



CERTIFICATE OF ANALYSIS

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1. Identification

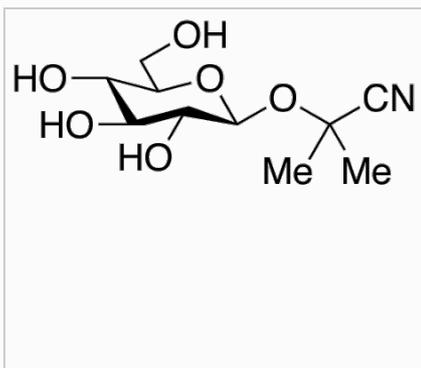
Catalogue Number: L466000

CAS Number: 554-35-8

Product: Linamarin

Synonym: 2-(β -D-Glucopyranosyloxy)-2-methylpropanenitrile; α -Hydroxyisobutyronitrile β -D-Glucose; Phaseolunatin

Structure:



Molecular Formula:

C₁₀H₁₇NO₆

Molecular weight:

247.25

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly, Sonicated)

Lot Number: 6-EQJ-144-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1: Acid Sensitive

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Specific Rotation	Report Result	-27.1° (c = 0.3, Water)
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	99.62% (ELSD)

Additional Information:

TLC Conditions: SiO₂; Ethyl Acetate : Methanol = 9 : 1; Visualized with AMCS and KMnO₄; Single Spot, R_f = 0.45.

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
Eric Beaton	Toni Rantanen	My Nguyen	1/23/2020	1/21/2030