PRODUCT SPECIFICATION

Semaglutide 30 mg

NN9535 — synthetic GLP-1 receptor agonist analogue with a fatty-diacid side chain, supplied as a lyophilized research compound.

CAS NUMBER	MOLECULAR WEIGHT	PURITY	PHYSICAL FORM
910463-68-2	4,113.58 g/mol	≥ 99% (HPLC-MS)	Lyophilized powder

1 PRODUCT IDENTIFICATION

Product Name	Semaglutide 30 mg
Product Code	PCR-SEMA-30
Compound Type	Synthetic GLP-1 receptor agonist — fatty-acid-conjugated peptide analogue
Synonyms / Other Names	Semaglutide; NN9535; NNC0113-0217
Amino Acid Count	31
Amino Acid Sequence	H-{Aib}-EGTFTSDVSSYLEGQAA-{Lys(AEEA-AEEA-γGlu-C18 diacid)}-EFIAWLVRGRG-OH
Vial Contents	30 mg lyophilized peptide, single vial
Research Category	Metabolic research peptide

2 CHEMICAL AND PHYSICAL PROPERTIES

CAS Number	910463-68-2
PubChem CID	56843331
Molecular Formula	$C_{187}H_{291}N_{45}O_{59}$
Molecular Weight	4,113.58 g/mol
Structural Notes	Modified GLP-1(7-37) backbone with aminoisobutyric acid at position 8 and arginine substituted at position 34; C18 octadecanedioic diacid conjugated at Lys26 through a γ-glutamate spacer and two AEEA units; C-terminal free acid
Appearance	White to off-white lyophilized powder
Physical State	Lyophilized solid
Purity	≥ 99% by HPLC-MS

RESEARCH USE ONLY — NOT FOR HUMAN OR VETERINARY USE. This document is not a Certificate of Analysis; batch-specific data is issued per lot.

3 SOLUBILITY AND RECONSTITUTION

Solubility	Soluble in bacteriostatic water
Recommended Diluent	Bacteriostatic water — supplied complimentary with every peptide order
Solution Handling	Prepare fresh, keep cold, and avoid repeated freeze-thaw cycles

Note: as a lipid-conjugated peptide, the reconstituted solution may appear slightly turbid. This is expected and is not an indication of degradation.

4 STORAGE AND STABILITY

Storage — Sealed Vial	Freeze at ≤ −20 °C, sealed, away from light and moisture
Shelf Life — Sealed	Approximately 24 months under recommended storage conditions
Storage — After Reconstitution	Refrigerate at 2–8 °C
In-Use Period	28–30 days after reconstitution
Conditions to Avoid	Heat, direct light, moisture, and repeated freeze-thaw cycles

5 QUALITY ASSURANCE AND DOCUMENTATION

Analytical Method	High-performance liquid chromatography with mass spectrometry (HPLC-MS)
Batch Testing	Independent third-party analysis for identity, purity, and contaminants
Certificate of Analysis	Issued per batch — available at peptidescostarica.net/lab-tests-coa-results/
Batch / Lot Number	Refer to the vial label and the accompanying Certificate of Analysis

6 INTENDED USE AND REGULATORY STATUS

Intended Use	Research Use Only (RUO) — laboratory, analytical, and scientific applications
Uses Advised Against	Not for human or veterinary use. Not a drug, food, cosmetic, dietary supplement, or household product. Not for diagnostic or therapeutic use.
Regulatory Status	The semaglutide molecule holds FDA approval as a finished pharmaceutical under Novo Nordisk's brands Ozempic, Wegovy, and Rybelsus. This product is none of those medicines: it is an unlicensed research compound and is not approved for the prevention, diagnosis, treatment, or cure of any disease.
Distribution	Supplied within Costa Rica

SUPPLIER
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Costa Rica

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US +1 (831) 471-5559

DOCUMENTATION
peptidescostarica.net
COA database:
/lab-tests-coa-results/

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