

## [Leu31,Pro34]-Neuropeptide Y(human,rat)

## Chemical Properties

CAS No. :	132699-73-1
Formula:	C189H284N54O56S
Molecular Weight:	4241
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

YPSKPDNPGEDAPAEDMARYSALRHYINLLTRPRY-NH<sub>2</sub>

## Biological Description

Description	High affinity neuropeptide Y Y1 receptor agonist (K <sub>i</sub> = 0.39 nM). Also shows affinity for Y4 and Y5 receptors.
Targets(IC50)	Neuropeptide Y Receptor

## Solubility Information

Solubility	H2O: 1 mg/mL (0.24 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2358 mL	1.179 mL	2.3579 mL
5 mM	0.0472 mL	0.2358 mL	0.4716 mL
10 mM	0.0236 mL	0.1179 mL	0.2358 mL
50 mM	0.0047 mL	0.0236 mL	0.0472 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

Bard et al (1995) Cloning and functional expression of a human Y4 subtype receptor for pancreatic polypeptide, neuropeptide Y, and peptide YY. J.Biol.Chem. 270 26762 PMID:

Fuhlendorff et al (1990) [Leu31, Pro34]Neuropeptide Y: a specific Y1 receptor agonist. Proc.Natl.Acad.Sci.U.S.A. 87 182 PMID:

Kask et al (1998) Evidence for involvement of neuropeptide Y receptors in the regulation of food intake: studies with Y1-selective antagonist BIBP3226. Br.J.Pharmacol. 124 1507 PMID:

Michel et al (1998) XVI.International Union of Pharmacology recommendations for the nomenclature of neuropeptide Y, peptide YY, and pancreatic polypeptide receptors. Pharmacol.Rev. 50 143 PMID:

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