

DATASHEET

Version: 2016-08-18

Pancreatic Polypeptide, human**Cat. No.:** RP10398-0.5**Note:****Size:** 0.5 mg**Alias:** PP**Description:**

Pancreatic Polypeptide is an agonist at Y₄ neuropeptide Y receptors. Pancreatic polypeptide (PP) is a 36-amino-acid secretory peptide that is predominantly produced by the pancreas. The exact physiologic role of PP in healthy individuals has not been fully defined. It has been shown, however, that pancreatic polypeptide affects the secretion of pancreatic enzymes, water, and electrolytes. Its effect is biphasic in that PP initially enhances secretion and then inhibits secretion. PP increases gastric emptying and gut motility. Pancreatic polypeptide also relaxes the pyloric and ileoceocolic sphincters, the colon, and gallbladder. PP levels increase after ingestion of food and remain elevated from four to eight hours.

Cas No: 75976-10-2**C-Terminal:** NH₂**Sequence (one-letter code):**APLEPVYPGDNATPEQMAQYAADLRRYINMLTRPRY-NH₂**Sequence (three-letter code):**{ALA}{PRO}{LEU}{GLU}{PRO}{VAL}{TYR}{PRO}{GLY}{ASP}{ASN}{ALA}{THR}{PRO}{GLU}{GLN}{MET}{ALA}{GLN}{TYR}{ALA}{ALA}{ASP}{LEU}{ARG}{ARG}{TYR}{ILE}{ASN}{MET}{LEU}{THR}{ARG}{PRO}{ARG}{TYR}-NH₂

Solubility: The peptide is soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weigh out a smaller portion of the contents.

Formula: C₁₈₅H₂₈₇N₅₃O₅₄S₂**Molecular Weight:** 4,181.7**Purity:** > 95%**Storage:**

Keep container tightly closed. Store the peptide at -20°C.

*For Non-Clinical Research Use Only *

