

Retatrutide Specification Sheet

Retatrutide (LY3437943 / LY-3437943) is an investigational triple receptor agonist studied for its activity at the glucose-dependent insulintropic polypeptide (GIP), glucagon-like peptide-1 (GLP-1), and glucagon receptors.

This Retatrutide Specification Sheet provides an overview of the standard product identity, research-grade specifications, physical form, storage conditions, and quality documentation for Retatrutide supplied by SUNONE.

Batch-specific identity, purity, analytical results, and other release data should always be verified using the applicable **Certificate of Analysis (COA)**.

Retatrutide Product Specifications

Specification	Information
Product Name	Retatrutide
Synonyms	LY3437943, LY-3437943
Catalog No.	SUN-P005
CAS Number	2381089-83-2
Product Category	Multi-Receptor Incretin Peptide
Grade	Research Grade
Purity	≥99.6% by HPLC
Form	Lyophilized Powder
Storage	Store at 2 - 8° C
Availability	Made-to-order / On request
Intended Use	Research and manufacturing use only

Chemical Identity

The current Retatrutide product information lists the following chemical identifiers:

CAS Number: 2381089-83-2

Molecular Formula: C221H342N46O68

Molecular Weight: 4731 g/mol

The exact chemical form, salt state, molecular formula, molecular weight, purity, and related analytical characteristics should be confirmed using the batch-specific Certificate of Analysis.

Public chemical databases may contain records corresponding to specific Retatrutide forms. The applicable COA should therefore be treated as the authoritative source for the material supplied.

Quality and Analytical Documentation

Retatrutide is supplied with quality documentation appropriate to the applicable product and batch.

Available documentation may include:

- Certificate of Analysis (COA)
- Safety Data Sheet (SDS)
- Product Specification Sheet
- HPLC analytical information
- Identity and batch-specific quality documentation

Actual analytical results are batch-specific and should be reviewed on the corresponding COA.

Packaging and Availability

Retatrutide is available in multiple lyophilized vial configurations for research and manufacturing requirements.

Packaging options, minimum order quantities, production availability, and lead times may change. Please refer to the **Retatrutide product page** for current packaging specifications and availability.

View Retatrutide Product:

<https://52ym.com/products/retatrutide/>

Storage and Handling

Store Retatrutide at **2–8°C** under the recommended storage conditions.

Before handling the material, review the applicable Safety Data Sheet and follow appropriate laboratory procedures, personal protective equipment requirements, and your facility's chemical hygiene practices.

Research Use Only

Retatrutide supplied by SUNONE is intended for **laboratory research and manufacturing use only**.

Not for human or veterinary consumption, diagnostic use, clinical use, or therapeutic applications.

Retatrutide is currently an investigational molecule. Regulatory status may change over time, and users should verify current regulatory information through the applicable regulatory authorities and official developer information.

Request Batch Documentation

For batch-specific Retatrutide specifications, analytical results, COA documentation, packaging requirements, or manufacturing inquiries, please contact our team.

Retatrutide Product Page:

<https://52ym.com/products/retatrutide/#quote>