

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

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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 (NPY) (3-36) is a C-terminal fragment of NPY, a neuropeptide involved in controlling appetite, blood pressure, cardiac contractility, and intestinal secretion. NPY (3-36) is an endogenous peptide produced by cleavage of NPY by dipeptidyl peptidase 4 (DPP-4). It binds selectively to the NPY receptor Y2 ( $K_i = 0.41$  nM in CHP 234 cells) over the Y1 receptor, where it does not bind at concentrations up to 1  $\mu$ M. NPY (3-36) (0.1 nM) increases migration of human umbilical vein endothelial cells (HUVECs) by 80% after 12 hours in an in vitro wound closure assay. NPY (3-36) corresponds to residues 3-36 of the human and rat protein sequence.

## Solubility Information

## Solubility

H2O: 1 mg/mL, Sonication is recommended.  
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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