



LKT Laboratories, Inc.

A-type Natriuretic Peptide (1-28), rat

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Product Information

Product ID A7669

CAS No. 88898-17-3

Chemical Name

Synonym ANP, Atrial natriuretic peptide

Formula $C_{128}H_{205}N_{45}O_{39}S_2$

Formula Wt. 3062.47

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water (1 mg/mL).

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.

H-Ser-Leu-Arg-Arg-Ser-Ser-Cys-Phe-Gly-Gly-Arg-Ile-Asp-Arg-Ile-Gly-Ala-Gln-Ser-Gly-Leu-Gly-Cys-Asn-Ser-Phe-Arg-Tyr-OH
(Disulfide Bridge Cys7-Cys23)

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A7669	0.5 mg	\$302.30
A7669	1 mg	\$513.60
A7669	2.5 mg	\$907.20

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.