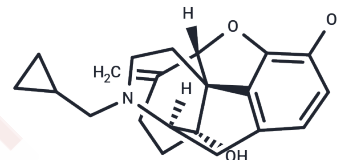


Nalmefene

Chemical Properties

CAS No. :	55096-26-9
Formula:	C ₂₁ H ₂₅ NO ₃
Molecular Weight:	339.43
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Nalmefene (ORF 11676) is a μ -opioid antagonist and partial κ agonist used in the study of opioid overdose and alcohol dependence.
Targets(IC ₅₀)	Apoptosis,NF- κ B,Opioid Receptor,NO Synthase,p38 MAPK,ROS,TLR

Solubility Information

Solubility	DMSO: 120 mg/mL (353.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9461 mL	14.7306 mL	29.4612 mL
5 mM	0.5892 mL	2.9461 mL	5.8922 mL
10 mM	0.2946 mL	1.4731 mL	2.9461 mL
50 mM	0.0589 mL	0.2946 mL	0.5892 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wang DS, et al. Nalmefene: a long-acting opioid antagonist. Clinical applications in emergency medicine. J Emerg Med. 1998 May-Jun;16(3):471-5.

Mann K, et al. Nalmefene for the management of alcohol dependence: review on its pharmacology, mechanism of action and meta-analysis on its clinical efficacy. Eur Neuropsychopharmacol. 2016 Dec;26(12):1941-1949.

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