



Sichuan Taihui Biotechnology Co., Ltd.

Certificate of Analysis

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|-------------------------------------|---|-------------------------|--------------|
| Product Name | MOTS-C | CAS No. | 1627580-64-6 |
| Molecular Formula | C101H152N28O22S2 | Molecular Weight | 2174.62 |
| Batch No. | XR23103001 | Date of Mfg | Dec 05,2023 |
| Reference Standard | Enterprise Standard | Retest Date | Dec 04,2025 |
| Storage | Place in an airtight container protected from light and keep the temperature between 2°C and 8°C. | | |
| TEST | SPECIFICATION | RESULT | |
| Appearance | White or almost white fluffy powder | Conform | |
| Solubility | Soluble in water | Conform | |
| Water Content (Karl Fischer) | ≤ 8.0% | 3.60% | |
| Acetic Acid | ≤ 15.0% | 9.39% | |
| Trifluoroacetic Acid | ≤ 0.5% | Not Detected | |
| Peptide Purity (By HPLC) | ≥ 98.0% | 99.57% | |
| Related Substance (By HPLC) | Total Impurities(%) ≤ 2.0% | 0.43% | |
| | Largest Single Impurity(%) ≤ 1.0% | 0.22% | |
| Bacterial Endotoxins | ≤ 10 EU/mg | Conform | |
| Assay | ≥ 85.0% | 90.02% | |
| Conclusion | This batch meets the internal standards of the enterprise and is qualified. | | |

Note: This product is for research or production use only. Not for direct human use.

Analyst: Pu mingyue

Approved by: Ding wenzhen

