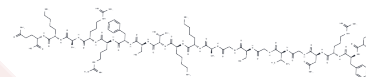


## Neuropeptide S(Mouse)

## Chemical Properties

CAS No. :	412938-74-0
Formula:	C93H156N34O27
Molecular Weight:	2182.47
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	Potent endogenous neuropeptide S receptor (NPSR) agonist (EC50 = 3 nM). Induces mobilization of intracellular Ca <sup>2+</sup> . Increases locomotor activity and wakefulness in mice. Also reduces anxiety-like behavior in mice.
Targets(IC50)	Neuropeptide Y Receptor

## Solubility Information

Solubility	H2O: 2 mg/mL (0.92 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	0.4582 mL	2.291 mL	4.582 mL
5 mM	0.0916 mL	0.4582 mL	0.9164 mL
10 mM	0.0458 mL	0.2291 mL	0.4582 mL
50 mM	0.0092 mL	0.0458 mL	0.0916 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

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

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