

## Neuropeptide S(Mouse)

<b>Cat. No.:</b>	HY-P1437	
<b>CAS No.:</b>	412938-74-0	
<b>Molecular Formula:</b>	C <sub>93</sub> H <sub>156</sub> N <sub>34</sub> O <sub>27</sub>	
<b>Molecular Weight:</b>	2182.47	SFRNGVGSGAKKTSFRRAKQ
<b>Sequence Shortening:</b>	SFRNGVGSGAKKTSFRRAKQ	
<b>Target:</b>	Neuropeptide Y Receptor	
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling	
<b>Storage:</b>	Sealed storage, away from moisture	
	Powder    -80°C    2 years	
	-20°C    1 year	
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 100 mg/mL (45.82 mM)

\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		0.4582 mL	2.2910 mL	4.5820 mL
	5 mM		0.0916 mL	0.4582 mL	0.9164 mL
	10 mM		0.0458 mL	0.2291 mL	0.4582 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Neuropeptide S (Mouse) is a bioactive peptide. Neuropeptide S (Mouse), as a neurotransmitter/neuromodulator of 20 amino acids, can be used for the research of arousal, anxiety, locomotion, feeding behaviors, memory and agent addiction<sup>[1]</sup>.

### REFERENCES

[1]. Peng YL, et al. Effects of central neuropeptide S in the mouse formalin test. Peptides. 2010;31(10):1878-1883.

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

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