PEPTIDE

Substance P

Undecapeptide tachykinin; primary NK1 receptor agonist driving nociception, vasodilation, and neurogenic inflammation. NK1 antagonists (aprepitant) approved for chemo-induced nausea.

BIOGATE · AMBER | POSTERIOR 71.3% | MW 1347.6 | 11AA

SEQUENCE

RPKPQQFFGLM

Modifications: amidated C-terminus; tachykinin family

PDA-V1 chain of custody

Outer hash

`c70250a9c6024f16c5024d83c4024bf0cb0256f5ca025562c90253c`

Merkle root

`2-fcf1d4e30cf1ee12dcf1a282ecf1bbb33cf239a34cf252d31cf207432cf2207`

Inputs

`49-af8e2948af8c9647af8b0346af89704daf94754caf92e24baf914f4`

TEE attestation

`c6f898c0c7f89a53c8f89be6c9f89d79caf89f0ccbf8a09fccf8a232cdf8a3c5`

Living Outcome Oracle

± =61.1 ² =24.6 **P(success) = 71.3%** 95% CI [59.3%, 83.3%]

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 — 1993 · Physiol Rev

Neurotransmitter functions of mammalian tachykinins

Otsuka M, Yoshioka K.

PMID 9335116