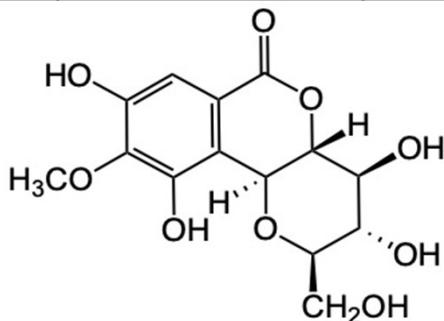


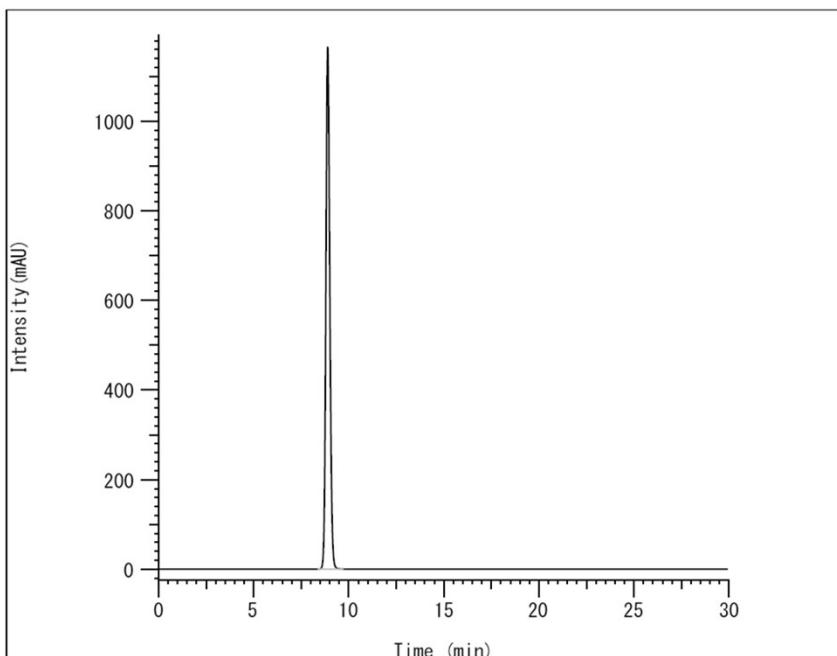
Certificate of Analysis

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 18th 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 :	A constant temperature of about 30°C.	Passed (100.0%)
	Mobile phase :	A mixture of water and acetonitrile (9 : 1) . Adjust so that the	
	Flow rate :	retention time of bergenin is about 9 minutes.	
	Time span of measurement :	About 3 times as long as the retention time of bergenin.	
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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