

Semaglutide

Research peptide · 5 mg / vial

Specifications

CAS number	910463-68-2
Molecular formula	C187H291N45O59
Molecular weight	4113.58 g/mol
HPLC purity	>=99%
Physical form	Lyophilized powder
Vial size	5 mg / vial
Amino-acid sequence	His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(...)-Ala
Storage	Store lyophilized at -20 °C, protected from light. Stable 24 months from manufacture.

Every lot is independently verified

HPLC purity and mass-spec identity are published for every batch. Enter the lot number printed on your vial at pepbiotics.com/lab-results to read the exact certificate of analysis for your material.

Reconstitution & handling

For laboratory research use only. Reconstitute with bacteriostatic water or 0.9% sodium chloride under aseptic technique. Add diluent slowly against the vial wall and swirl - do not shake. Store the reconstituted solution at 2-8 °C and use within the study window. Not for injection into humans or animals.

Studied research applications

- Incretin signaling

Used to study GLP-1 / GIP receptor agonism and downstream insulinotropic and appetite-regulation pathways in model systems.

- Metabolic models

Investigated in preclinical metabolic research on glucose handling and energy balance.