

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

Chemical Properties

CAS No.:	132699-73-1
Formula:	C189H284N54O56S
Molecular Weight:	4241
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	High affinity neuropeptide Y Y1 receptor agonist (K _i = 0.39 nM). Also shows affinity for Y4 and Y5 receptors.
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Solubility Information

Solubility	water: 1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.236 mL	1.179 mL	2.358 mL
5 mM	0.047 mL	0.236 mL	0.472 mL
10 mM	0.024 mL	0.118 mL	0.236 mL
50 mM	0.005 mL	0.024 mL	0.047 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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:
2. Fuhlendorff et al (1990) [Leu31, Pro34]Neuropeptide Y: a specific Y1 receptor agonist. Proc.Natl.Acad.Sci.U.S.A. 87 182 PMID:
3. 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:
4. 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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