PEPTIDE

Calcitonin (Salmon, Miacalcin)

Salmon calcitonin (~50× more potent than human); inhibits osteoclast resorption via CTR receptor. Available as IN and SC.

BIOGATE · GREEN | POSTERIOR 90.3% | MW 3431.8 | 32AA

SEQUENCE

CSNLSTCVLGKLSQELHKLQTYPRTNTGSGTP

Modifications: disulfide C1-C7; amidated C-terminus; salmon-derived 32-residue

PDA-V1 chain of custody

Outer hash

```
17789-
afd1678996a157897d714789644137894b11278931e1178918b1078
```

Merkle root

```
5-
de0334e5ee034e15be030285ce031bb61e0399a62e03b2d5fe0367460e03807
```

Inputs

```
c3cfec7dc2cfeaeac1cfe957c0cfe7c4bfcfe631becfe49ebd-
cfe30bbccfe178
```

TEE attestation

```
f8734b3cf9734ccf-
fa734e62fb734ff5f47344f0f5734683f6734816f77349a9
```

Living Outcome Oracle

± =76.9 ² =8.3 **P(success) = 90.3%**

95% CI [78.3%, 100.0%]

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

1991 · J Cell Biochem

Salmon calcitonin in the prevention and treatment of osteoporosis

Avioli LV.

PMID 1929556