

Neuromedin U, rat TFA

Cat. No.:	HY-P1238A
Molecular Formula:	C ₁₂₆ H ₁₈₁ N ₃₄ F ₃ O ₃₃
Molecular Weight:	2756.99
Sequence:	Tyr-Lys-Val-Asn-Glu-Tyr-Gln-Gly-Pro-Val-Ala-Pro-Ser-Gly-Gly-Phe-Phe-Leu-Phe-Arg-Pr o-Arg-Asn-NH ₂ YKVNEGPVAPSGGFFLFRPRN-NH₂ (TFA salt)
Sequence Shortening:	YKVNEYQGPVAPSGGFFLFRPRN-NH ₂
Target:	Others
Pathway:	Others
Storage:	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 ₂ O : 100 mg/mL (36.27 mM); Need ultrasonic					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		0.3627 mL	1.8136 mL	3.6271 mL
		5 mM		0.0725 mL	0.3627 mL	0.7254 mL
10 mM		0.0363 mL	0.1814 mL	0.3627 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (36.27 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Neuromedin U, rat TFA is a 23-amino acid brain-gut peptide. Neuromedin U (NMU), through its cognate receptor NMUR2 in the central nervous system, regulates several important physiological functions, including energy balance, stress response, and nociception.
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REFERENCES

[1]. Liu JJ, et al. Discovery and pharmacological characterization of a small-molecule antagonist at neuromedin U receptor NMUR2. J Pharmacol Exp Ther. 2009 Jul;330(1):268-75.

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

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