

# SAFETY DATA SHEET (SDS)

Research Use Only (RUO)

Testing Laboratory:	Analizaodczynnikiow Laboratorium
Address:	Park Naukowo - Techniczny w Opolu, ul. Technologiczna 2, 45-839 Opole, Poland
Website:	analizaodczynnikiow.pl
SDS Date:	2026-02-05

## SECTION 1: IDENTIFICATION

Product Name:	Retatrutide
Synonyms:	GLP-1/GIP/Glucagon tri-agonist, LY3437943
CAS Number:	2381089-83-2
Molecular Weight:	3417.56 g/mol
Product Code:	B0147
Intended Use:	<b>Research Use Only (RUO)</b> - Not for human or veterinary diagnostic or therapeutic applications
Physical Form:	Finished, sterile, lyophilized solid supplied in sealed glass vials
Supplier:	ViraChem j.d.o.o. Pujanke 24A, 21000 Split, Croatia, European Union +385976656030

## SECTION 2: HAZARD IDENTIFICATION

**⚠ RESEARCH USE ONLY - NOT CLASSIFIED AS HAZARDOUS UNDER GHS**

GHS Classification:	Not classified
---------------------	----------------

<b>Signal Word:</b>	None
<b>Pictogram:</b>	None
<b>Hazard Statements:</b>	None
<b>Precautionary Statements:</b>	Handle using good laboratory practice. Avoid direct contact. Use appropriate personal protective equipment.

**Note:** This substance is supplied for research use only and has not been fully evaluated for hazards. The absence of hazard classification does not imply safety. Handle with standard laboratory precautions.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<b>Chemical Name:</b>	Retatrutide (TFA salt)
<b>Peptide Type:</b>	Proprietary peptide sequence (not disclosed for research use)
<b>CAS Number:</b>	2381089-83-2
<b>Concentration:</b>	≥98.0% (lyophilized powder)
<b>Impurities:</b>	Minor impurities: peptide-related substances, counterions. See Certificate of Analysis for details.

### SECTION 4: FIRST AID MEASURES

**Inhalation:**

Remove to fresh air. If symptoms persist, seek medical attention.

**Skin Contact:**

Wash with soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.

**Eye Contact:**

Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if present. Seek medical attention if irritation persists.

**Ingestion:**

Do NOT induce vomiting. Rinse mouth with water. Seek immediate medical attention.

**Most Important Symptoms:**

No data available.

**Medical Attention:**

Treat symptomatically. No specific antidote known.

### SECTION 5: FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Water spray, foam, dry chemical, CO <sub>2</sub>
<b>Unsuitable Extinguishing Media:</b>	None known
<b>Special Hazards:</b>	May release toxic gases if involved in fire (nitrogen oxides, carbon oxides)
<b>Protective Equipment:</b>	Wear self-contained breathing apparatus and protective clothing

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions:

Wear appropriate PPE (gloves, lab coat, eye protection). Ensure adequate ventilation. Avoid generating dust.

### Environmental Precautions:

Prevent release to environment. Do not allow to enter drains, sewers, or waterways.

### Cleanup Methods:

Carefully collect material and place in appropriate container for disposal. Clean contaminated area with water. Dispose according to local regulations.

## SECTION 7: HANDLING AND STORAGE

### Handling Precautions:

- Handle using good laboratory practice
- Avoid direct contact with skin and eyes
- Use in well-ventilated area
- Avoid generating aerosols or dust
- Wash hands thoroughly after handling
- Do not open, subdivide, or repackage outside controlled laboratory conditions

### Storage Conditions:

- Store at -20°C
- Keep container tightly closed
- Protect from light and moisture
- Store under inert atmosphere (nitrogen or argon)
- Avoid repeated freeze-thaw cycles
- Shelf life: Refer to Certificate of Analysis

### Incompatible Materials:

Strong oxidizing agents, strong acids, strong bases.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Limits:</b>	No occupational exposure limits established
<b>Engineering Controls:</b>	Use in well-ventilated area. Use fume hood when handling powder.

<b>Respiratory Protection:</b>	Not normally required. Use dust mask if handling large quantities.
<b>Hand Protection:</b>	Nitrile or latex gloves
<b>Eye Protection:</b>	Safety glasses or goggles
<b>Skin Protection:</b>	Laboratory coat
<b>Hygiene Measures:</b>	Wash hands after handling. Do not eat, drink, or smoke in work area.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White to off-white lyophilized powder
<b>Odor:</b>	Odorless
<b>pH (solution):</b>	4-7 (approximate, 1 mg/mL)
<b>Melting Point:</b>	Not determined (decomposes before melting)
<b>Boiling Point:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Solubility:</b>	Soluble in water, aqueous buffers, DMSO
<b>Molecular Weight:</b>	3417.56 g/mol
<b>Density:</b>	Not determined

## SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under recommended storage conditions
<b>Conditions to Avoid:</b>	Heat, moisture, light, repeated freeze-thaw cycles
<b>Incompatible Materials:</b>	Strong oxidizing agents, strong acids, strong bases
<b>Hazardous Decomposition:</b>	May release nitrogen oxides, carbon oxides under fire conditions
<b>Hazardous Polymerization:</b>	Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

**⚠ NO TOXICOLOGICAL DATA AVAILABLE**

**This product has not been tested for toxicity.** The product is supplied for research use only and has not been evaluated for effects on human health.

<b>Acute Toxicity:</b>	No data available
<b>Skin Corrosion/Irritation:</b>	No data available
<b>Eye Damage/Irritation:</b>	No data available
<b>Respiratory Sensitization:</b>	No data available
<b>Skin Sensitization:</b>	No data available
<b>Mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	No data available. Not listed by IARC, NTP, or OSHA.
<b>Reproductive Toxicity:</b>	No data available
<b>Target Organ Toxicity:</b>	No data available

## SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available
<b>Persistence/Degradability:</b>	No data available. Expected to biodegrade (peptide)
<b>Bioaccumulation:</b>	Not expected to bioaccumulate
<b>Mobility in Soil:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose according to local, state, and federal regulations. Incineration is recommended for small quantities. Do not release to environment.

**Contaminated Packaging:** Dispose as chemical waste. Rinse containers with water before disposal if regulations permit.

## SECTION 14: TRANSPORT INFORMATION

<b>UN Number:</b>	Not regulated
<b>UN Proper Shipping Name:</b>	Not regulated
<b>Transport Hazard Class:</b>	Not applicable

<b>Packing Group:</b>	Not applicable
<b>Environmental Hazards:</b>	Not classified
<b>Special Precautions:</b>	Protect from heat and moisture.

## SECTION 15: REGULATORY INFORMATION

<b>EU Classification:</b>	Not classified under CLP Regulation (EC) No 1272/2008
<b>REACH Registration:</b>	Not required (research chemical, small quantities)
<b>US Federal Regulations:</b>	Not listed under TSCA, CERCLA, SARA, or RCRA
<b>State Regulations:</b>	Not listed under California Prop 65
<b>Intended Use Restriction:</b>	<b>RESEARCH USE ONLY</b> - Not approved for human or veterinary use. Not manufactured under GMP. Not for diagnostic or therapeutic applications.

## SECTION 16: OTHER INFORMATION

### Abbreviations:

CAS = Chemical Abstracts Service | GHS = Globally Harmonized System | PPE = Personal Protective Equipment | RUO = Research Use Only | SDS = Safety Data Sheet | TSCA = Toxic Substances Control Act | REACH = Registration, Evaluation, Authorization of Chemicals

### Disclaimer:

The information contained herein is believed to be accurate but is provided for research purposes only. analizaodczynnikow Laboratorium and ViraChem j.d.o.o. make no warranty of any kind with respect to the subject matter and specifically disclaim all warranties. Users must verify the suitability of this information for their specific application. This SDS does not constitute medical advice.

### Prepared By:

Analizaodczynnikow Laboratorium, Quality Control Department

### Date of Preparation:

2026-02-05

### Version:

1.0

**RESEARCH USE ONLY - NOT FOR HUMAN OR VETERINARY USE**

This document was generated by ViraChem j.d.o.o. at the request of the purchaser

For technical inquiries: +385976656030 | [tech@virachemical.com](mailto:tech@virachemical.com)