

Certificate of Analysis

PRODUCT NAME: SS-31

Product Type: Mitochondria-Targeted Tetrapeptide
Molecular Formula: $C_{32}H_{49}N_9O_5$
Molecular weight (g/mol): 639.8
Cas Number: 736992-21-5
Batch No: 20251015-L004
Manufacture Date: 15/10/2025
Expiry Date: 14/10/2027

COMPOSITION SUMMARY

Active Ingredient:
SS-31 (Elamipretide, Synthetic Tetrapeptide:
D-Arg-Dmt-Lys-Phe-NH₂)

Excipient Classes:
Standard peptide-compatible
isotonic excipients

PRODUCT DESCRIPTION

SS-31 (Elamipretide, Synthetic Tetrapeptide: D-Arg-Dmt-Lys-Phe-NH₂)
A mitochondria-targeted tetrapeptide designed to bind cardiolipin,
stabilize mitochondrial inner-membrane structure,
and support electron-transport efficiency in research models.

TEST SAMPLE PHOTO**ANALYTICAL SPECIFICATIONS**

Items	Standards	Results
Appearance	White to off white Powder	<input checked="" type="checkbox"/> Pass
Identity by ESI-MS	Theoretical MW: 639.79	<input checked="" type="checkbox"/> Pass
Purity (HPLC)	>_98.0%	99.18%
Water (KF)	<_7.0%	0.39%
Conclusion	Conforms to standards	<input checked="" type="checkbox"/> Pass

CERTIFICATION

Quality Assurance Officer:

Signature: 

Date: 21/10/2025

**SAFETY & REGULATORY NOTES**

Research Use Only: Peptides are supplied strictly for laboratory research and are not approved for human or veterinary administration.

STORAGE & HANDLING

Store at 2–25°C, away from direct sunlight.
Do not freeze.
Use immediately after opening.
Keep in original packaging until use.