

Deltorpin

Chemical Properties

CAS No. : 119975-64-3

Formula: C44H62N10O10S2

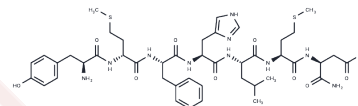
Molecular Weight: 955.15

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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	Deltorpin (Dermenkephalin) is Isolated from the skin of Phyllomedusa Sauvage. It also has an affinity to the opioid receptor.
Targets(IC50)	Opioid Receptor

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.047 mL	5.2348 mL	10.4696 mL
5 mM	0.2094 mL	1.047 mL	2.0939 mL
10 mM	0.1047 mL	0.5235 mL	1.047 mL
50 mM	0.0209 mL	0.1047 mL	0.2094 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

Aono Y, et al. Stimulation of accumbal GABA(A) receptors inhibits delta2-, but not delta1-, opioid receptor-mediated dopamine efflux in the nucleus accumbens of freely moving rats. *Eur J Pharmacol.* 2017 Nov 15;815:18-25.

Aquila I, et al. The Biological Effects of Kambo: Is There a Relationship Between its Administration and Sudden Death? *J Forensic Sci.* 2018 May;63(3):965-968.

Zádor F, et al. 14-O-Methylmorphine: A Novel Selective Mu-Opioid Receptor Agonist with High Efficacy and Affinity. *Eur J Pharmacol.* 2017 Nov 5;814:264-273.

Margolis EB, et al. Two delta opioid receptor subtypes are functional in single ventral tegmental area neurons, and can interact with the mu opioid receptor. *Neuropharmacology.* 2017 Sep 1;123:420-432.

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