



LKT Laboratories, Inc.

A-type Natriuretic Peptide (1-11), rat

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Product Information

Product ID A5460

CAS No.

Chemical Name

Synonym Atrial natriuretic peptide, ANP

Formula $C_{49}H_{84}N_{20}O_{15}S$

Formula Wt. 1225.40

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water.

H-Ser-Leu-Arg-Arg-Ser-Ser-Cys-
Phe-Gly-Gly-Arg-OH

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A5460	1 mg	\$100.80
A5460	2 mg	\$178.50
A5460	5 mg	\$304.50

Store Temp -20°C

Ship Temp Ambient

Description Atrial natriuretic peptide (ANP) is a cardiomodulatory peptide that binds the natriuretic peptide receptor type A (NPR-A), increasing levels of cGMP and activating cGMP-dependent kinases. ANP exhibits vasodilatory/hypotensive, diuretic, and natriuretic activities, increasing perfusion and decreasing blood pressure in several models. ANP may also exhibit anticancer benefit, targeting the Ras-MEK-ERK signaling pathway.

References Vesely DL. New anticancer agents: hormones made within the heart. *Anticancer Res.* 2012 Jul;32(7):2515-21. PMID: 22753708.

Woodard GE, Rosado JA. Natriuretic peptides in vascular physiology and pathology. *Int Rev Cell Mol Biol.* 2008;268:59-93. PMID: 18703404.

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