



# CERTIFICATE OF ANALYSIS

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## 1. Identification

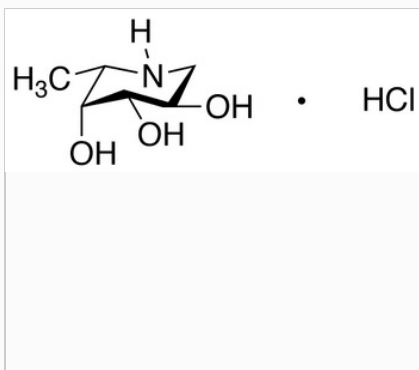
**Catalogue Number:** D236000

**CAS Number:** 210174-73-5

**Product:** Deoxyfuconojirimycin, Hydrochloride

**Synonym:** (2S,3R,4S,5R)-2-Methyl-3,4,5-piperidinetriol; 1,5-Dideoxy-1,5-imino-L-fucitol;

**Structure:**



**Molecular Formula:**

$C_6H_{13}NO_3 \cdot HCl$

**Molecular weight:**

147.17 + 36.46

**Source of Product:**

Synthetic

**Solubility:**

Methanol (Slightly, Sonicated),  
Water (Slightly)

**Lot Number:** 3-YMK-155-1

**Purity:** 98%

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

**Storage Condition:** 4°C, Inert atmosphere

## 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

## 3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 38.51, %H: 7.93, %N: 7.49
Appearance	Pale Beige to Beige Solid	Light Beige to Beige Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	100.00% (ELSD)
Specific Rotation	Report Result	-37.3° (c = 0.5, Water)

**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
Henry Tieu	Toni Rantanen	Chanell Chu	12/1/2021	11/29/2028