

Neuropeptide Y(29-64)

Cat. No.:	HY-P1601
CAS No.:	303052-45-1
Molecular Formula:	C ₁₈₉ H ₂₈₄ N ₅₄ O ₅₈ S
Molecular Weight:	4272.7
Sequence:	Tyr-Pro-Ser-Lys-Pro-Asp-Asn-Pro-Gly-Glu-Asp-Ala-Pro-Ala-Glu-Asp-Met-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr YPSKPDNPGEDAPAEDMARYYSALRHYINLITRQRY
Sequence Shortening:	YPSKPDNPGEDAPAEDMARYYSALRHYINLITRQRY
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
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	DMSO : 16.67 mg/mL (3.90 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Mass Concentration</div>	1 mg	5 mg	10 mg
		1 mM	0.2340 mL	1.1702 mL	2.3404 mL
		5 mM	---	---	---
		10 mM	---	---	---
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.67 mg/mL (0.39 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.67 mg/mL (0.39 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.67 mg/mL (0.39 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Neuropeptide Y(29-64) is a 36 amino acid peptide, a fragment of Neuropeptide Y.
In Vitro	Neuropeptide Y(29-64) is a 36 amino acid peptide, a fragment of Neuropeptide Y ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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