



CERTIFICATE OF ANALYSIS

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1. Identification

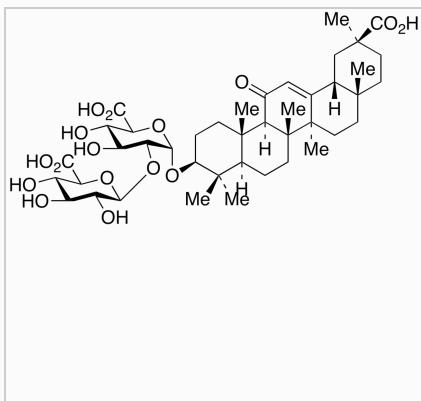
Catalogue Number: G735150

CAS Number: 1405-86-3

Product: Glycyrrhizic Acid

Synonym: (3 β ,20 β)-20-Carboxy-11-oxo-30-norolean-12-en-3-yl 2-O- β -D-Glucopyranuronosyl- α -

Structure:



Molecular Formula:

C₄₂H₆₂O₁₆

Molecular weight:

822.93

Source of Product:

N/A

Solubility:

DMSO (Slightly), Ethanol (Slightly), Methanol (Sparingly), Pyridine (Slightly)

Lot Number: 2023-SAP-103

Purity: 94%

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	White to Light Beige Solid	Off-White to Pale Beige Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	94.05% (ELSD)
Elemental Analysis	Conforms	%C: 57.34, %H: 7.63
Specific Rotation	Report Result	+53.5° (c = 0.3, Ethanol)

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
Sarbjeet Kaur	Toni Rantanen	Chanell Chu	4/26/2023	4/24/2027