



CERTIFICATE OF ANALYSIS

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1. Identification

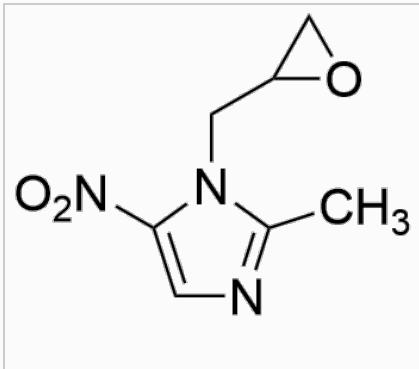
Catalogue Number: M320145

CAS Number: 16773-52-7

Product: 2-Methyl-5-nitro-1-(2-oxiranylmethyl)-1H-imidazole

Synonym: 1-(2,3-Epoxypropyl)-2-methyl-5-nitroimidazole; 1-(2,3-Epoxypropyl)-2-methyl-5-nitroimidazole

Structure:



Molecular Formula:

C₇H₉N₃O₃

Molecular weight:

183.16

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly, Heated)

Lot Number: 10-NBP-163-3

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	Off-White to Light Yellow Solid	Off-White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 45.91. %H: 4.93, %N: 22.92
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	100.00% (315 nm)
Specific Rotation	Report Result	+0.4° (c = 0.2, Chloroform)

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 ± 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	12/7/2021	12/5/2025
Evan Burns				