

Neuropeptide Y (13-36), amide, human

Chemical Properties

CAS No.:	122341-40-6
Formula:	C134H207N41O36S
Molecular Weight:	3000.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Neuropeptide Y (13-36), amide, human is a neuropeptide Y receptor agonist.
In vivo	Intraventricular injections of the Y2 neuropeptide Y receptor agonist porcine Neuropeptide Y (13-36) (25-3000 pM) produces a dose-dependent increase (up to 14%; ED50=0.3 nM for overall effects and 0.97 nM for the peak effects) in mean arterial blood pressure in the awake, unrestrained male rat without affecting heart rate. Central administration of porcine Neuropeptide Y (13-36) produces marked vasodepressor and bradycardic actions in the anesthetized α -chloralose and in the awake unrestrained male rat[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.333 mL	1.666 mL	3.333 mL
5 mM	0.067 mL	0.333 mL	0.667 mL
10 mM	0.033 mL	0.167 mL	0.333 mL
50 mM	0.007 mL	0.033 mL	0.067 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. Aguirre JA, et al. Centrally injected neuropeptide Y (13-36) produces vasopressor effects and antagonizes the vasodepressor action of neuropeptide Y (1-36) in the awake male rat. *Neurosci Lett*. 1990 Oct 2;118(1):5-8.

Inhibitors · Natural Compounds · Compound Libraries

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