



LKT Laboratories, Inc.
Big Endothelin-1 (1-38), human

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Product Information

Product ID B3324
CAS No. 124363-98-0
Chemical Name

Synonym

Formula $C_{189}H_{282}N_{48}O_{56}S_5$
Formula Wt. 4282.96

Melting Point

Purity $\geq 95\%$

Solubility Soluble in 0.1% TFA. Soluble
in 0.5% acetic acid.

Store Temp -20°C

Ship Temp Ambient

Description Big endothelin-1 is a cleavage precursor to endothelin-1; secretion of this peptide is stimulated by angiotensin II (AT II) and thrombin. Like endothelin-1, big endothelin-1 exhibits vasoconstrictive/hypertensive activity, increasing arteriolar constriction and decreasing blood flow.

H-Cys-Ser-Cys-Ser-Ser-Leu-Met-
Asp-Lys-Glu-Cys-Val-Tyr-Phe-
Cys-His-Leu-Asp-Ile-Ile-Trp-Val-
Asn-Thr-Pro-Glu-His-Val-Val-
Pro-Tyr-Gly-Leu-Gly-Ser-Pro-
Arg-Ser-OH
(Cys1-Cys15, Cys3-Cys11)

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B3324	0.5 mg	\$535.50
B3324	1 mg	\$911.40
B3324	2.5 mg	\$1606.50

References Lawrence E, Brain SD. Big endothelin-1 and big endothelin-3 are constrictor agents in the microvasculature: evidence for the local phosphoramidon-sensitive conversion of big endothelin-1. *Eur J Pharmacol.* 1993 Mar 23;233(2-3):243-50. PMID: 8467870.

Kohno M, Yasunari K, Yokokawa K, et al. Inhibition by atrial and brain natriuretic peptides of endothelin-1 secretion after stimulation with angiotensin II and thrombin of cultured human endothelial cells. *J Clin Invest.* 1991 Jun;87(6):1999-2004. PMID: 1645748.

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