

5-Amino-1MQ

Small-molecule NNMT inhibitor, supplied as the quinolinium iodide salt

BATCH

IP-MQ-261002 This is the code printed on your vial.

APPLICABLE STRENGTHS

5 mg

99.73%

HPLC WITH UV DETECTION

Specification $\geq 99.0\%$

IDENTITY

Confirmed

Mass spectrometry

ENDOTOXIN

< 0.1 EU/mg

Kinetic chromogenic LAL

STERILITY

No growth

Membrane filtration

ANALYSED

4 October 2026

Batch made 2 October 2026

Full analytical results

TESTS AND SPECIFICATIONS

Appearance

Visual inspection

SPECIFICATION White to off-white crystalline powder

RESULT **Conforms**

STATUS **PASS**

Purity

HPLC with UV detection

SPECIFICATION $\geq 99.0\%$

RESULT **99.73%**

STATUS **PASS**

Identity

ESI-MS

SPECIFICATION $[M]^+ = 159.21 \pm 0.50$

RESULT **159.30**

STATUS **PASS**

Identity

¹H NMR

SPECIFICATION Conforms to reference spectrum

RESULT **Conforms**

STATUS **PASS**

Related substances

HPLC, any single impurity

SPECIFICATION $\leq 0.5\%$

RESULT **0.17%**

STATUS **PASS**

Water content

Karl Fischer titration

SPECIFICATION $\leq 2.0\%$

RESULT **0.88%**

STATUS **PASS**

Residue on ignition

USP <281>

SPECIFICATION $\leq 0.1\%$

RESULT **0.033%**

STATUS **PASS**

Heavy metals

ICP-MS

SPECIFICATION ≤ 10 ppm

RESULT < 5 ppm

STATUS PASS

Bacterial endotoxins

Kinetic chromogenic LAL

SPECIFICATION < 1.0 EU/mg

RESULT < 0.1 EU/mg

STATUS PASS

Sterility

Membrane filtration (USP <71>)

SPECIFICATION No growth

RESULT No growth

STATUS PASS

Residual solvents

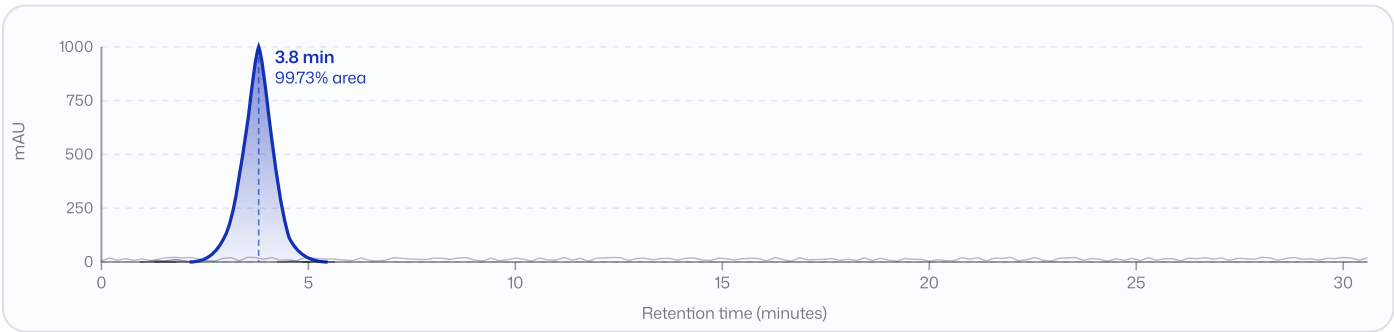
Headspace GC-FID (USP <467>)

SPECIFICATION Acetonitrile ≤ 410 ppm, methanol ≤ 3000 ppm, dichloromethane ≤ 600 ppm (ICH Q3C)

RESULT Conforms

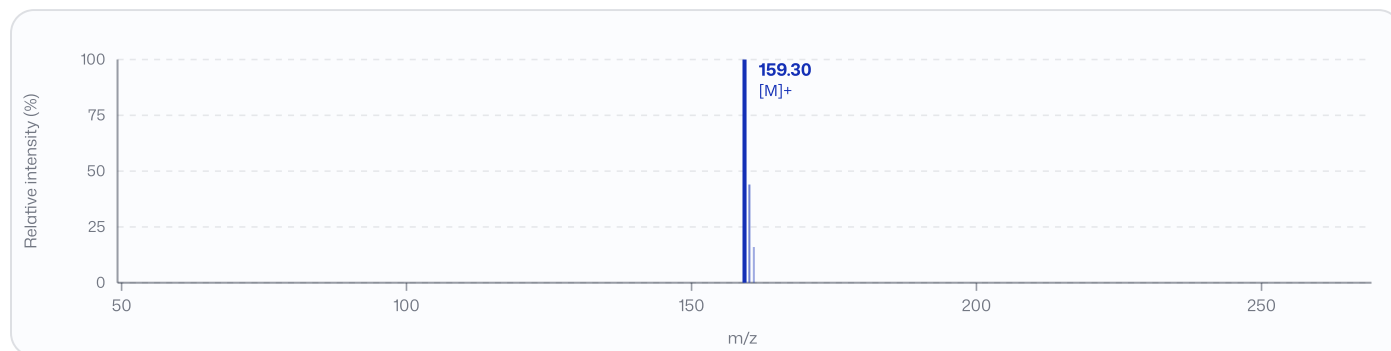
STATUS PASS

CHROMATOGRAM



HPLC trace for this batch. One dominant peak at 3.8 minutes, 99.73% of the total peak area, largest single impurity 0.17%.

MASS SPECTRUM



Electrospray ionisation. Expected 159.21, observed 159.30, a difference of 0.09 m/z at charge state 1. Already a cation, it is seen as [M]⁺ at its own mass, with no proton added.

REFERENCE DATA

CAS NUMBER

42464-96-0

MOLECULAR FORMULA

C₁₀H₁₁IN₂

MOLECULAR WEIGHT

286.12 g/mol

MODIFICATIONS

The iodide salt, which is the form that can be isolated as a solid. Being already a cation it is seen in the mass spectrometer as [M]⁺ at 159.21, the quinolinium ion itself, with no proton added. CAS 685079-15-6 covers that cation.

Public reference values for the compound, not measurements on this batch. The batch measurements are in the table above.

STORAGE AND HANDLING

UNOPENED

2 to 8 °C, away from light and moisture

LONG TERM

−20 °C, for the stated shelf life

RECONSTITUTED

2 to 8 °C, use within 4 weeks

IN TRANSIT

Stable at ambient temperature for up to 30 days

RECONSTITUTE WITH

Bacteriostatic water

THE VIAL THIS COVERS



The label on your vial carries the same batch code as this certificate, [IP-MQ-261002](#), and the QR goes to the results for it. If the code on the vial is not this one, the certificate for it is on this page under earlier batches.

Sticker shown at its printed size, 40 by 20 mm.
Cap colour may vary by batch.

RELEASE

BATCH DATE

2 October 2026

ANALYSIS DATE

4 October 2026

ISSUE DATE

5 October 2026

BEST BEFORE

October 2028

RELEASED BY

Quality review, Indigo Peptides

DOCUMENT

Valid only in its original, unmodified form

Results are taken from the batch testing documentation for this exact batch, supplied with the finished vials and held on file by us. Every value above is for the batch named on this certificate and for no other.

HOLDING AN OLDER VIAL?

IP-MQ-260910

PURITY

99.61%

ANALYSED

12 September 2026

If the code on your vial is one of these, it is an earlier batch of ours and these are its results. A result we have published is never removed and never recalculated.