
Product Data Sheet

Product Name: Neuropeptide S (Mouse)

Cat. No.: GC50286

Chemical Properties

Cas. No. 412938-74-0

Formula $C_{93}H_{156}N_{34}O_{27}$

M.Wt 2182.47

Solubility H_2O : ≥ 100 mg/mL (45.82 mM)Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Potent endogenous neuropeptide S receptor (NPSR) agonist ($EC_{50} = 3$ nM). Induces mobilization of intracellular Ca^{2+} . Increases locomotor activity and wakefulness in mice. Also reduces anxiety-like behavior in mice.

Xu et al (2004) Neuropeptide S: a neuropeptide promoting arousal and anxiolytic-like effects. Neuron 43 487 PMID:15312648

Caution: Product has not been fully validated for medical applications. For research use only.

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