

Certificate of Analysis

Product	5-Amino-1MQ	CAS No.:	42464-96-0
Product No.:	5AM	Molecular Formula	C ₁₀ H ₁₁ IN ₂
Chemical Name	5-Amino-1-methylquinolin-1-ium iodide <i>Small-molecule NNMT inhibitor (quinolinium iodide salt); not a peptide</i>		
Molecular Weight	286.11	Quantity	50.0g
Batch No.	5AM-2908H	Storage Temp.	-20±5°C
Mfg. Date	Sep.18 th , 2025	Retest Date	Sep.18 th , 2027

【ITEMS】		【SPECIFICATIONS】	【RESULTS】
Appearance		Yellow to brown crystalline powder	Yellow to brown crystalline powder
Solubility		Soluble in water and DMSO	Conforms
Solution clarity and color		Clear solution	Conforms
Identification	HPLC	The retention time of the principal peak corresponds to that of the reference standard.	Conforms
	Mass spectrum	159.1±0.5 (cation [M] ⁺)	159.2
	IR	Consistent with the reference structure.	Conforms
Related substances (HPLC)		Largest single impurity: NMT 0.5%	0.09%
		Total impurities: NMT 1.0%	0.40%
Assay (HPLC)		NLT 98.0% (on anhydrous basis)	99.5%
Residual solvent		Ethanol NMT 5000ppm	363ppm
		Methanol NMT 3000ppm	N.D
Water content (KF)		NMT 2.0%	0.9%
Heavy metals		NMT 10ppm	Conforms
Residue on ignition (sulfated ash)		NMT 0.1%	0.07%
Bacterial endotoxins		NMT 5 EU/mg	1.7EU/mg
Microbial Limits		Total aerobic bacteria ≤100cfu/g	Conforms
		Mould & Yeast ≤10cfu/g	Conforms
		Escherichia coli: absence in 1g	absent
Storage		Keep in tight container, protect from light, store at a temperature of -20±5°C.	
Report		QC01 QC02	Date: Jun. 7th, 2026
Reviewer			Date: Jun 7th 2026
Conclusion: This batch of product complies with Enterprise Standard.			

合格

It is only supplied as chemical product.
It is only for R&D use.