



CERTIFICATE OF ANALYSIS

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1. Identification

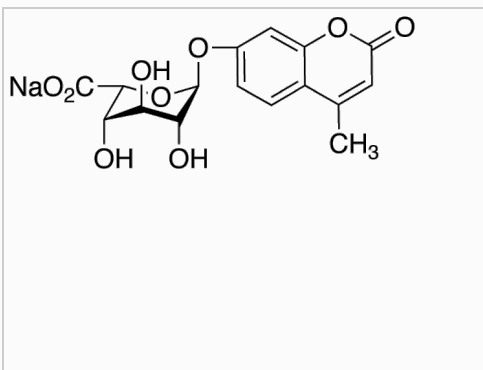
Catalogue Number: M334701

CAS Number: 89157-94-8

Product: 4-Methylumbelliferyl α -L-Idopyranosiduronic Acid, Sodium Salt

Synonym: 4-Methylumbelliferyl α -L-Iduronic Acid, Sodium Salt

Structure:



Molecular Formula:

$C_{16}H_{15}NaO_9$

Molecular weight:

374.27

Source of Product:

Synthetic

Solubility:

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

Lot Number: 9-URV-136-1

Purity: 96%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	96.38% (320 nm)
Sodium Content	Report Result	5.83% by Ion Chromatography
Elemental Analysis	Conforms	%C: 48.56, %H: 4.36
Specific Rotation	Report Result	-84.0° (c = 0.2, Water)
Water Content	Report Result	~5.5% 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
Henry Tieu	Toni Rantanen	Chanell Chu	4/1/2022	3/30/2026