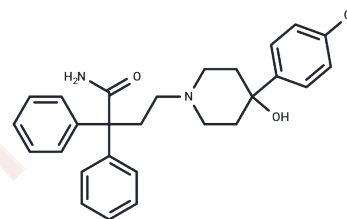


N-didesmethyl Loperamide

Chemical Properties

CAS No. :	66164-06-5
Formula:	C ₂₇ H ₂₉ ClN ₂ O ₂
Molecular Weight:	448.98
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	N-didesmethyl Loperamide, an active metabolite of the peripheral μ 1-opioid receptor agonist loperamide, impedes electrically induced contractions in isolated guinea pig myenteric plexus (IC ₅₀ = 370 nM) and enhances the sensitivity of a chloroquine-resistant P. falciparum strain to chloroquine (EC ₅₀ = 482 nM). Notably, it achieves this without causing toxicity in A-10 vascular smooth muscle cells (IC ₅₀ = >10,000 nM).
Targets(IC ₅₀)	Others, Drug Metabolite

Solubility Information

Solubility	Acetonitrile: slightly soluble Chloroform: sparingly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2273 mL	11.1364 mL	22.2727 mL
5 mM	0.4455 mL	2.2273 mL	4.4545 mL
10 mM	0.2227 mL	1.1136 mL	2.2273 mL
50 mM	0.0445 mL	0.2227 mL	0.4455 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481