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**Product Data Sheet**

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Product Name: Neuropeptide S (human)

Cat. No.: GC50029

**Chemical Properties**

Cas. No. 412938-67-1

Formula  $C_{93}H_{155}N_{31}O_{28}S$ 

M.Wt 2187.5

Solubility Soluble in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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 agonist ( $EC_{50} = 9.4$  nM). 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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