

CERTIFICATE OF ANALYSIS

5-Amino-1MQ

NNMT Inhibitor · 10mg Lyophilised

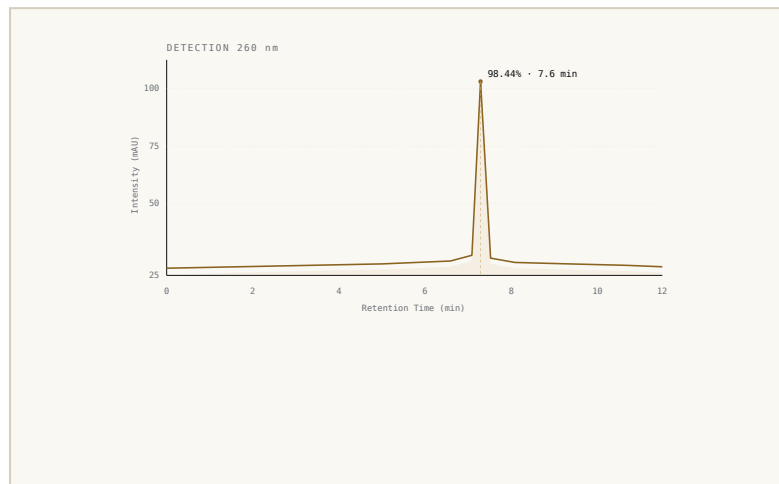
01 PRODUCT INFORMATION

PRODUCT	5-Amino-1MQ	CAS NUMBER	21863-26-3
CHEMICAL NAME	5-Amino-1-methylquinolinium iodide	MOL. FORMULA	C ₇ H ₁₀ N ₂
QUANTITY	10mg per vial	MOL. WEIGHT	122.17 g/mol
BATCH / LOT	AMQ250506	APPEARANCE	Off-white to pale yellow powder
MFG. DATE	06 May 2026	RETEST DATE	06 May 2028
STORAGE	2–8°C, dark, dry	INTENDED USE	Research Use Only

02 ANALYTICAL RESULTS

TEST ITEM	SPECIFICATION	RESULT	METHOD
Appearance	Off-white to pale yellow powder	✓ COMPLIES	Visual
Identification	Positive	✓ COMPLIES	HPLC / MS
Structural Confirmation	Matches reference standard	✓ COMPLIES	Mass Spec.
Purity	≥ 99.0%	98.44%	HPLC
Assay (Active Content)	≥ 98.0%	99.1%	HPLC
Water Content	≤ 8.0%	2.4%	Karl Fischer
Bacterial Endotoxins	≤ 10 EU/mg	< 2 EU/mg	LAL Test
Residual Solvents	Meets USP / EP requirements	✓ COMPLIES	GC
Heavy Metals	≤ 10 ppm	< 1 ppm	ICP-MS
Sterility	Sterile	✓ COMPLIES	USP <71>
pH (Reconstituted)	4.0 – 7.0	5.9	pH Meter

03 HPLC CHROMATOGRAM SUMMARY



MAIN PEAK RT	7.6 min
PEAK AREA	98.44%
TOTAL IMPURITIES	1.56%
DETECTION	UV 260 nm
COLUMN	C18 reversed-phase

04 MASS SPECTROMETRY SUMMARY

ANALYSIS MODE	ESI-MS, positive ion mode
COMPONENT IDENTIFICATION	Single component, 122.17 Da observed
REFERENCE STANDARD	Matches 5-Amino-1MQ reference standard
RESULT	✓ IDENTITY CONFIRMED

05 QUALITY ASSURANCE & AUTHORISATION

"This batch has been manufactured and tested in accordance with internal quality control procedures and complies with all specifications listed in this Certificate of Analysis."

RELEASED

QC APPROVED

APPROVED BY

Sarah Bennett

QUALITY ASSURANCE MANAGER

SIGNATURE

S. Bennett

AUTHORISED DIGITALLY

DATE OF ISSUE

06 May 2026

ISSUED DIGITALLY

06 LABORATORY INFORMATION

ANALYTICAL TESTING BY

Hongbai Technology Co.

Independent third-party laboratory · HPLC · MS · ICP-MS · LAL

ISO/IEC

17025

ACCREDITED

ISSUED BY

Nexapep Ltd

DOCUMENT TYPE

Independent Third-Party CoA

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TEST REPORT NO.

HB-AMQ250506

WEBSITE

nexapep.co.uk

SAMPLE REFERENCE

AMQ250506



DOCUMENT VERIFICATION REFERENCE

NX-AMQ250506-6253-A348

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