

# Ipamorelin

Lyophilized research peptide | Available sizes: 2 mg, 5 mg, 10 mg | Document ID: FR-TDS-IPAMORELIN-001

## 01 PRODUCT IDENTIFICATION

|                               |                                                                                                                          |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| PRODUCT NAME                  | Ipamorelin                                                                                                               |
| PRODUCT CLASS                 | Synthetic pentapeptide                                                                                                   |
| CATEGORY                      | GH Axis                                                                                                                  |
| AVAILABLE SIZES               | 2 mg, 5 mg, 10 mg                                                                                                        |
| REFERENCE IDENTITY / SEQUENCE | Aib-His-D-2-Nal-D-Phe-Lys-NH2                                                                                            |
| CAS REGISTRY NO.              | 170851-70-4                                                                                                              |
| PUBCHEM CID                   | 9831659                                                                                                                  |
| MOLECULAR FORMULA             | C38H49N9O5                                                                                                               |
| MOLECULAR WEIGHT              | 711.9 g/mol                                                                                                              |
| PHYSICAL FORM                 | Lyophilized research peptide                                                                                             |
| INTENDED USE                  | Laboratory and in-vitro research only. Not for human or veterinary diagnostic, therapeutic, prophylactic or dietary use. |

## 02 ANALYTICAL AND QUALITY INFORMATION

|                  |                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| PURITY           | Lot-specific. Use the corresponding Fraction Research Certificate of Analysis; do not infer purity from this TDS.                 |
| PRIMARY IDENTITY | Identity should be lot-specific and supported by qualified supplier/manufacturer records and appropriate analytical confirmation. |
| HPLC             | Lot-specific HPLC-UV result; see the applicable COA.                                                                              |
| TRACEABILITY     | Associate each vial lot with its corresponding analytical record and COA.                                                         |

## 03 STORAGE AND HANDLING

- Store sealed and protected from moisture and unnecessary light exposure according to the qualified supplier/manufacturer specification.
- For lyophilized material, minimize repeated temperature cycling and prolonged exposure to ambient moisture.
- Do not infer shelf life, reconstitution conditions or solution stability from this TDS; use lot-specific validated data where applicable.
- Handle using standard laboratory chemical hygiene practices and appropriate personal protective equipment.

## 04 REFERENCE TECHNICAL DATA

|                                |                                                                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CHEMICAL FORM                  | The exact supplied salt, counterion, hydration state, excipients and/or formulation control. Reconcile to supplier documentation before production publication. |
| SOLUBILITY / SOLUTION BEHAVIOR | Not standardized in this TDS. Validate conditions for the actual lot and intended laboratory method.                                                            |
| LOT-SPECIFIC PRECEDENCE        | The lot-specific COA, supplier specification and SDS supersede generic reference information in this document.                                                  |

## 05 COMPLIANCE AND LIMITATIONS

- This document is a technical reference for a research material and is not a drug label, prescribing document, dosing guide or clinical-use instruction.
- Do not use this TDS as a substitute for the lot-specific COA, qualified supplier specification or Safety Data Sheet.
- Exact chemical form, counterion, excipients and formulation details must be reconciled to the actual supplied material before public/production publication.
- Regulatory status and lawful marketing depend on exact product identity, intended use, claims and jurisdiction; obtain appropriate compliance review before publication.

## 06 SOURCE BASIS

PubChem CID 9831659 (Ipamorelin), including reference condensed sequence, formula and molecular weight. Reference data accessed August 18, 2026. Production values must be reconciled to the actual supplier/manufacturer records and lot-specific Fraction Research documentation.

**RESEARCH USE ONLY.** This material is intended exclusively for laboratory and in-vitro research by qualified personnel. Not for human or veterinary use.

**DOCUMENT CONTROL** Revision 001 | Lot-specific analytical documentation controls where values differ.