WO 2004/000263 PCT/AU2003/000787

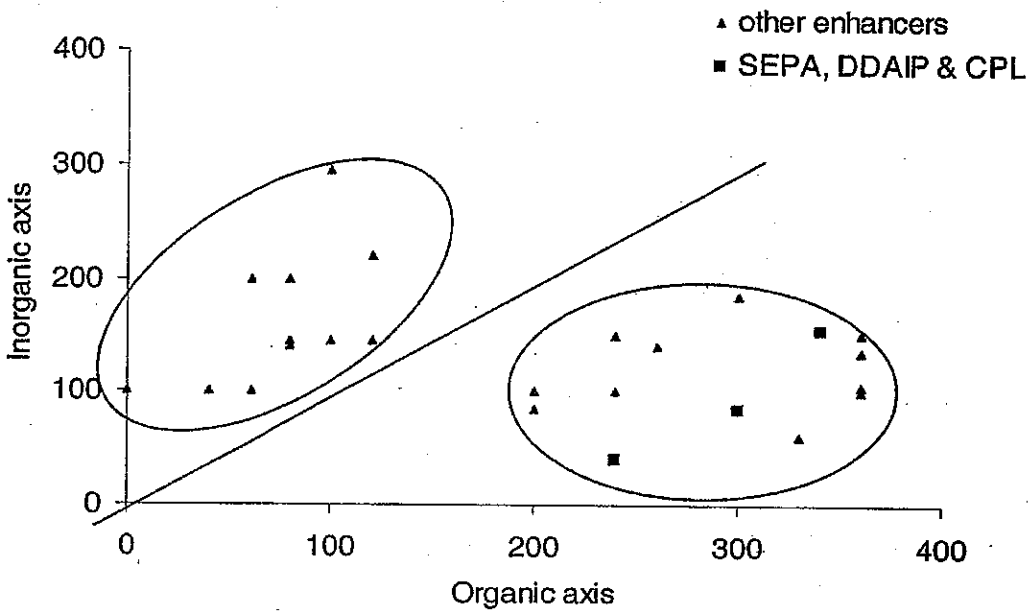

FIGURE 1

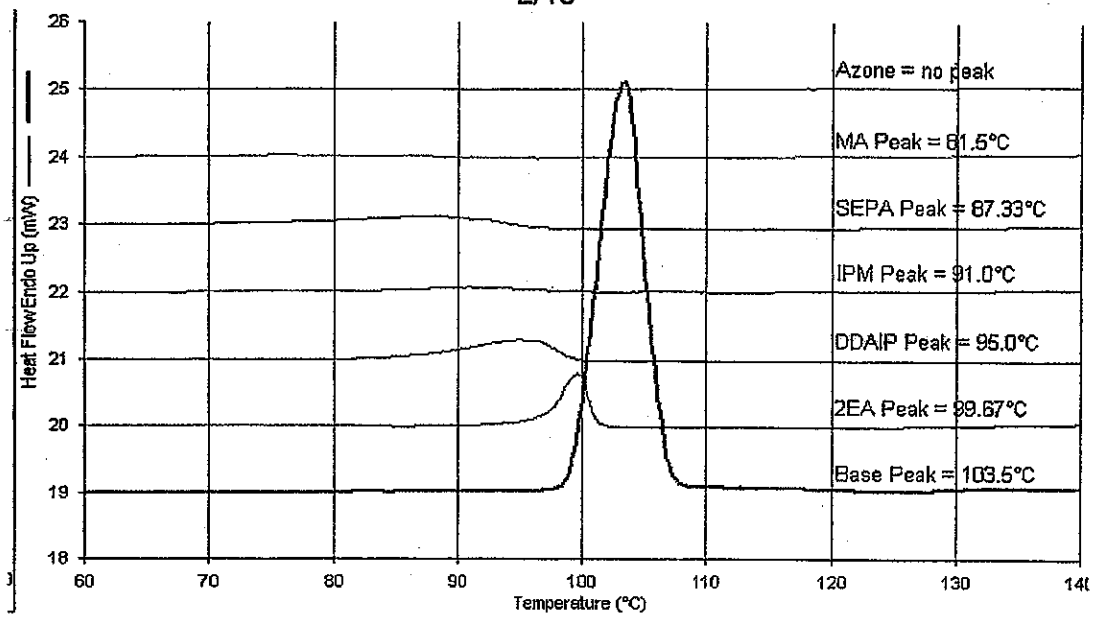
Heat FlowEndo Up (mW)
26
25
24
23
22
21
20
19
18
60
70
80
90
100
110
120
130
Temperature (°C)
Azone = no peak
MA Peak = 81.5°C
SEPA Peak = 87.33°C
IPM Peak = 91.0°C
DDAIP Peak = 95.0°C
2EA Peak = 99.67°C
Base Peak = 103.5°C

FIGURE 2

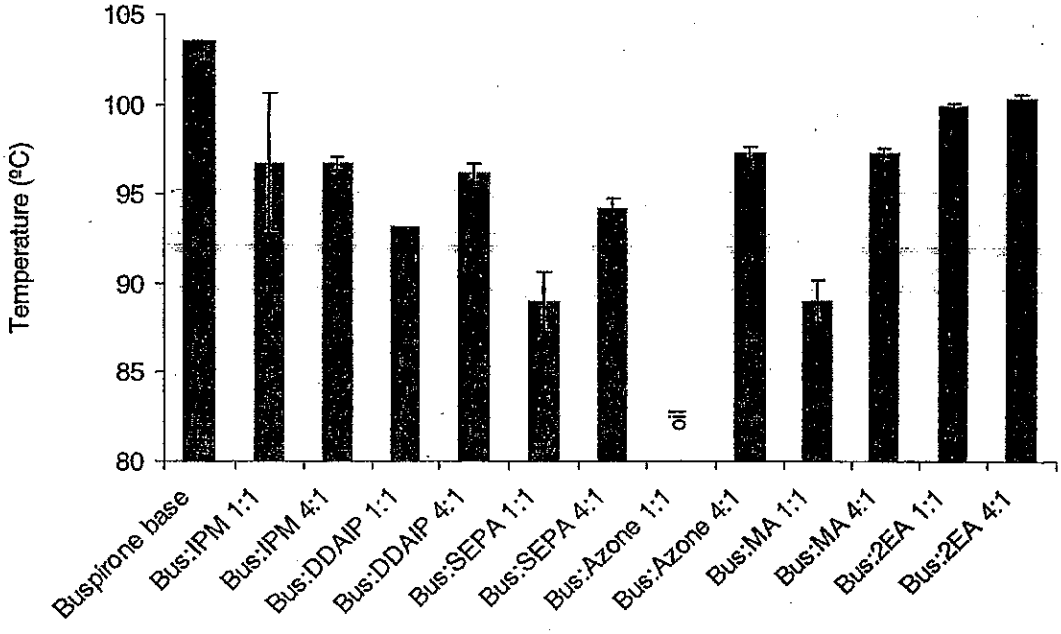
105
100
95
90
85
80
Temperature (ºC)
oil
Buspirone base
Bus:IPM 1:1
Bus:IPM 4:1
Bus:DDAIP 1:1
Bus:DDAIP 4:1
Bus:SEPA 1:1
Bus:SEPA 4:1
Bus:Azone 1:1
Bus:Azone 4:1
Bus:MA 1:1
Bus:MA 4:1
Bus:2EA 1:1
Bus:2EA 4:1

FIGURE 3

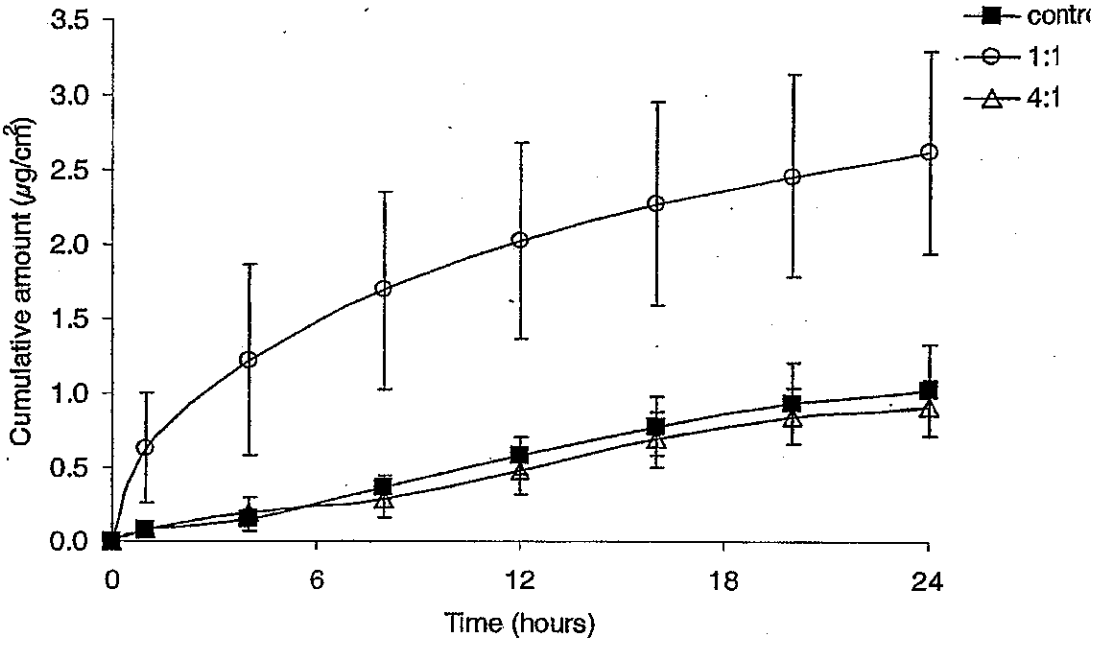
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Cumulative amount (μg/cm²)
0
6
12
18
24
Time (hours)
contr
1:1
4:1

FIGURE 4

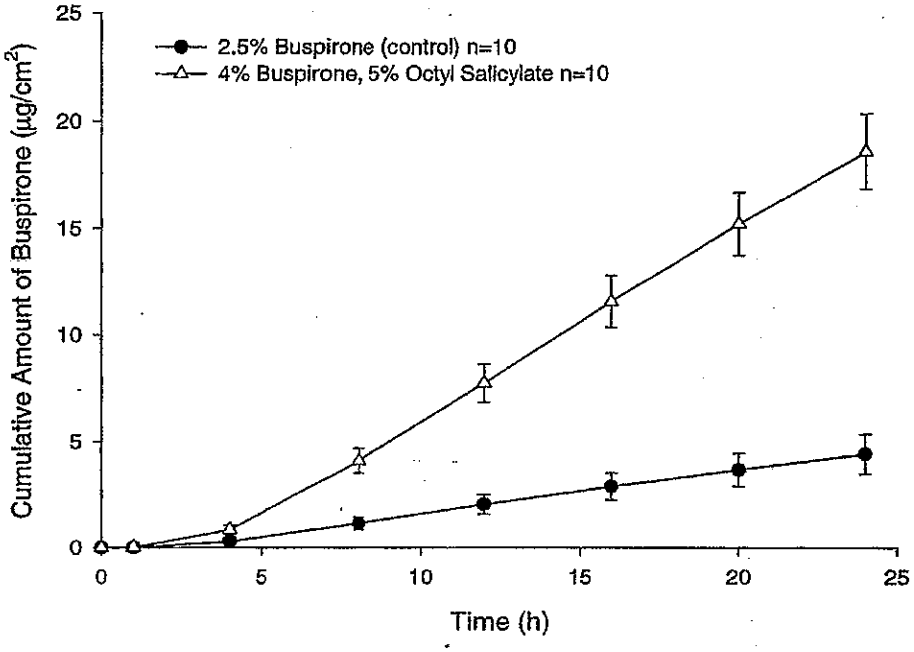
2.5% Buspirone (control) n=10
4% Buspirone, 5% Octyl Salicylate n=10
Cumulative Amount of Buspirone (µg/cm²)
Time (h)
0
5
10
15
20
25

FIGURE 5

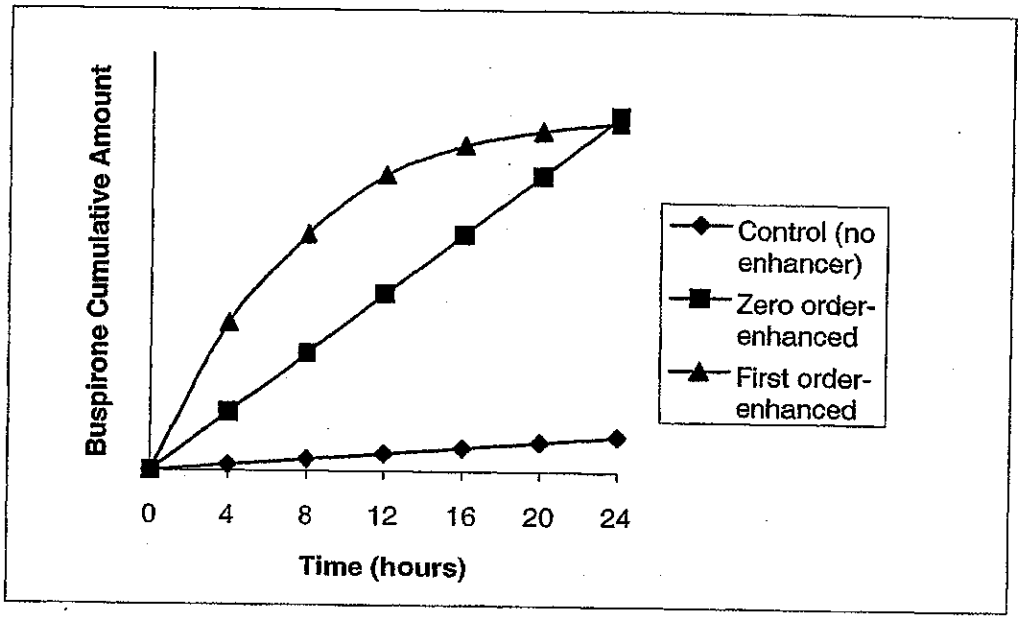

FIGURE 6a

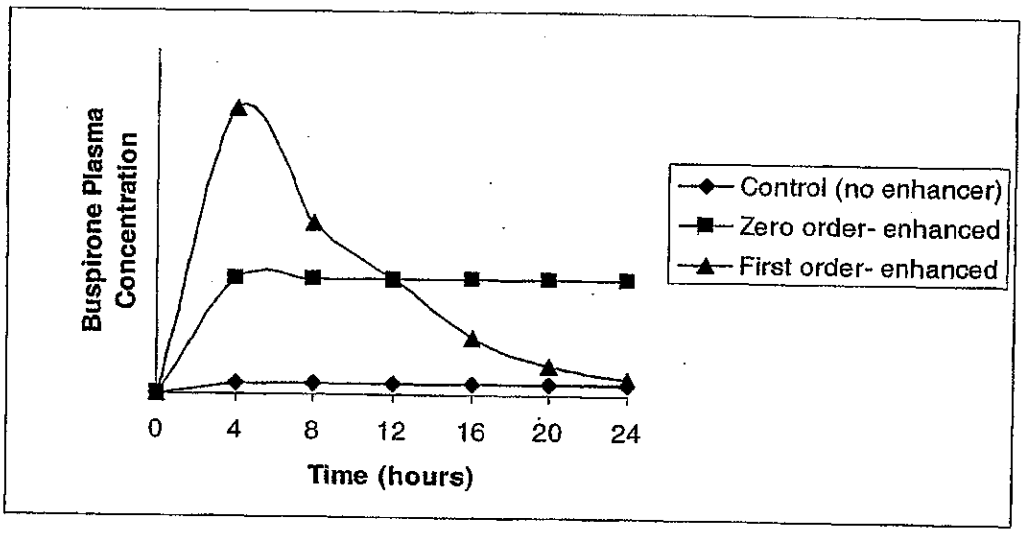

FIGURE 6b

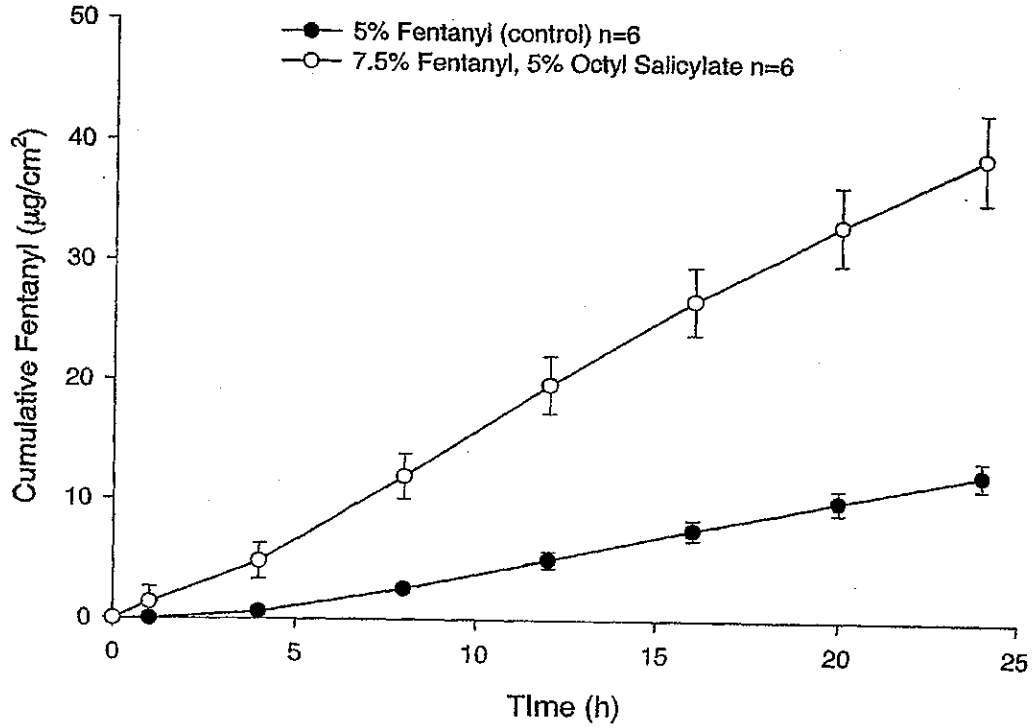
5% Fentanyl (control) n=6
7.5% Fentanyl, 5% Octyl Salicylate n=6
Cumulative Fentanyl (µg/cm²)
50
40
30
20
10
0
0
5
10
15
20
25
TIme (h)

FIGURE 7

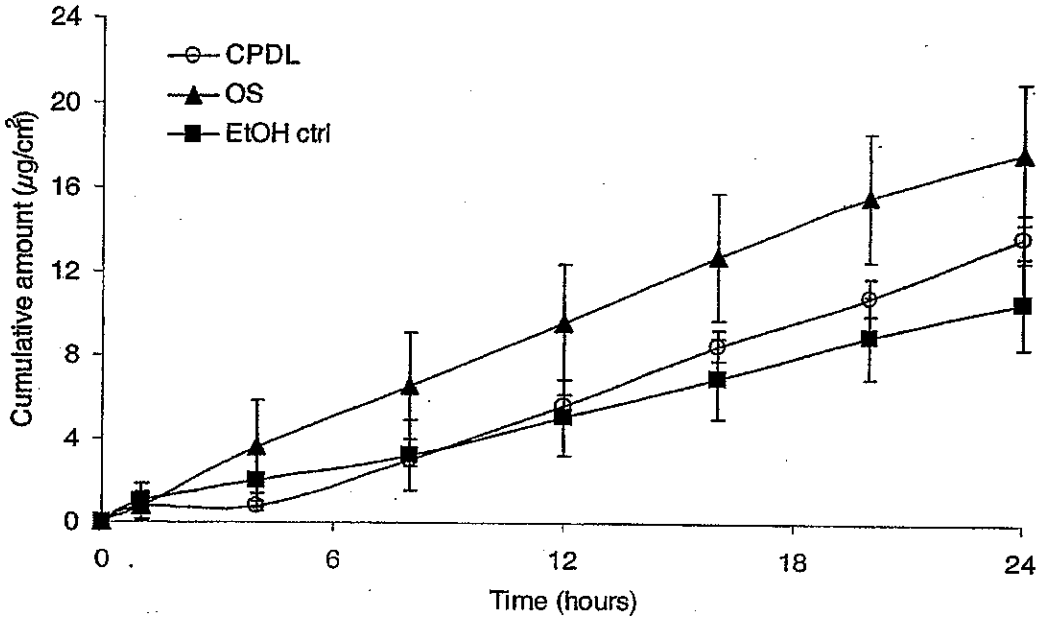
24
20
16
12
8
4
0
Cumulative amount (µg/cm²)
CPDL
OS
EtOH ctrl
0
6
12
18
24
Time (hours)

FIGURE 8

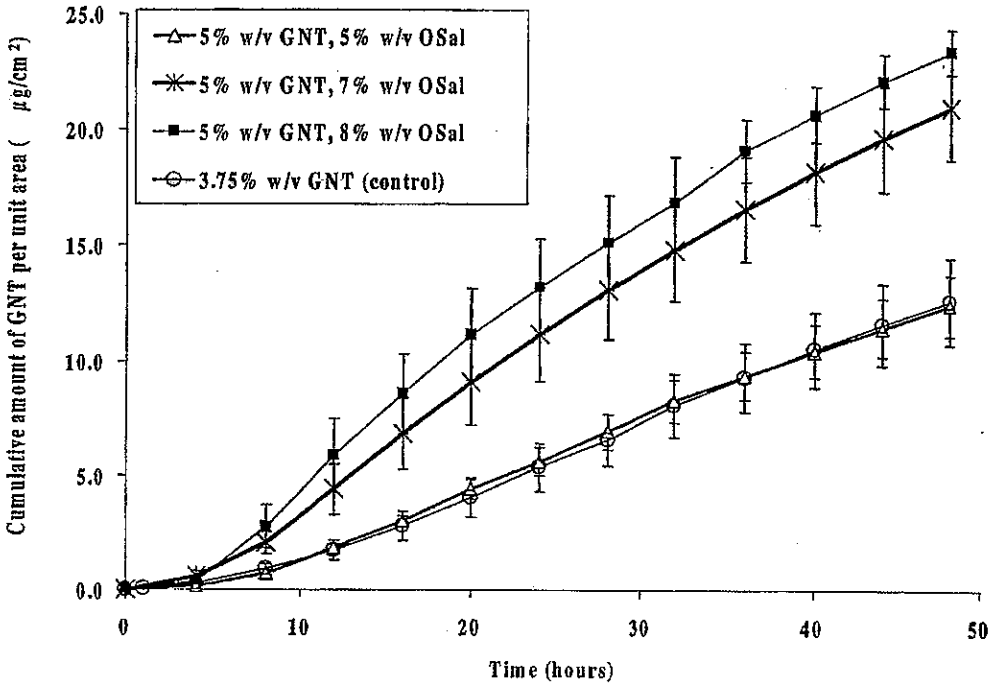
25.0
20.0
15.0
10.0
5.0
0.0
0
10
20
30
40
50
Cumulative amount of GNT per unit area (µg/cm 2)
Time (hours)
5% w/v GNT, 5% w/v OSal
5% w/v GNT, 7% w/v OSal
5% w/v GNT, 8% w/v OSal
3.75% w/v GNT (control)

FIGURE 9

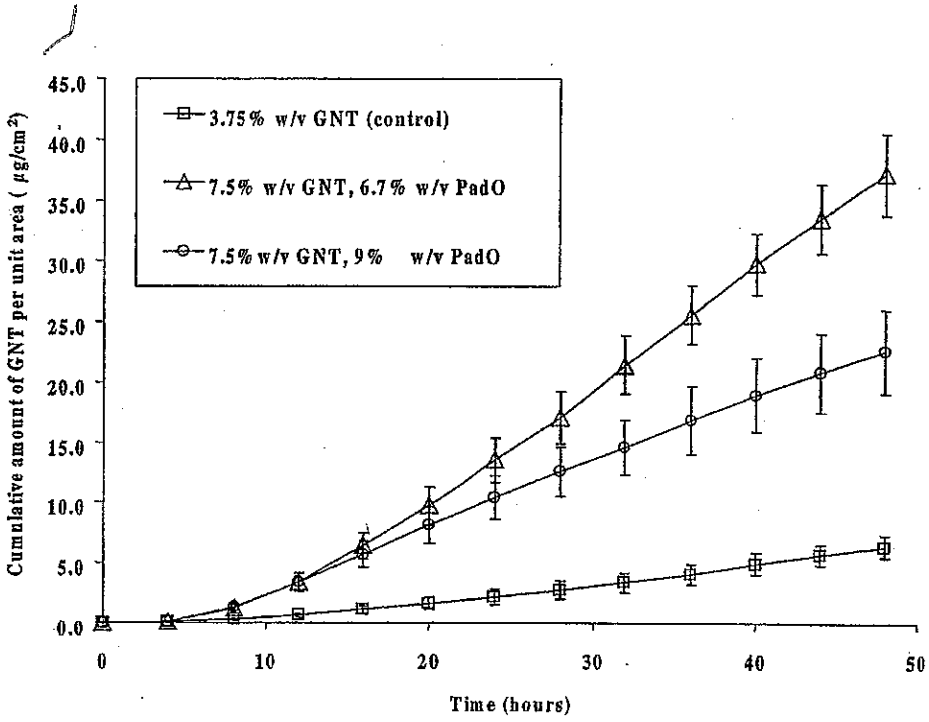
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Cumulative amount of GNT per unit area (µg/cm²)
0
10
20
30
40
50
Time (hours)
3.75% w/v GNT (control)
7.5% w/v GNT, 6.7% w/v PadO
7.5% w/v GNT, 9% w/v PadO

FIGURE 10

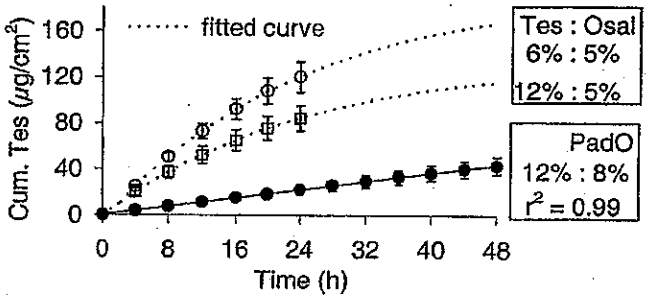
fitted curve
Tes : Osal
6% : 5%
12% : 5%
PadO
12% : 8%
r^2 = 0.99
Cum. Tes (µg/cm²)
160
120
80
40
0
0
8
16
24
32
40
48
Time (h)

FIGURE 11

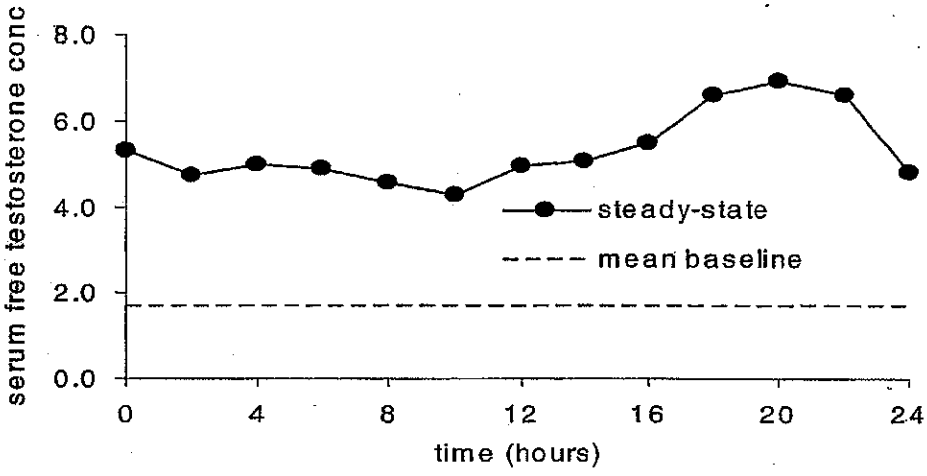
serum free testosterone conc
8.0
6.0
4.0
2.0
0.0
0
4
8
12
16
20
24
time (hours)
steady-state
mean baseline

FIGURE 12

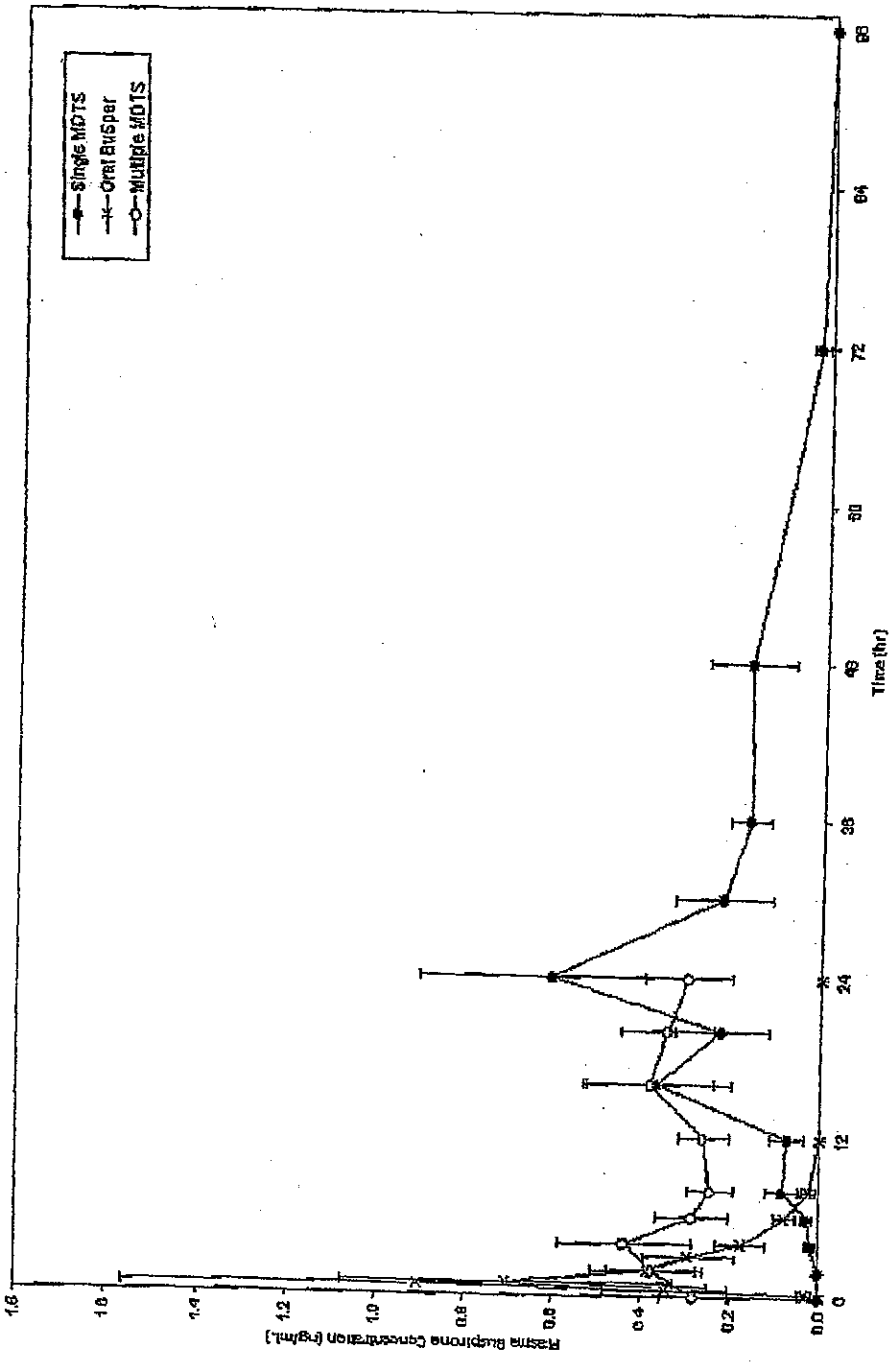
Single MDTS
Oral Bx/Sper
Multiple MDTS
Plasma Bupirone Concentration (ng/mL)
Time (hr)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
0
12
24
36
48
60
72
84

FIGURE 13