

# Certificate of Analysis

## Reference Material & Standard

|                    |                              |                   |                                           |
|--------------------|------------------------------|-------------------|-------------------------------------------|
| Product Name:      | 23,D-Ile Retatrutide         | Catalogue Number: | C4X-339719                                |
| Synonyms:          | N/A                          | Lot Number:       | 1126-SA-7335                              |
| CAS Number:        | N/A                          | Expiry Date:      | Nov 25, 29                                |
| Molecular Formula: | $C_{221}H_{342}N_{46}O_{68}$ | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | N/A                          |                   |                                           |

## Chemical Structure:

H-Tyr-Alb-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-O<sup>2</sup>-B<sup>2</sup>-Leu-Leu-Asp-Tyr-Iys (Ac<sup>2</sup>-Y-Gln<sup>4</sup>BB<sup>2</sup>)-Ala-Gln-Alb-Ala-Phe-D-Ile-Gln-Tyr-Leu-Leu-Gln-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Phe-Pro-Ser-BB

| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 97.548%   |

**CATO**  
CATO Research Chemicals Inc.

## Signature:

Prepared by:

*Lisa*

Reviewed by:

*Yuki*

Approved by General Manager:

*David*

Date: Nov 26, 25

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Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>



## Directions:

- 1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
- 2. Minimum sample size: 1mg is recommended as the minimum sample size.*
- 3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
- 4. Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Nov 26, 25 | First release.      |

