

## [Leu31,Pro34]-Neuropeptide Y (porcine)

## Chemical Properties

CAS No. : 125580-28-1

Formula:

Molecular Weight:

YPSKPDNPGEDAPAEDLARYYSALRHYINLLTRPRY-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	[Leu31,Pro34]-Neuropeptide Y (porcine), is a selective and high affinity agonist of neuropeptide Y (NPY) Y1 receptor with anxiolytic effects.
Targets(IC50)	Neuropeptide Y Receptor
In vitro	In a series of human neuroblastoma cell lines and on rat PC-12 cells, [Leu31,Pro34]-Neuropeptide Y (porcine) displaced radiolabeled NPY from cells expressing Y1 receptors [1].

## Solubility Information

Solubility	0.25% acetic acid: 1 mg/mL, Sonication is recommended. H2O: 90 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

Kokare DM, et, al. Interaction between neuropeptide Y and alpha-melanocyte stimulating hormone in amygdala regulates anxiety in rats. Brain Res. 2005 May 10;1043(1-2):107-14.

Lv X, Gao F, Li T P, et al. Skeleton interoception regulates bone and fat metabolism through hypothalamic neuroendocrine NPY. Elife. 2021, 10: e70324.

Fuhlendorff J, et, al. [Leu31, Pro34]neuropeptide Y: a specific Y1 receptor agonist. Proc Natl Acad Sci U S A. 1990 Jan;87(1):182-6.

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