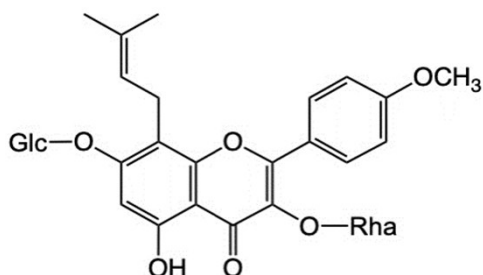


Certificate of Analysis

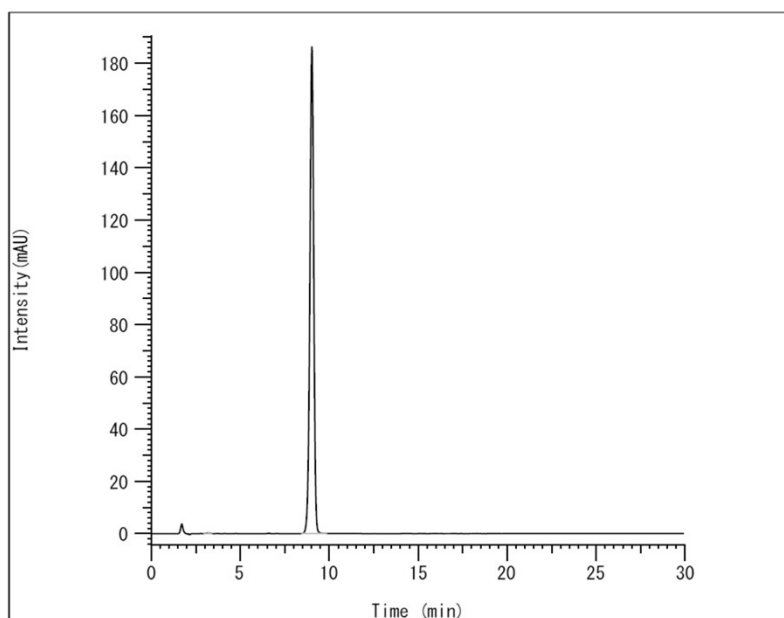
Product No.	04	Product Name	Icariin
Lot. No.	042302	Unit Quantity	20mg
Analysis Date	2025-05-13	Storage Conditions	Room temperature

C₃₃H₄₀O₁₅

MW : 676.66

CAS RN: 489-32-7

This product conforms to the specifications in the 18th edition of the Japanese Pharmacopoeia , Reagents, Test Solutions, "Icariin for thin-layer chromatography" and in the The Japanese standards for non-Pharmacopoeial crude drugs 2022, "Icariin for assay".



Retention time	Peak area	%
3.163	2524	0.09
3.307	1491	0.05
9.023	2816187	99.86
Total	2820202	100.00

Purity (HPLC)	Area percentage : Not less than 99.0%	Passed (99.9%)
	Detector : An ultraviolet absorption photometer (270nm)	
	Column : Wakosil- II 5C18 HG (4.6 × 150mm)	
	Column temperature : A constant temperature of about 40°C.	
	Mobile phase : A mixture of water and acetonitrile (73 : 27).	

	Ajust so that the Flow rate : retention time of icariin is about 9 minutes. About 3 times as long as Time span of the retention time of measurement : icariin, beginning after the solvent peak.	
Description		Passed
Purity Related substances (TLC)		Passed
Absorbance $E_{1\text{cm}}^{1\%}$ (270nm) : 374 ~ 413		Passed (379)
Water (by coulometric titration)		2.2%
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)	

4-201, Sakurazaka, Moriyama-ku, Nagoya City, Aichi Prefecture 463-0018, Japan

TEL : +81-52-715-5601 FAX : +81-52-715-5602