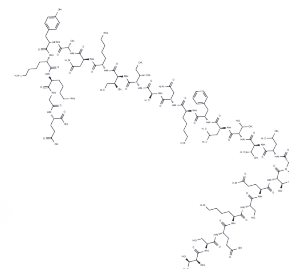


β -Endorphin (6-31), human

Chemical Properties

CAS No. :	77761-27-4
Formula:	C131H218N34O40
Molecular Weight:	2909.38
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	β -Endorphin is an endogenous opioid neuropeptide and opioid receptor agonist that preferentially binds to μ -opioid receptors. Produced by specific neurons within the central and peripheral nervous system, it is one of three endorphins synthesized in humans. It functions to alleviate stress, maintain homeostasis, and regulate neurological pain perception [1].
Targets(IC50)	Opioid Receptor
In vivo	β -Endorphin, administered intraperitoneally in male Swiss mice at doses ranging from 0.03 to 1.00 μ g/kg, immediately post-training, dose-dependently disrupts the retention of a single-trial inhibitory avoidance task. Additionally, it plays a role in the process of memory consolidation [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3437 mL	1.7186 mL	3.4372 mL
5 mM	0.0687 mL	0.3437 mL	0.6874 mL
10 mM	0.0344 mL	0.1719 mL	0.3437 mL
50 mM	0.0069 mL	0.0344 mL	0.0687 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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