



LKT Laboratories, Inc.

Vapreotide

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Product Information

Product ID V0160

CAS No. 103222-11-3

Chemical Name L-Tryptophanamide, D-phenylalanyl-L-cysteiny-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-cysteiny-, cyclic (2->7)-

Synonym Sanvar IR, BMY 41606, RC 160

Formula C₅₇H₇₀N₁₂O₉S₂

Formula Wt. 1131.4

Melting Point

Purity ≥95%

Solubility Soluble in water.

Store Temp -20° C

Ship Temp Ambient

Description Vapreotide is a synthetic peptide analog of somatostatin that activates somatostatin 2 receptors and inhibits neurokinin 1 receptors. Vapreotide exhibits anti-inflammatory, antiviral, orexigenic, antihypertensive, and anticancer chemotherapeutic activities. In macrophages, vapreotide inhibits substance P-induced production of IL-8 and MCP-1, preventing HIV-1 infection. In the clinical treatment of prostate cancer, vapreotide decreases PSA and PAP levels and bone pain scores. Additionally, this compound decreases portal pressure and blood flow, improving bleeding control and mortality rates in clinical subjects with variceal bleeding. Vapreotide also increases food intake in vivo.

D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-Trp-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V0160	0.5 mg	\$138.60
V0160	1 mg	\$236.30
V0160	2.5 mg	\$415.90

References Spitsin S, Tuluc F, Meshki J, et al. Analog of somatostatin vapreotide exhibits biological effects in vitro via interaction with neurokinin-1 receptor. *Neuroimmunomodulation*. 2013;20(5):247-55. PMID: 23921645.

Tachibana T, Cline MA, Khan MS, et al. Feeding responses to central administration of several somatostatin analogs in chicks. *Comp Biochem Physiol A Mol Integr Physiol*. 2011 Jan;158(1):47-51. PMID: 20826222.

Calès P. Vapreotide acetate for the treatment of esophageal variceal bleeding. *Expert Rev Gastroenterol Hepatol*. 2008 Apr;2(2):185-92. PMID: 19072353.

González-Barcelona D, Schally AV, Vadillo-Buenfil M, et al. Response of patients with advanced prostatic cancer to administration of somatostatin analog RC-160 (vapreotide) at the time of relapse. *Prostate*. 2003 Aug 1;56(3):183-91. PMID: 12772187.

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