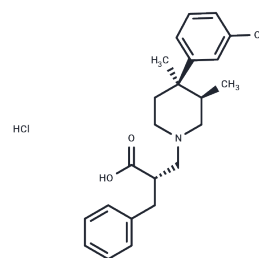


ADL 08-0011 HCl

Chemical Properties

CAS No. : 170098-43-8
 Formula: C₂₃H₃₀ClNO₃
 Molecular Weight: 403.947
 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	ADL 08-0011 is an active metabolite of the μ -opioid receptor antagonist alvimopan. It is produced from alvimopan via amide hydrolysis by gut microbiota. ADL 08-0011 is a μ -opioid receptor antagonist ($K_i = 0.25$ nM). It is selective for μ -opioid receptors over κ - and δ -opioid receptors ($K_{is} = 15.8$ and 31.6 nM, respectively). ADL 08-0011 inhibits endomorphin 1-induced inhibition of electrically induced contraction of isolated guinea pig ileum ($pA_2 = 9.4$). In vivo, ADL 08-0011 (0.03-1 mg/kg) reverses loperamide-induced delayed gastric emptying in a rat model of castor oil-induced diarrhea.
Targets(IC50)	Others,Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4756 mL	12.3778 mL	24.7555 mL
5 mM	0.4951 mL	2.4756 mL	4.9511 mL
10 mM	0.2476 mL	1.2378 mL	2.4756 mL
50 mM	0.0495 mL	0.2476 mL	0.4951 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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