

## Neuropeptide Y (29-64), amide, human acetate

## Chemical Properties

CAS No. :

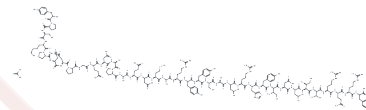
Formula: C191H289N55O59S

Molecular Weight: 4331.74

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 (29-64), amide, human acetate is involved in Alzheimer's disease (AD) and protects rat cortical neurons against $\beta$ -Amyloid toxicity.
Targets(IC50)	Neuropeptide Y Receptor
In vitro	It is showed that Neuropeptide Y (29-64), amide, human acetate is able to protect cortical neurons from $A\beta_{25-35}$ toxicity. 2 $\mu$ M NPY abolishes the toxic effects of $A\beta_{25-35}$ at 24 and 48 h. The same effect on neuronal survival is observed in neurons exposed to 1 $\mu$ M and 0.5 $\mu$ M Neuropeptide Y (29-64), amide, human acetate pretreatments. Pretreatment with Neuropeptide Y (29-64), amide, human acetate Increases NGF Synthesis, reduces NGF mRNA, and restores NGF release in cortical neurons exposed to $A\beta_{35-25}$ [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2309 mL	1.1543 mL	2.3085 mL
5 mM	0.0462 mL	0.2309 mL	0.4617 mL
10 mM	0.0231 mL	0.1154 mL	0.2309 mL
50 mM	0.0046 mL	0.0231 mL	0.0462 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.

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