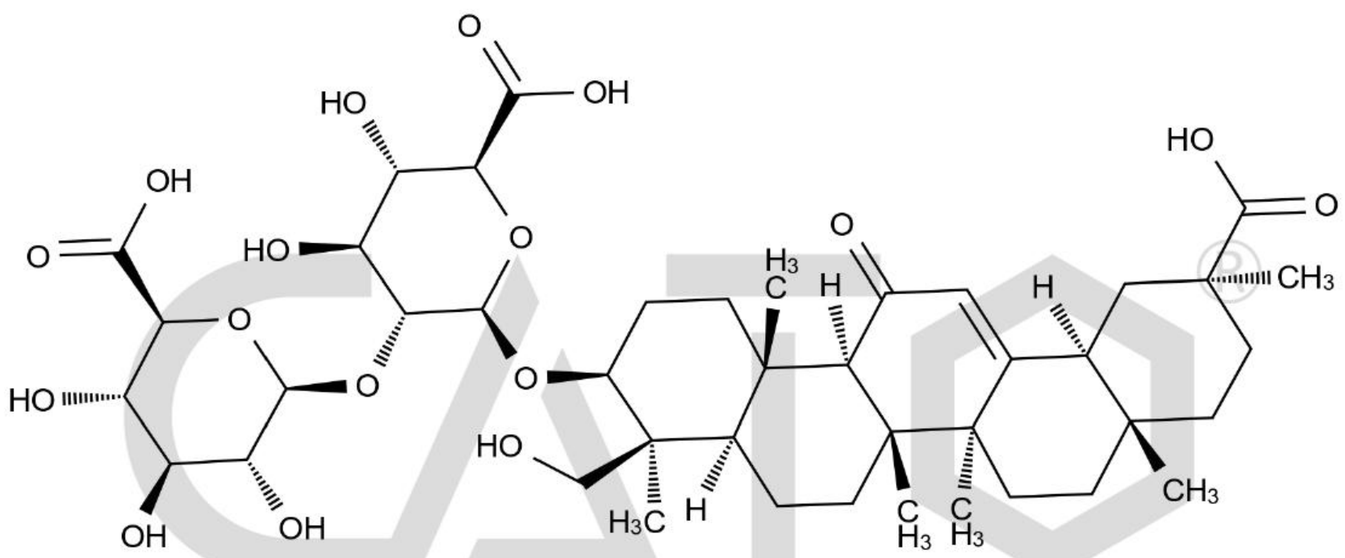
Certificate of Analysis

Reference Material & Standard

Product Name:	Glycyrrhizic Acid Impurity 17	**Catalogue Number:**	C4X-253717
Synonyms:	N/A	**Lot Number:**	1101-RH-0044
CAS Number:	2919137-39-4	**Expiry Date:**	Apr 27, 2030
Molecular Formula:	$C_{42}H_{62}O_{17}$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	838.93	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.43%
Loss on Drying	TGA	3.702%
Assay	Mass Balance	92.9%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koi — Date: Nov 05, 2026

Reviewed by: Alice — Date: Nov 05, 2026

Approved by General Manager: David — Date: Nov 05, 2026

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