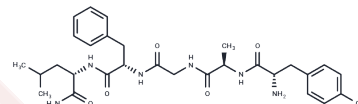


[D-Ala2] Leu-Enkephalinamide

Chemical Properties

CAS No. :	65189-64-2
Formula:	C ₂₉ H ₄₀ N ₆ O ₆
Molecular Weight:	568.66
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	[D-Ala2] Leu-Enkephalinamide, an enkephalin analog, exhibits significant corneal permeability and analgesic properties, making it suitable for ocular disease research [1] [2].
In vitro	[D-Ala2] Leu-Enkephalinamide (MEA) functions as an agonist at opioid receptors, selectively binding and modulating neurotransmitter release to produce analgesic effects. It mimics endogenous opioid peptides, primarily targeting mu-type receptors crucial for pain regulation in the central nervous system.
In vivo	D-Ala2-Leu-enkephalinamide administered subcutaneously (s.c.) demonstrates increased activity in morphine-dependent animals [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7585 mL	8.7926 mL	17.5852 mL
5 mM	0.3517 mL	1.7585 mL	3.517 mL
10 mM	0.1759 mL	0.8793 mL	1.7585 mL
50 mM	0.0352 mL	0.1759 mL	0.3517 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

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