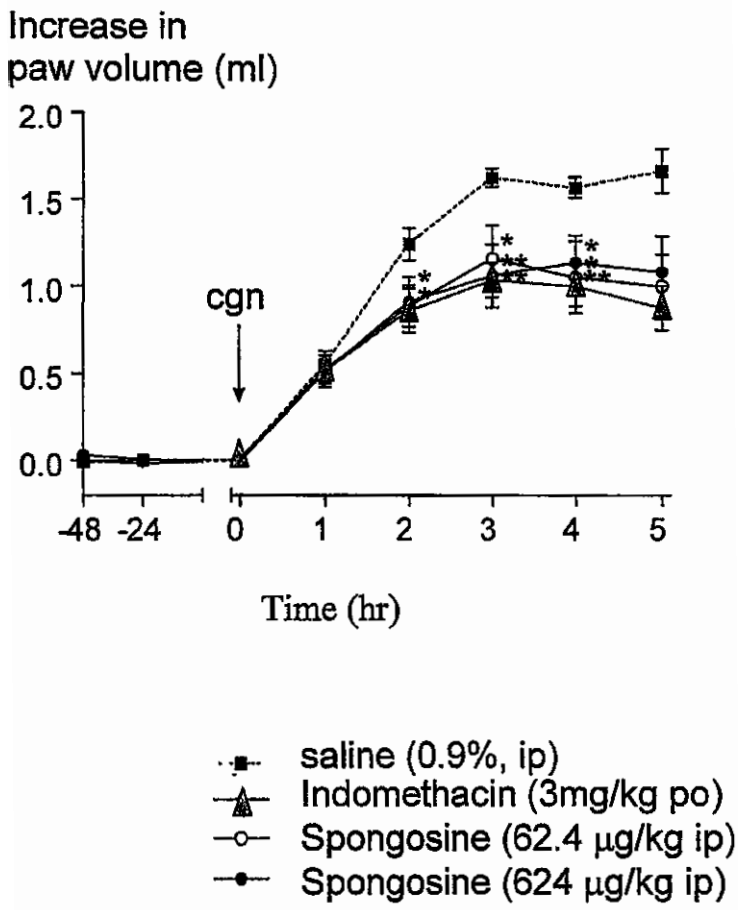


**Figure 8**


Increase in
paw volume (ml)
2.0
1.5
1.0
0.5
0.0
cgn
-48
-24
0
1
2
3
4
5
Time (hr)
saline (0.9%, ip)
Indomethacin (3mg/kg po)
Spongosine (62.4 µg/kg ip)
Spongosine (624 µg/kg ip)