



LKT Laboratories, Inc.
Vasoactive Intestinal Peptide

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Product Information

Product ID V0273

CAS No. 40077-57-4

Chemical Name

Synonym

Formula C₁₄₇H₂₃₈N₄₄O₄₂S

Formula Wt. 3325.8

Melting Point

Purity ≥95%

Solubility Soluble in 1% acetic acid.

Store Temp -20° C

Ship Temp Ambient

Description Vasoactive intestinal peptide (VIP) is an endogenous peptide hormone that exhibits bronchodilatory, vasodilatory, and immunomodulatory activities. VIP increases levels of IL-10, Foxp3, and TGF-β in vivo and prevents LPS-induced expression of IL-6 and MCP-1 in vitro. VIP appears to play a significant role in respiratory inflammation.

His-Ser-Asp-Ala-Val-Phe-Thr-Asp-Asn-Tyr-Thr-Arg-Leu-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Asn-Ser-Ile-Leu-Asn-NH₂

Bulk quantities available upon request

Product ID	Size
V0273	0.5 mg
V0273	1 mg
V0273	2.5 mg

References Hauk V, Azzam S, Calo G, et al. Vasoactive intestinal Peptide induces an immunosuppressant microenvironment in the maternal-fetal interface of non-obese diabetic mice and improves early pregnancy outcome. *Am J Reprod Immunol.* 2014 Feb;71(2):120-30. PMID: 24405265.

Fracaroli L, Grasso E, Hauk V, et al. Contribution of Vasoactive Intestinal Peptide to Immune Homeostasis in Trophoblast-Maternal Leukocyte Interaction under LPS Stimulation. *Neuroimmunomodulation.* 2014;21(1):21-30. PMID: 24135863.

Mathioudakis A, Chatzimavridou-Grigoriadou V, Evangelopoulou E, et al. Vasoactive intestinal Peptide inhaled agonists: potential role in respiratory therapeutics. *Hippokratia.* 2013 Jan;17(1):12-6. PMID: 23935337.

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