

PEPTIDE

# Atrial Natriuretic Peptide (ANP)

Cardiac atrial hormone released on stretch; binds NPR-A to increase cGMP, promoting natriuresis and vasodilation. Carperitide (Hanp) approved in Japan.

BIOGATE · GREEN POSTERIOR 40.1% MW 3080.5 28AA

SEQUENCE

SLRRSSCFGGRMDRIGAQSGGLGCNSFRY

Modifications: disulfide C7-C23; 28-residue cardiac hormone

## PDA-V1 chain of custody

Outer hash

3-  
b61a9873a61a7f43d61acad3c61ab1a3761a33b3661a1a83961a661

Merkle root

0-  
eea88340fea89c710ea8b5a11ea8ced0aea81e80bea837b0cea850e0dea86a1

Inputs

c36ab707c26ab574c56aba2dc46ab89abf6ab0bbbe6aaf28c16ab3e

TEE attestation

c46ccfc6c56cd159c26cca0c36cce33c86cd612c96cd7a5c66cd2ecc76cd47f

## Living Outcome Oracle

$\pm \approx 1.5$

$\sigma^2 \approx 32.2$

**P(success) = 40.1%**

95% CI [28.1%, 52.1%]

## Seven-rule export gate

7 / 7 rules satisfied · audience: researcher · Full attestation set, raw posteriors, all hashes

- Grade A or B citation present on the core claim
- BioGate verdict is GREEN or AMBER (RED/BLACK refused)
- Jurisdiction permits the audience-appropriate use
- RWE summary attached when claim depends on outcome data
- Prediction-outcome pairs disclosed when posterior cited
- No human-use claim beyond cited indications
- COA registry lookup available for any synthesis claim

## Citations

GRADE A

2009 · Handb Exp Pharmacol

## **Natriuretic peptides: their structures, receptors, and physiological functions**

Potter LR et al.

PMID 19805646