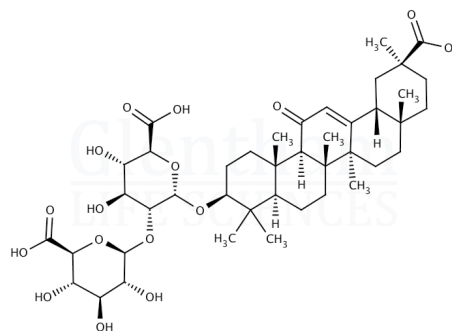


Certificate of Analysis

Product Name Glycyrrhizic acid
Glentham Code GC9316
CAS Number 1405-86-3
EINECS 258-887-7
PubChem SID 310274305
Batch Number 069ZEY

Molecular Weight 839.96
Molecular Formula $C_{42}H_{62}O_{16} \cdot NH_3$
Storage Temp. +20°C



Property	Specification	Batch 069ZEY
Physical Description	White to off-white or faint yellow powder	White powder
Identification (IR)	To conform to standard	Conforms
Specific Optical Rotation ($[\alpha]_{20/D}$)	+44.0 - +52.0 ° (c=1, ethanol:water 1:1)	+50.5 °
Water (KF)	≤ 7.0%	5.78%
Assay	≥ 95.0%	98.2%

Specification Version v1.0
Manufacture Date 2023-07-08
Re-Test Date 2030-08-23

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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