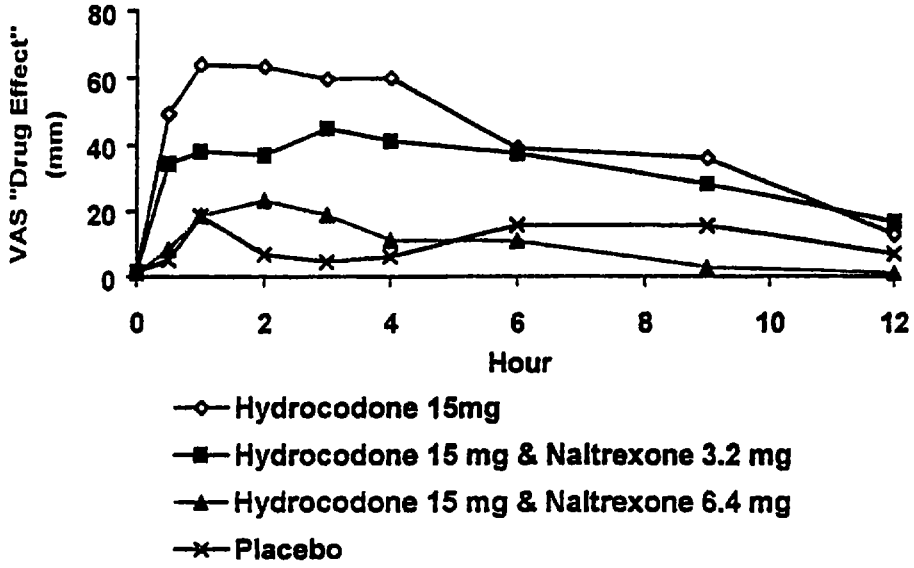
FIGURE 1



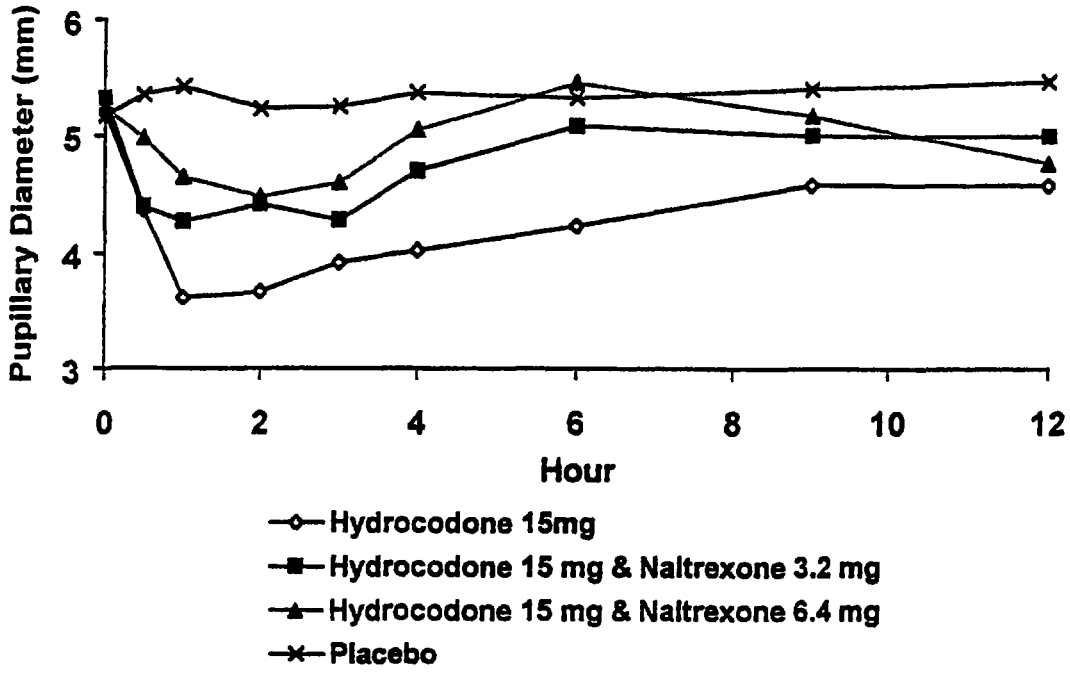
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FIGURE 2


Pupillary Diameter (mm)
6
5
4
3
0
2
4
6
8
10
12
Hour
Hydrocodone 15mg
Hydrocodone 15 mg & Naltrexone 3.2 mg
Hydrocodone 15 mg & Naltrexone 6.4 mg
Placebo

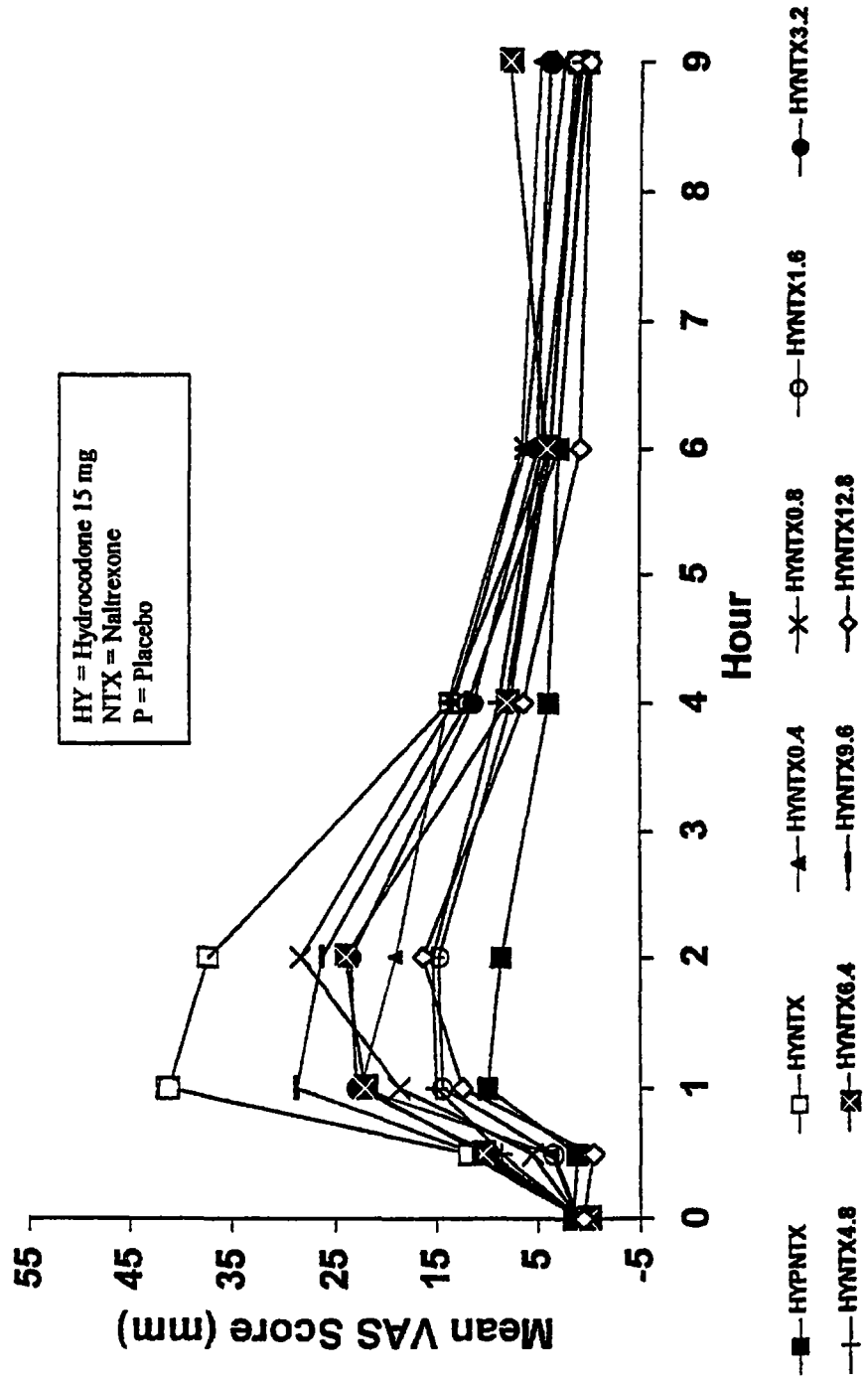

HY = Hydrocodone 15 mg
NTX = Naltrexone
P = Placebo
Mean VAS Score (mm)
55
45
35
25
15
5
-5
0
1
2
3
4
5
6
7
8
9
Hour
HYPNTX
HYNTX
HYNTX0.4
HYNTX0.8
HYNTX1.6
HYNTX3.2
HYNTX4.8
HYNTX6.4
HYNTX9.6
HYNTX12.8

FIGURE 3

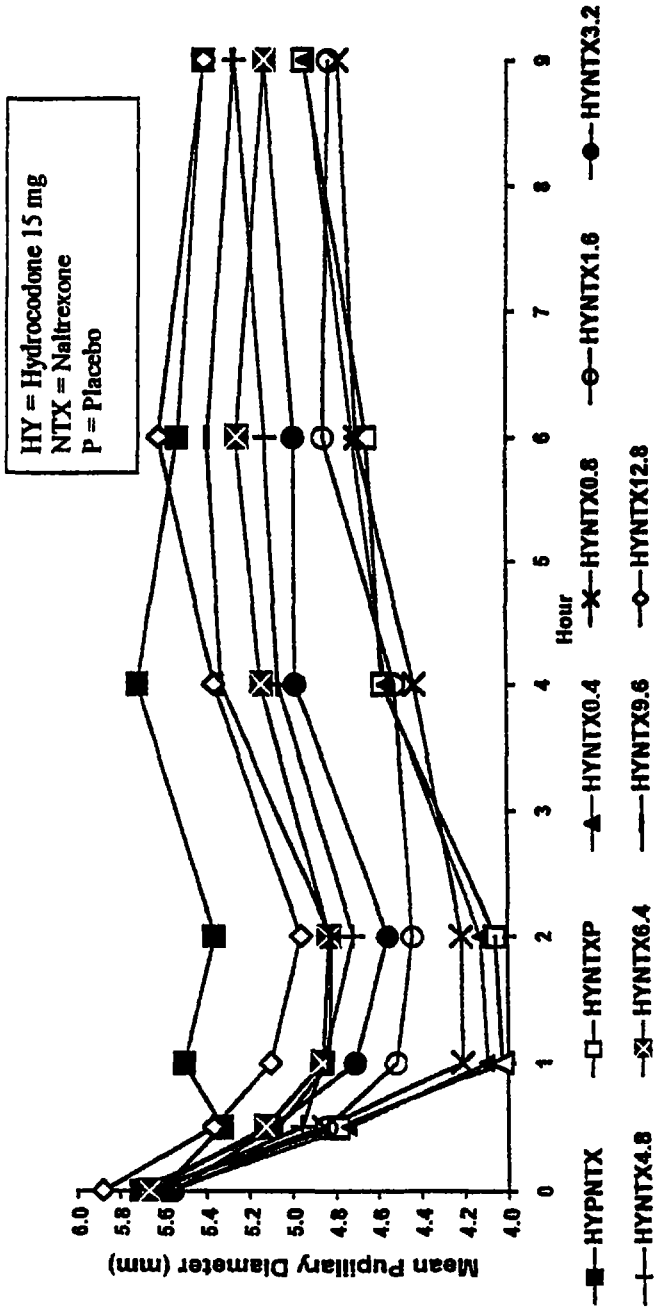

HY = Hydrocodone 15 mg
NTX = Naltrexone
P = Placebo
Mean Pupillary Diameter (mm)
6.0
5.8
5.6
5.4
5.2
5.0
4.8
4.6
4.4
4.2
4.0
0
1
2
3
4
5
6
7
8
9
Hour
HYPNTX
HYNTXP
HYNTX0.4
HYNTX0.8
HYNTX1.6
HYNTX3.2
HYNTX4.8
HYNTX6.4
HYNTX9.6
HYNTX12.8

FIGURE 4

FIGURE 5

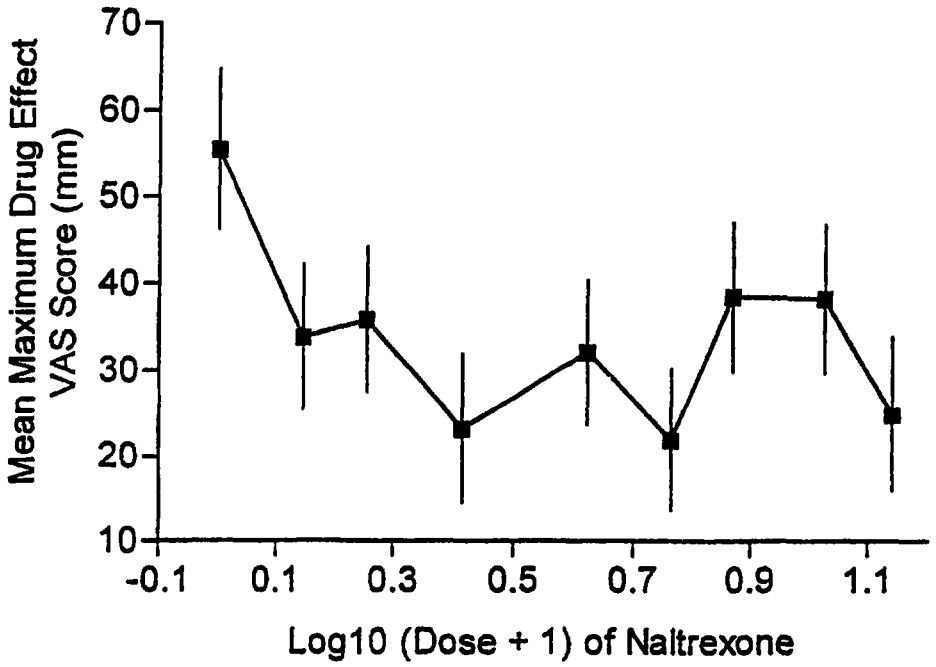

Mean Maximum Drug Effect
VAS Score (mm)
70
60
50
40
30
20
10
-0.1
0.1
0.3
0.5
0.7
0.9
1.1
Log10 (Dose + 1) of Naltrexone

FIGURE 6

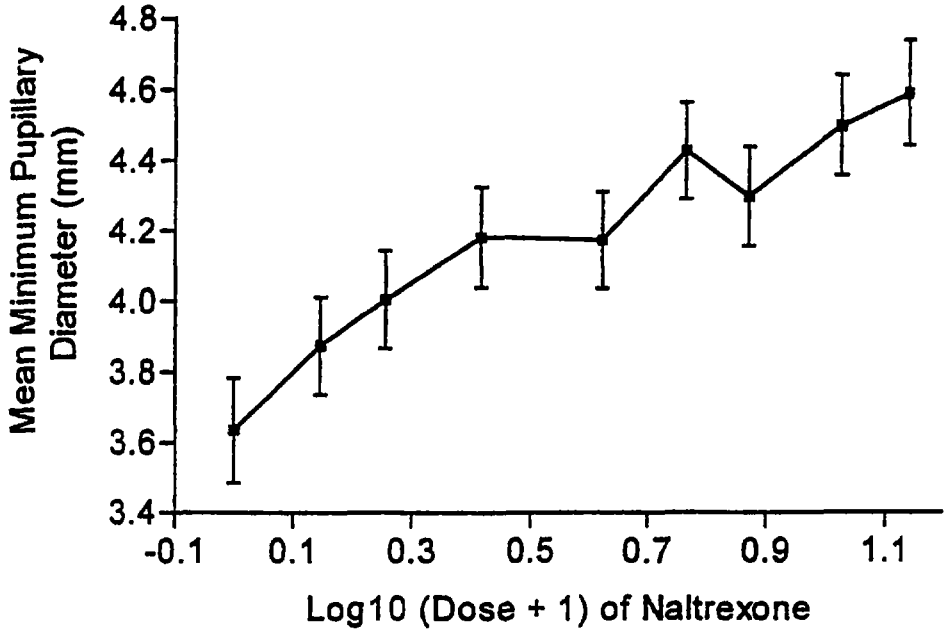

Mean Minimum Pupillary Diameter (mm)
4.8
4.6
4.4
4.2
4.0
3.8
3.6
3.4
-0.1
0.1
0.3
0.5
0.7
0.9
1.1
Log10 (Dose + 1) of Naltrexone

FIGURE 7B

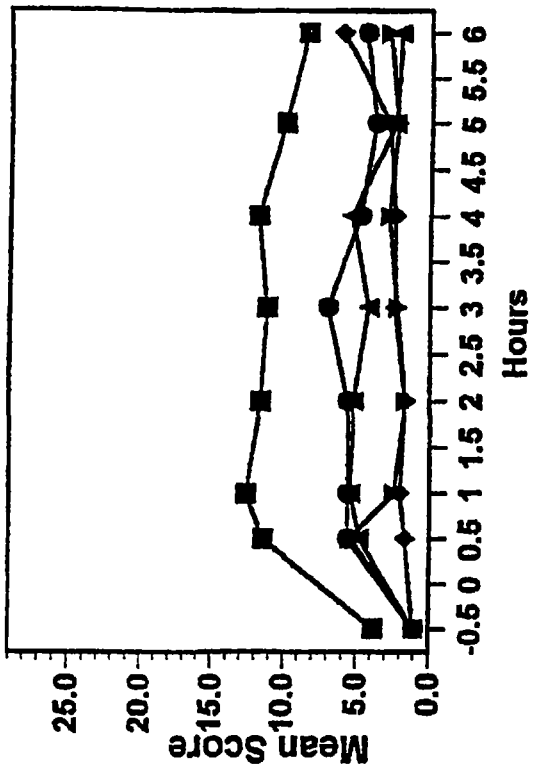
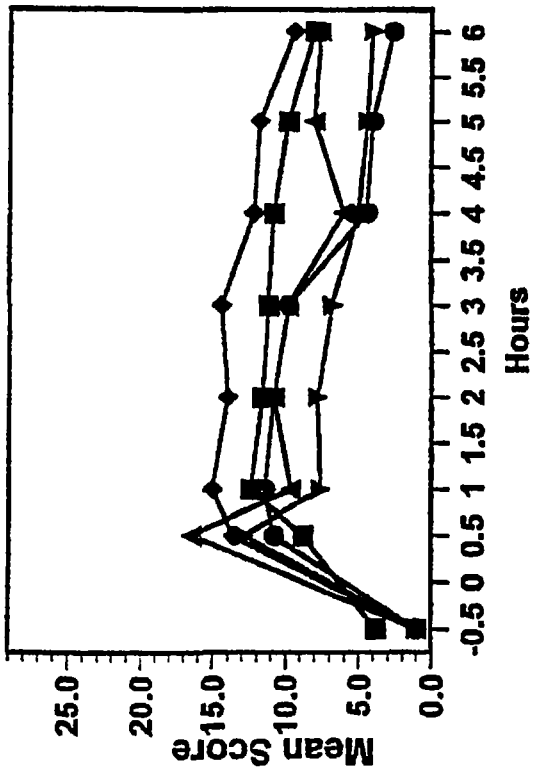
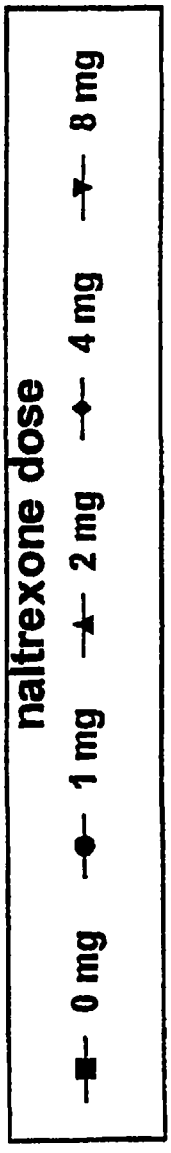


FIGURE 7A





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FIGURE 7C

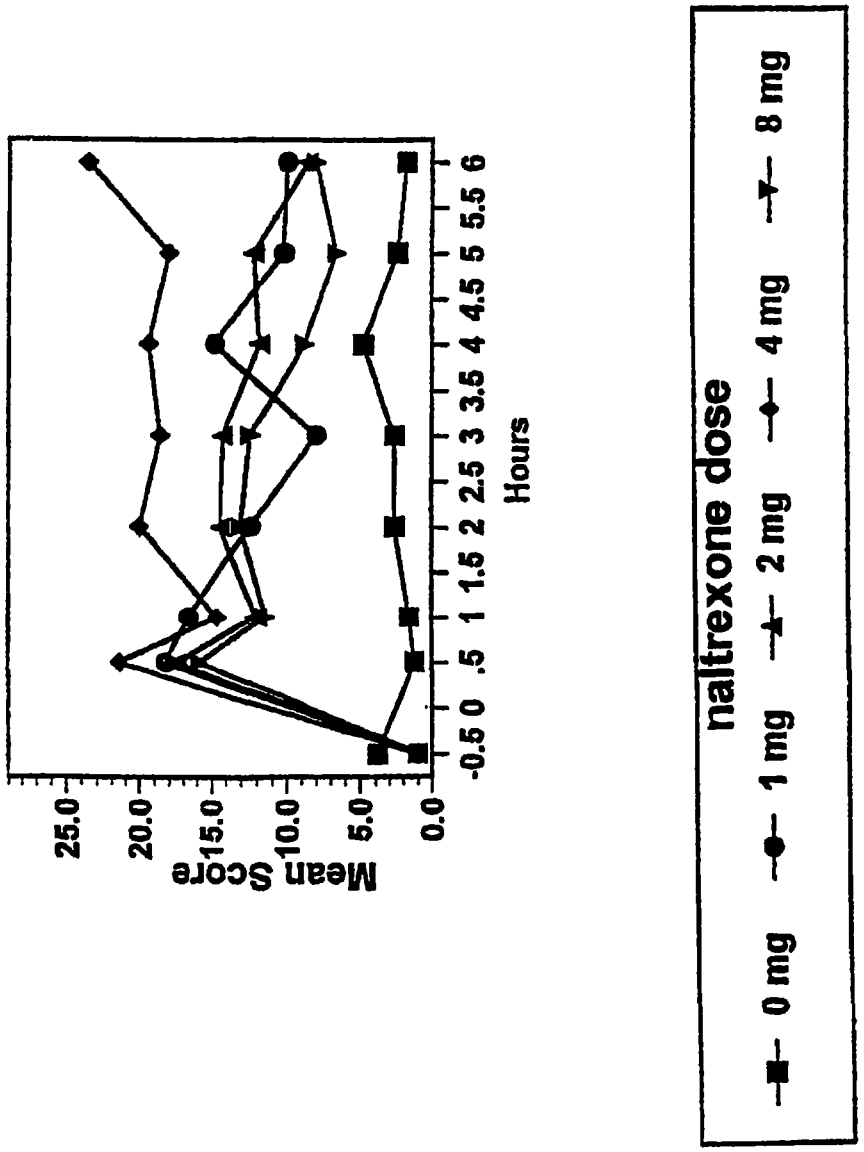


FIGURE 8B

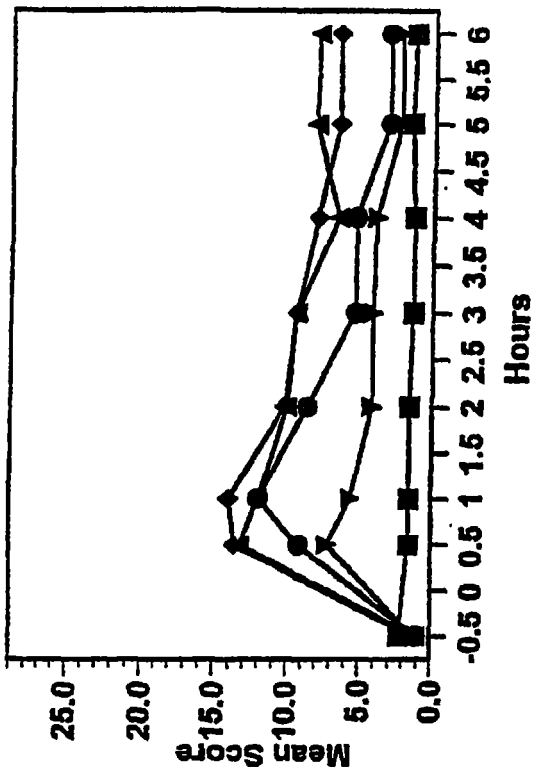
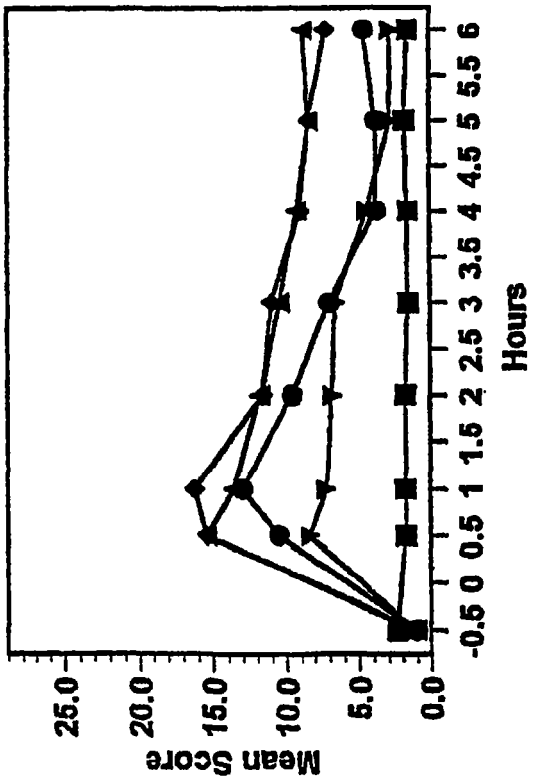


FIGURE 8A



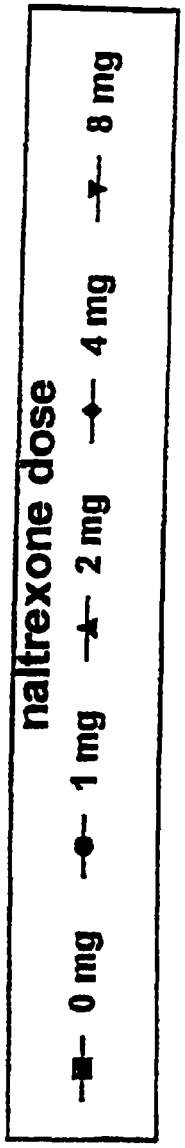


FIGURE 9B

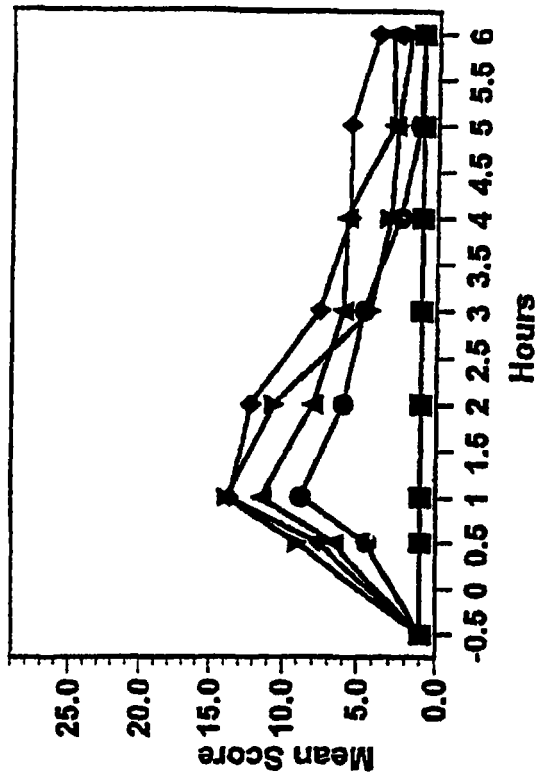
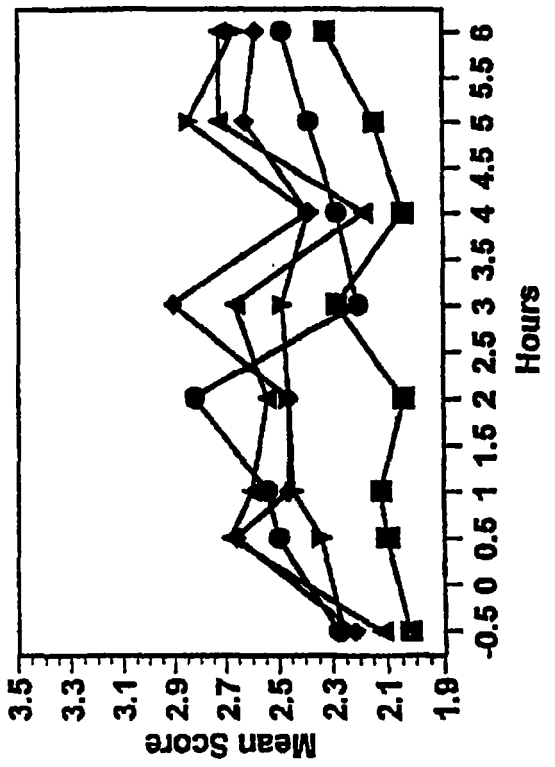


FIGURE 9A



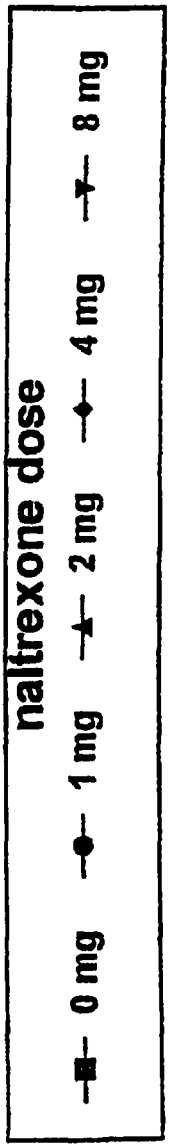


FIGURE 10A

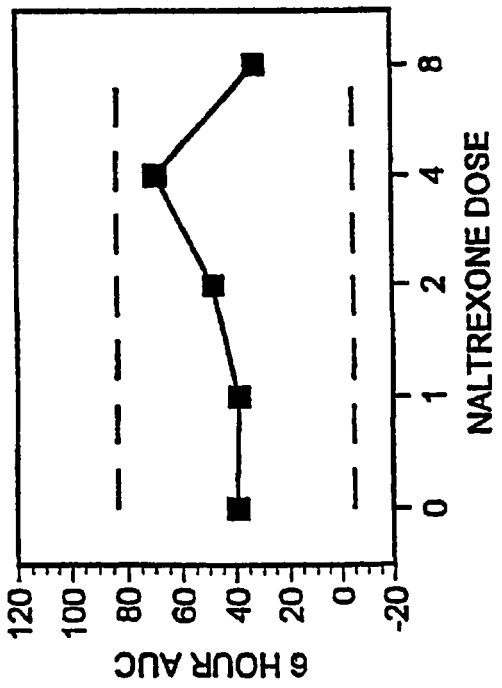


FIGURE 10B

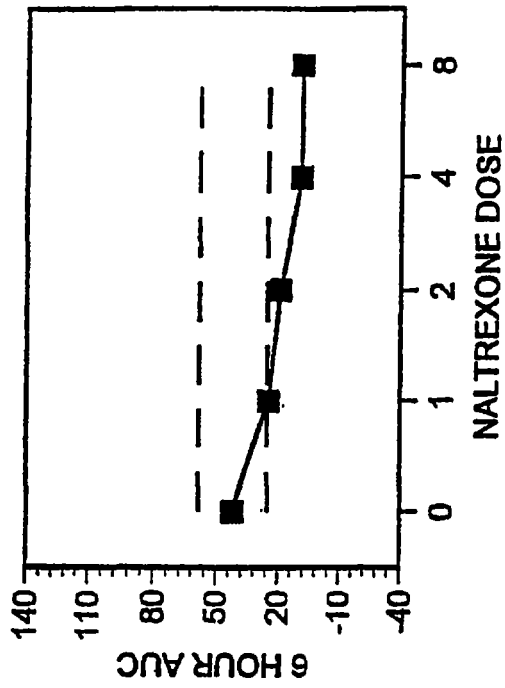
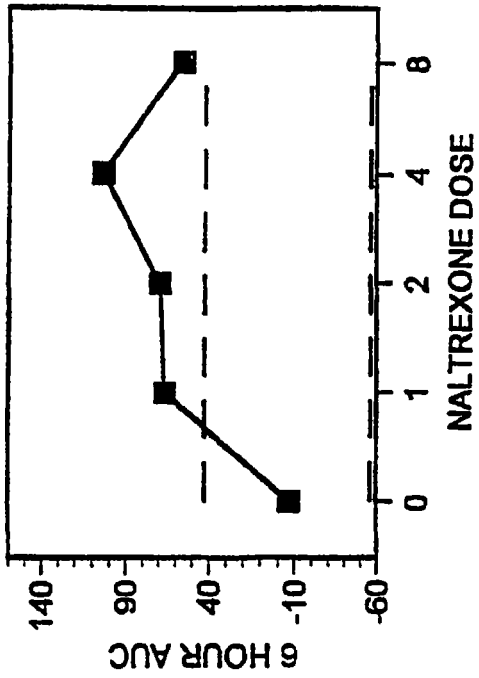


FIGURE 10C



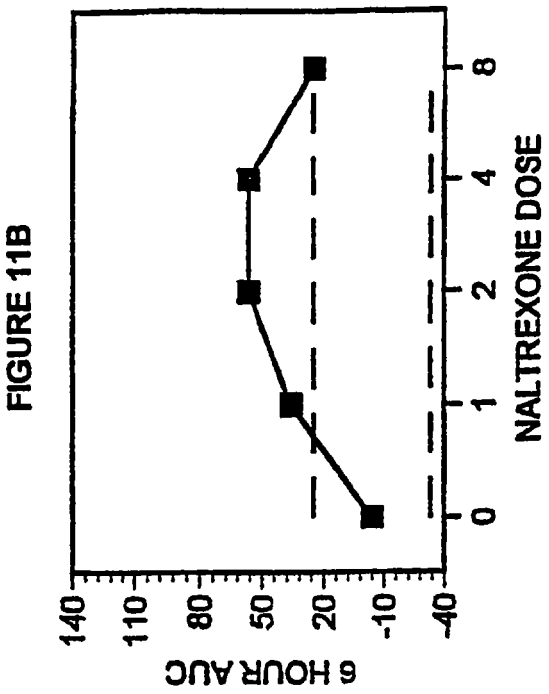


FIGURE 11B

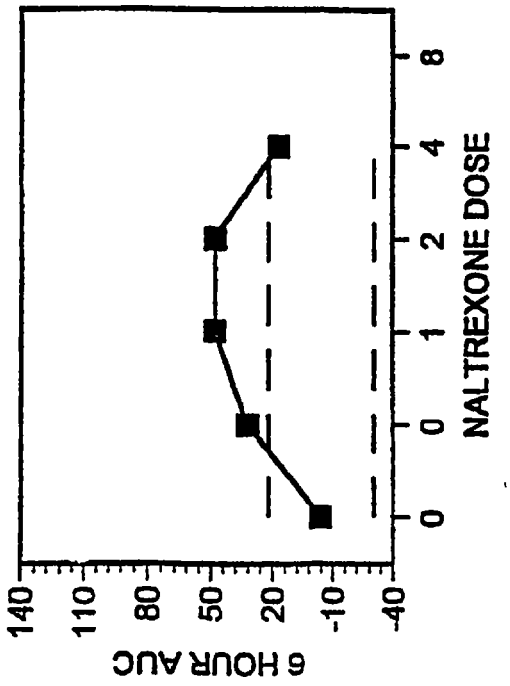


FIGURE 11A

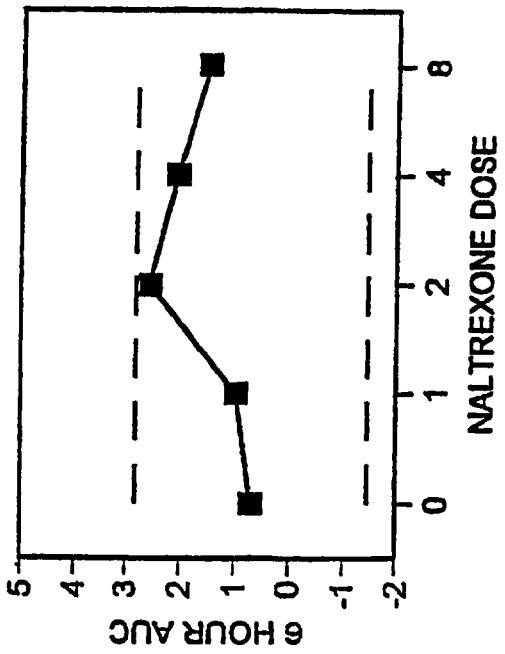


FIGURE 11C