

## CERTIFICATE OF ANALYSIS

Product Name: Retatrutide

CAS No.: 2381089-83-2

Mfg. Date: 2024-10-14

Report Date: 2024-10-20

Batch No.: uk-241014

Retest Date: 2026-10-13

Quantity: 1360g

| Items                     | Specifications                                                                  |               | Results      |
|---------------------------|---------------------------------------------------------------------------------|---------------|--------------|
| Appearance                | White or off-white powder                                                       |               | White powder |
| Solubility                | Can be dissolved to 5mg/ml in pure water                                        |               | Conforms     |
| Molecular Ion Mass        | 4731.42 ± 1                                                                     |               | Conforms     |
| pH                        | 7.0~9.0(C=5mg/ml)                                                               |               | 7.71         |
| Water Content (K.F)       | NMT 8.0%                                                                        |               | 4.14%        |
| Purity (HPLC)             | NLT 98.0%                                                                       |               | 99.58%       |
| Related substances (HPLC) | The largest individual impurity test NMT 1.0%                                   |               | 0.13%        |
|                           | The Total impurities test NMT 2.0%                                              |               | 0.42%        |
| Residual solvent(GC)      | Methylene chloride                                                              | NMT 600ppm    | N.D          |
|                           | Acetonitrile                                                                    | NMT 410ppm    | 178ppm       |
|                           | Methanol                                                                        | NMT 3000ppm   | N.D          |
|                           | NN-Dimethylformamide                                                            | NMT 880ppm    | N>D          |
|                           | Isopropyl ether                                                                 | NMT 5000ppm   | N.D          |
| Acid group ions (HIPLC)   | TFA                                                                             | NMT 0.1%      | N.D          |
|                           | PO <sub>4</sub> <sup>3-</sup>                                                   | NMT 0.1%      | N.D          |
|                           | Cl                                                                              | NMT 0.1%      | N.D          |
|                           | HAC                                                                             | NMT 0.1%      | N.D          |
| Bacterial Endotoxins      | NMT 10EU/mg                                                                     |               | Conforms     |
| Microbial Limits          | TAMC                                                                            | NMT 1000cfu/g | Conforms     |
|                           | TYMC                                                                            | NMT 100cfu/g  | Conforms     |
|                           | Escherichia Coil presence                                                       | Negative      | Conforms     |
|                           | Salmonella                                                                      | Negative      | Conforms     |
|                           | P.Acruginosa                                                                    | Negative      | Conforms     |
|                           | S.Aureus                                                                        | Negative      | Conforms     |
| Sodium ion                | NMT 5.0%                                                                        |               | 1.7%         |
| Content (Mass Balance)    | NLT 80.0%                                                                       |               | 93.8%        |
| Conclusion                | Conformed with the product standards.                                           |               |              |
| Storage Conditions        | Keep in tight container, protect from light, store at a temperature of -20±5°C. |               |              |

Tested by: Wang Xiaohang



Uk Compounding Ltd.  
Uk Company Number: 15878708  
Contact Email: admin@ukcompounding.net  
Company Address: 128 City Rd London EC1V 2NX, UK