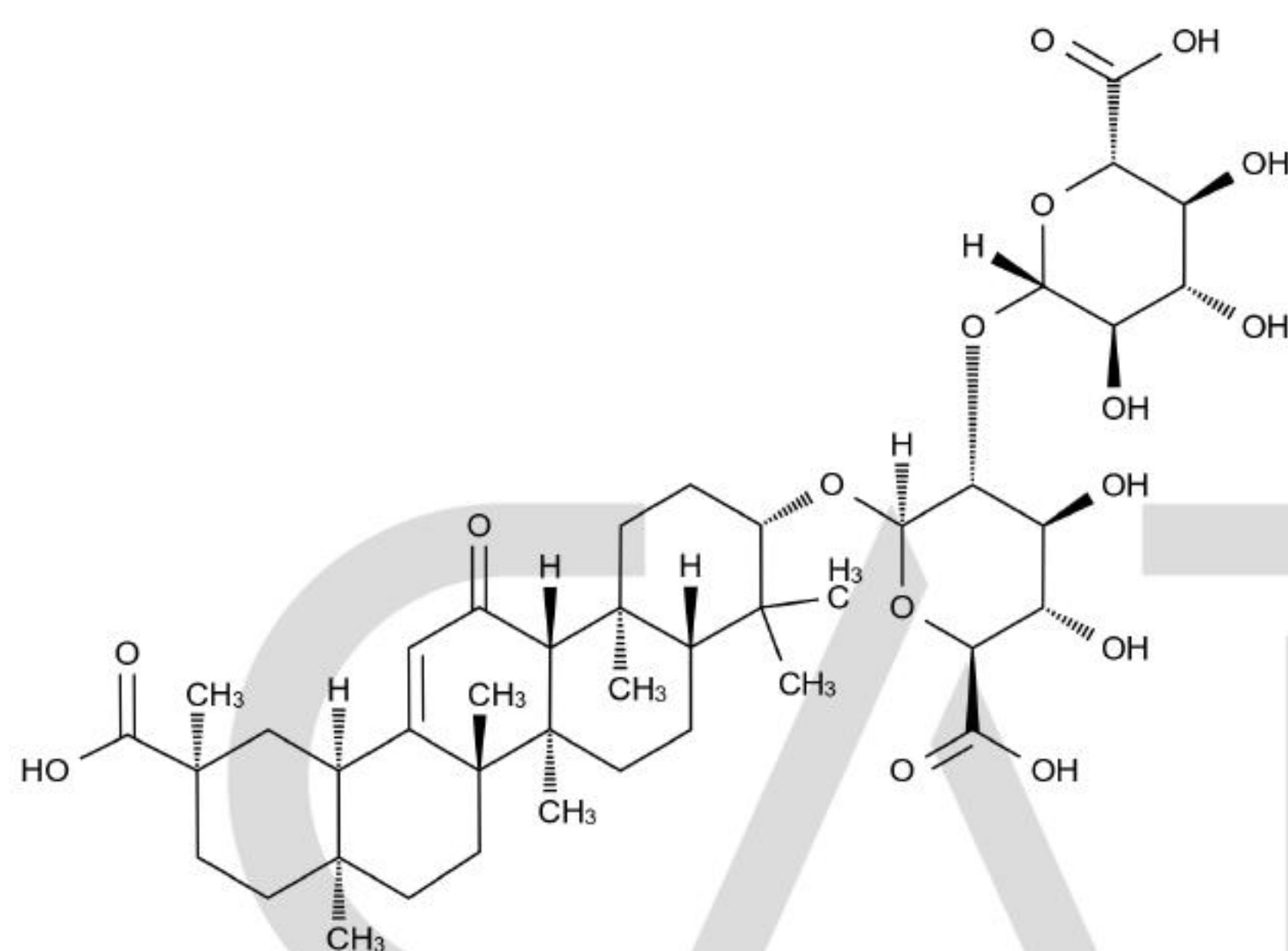


Certificate of Analysis

Reference Material & Standard

Product Name:	(18 β ,20 α)-Glycyrrhizic acid	Catalogue Number:	CCPE902418
Synonyms:	N/A	Lot Number:	0109-RH-0042
CAS Number:	118441-85-3	Expiry Date:	Jan 13, 2030
Molecular Formula:	C ₄₂ H ₆₂ O ₁₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	822.93	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.3%
Assay	qNMR	91.4%
Uncertainty		±1.6%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jan 14, 2026

Date: Jan 14, 2026

Date: Jan 14, 2026



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