



CERTIFICATE OF ANALYSIS

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1. Identification

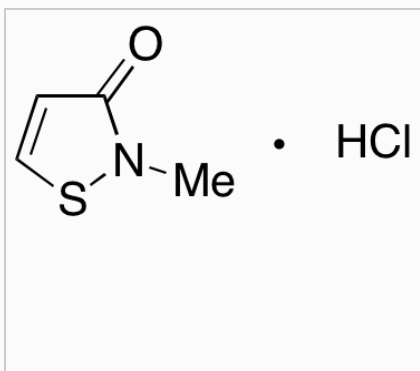
Catalogue Number: M314985

CAS Number: 26172-54-3

Product: 2-Methyl-4-isothiazolin-3-one Hydrochloride

Synonym: 2-Methyl-2H-isothiazol-3-one; 2-Methyl-3(2H)-isothiazolone Hydrochloride; 2-Methyl-3-isothiazolone Hydrochloride; 2-Methyl-4-isothiazolin-3-one Hydrochloride; 2-Methyl-4-isothiazoline-3-ketone Hydrochloride; 2-Methyl-4-isothiazoline-3-one Hydrochloride; KB 838 Hydrochloride; Kathon CG 243 Hydrochloride; Kordek 50 Hydrochloride; Kordek 50C Hydrochloride; Kordek 573F Hydrochloride; Kordek MLX Hydrochloride; MIT Hydrochloride; MIT (biocide) Hydrochloride; Methylisothiazolinone Hydrochloride; Microc

Structure:



Molecular Formula:

C₄H₆ClNOS

Molecular weight:

151.61

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 711623418-1-1

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:
Elemental Analysis	Conforms	%C: 29.27, %H: 4.41, %N: 9.04
Appearance	White to Off-White Solid	White to Off-White Solid
HPLC Purity	Report Result	99.89% (275 nm)
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	21.3%
Water Content	Report Result	~7.6% based on Elemental Analysis

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
Swathi Reddy	Toni Rantanen	Chanell Chu	7/7/2022	7/5/2026
				