

# Methylnaltrexone (Bromide)

Catalog No: tcsc0762



## Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



## Specifications

**CAS No:**

73232-52-7

**Formula:**

$C_{21}H_{26}BrNO_4$

**Pathway:**

GPCR/G Protein; Neuronal Signaling

**Target:**

Opioid Receptor; Opioid Receptor

**Purity / Grade:**

>98%

**Solubility:**

DMSO:  $\geq 31$  mg/mL

**Observed Molecular Weight:**

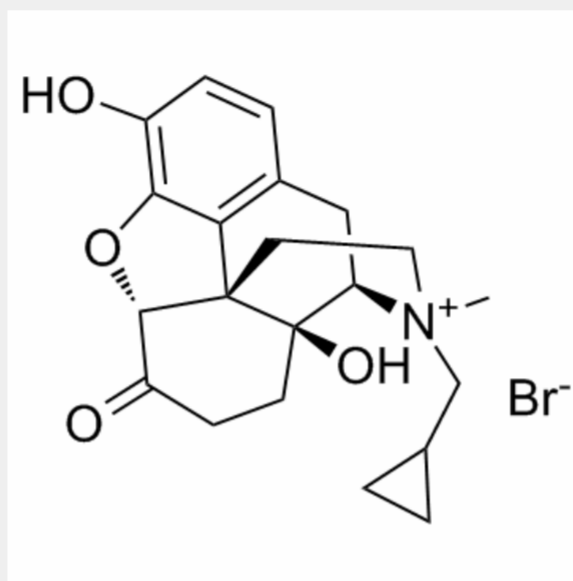
436.34

## Product Description

Methylnaltrexone (Bromide) is a **peripheral-acting opioid receptor** antagonist that acts on the gastrointestinal tract to decrease

opioid-induced constipation.

**In Vivo:** Methylnaltrexone bromide (1 and 10 mg/kg, s.c.) has no effect on tyrosine-induced analgesia. Intracerebroventricular injection of Methylnaltrexone bromide (1 and 10 mg/rat) effectively blocks tyrosine-induced analgesia<sup>[1]</sup>. Methylnaltrexone bromide (0.01-10.00 mg/kg), does not significantly influence retention latencies of either shocked or unshocked mice. Further, Methylnaltrexone bromide (0.1, 1.0, or 10.0 mg/kg) does not block the retention impairment produced by concurrently administered morphine (3.0 mg/kg) or beta-endorphin (0.1 mg/kg)<sup>[2]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!