Certificate of Analysis

Product No.	14	Product Name	Glycyrrhizic acid	
Lot. No.		142405	Unit Quantity	20mg
Analysis Date		2024-05-27	Storage Conditions	Room temperature

GlcA-(1
$$\rightarrow$$
2)-GlcA \rightarrow 0

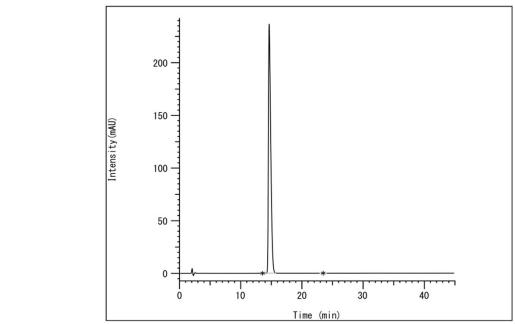
H

C₄₂H₆₂O₁₆

MW: 822.93

CAS RN: 1405-86-3

This product conforms to the specifications in the 18th edition of the Japanese Pharmacopoeia, Reagents, Test Solutions, "Glycyrrhizic acid for thin-layer chromatography".



Retension time	Peak area	%
13.573	7948	0.13
14.653	6204872	99.81
23.430	3849	0.06
Total	6216669	100.00

Area percentage: Not less than 99.0%

Detector: An ultraviolet absorption photometer (254nm)

Wakosil- II 5C18 HG
(4.6 × 150mm)

Column: A constant temperature temperature: of about 40°C

Purity Related substances (HPLC)	Mobile phase	add 5 mL of acetic acid (100) and 280mL of acetonitrile. Adjust so that the	Passed (99.8%)		
	Flow rate	: retention time of glycyrrhizic acid is about 15 minutes. About 3 times as long as			
	Time span measurement	the retention time of of glycyrrhizic acid, beginning after the solvent peak.			
Description	Passed				
Identification (IR)	Passed				
Absorbance E 1% (25	Passed (143)				
Purity Related substa	Passed				
Water (by coulometri	5.0%				
Precautions					
Order quantities that	can be used imn	nediately, and after receipt of	a reference standard, store		
it at the specified tem	perature and us	e it as soon as possible.			
Expiration Date	April 2026(unopened)				

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