

## Pancreatic Polypeptide (human) acetate

## Chemical Properties

CAS No. :

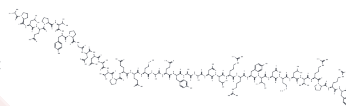
Formula: C187H291N53O56S2

Molecular Weight: 4241.76

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	Pancreatic Polypeptide (human) acetate is a C-terminally amidated 36 amino acid peptide, which acts as a neuropeptide Y (NPY) Y4/Y5 receptor agonist.
Targets(IC50)	Neuropeptide Y Receptor
In vitro	Human pancreatic polypeptide (hPP) is one such peptide, being released postprandially from F cells of the pancreatic islets depending on caloric load, food consumption and circadian rhythm. It is a C-terminally amidated 36 amino acid peptide with a characteristic hairpin-like pancreatic polypeptide (PP)-fold and acts at the Y4 receptor to induce satiety and delay gastric emptying and motility[1]. Addition of the human pancreatic polypeptide (hPP) (10 nM-1 µM) results in a significant, dose-dependent reduction in both basal and stimulated release. Human pancreatic polypeptide (hPP) can also inhibit basal and stimulated NPY release with a pharmacological profile suggesting a role for Y4 presynaptic receptors[2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2358 mL	1.1788 mL	2.3575 mL
5 mM	0.0472 mL	0.2358 mL	0.4715 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.

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