PEPTIDE

Cholecystokinin-8 (CCK-8, sulfated)

Sulfated octapeptide CCK fragment; activates CCK1 (gallbladder, pancreas, satiety) and CCK2 (gastric acid, anxiety) receptors.

BIOGATE · GREEN | POSTERIOR 60.9% | MW 1143.2 | 8AA

SEQUENCE

DYMGWMDF

Modifications: Tyr² sulfated; amidated C-terminus

PDA-V1 chain of custody

Outer hash

```
13-a87ee214a8807511a87bbc12a87d4f0fa8789610a87a290da875700
```

Merkle root

```
047-d2649037d24b6027d2323017d2190087d2c95077d2b02067d296f057d27dc
```

Inputs

```
4-ace08624bce09f548ce053c49ce06cf46ce021647ce03a944cd-fef045ce0083
```

TEE attestation

```
adcb5283accb50f0afcb55a9aecb5416b1cb58cfb0cb573cb3cb5bf5b2cb5a62
```

Living Outcome Oracle

± =76.2 ² =48.9 **P(success) = 60.9%** 95% CI [48.9%, 72.9%]

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 B — 1992 · Multiple Cholecystokinin Receptors in the CNS

The development and proof of the cholecystokinin satiety hypothesis

Smith GP, Gibbs J.

PMID 8475014