



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

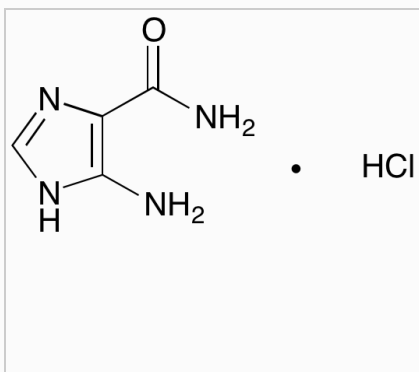
Catalogue Number: A611691

CAS Number: 72-40-2

Product: 5-Aminoimidazole-4-carboxamide Hydrochloride

Synonym: 5-Amino-1H-Imidazole-4-carboxamide Monohydrochloride; 5-Amino-imidazole-4-carboxamide Monohydrochloride; 4-Amino-5-carbamoylimidazole Hydrochloride; 4-Aminoimidazole-5-carboxamide Hydrochloride; 5-Amino-1H-imidazole-4-carboxamide Hydrochloride; 5-Aminoimidazole-4-carboxamide Hydrochloride; USP Dacarbazine Related Compound A; Dacarbazine USP Related Compound A

Structure:



Molecular Formula:

C₄H₇ClN₄O

Molecular weight:

162.58

Source of Product:

N/A

Solubility:

DMSO (Sparingly), Methanol (Slightly), Water (Slightly)

Lot Number: 12-QIU-78-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Grey to Light Grey Solid	Light Grey Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 29.61, %H: 4.24, %N: 34.16
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	22.0%
HPLC Purity	Report Result	100.00% (265 nm)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	10/4/2021	10/2/2025
				