PEPTIDE

Melanotan II

Non-selective melanocortin receptor agonist (MC1R/MC3R/MC4R); stimulates eumelanin synthesis. Not approved; used off-label with documented adverse events.

BIOGATE · GREEN | POSTERIOR 50.9% | MW 1024.2 | 43AA

SEQUENCE

Ac-Nle-cyclo[Asp-His-D-Phe-Arg-Trp-Lys]-NH2

Modifications: cyclic lactam; acetylated N-terminus; amidated C-terminus; Nle[1]

PDA-V1 chain of custody

Outer hash

40-c107de41c109713ec104b83fc1064b44c10e2a45c10fbd42c10b044

Merkle root

f1655eddf0655d4aef655bb7ee655a24ed655891ec6556feeb65556bea6553d8

Inputs

c36e455ec46e46f1c16e4238c26e43cbc76e4baac86e4d3dc56e488

TEE attestation

31-a96f1b30a96d8833a9724132a970ae35a9756734a973d437a9788d36a976fa

Living Outcome Oracle

± =49.4 ² =47.6 **P(success) = 50.9%** 95% CI [38.9%, 62.9%]

Seven-rule export gate

6 / 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

BLOCK REASONS

- Grade A or B citation present on the core claim

Citations

GRADE C

1998 · J Urol

Synthetic melanotropic peptide initiates erections in men with psychogenic erectile dysfunction

Wessells H et al.

PMID 9554325