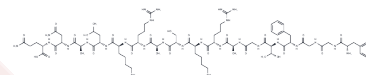


Nociceptin

Chemical Properties

CAS No. :	170713-75-4
Formula:	C79H129N27O22
Molecular Weight:	1809.04
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	Nociceptin (Orphanin FQ) is a 17-amino-acid polypeptide that is structurally related to the opioid peptide dynorphin A.
Targets(IC50)	Opioid Receptor

Solubility Information

Solubility	H2O: 50 mg/mL (27.64 mM),Sonication is recommended. DMSO: 122.5 mg/mL (67.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (1.11 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (5.53 mM),Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5528 mL	2.7639 mL	5.5278 mL
5 mM	0.1106 mL	0.5528 mL	1.1056 mL
10 mM	0.0553 mL	0.2764 mL	0.5528 mL
50 mM	0.0111 mL	0.0553 mL	0.1106 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

Bedini A, et al. Nociceptin/orphanin FQ antagonizes lipopolysaccharide-stimulated proliferation, migration and inflammatory signaling in human glioblastoma U87 cells. *Biochem Pharmacol.* 2017 Sep 15;140:89-104.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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