Figure 1A

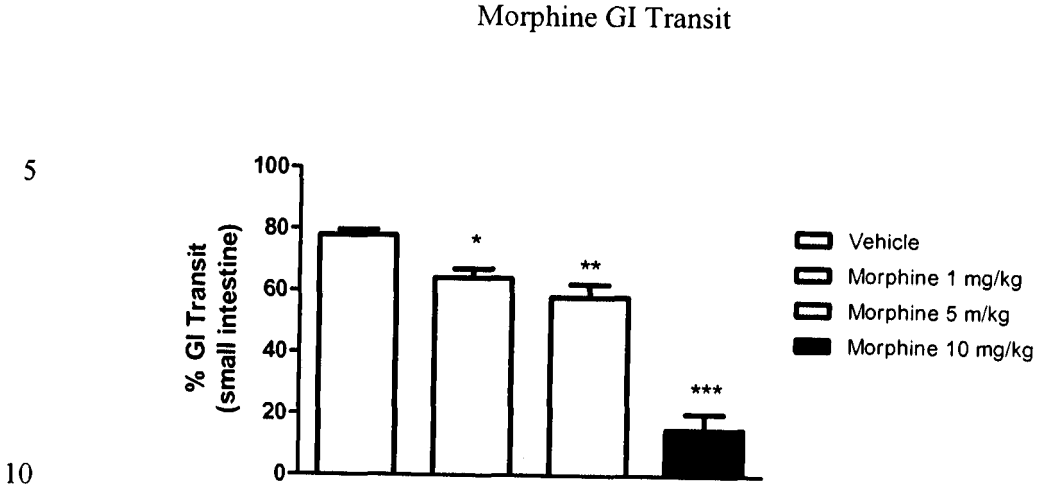


Figure 1B

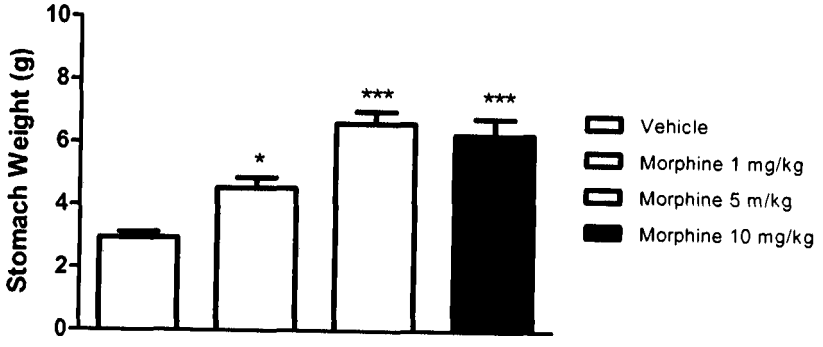


Figure 2A

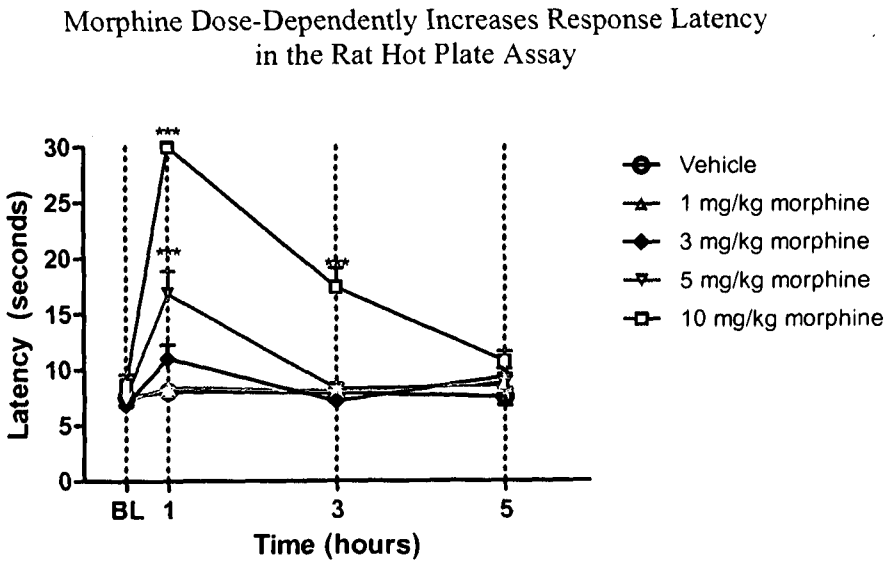


Figure 2B

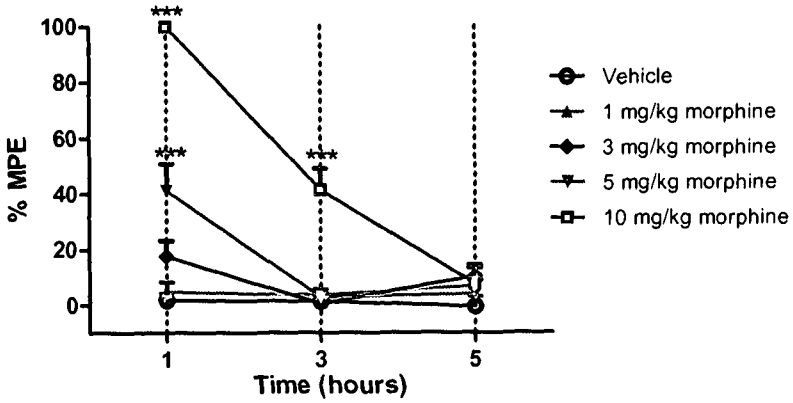


Figure 3A

Morphine Dose-Dependently Increases Response Latency in the Rat Tail Flick Assay

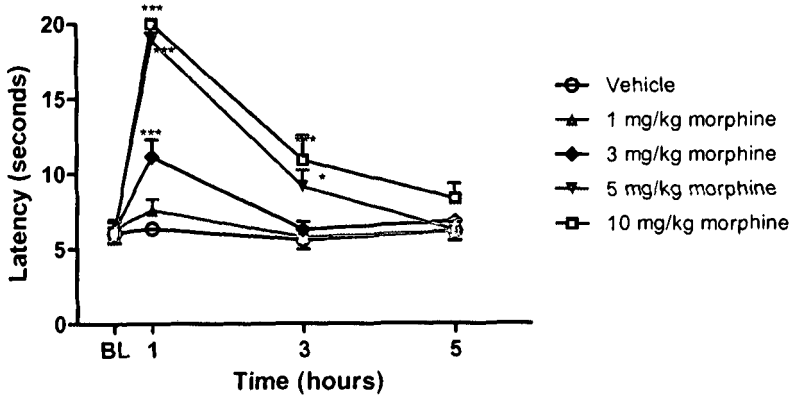


Figure 3B

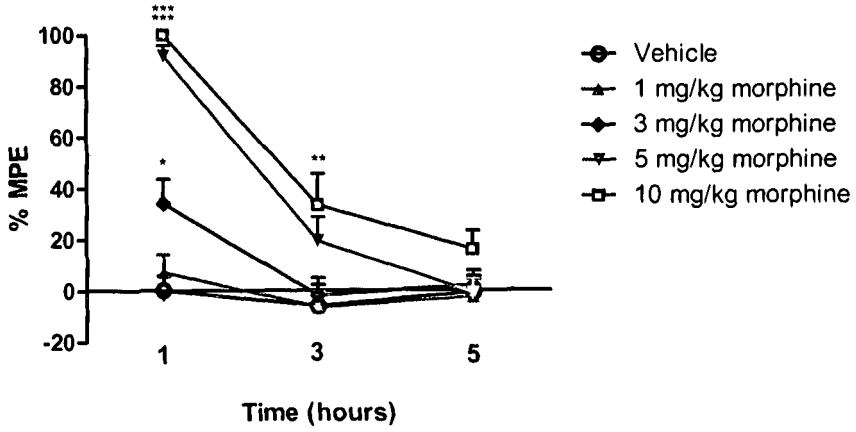


Figure 4A

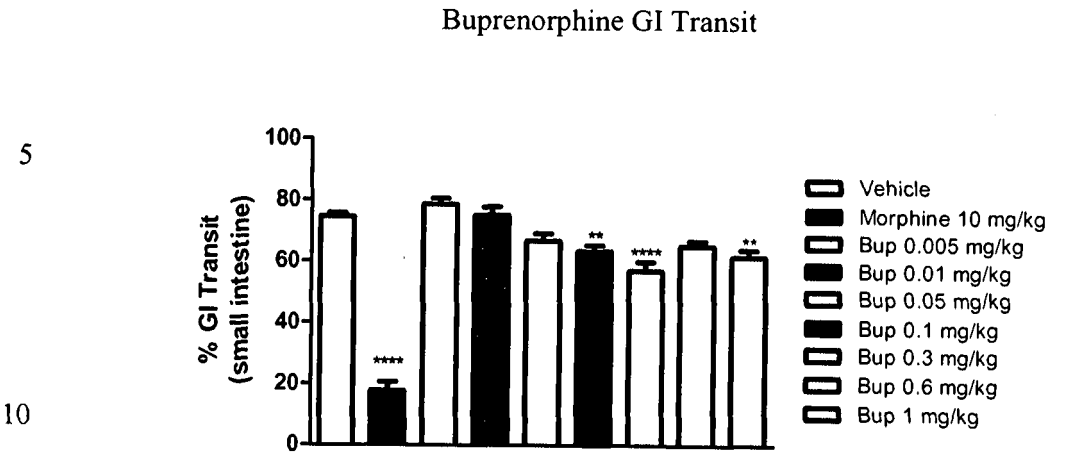


Figure 4B

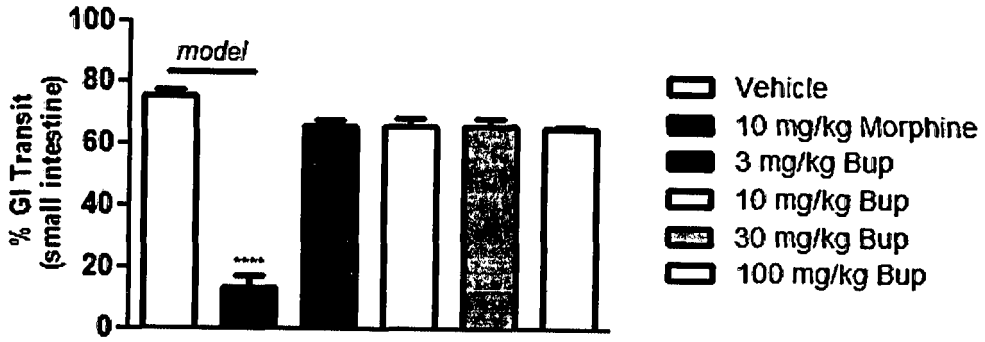


Figure 5A

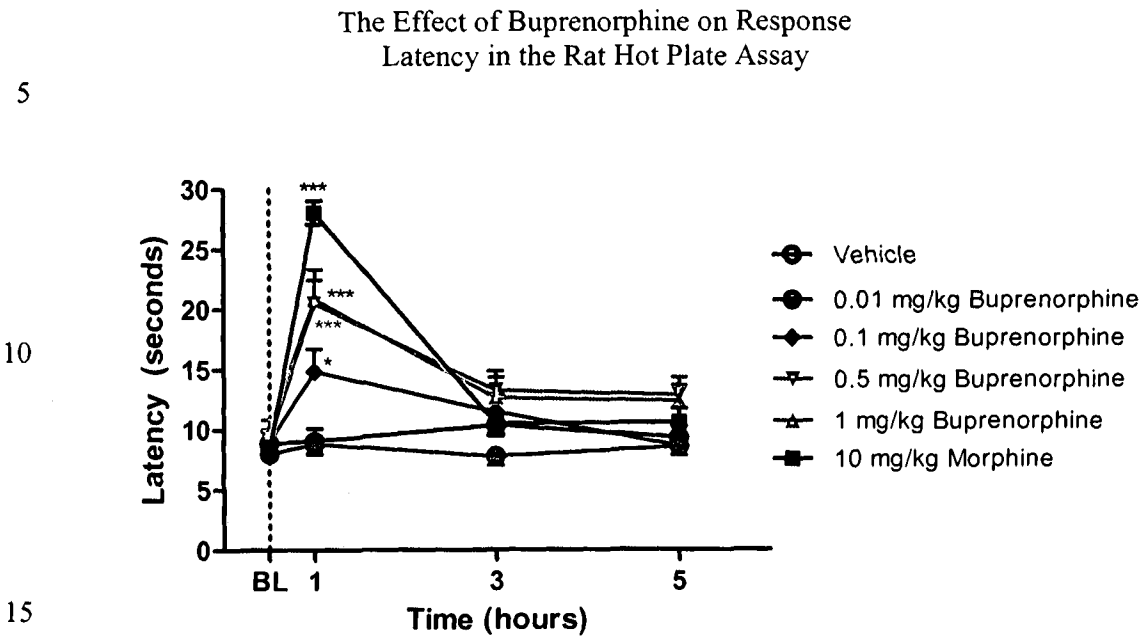

The Effect of Buprenorphine on Response Latency in the Rat Hot Plate Assay
Latency (seconds)
30
25
20
15
10
5
0
BL
1
3
5
Time (hours)
***
***
***
*
Vehicle
0.01 mg/kg Buprenorphine
0.1 mg/kg Buprenorphine
0.5 mg/kg Buprenorphine
1 mg/kg Buprenorphine
10 mg/kg Morphine

Figure 5B

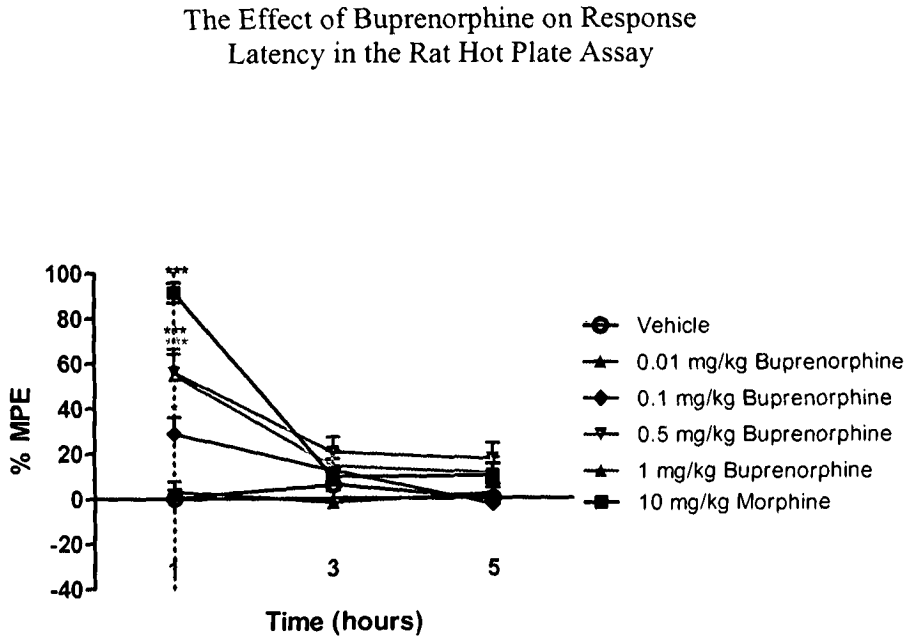


Figure 5C

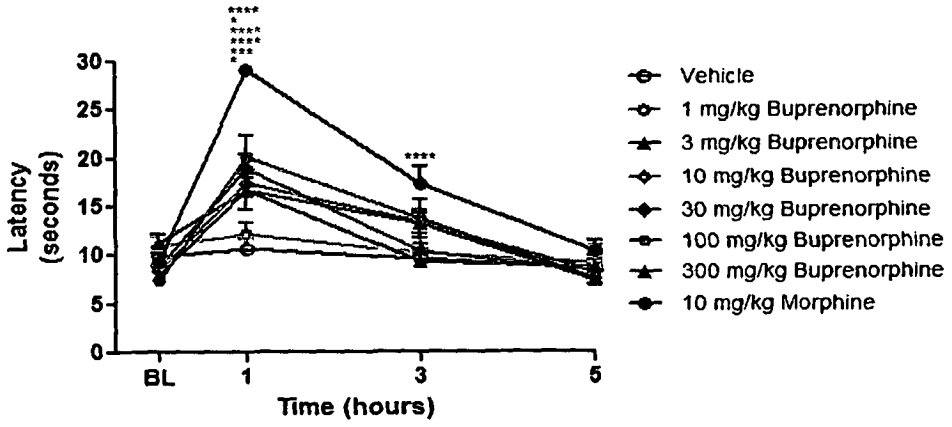


Figure 6A

Buprenorphine Dose-Dependently Increases Response Latency in the Rat Tail Flick Assay

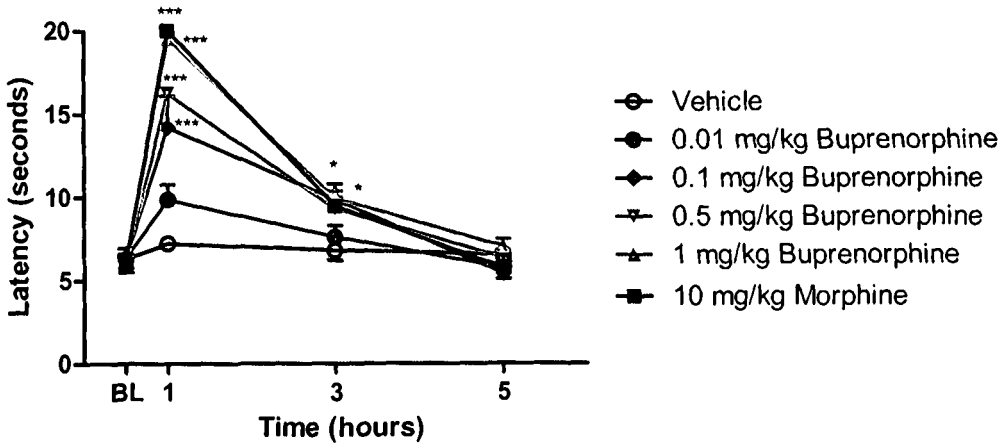


Figure 6B

Buprenorphine Dose-Dependently Increases Response Latency In The Rat Tail flick Test

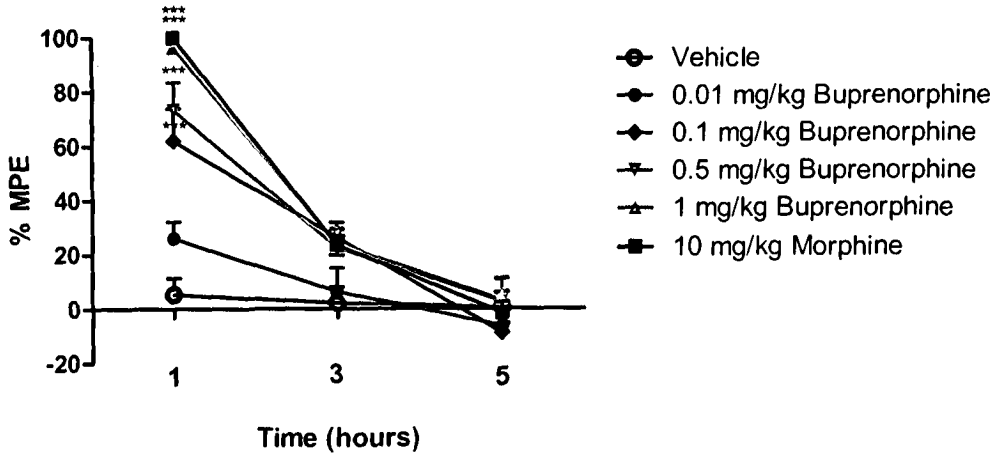


Figure 6C

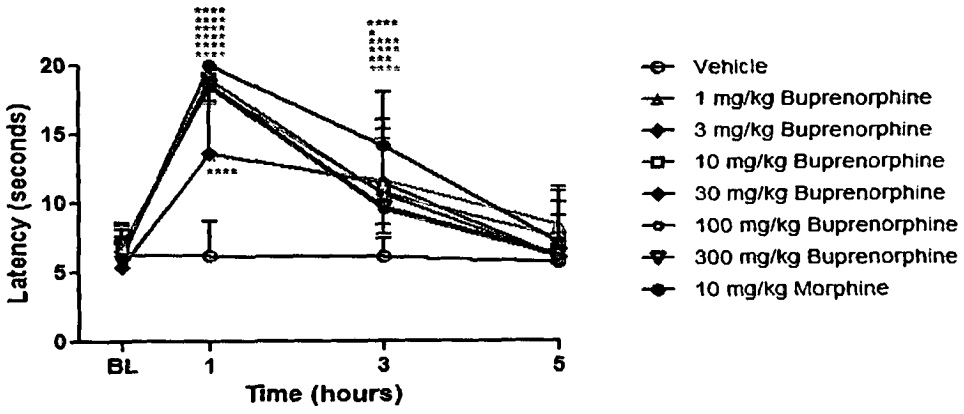


Figure 7A

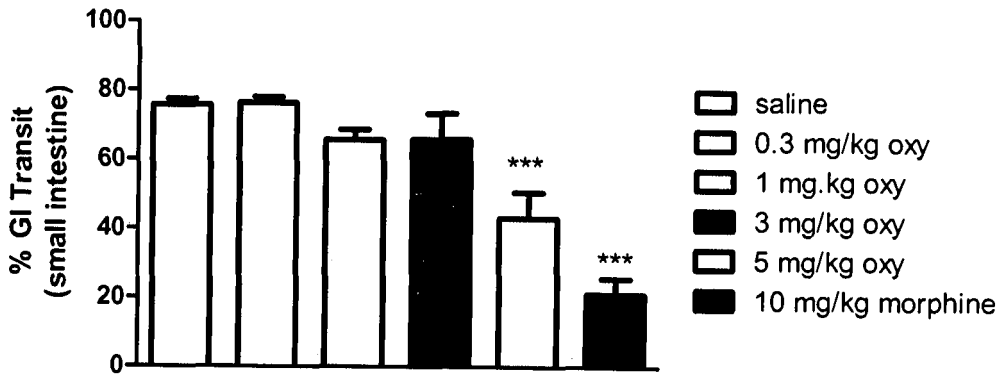


Figure 7B

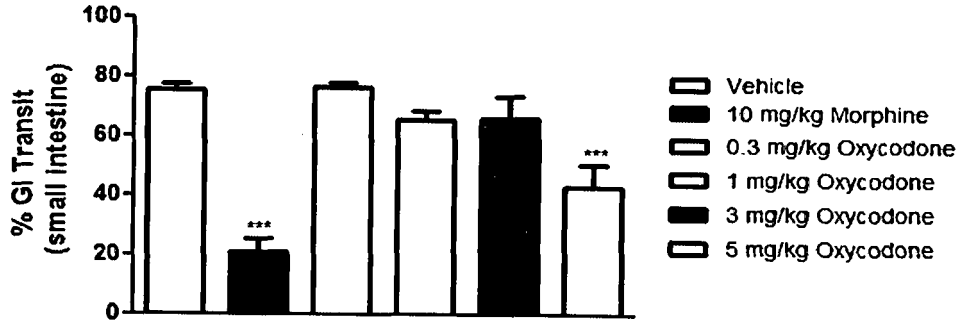


Figure 7C

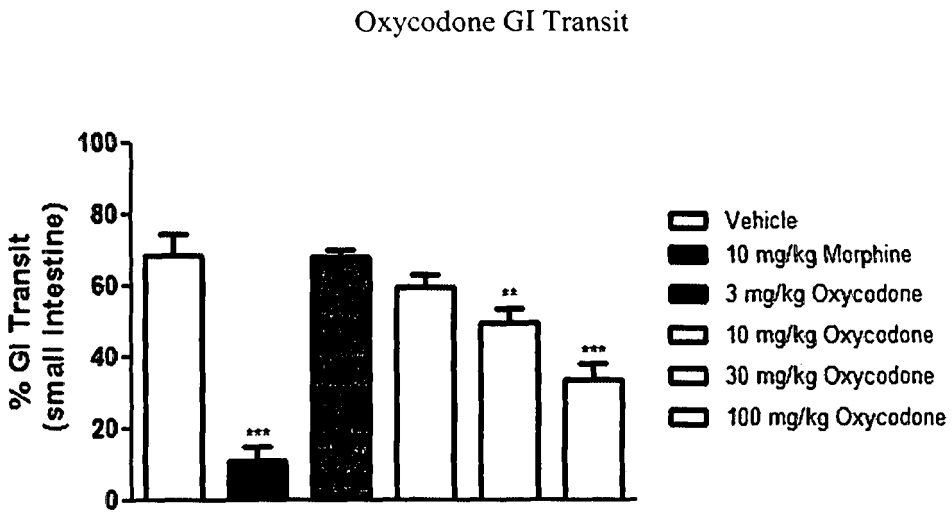


Figure 7D

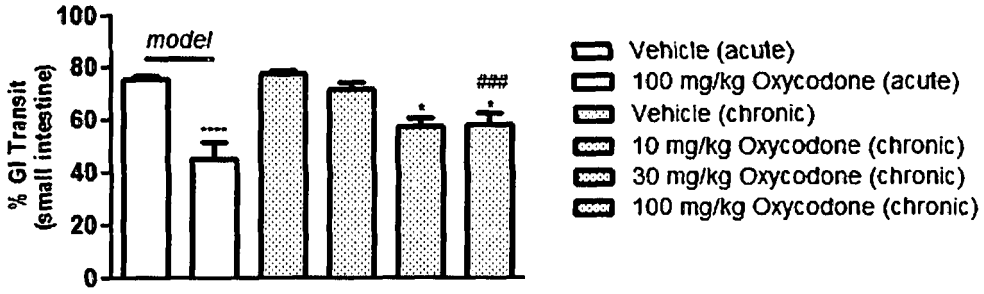


Figure 8A

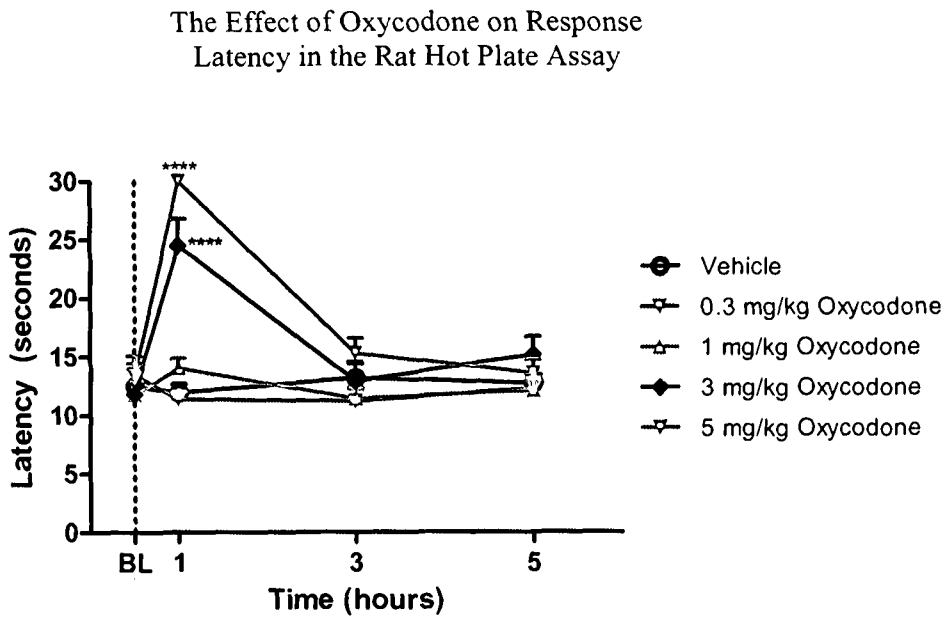


Figure 8B

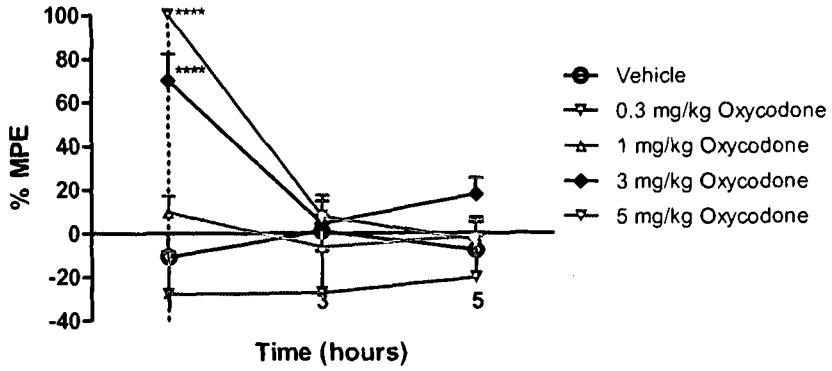


Figure 8C

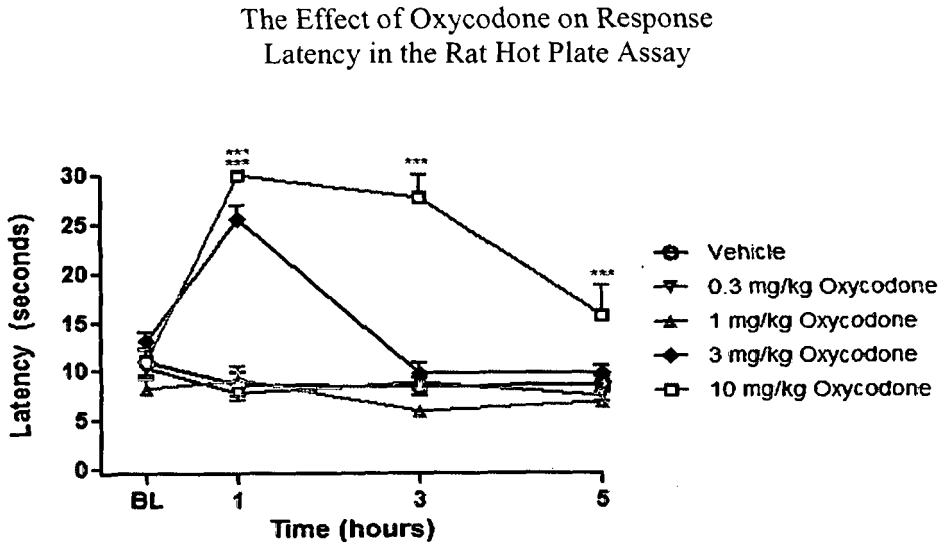


Figure 8D

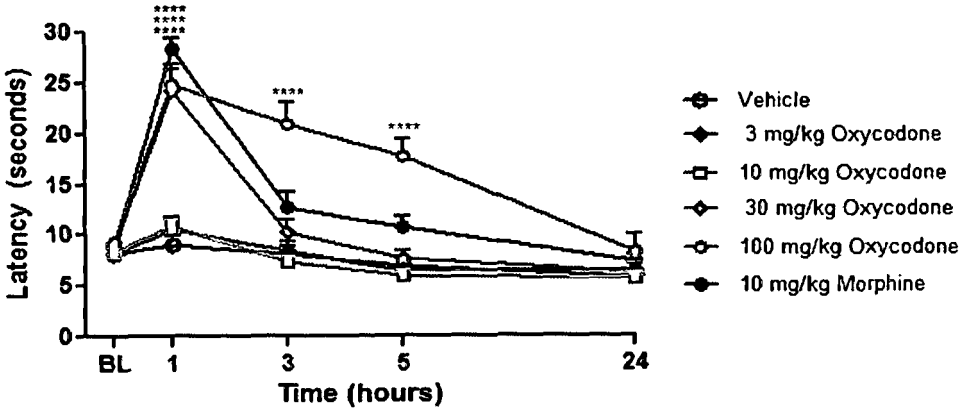


Figure 9A

Oxycodone Dose-Dependently Increases Response Latency In The Rat Tail flick Test

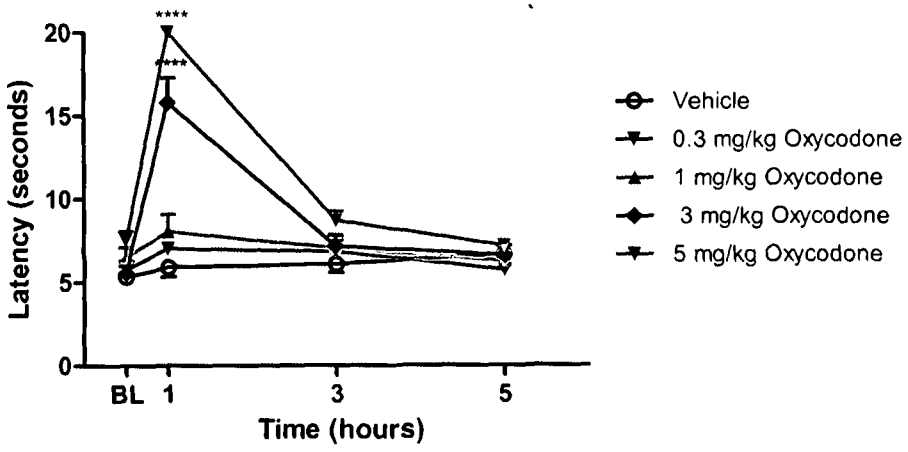


Figure 9B

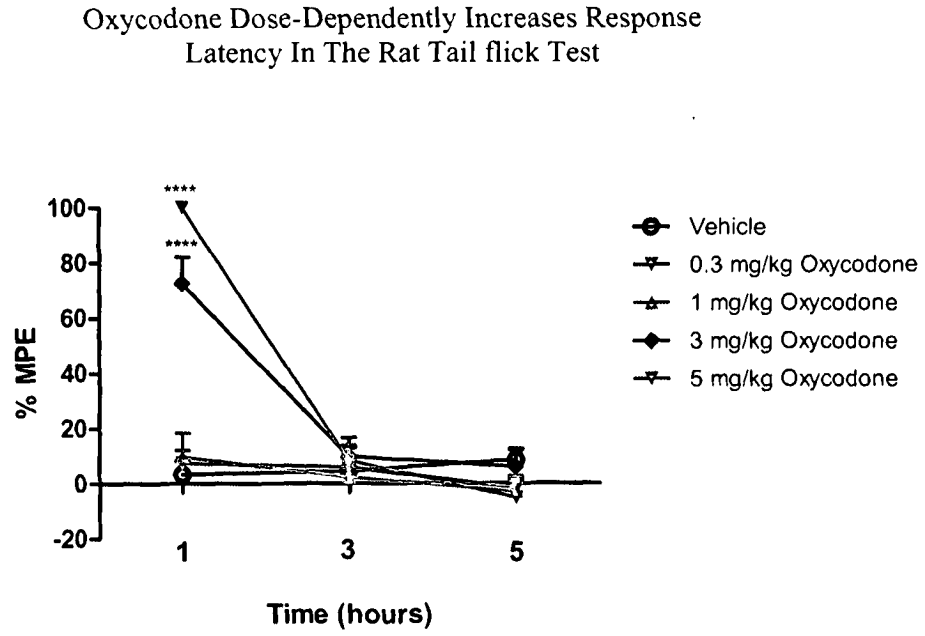


Figure 9C

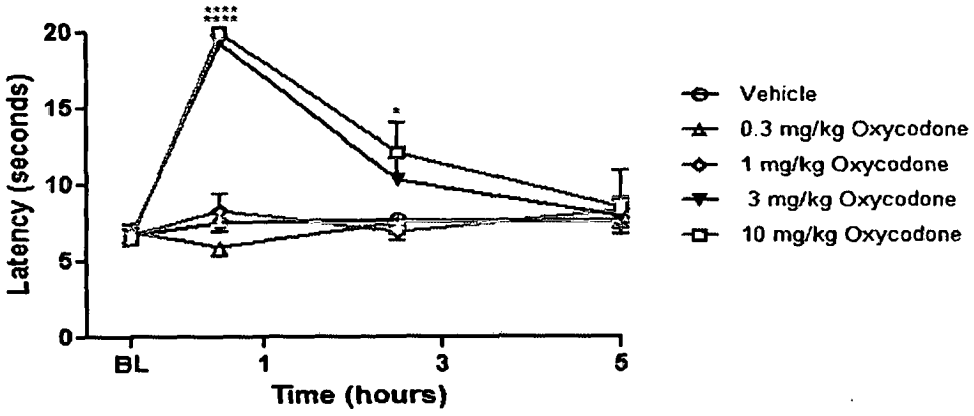


Figure 10

The Effect of Buprenorphine on MOR-Induced Inhibition of GI Transit in Rats

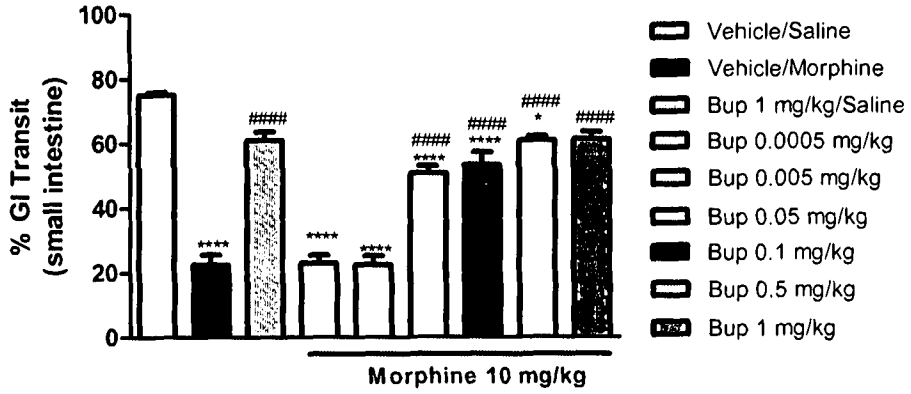


Figure 11

The Effect of Buprenorphine and Morphine Co-Administration on Rat GI Transit

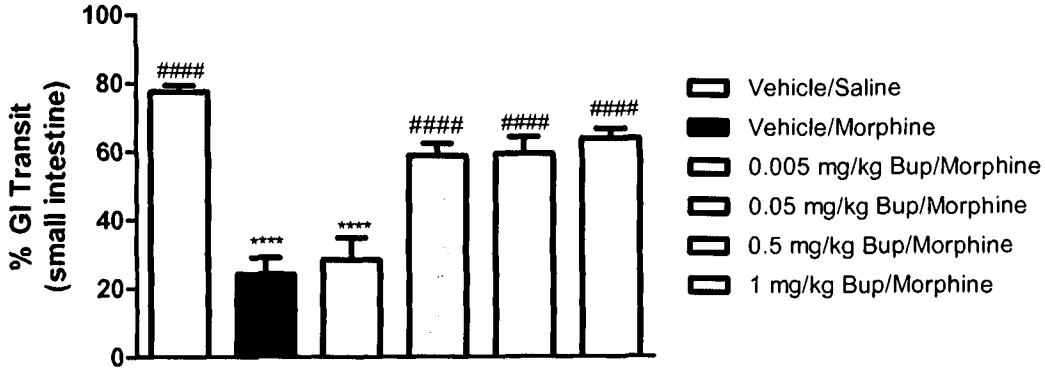


Figure 12A

The Effect of Buprenorphine on Morphine Analgesia in the Rat Hot Plate Assay

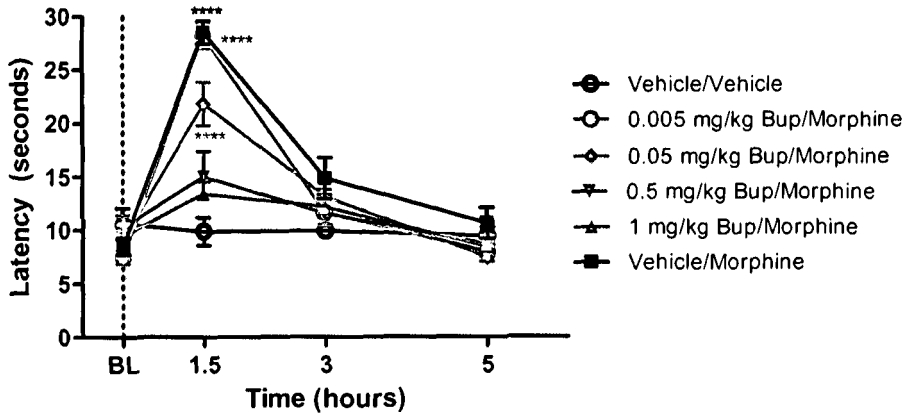


Figure 12B

The Effect of Buprenorphine on Morphine Analgesia in the Rat Hot Plate Assay
(Percent Reversal)

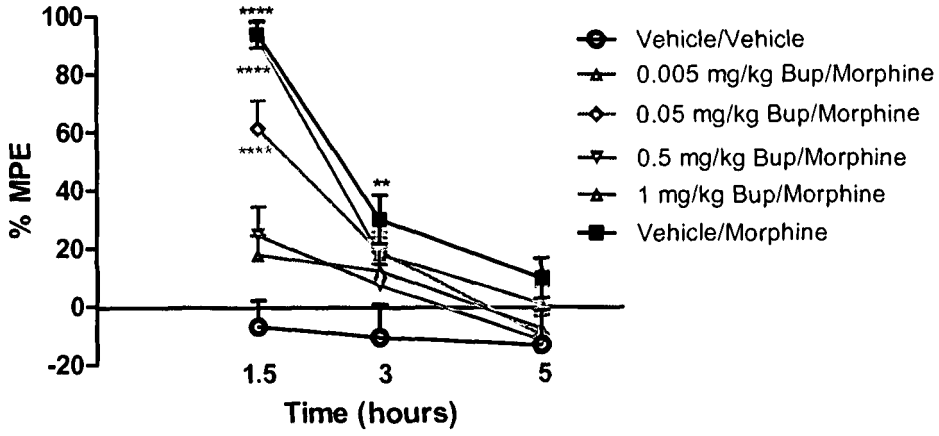


Figure 13A

The Effect of Buprenorphine on Morphine Analgesia in the Rat Tail Flick Assay

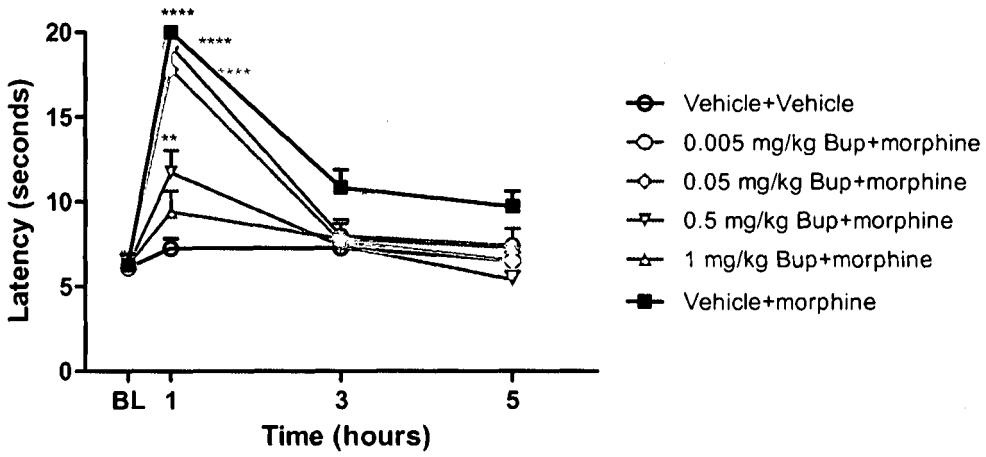


Figure 13B

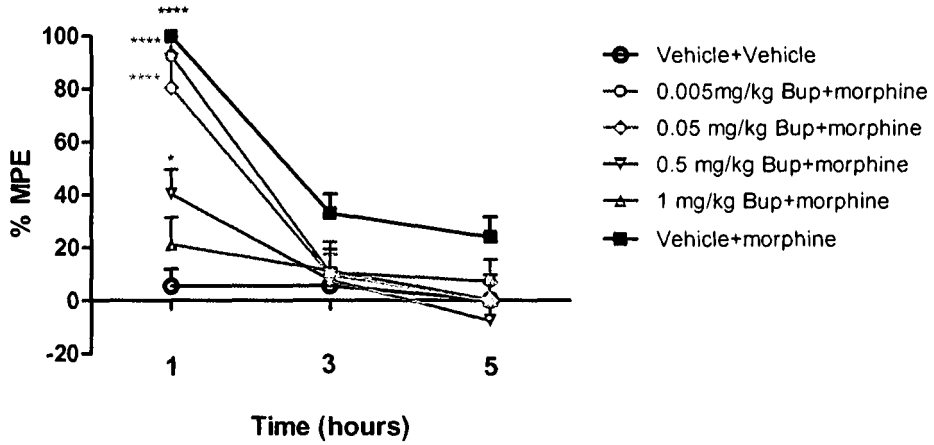


Figure 14A

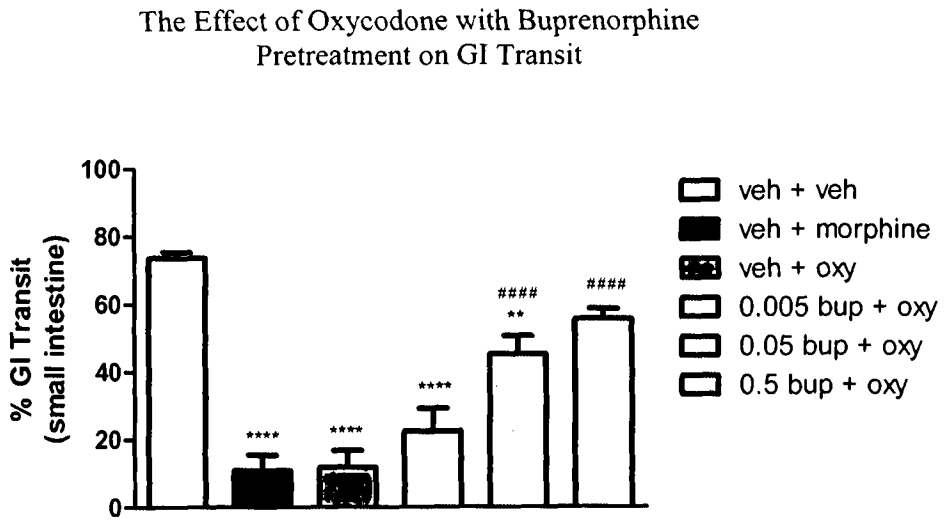


Figure 14B

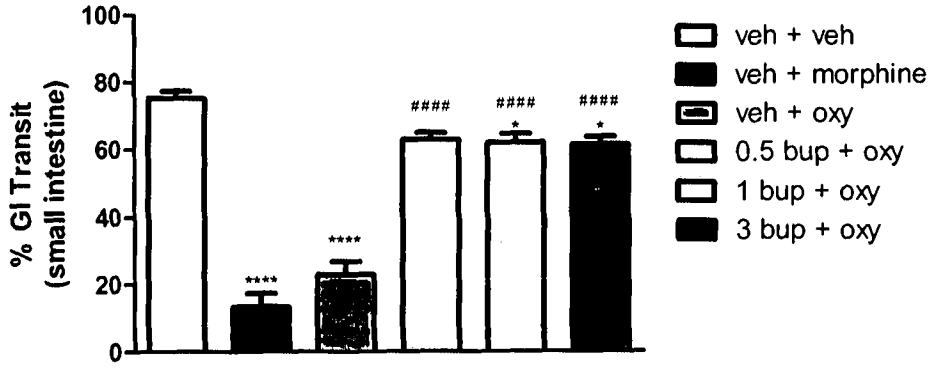


Figure 15

The Effect of Oral Buprenorphine on Oxycodone-Induced Inhibition of Rat GI Transit

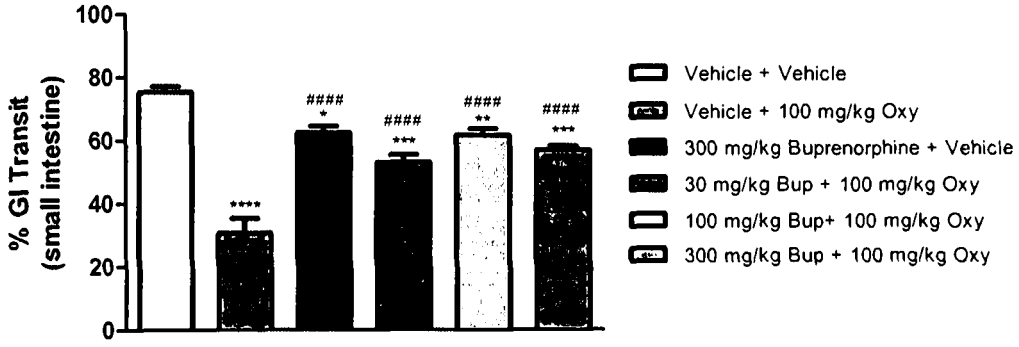


Figure 16

The Effect of Oral Buprenorphine and Oral Oxycodone Dosing on Rat GI Transit

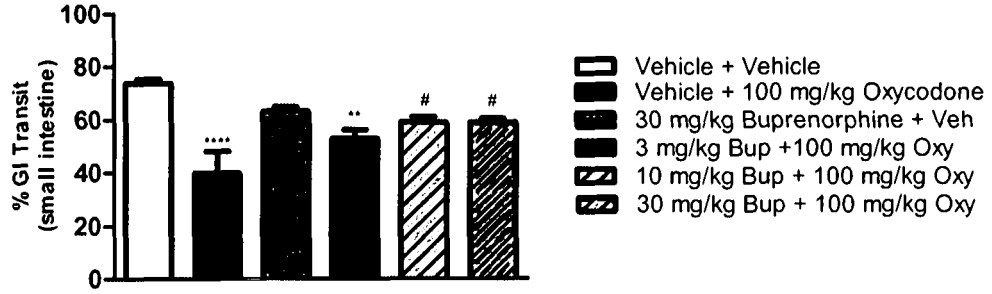


Figure 17A

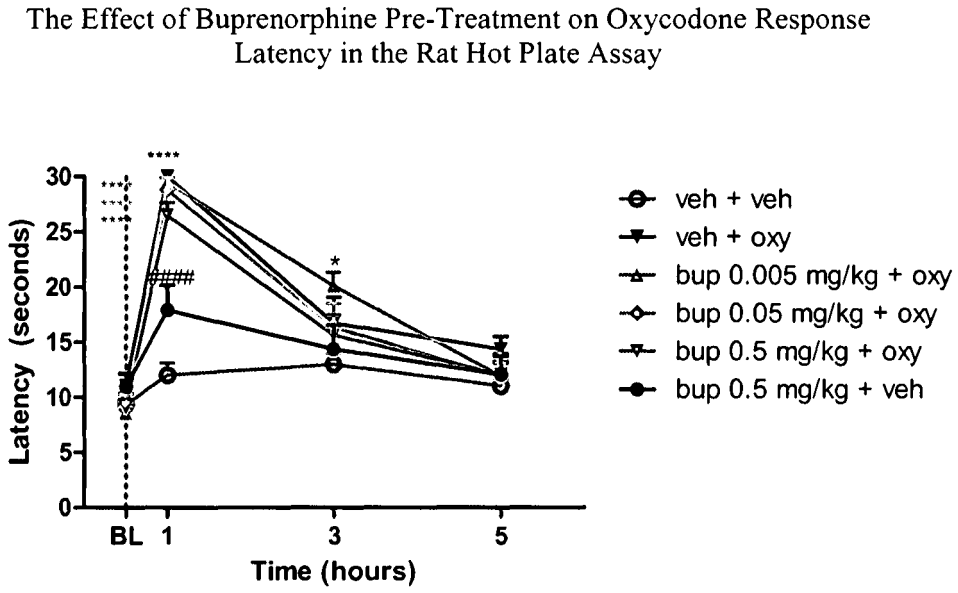


Figure 17B

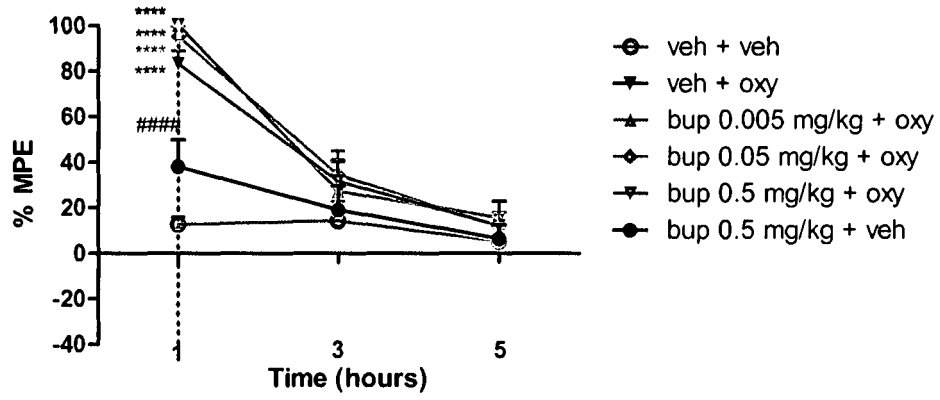


Figure 18A

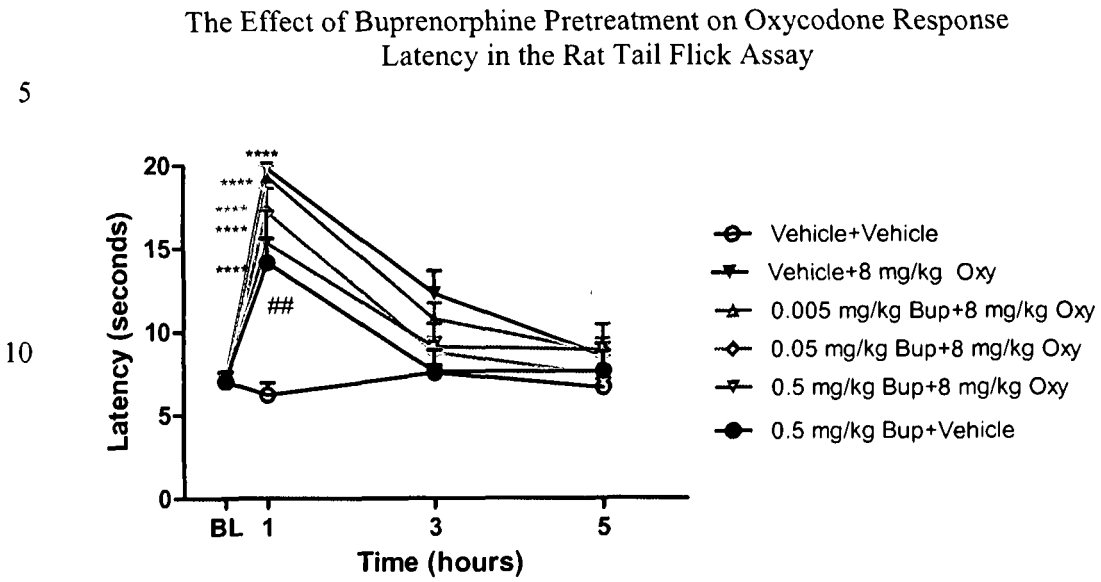


Figure 18B

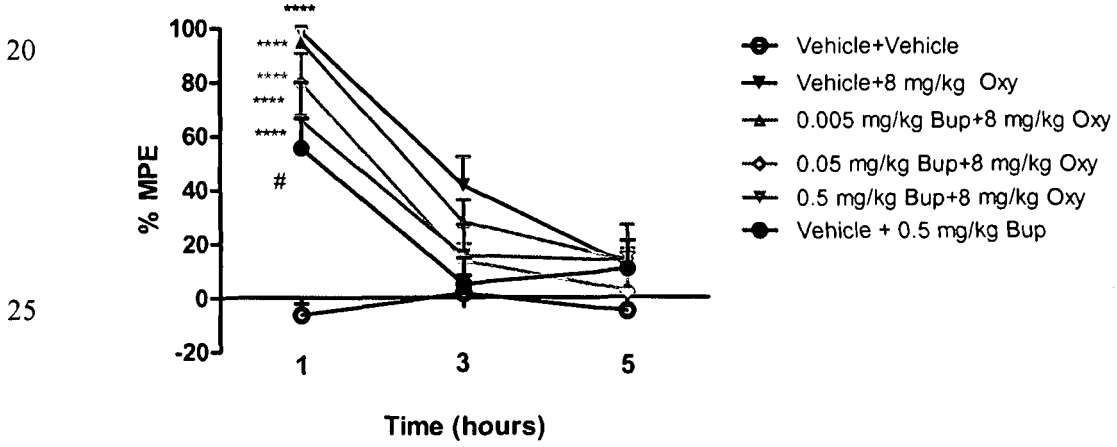


Figure 19A

The Effect of Buprenorphine and Oxycodone Co-Administration Response Latency in the Rat Tail Flick Assay

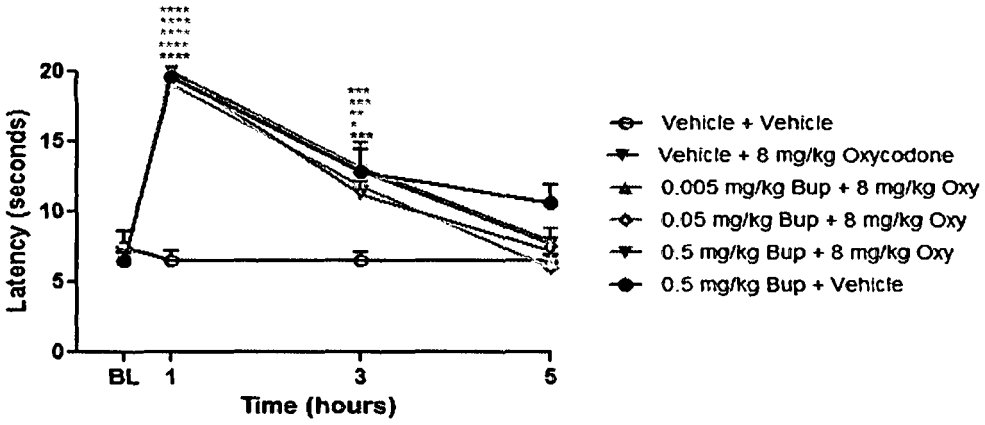


Figure 19B

The Effect of Buprenorphine and Oxycodone Co-Administration Response Latency in the Hot Plate Assay

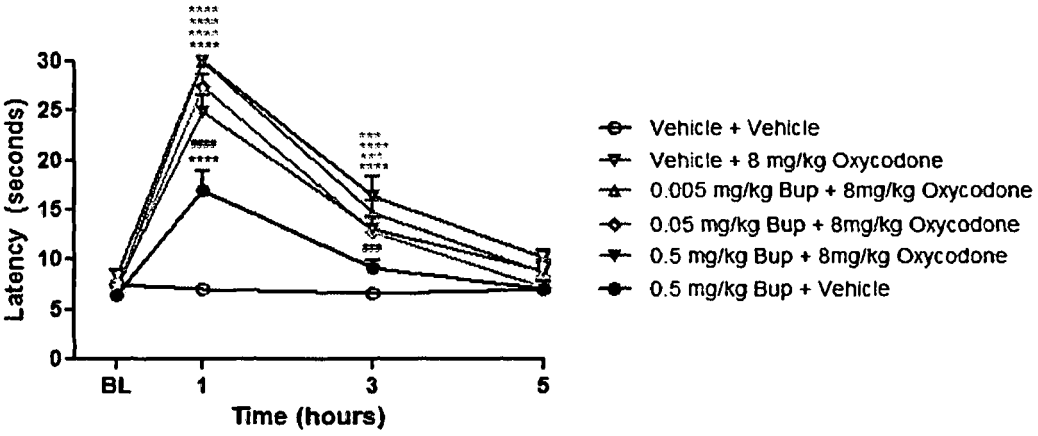


Figure 20

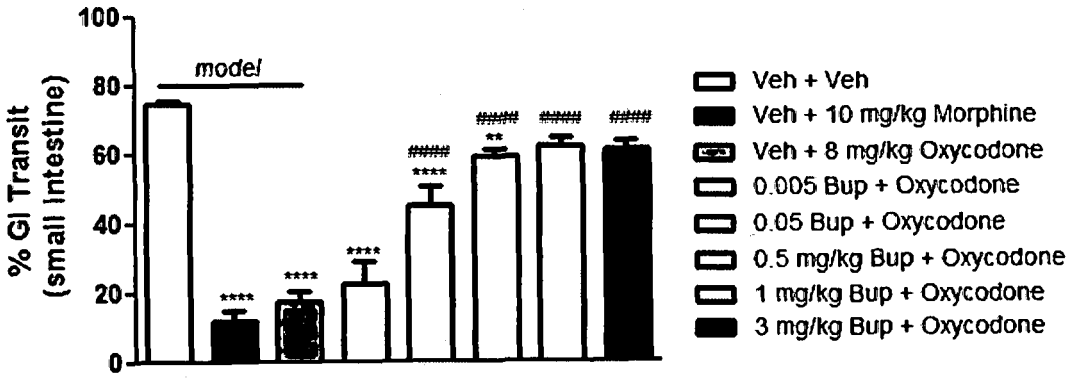


Figure 21

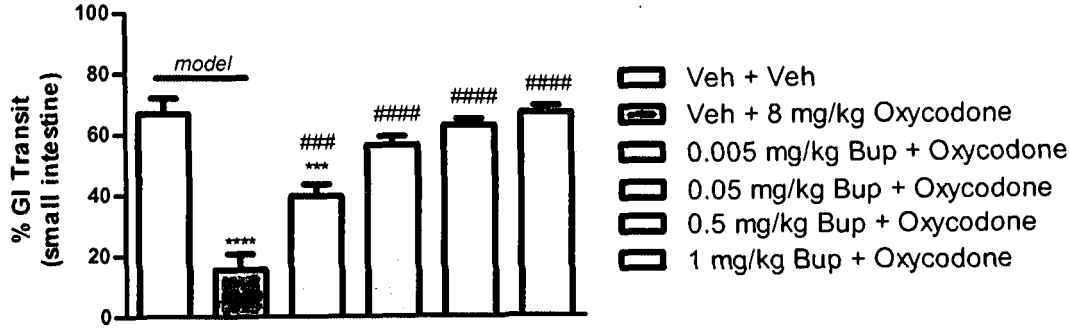


Figure 22

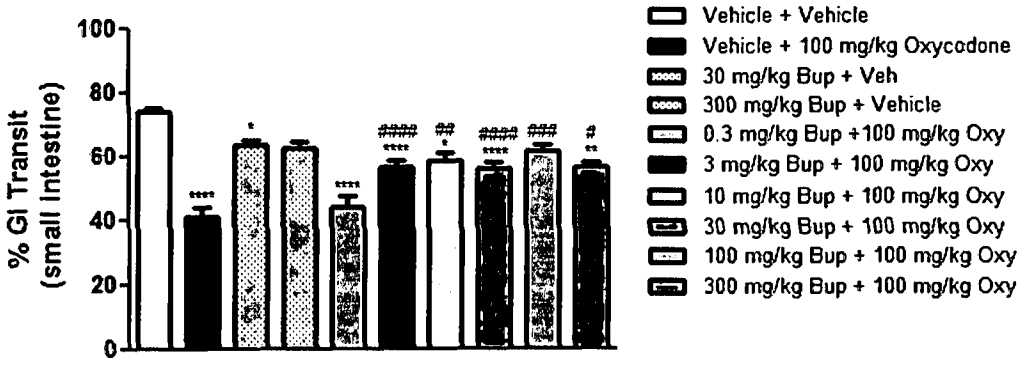


Figure 23

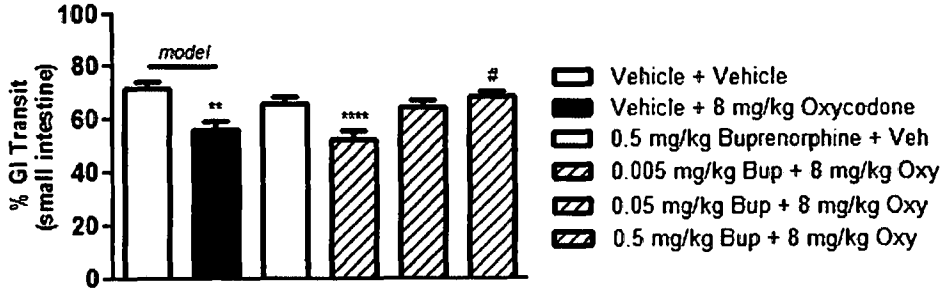
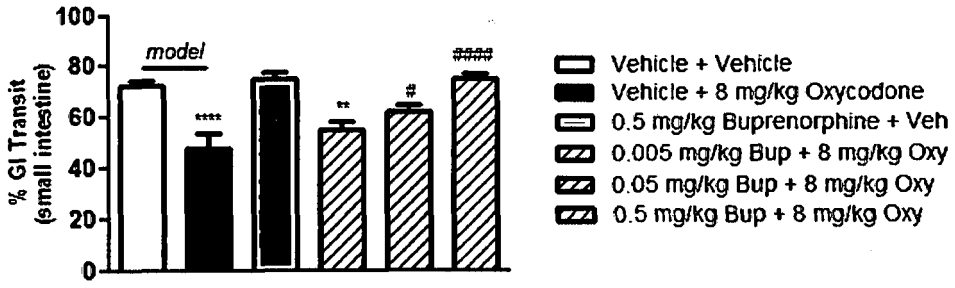


Figure 24


100
80
60
40
20
0
% GI Transit (small intestine)
model
****
**
#
####
Vehicle + Vehicle
Vehicle + 8 mg/kg Oxycodone
0.5 mg/kg Buprenorphine + Veh
0.005 mg/kg Bup + 8 mg/kg Oxy
0.05 mg/kg Bup + 8 mg/kg Oxy
0.5 mg/kg Bup + 8 mg/kg Oxy

5