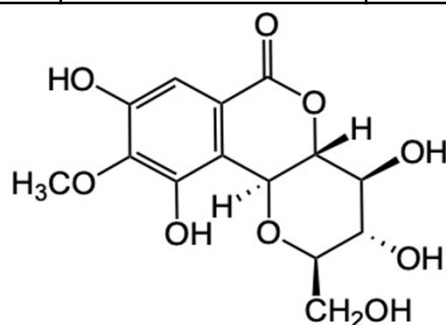


Certificate of Analysis

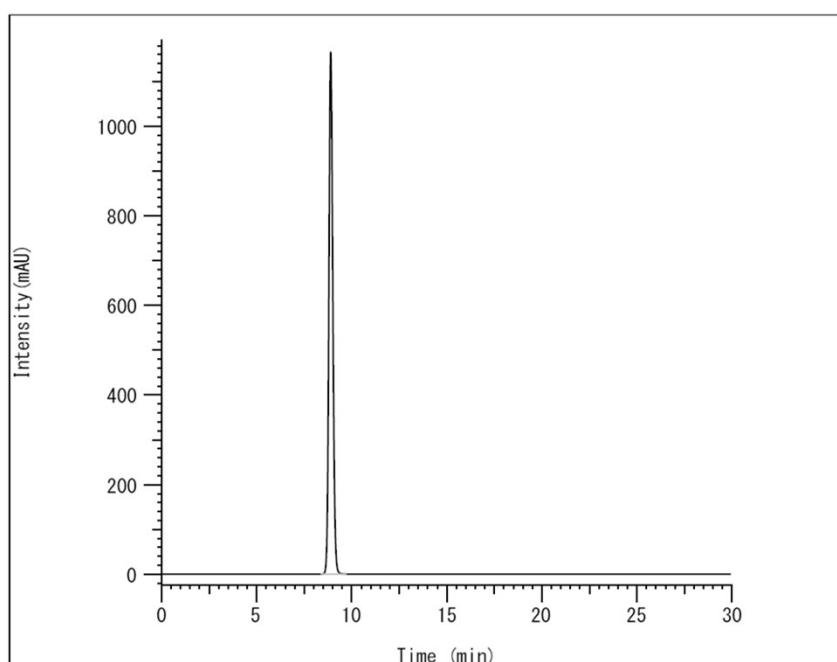
Product No.	34	Product Name	Bergenin
Lot. No.	342406	Unit Quantity	20mg
Analysis Date	2025-05-12	Storage Conditions	Room temperature

C₁₄H₁₆O₉

MW : 328.27

CAS RN: 477-90-7

This product conforms to the specifications in the 19th edition of the Japanese Pharmacopoeia, Reagents, Test Solutions, "Bergenin for thin-layer chromatography" and in the Japanese standards for non-Pharmacopoeial crude drugs 2022, "Bergenin for assay".



Retention time	Peak area	%
8.893	16752178	100.00
Total	16752178	100.00

Area percentage	: Not less than 99.0%
Detector	: An ultraviolet absorption photometer (272nm)
Column	: Wakosil- II 5C18 HG (4.6 × 150mm)

Purity (HPLC)	Column temperature : Mobile phase : Flow rate : Time span of measurement :	A constant temperature of about 30°C. A mixture of water and acetonitrile (9 : 1) . Adjust so that the retention time of bergenin is about 9 minutes. About 3 times as long as the retention time of bergenin.	Passed (100.0%)
Description			Passed
Identification (UV)			Passed
Purity Related substances (TLC)			Passed
Absorbance $E_{1cm}^{1\%}$ (270nm) : 240~ 255			Passed (241)
Water (by coulometric titration)			3.1%
Precautions			
Order quantities that can be used immediately, and after receipt of a reference standard, store it at the specified temperature and use it as soon as possible.			
Expiration Date	May 2027 (unopened)		

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