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

SLRRSSCFGGRMDRIGAQSGLGCNSFRY

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

c46ccfc6c56cd159c26ccca0c36cce33c86cd612c96cd7a5c66cd2ecc76cd47f

Living Outcome Oracle

± =21.5 ² =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