



CERTIFICATE OF ANALYSIS

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1. Identification

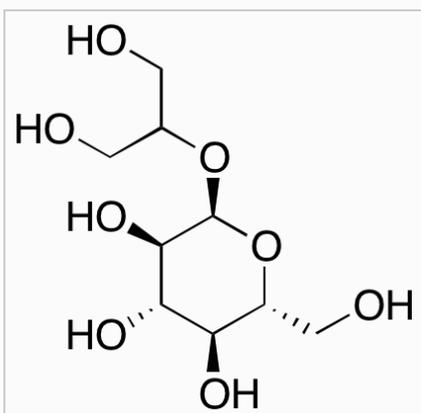
Catalogue Number: H943140

CAS Number: 22160-26-5

Product: 2-O- α -D-Glucosylglycerol

Synonym: α -D-2-Hydroxy-1-(hydroxymethyl)ethylglucopyranoside; 2-O- α -D-Glucopyranosylglycerol; 2-O- α -D-Glucosylglycerol; Glucosylglycerol; Glycoin

Structure:



Molecular Formula:

C₉H₁₈O₈

Molecular weight:

254.23

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 4-JEP-69-2

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Specific Rotation	Report Result	+128.9° (c = 0.7, Water)
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 41.64, %H: 7.16
HPLC Purity	Report Result	100.00% (ELSD)
MS	Conforms to Structure	Conforms
Appearance	White to Off-White Sticky Solid to Solid	Off-White Sticky Solid

Additional Information: Contains: ~1.0% Methanol

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	2/23/2022	2/21/2026