



LKT Laboratories, Inc.

Pancreastatin, porcine

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Product Information

Product ID P0352

CAS No.

Chemical Name

Synonym PST

Formula $C_{214}H_{330}N_{68}O_{76}S$

Formula Wt. 5103.45

Melting Point

Purity $\geq 98\%$

Solubility Soluble in water.

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

Ship Temp Ambient

Description Pancreastatin is an endogenous peptide derived from chromogranin-A that regulates insulin action, inhibiting insulin secretion and increasing glucagon secretion. Pancreastatin binds and inhibits GRP78, decreasing insulin-stimulated glucose uptake and expression of G6Pase. This peptide displays pro-diabetic activity and induces glycogenolysis and lipolysis. Pancreastatin is also used as a biomarker to detect neuroendocrine tumors and shows some correlation with diabetes and hypertension.

Gly-Trp-Pro-Gln-Ala-Pro-Ala-Met-Asp-Gly-Ala-Gly-Lys-Thr-Gly-Ala-Glu-Glu-Ala-Gln-Pro-Pro-Glu-Gly-Lys-Gly-Ala-Arg-Glu-His-Ser-Arg-Gln-Glu-Glu-Glu-Glu-Glu-Thr-Ala-Gly-Ala-Pro-Gln-Gly-Leu-Phe-Arg-Gly-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P0352	0.5 mg	\$725.00
P0352	1 mg	\$1200.00
P0352	2.5 mg	\$2000.00

References Biswas N, Friese RS, Gayen JR, et al. Discovery of a novel target for the dysglycemic chromogranin A fragment pancreastatin: interaction with the chaperone GRP78 to influence metabolism. PLoS One. 2014 Jan 20;9(1):e84132. PMID: 24465394.

Rustagi S, Warner RR, Divino CM. Serum pancreastatin: the next predictive neuroendocrine tumor marker. J Surg Oncol. 2013 Aug;108(2):126-8. PMID: 23775817.

Sánchez-Margalet V, González-Yanes C, Najib S, et al. Metabolic effects and mechanism of action of the chromogranin A-derived peptide pancreastatin. Regul Pept. 2010 Apr 9;161(1-3):8-14. PMID: 20184923.

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