

Certificate of Analysis

PRODUCT NAME: 5-Amino 1-MQ

Product Type: Synthetic small-molecule NNMT inhibitor

Molecular Formula: $C_{10}H_{11}N_2I$

Molecular weight (g/mol): 286.11

Cas Number: 42464-96-0

Batch No: 20260116-Q5

Manufacture Date: 16/01/2026

Expiry Date: 16/01/2028

COMPOSITION SUMMARY

Active Ingredient:

5-Amino-1-methylquinolinium

Excipient Classes:

Standard peptide-compatible isotonic excipients

PRODUCT DESCRIPTION

5-Amino-1MQ is a synthetic small-molecule NNMT inhibitor. It belongs to the methylquinolinium class and is used exclusively in research settings focused on NAD^+ metabolism, energy regulation, and epigenetic methylation dynamics.

It is not a peptide and contains no amino-acid sequence.

TEST SAMPLE PHOTO



ANALYTICAL SPECIFICATIONS

Items	Standards	Results
Appearance	Orange /Reddish Powder	<input checked="" type="checkbox"/> Pass
Identity by ESI-MS >	Theoretical MW: 286.11	<input checked="" type="checkbox"/> Pass
Purity (HPLC)	>_98.0%	99.15%
Water (KF)	<_7.0%	0.36%
Conclusion	Conforms to standards	<input checked="" type="checkbox"/> Pass

CERTIFICATION

Quality Assurance Officer:

Signature: 

Date: 21/01/2026



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.