

Neuropeptide S (human)

Chemical Properties

CAS No.:	412938-67-1
Formula:	C93H155N31O28S
Molecular Weight:	2187.5
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Potent endogenous neuropeptide S receptor agonist (EC50 = 9.4 nM). Increases locomotor activity and wakefulness in mice. Also reduces anxiety-like behavior in mice.
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Solubility Information

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

	1mg	5mg	10mg
1 mM	0.457 mL	2.286 mL	4.571 mL
5 mM	0.091 mL	0.457 mL	0.914 mL
10 mM	0.046 mL	0.229 mL	0.457 mL
50 mM	0.009 mL	0.046 mL	0.091 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Xu et al (2004) Neuropeptide S: a neuropeptide promoting arousal and anxiolytic-like effects. Neuron 43 487 PMID:

Inhibitors · Natural Compounds · Compound Libraries

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