



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<sub>128</sub>H<sub>205</sub>N<sub>45</sub>O<sub>39</sub>S<sub>2</sub>

**Formula Wt.** 3062.47

**Melting Point**

**Purity** ≥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)

**Bulk quantities available upon request**

| Product ID | Size   |
|------------|--------|
| A7669      | 0.5 mg |
| A7669      | 1 mg   |
| A7669      | 2.5 mg |

**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.