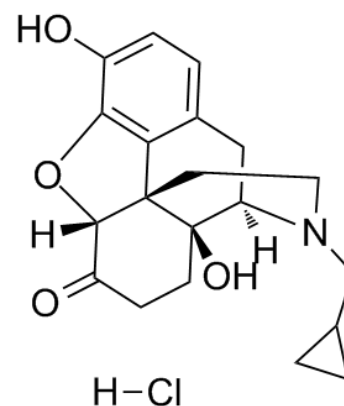


Product Name : Naltrexone hydrochloride
Cat. No. : PC-45978
CAS No. : 16676-29-2
Molecular Formula : C₂₀H₂₄ClNO₄
Molecular Weight : 377.8618
Target : Opioid Receptor
Solubility : DMSO: ≥ 33 mg/mL



Biological Activity

A potent, competitive antagonist for μ , κ , δ , and σ -opioid receptors with K_i of 0.0825 nM, 0.509 nM, and 8.02 nM, for MOR, KOR, and DOR, respectively; also inhibits IL-6 and TNF α production in human immune cell subsets following stimulation with ligands for intracellular TLRs; a TLR-4 antagonist that inhibits LPS-induced TLR4 downstream NO production in microglia BV-2 cells (IC₅₀=105 μ M).

Alcoholism
Approved

References

Codd EE, et al. J Pharmacol Exp Ther. 1995 Sep;274(3):1263-70.

Cant R, et al. Front Immunol. 2017 Jul 11;8:809.

Selfridge BR, et al. J Med Chem. 2015 Jun 25;58(12):5038-52.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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