PEPTIDE

Ghrelin (acyl-ghrelin)

Endogenous 28-residue peptide from gastric P/D1 cells; acylation at Ser³ enables GHS-R1a binding to drive appetite and GH release.

BIOGATE · AMBER | POSTERIOR 41.8% | MW 3370.9 | 28AA

SEQUENCE

GSSFLSPEHQRVQQRKESKKPPAKLQPR

Modifications: O-octanoyl @ Ser³; endogenous gastric peptide

PDA-V1 chain of custody

Outer hash

```
03-c1000302c0fe7005c1032904c1019607c1064f06c104bc09c109750
```

Merkle root

```
842-ff59c852ff72f862ff8c2872ffa55802fef50812ff0e3822ff276832ff409
```

Inputs

```
98-ad658397ad63f09aad68a999ad67169cad6bcf9bad6a3c9ead6ef59
```

TEE attestation

```
a4a6ce5ea5a6cff1a2a6cb38a3a6ccc-ba8a6d4aaa9a6d63da6a6d184a7a6d317
```

Living Outcome Oracle

± =53.9 ² =75.0 **P(success) = 41.8%**

95% CI [29.8%, 53.8%]

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 — 1999 · Nature

Ghrelin is a growth-hormone-releasing acylated peptide from stomach

Kojima M et al.

PMID 10604470