



LKT Laboratories, Inc.

A-type Natriuretic Peptide (1-30), frog

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Product Information

Product ID A5461

CAS No.

Chemical Name

Synonym Atrial natriuretic peptide, ANP

Formula $C_{131}H_{215}N_{49}O_{41}S_4$

Formula Wt. 3260.73

Melting Point

Purity ≥95%

Solubility Soluble in water, acid.

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-Ala-Pro-Arg-Ser-Met-Arg-Arg-Ser-Ser-Asp-Cys-Phe-Gly-Ser-Arg-Ile-Asp-Arg-Ile-Gly-Ala-Gln-Ser-Gly-Met-Gly-Cys-Gly-Arg-Phe-OH
(Disulfide Bridge Cys11-Cys27)

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A5461	0.5 mg	\$341.30
A5461	1 mg	\$579.60
A5461	2.5 mg	\$1020.60

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.