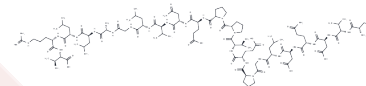


PEN(mouse)

Chemical Properties

CAS No. : 1236955-25-1
 Formula: C102H169N27O34
 Molecular Weight: 2317.62
 Storage: 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	Endogenous peptide GPR83 agonist. ProSAAS-derived neuropeptide. Activates phospholipase C (PLC)-mediated signaling cascade in mouse hypothalamus.
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Solubility Information

Solubility	PBS (pH 7.4): 1 mg/mL (0.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4315 mL	2.1574 mL	4.3148 mL
5 mM	0.0863 mL	0.4315 mL	0.863 mL
10 mM	0.0431 mL	0.2157 mL	0.4315 mL
50 mM	0.0086 mL	0.0431 mL	0.0863 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

- Gomes et al (2016) Identification of GPR83 as the receptor for the neuroendocrine peptide PEN. Sci.Signal. 9 ra43 PMID:
 Mack et al (2019) Neuropeptide PEN and its receptor GPR83: distribution, signaling, and regulation. ACS Chem. Neurosci. 10 1884 PMID:

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