

## Neuropeptide Y (3-36) (human, rat)

## Chemical Properties

CAS No. : 150138-78-6

Formula: C175H269N53O54S

Molecular Weight: 4011.5

SKPDNPGEDAPAEDMARYYSALRHYINLITRQRY-NH<sub>2</sub>

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Neuropeptide Y (3-36) (human, rat) is a metabolite of neuropeptide Y (NPY) generated by dipeptidyl peptidase-4 (DPP4) and is known as a selective Y2 receptor agonist, effectively reducing the release of norepinephrine via the Y2 receptor [1][2].
Targets(IC50)	Neuropeptide Y Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2493 mL	1.2464 mL	2.4928 mL
5 mM	0.0499 mL	0.2493 mL	0.4986 mL
10 mM	0.0249 mL	0.1246 mL	0.2493 mL
50 mM	0.005 mL	0.0249 mL	0.0499 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Hubers SA, et al. DPP (Dipeptidyl Peptidase)-4 Inhibition Potentiates the Vasoconstrictor Response to NPY (Neuropeptide Y) in Humans During Renin-Angiotensin-Aldosterone System Inhibition. Hypertension. 2018;72(3): 712-719.

Grandt D, et al. Neuropeptide Y 3-36 is an endogenous ligand selective for Y2 receptors. Regul Pept. 1996;67(1): 33-37.

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