

5-Amino-1MQ

5-amino-1-methylquinolinium iodide | CAS 42464-96-0

Product identification

Product name	5-Amino-1MQ
Chemical name	5-amino-1-methylquinolinium iodide
CAS number	42464-96-0
PubChem CID	66522933
Molecular formula	C ₁₀ H ₁₁ N ₂
Molecular weight	286.11 g/mol
InChIKey	JPEZFBFIRRAFNR-UHFFFAOYSA-N
Canonical SMILES	<chem>C[N+]1=CC=CC2=C(C=CC=C21)N.[I-]</chem>
Material type	Chemical reference material / technical compound

Material description

5-Amino-1MQ is a quaternary quinolinium iodide salt supplied by Rexar as a chemical reference material / technical compound. The identity fields in this document describe the named chemical form and are intended to support laboratory identification, documentation and analytical comparison.

Intended use

For laboratory, analytical, chemical and method-development applications, including identity comparison, chromatographic and spectroscopic workflows. Not for human or animal consumption. Not intended for food, supplement, cosmetic, medical, diagnostic or therapeutic use.

Reference characteristics

Structural class	Quaternary quinolinium iodide salt
Typical physical form	Powder / solid; colour may vary by supplier and batch
Storage guidance	Keep tightly closed, dry and protected from light. Supplier storage recommendations vary; follow the applicable lot documentation.
Reference database	PubChem CID 66522933

Analytical use and traceability

Suitable as a reference material for qualitative identity work and comparative analytical workflows. Analytical acceptance criteria, purity, water content, residual solvents and other lot-specific specifications must be taken from the applicable supplier documentation or certificate of analysis; they are not inferred by this datasheet.

Safety note

Public supplier SDS documentation classifies the iodide salt as Acute Tox. 4 (oral), Skin Irrit. 2, Eye Irrit. 2 and STOT SE 3. Use suitable laboratory PPE, minimise dust generation and consult the applicable Safety Data Sheet before handling.

Identity verification note

Identity verified against PubChem CID 66522933 and FDA GSRS. This corrects the old Rexar datasheet, which mixed the iodide CAS number with an incorrect formula, molecular weight and PubChem CID.

Document control

Document	Rexar Technical Compound Datasheet
Revision	10 September 2026
Status	Reference information; not a certificate of analysis

Disclaimer

This document is provided for chemical identification and laboratory reference purposes. It does not certify batch purity or replace lot-specific analytical documentation. Users are responsible for confirming suitability, regulatory status and safe handling for their intended laboratory application.