



LKT Laboratories, Inc.

Pancreatic Polypeptide, rat

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Product Information

Product ID P0351
CAS No. 90419-12-8
Chemical Name

Synonym

Formula $C_{195}H_{298}N_{58}O_{57}S$
Formula Wt. 4398.9
Melting Point
Purity $\geq 98\%$
Solubility Soluble in water, acid.

Store Temp $-20^{\circ}C$
Ship Temp Ambient

Description Pancreatic polypeptide is an endogenous neuropeptide Y-family hormone that exhibits anorexigenic activity. Pancreatic polypeptide binds the Y4 receptor to decrease food intake, increase locomotor activity, and stimulate colonic muscle contractions and transit. Decreased secretion of pancreatic polypeptide is associated with improvements in pancreatic β -cell function in subjects with type 2 diabetes.

Ala-Pro-Leu-Glu-Pro-Met-Tyr-Pro-Gly-Asp-Tyr-Ala-Thr-His-Glu-Gln-Arg-Ala-Gln-Tyr-Glu-Thr-Gln-Leu-Arg-Arg-Tyr-Ile-Asn-Thr-Leu-Thr-Arg-Pro-Arg-Tyr-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P0351	0.5 mg	\$262.50
P0351	1 mg	\$441.00
P0351	2.5 mg	\$882.00

References Kahleova H, Mari A, Nofrate V, et al. Improvement in β -cell function after diet-induced weight loss is associated with decrease in pancreatic polypeptide in subjects with type 2 diabetes. J Diabetes Complications. 2012 Sep-Oct;26(5):442-9. PMID: 22673566.

Hankir MK, Parkinson JR, Minnion JS, et al. Peptide YY 3-36 and pancreatic polypeptide differentially regulate hypothalamic neuronal activity in mice in vivo as measured by manganese-enhanced magnetic resonance imaging. J Neuroendocrinol. 2011 Apr;23(4):371-80. PMID: 21251093.

Moriya R, Fujikawa T, Ito J, et al. Pancreatic polypeptide enhances colonic muscle contraction and fecal output through neuropeptide Y Y4 receptor in mice. Eur J Pharmacol. 2010 Feb 10;627(1-3):258-64. PMID: 19818748.

Liu YL, Semjonous NM, Murphy KG, et al. The effects of pancreatic polypeptide on locomotor activity and food intake in mice. Int J Obes (Lond). 2008 Nov;32(11):1712-5. PMID: 18779824.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.