

[cPP1-7,NPY19-23,Ala31,Aib32,Gln34] - hPancreatic Polypeptide

## Chemical Properties

CAS No.:	313988-89-5
Formula:	C183H281N57O54S2
Molecular Weight:	4207.67
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Potent, selective peptide agonist for the neuropeptide Y Y5 receptor (IC50 values for inhibition of NPY binding to human Y5, Y1, Y2 and Y4 receptors are 0.24, 530, > 500, and 51 nM respectively, Ki at Y5 = 0.1 - 0.15 nM). Stimulates food intake in vivo.
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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	0.238 mL	1.188 mL	2.377 mL
5 mM	0.048 mL	0.238 mL	0.475 mL
10 mM	0.024 mL	0.119 mL	0.238 mL
50 mM	0.005 mL	0.024 mL	0.048 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. Cabrele et al (2000) The first selective agonist for the neuropeptide YY5 receptor increases food intake in rats. J.Biol.Chem. 275 36043 PMID:
2. Dumont et al (2005) BODIPY®-conjugated neuropeptide Y ligands: new fluorescent tools to tag Y1, Y2, Y4 and Y5 receptor subtypes. Br.J.Pharmacol. 146 1069 PMID:

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