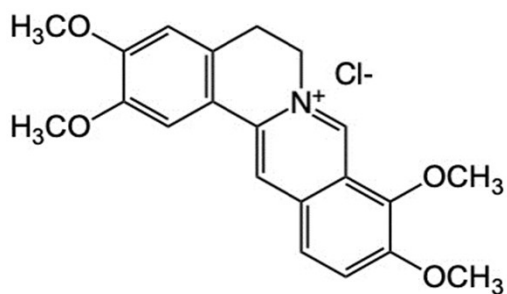


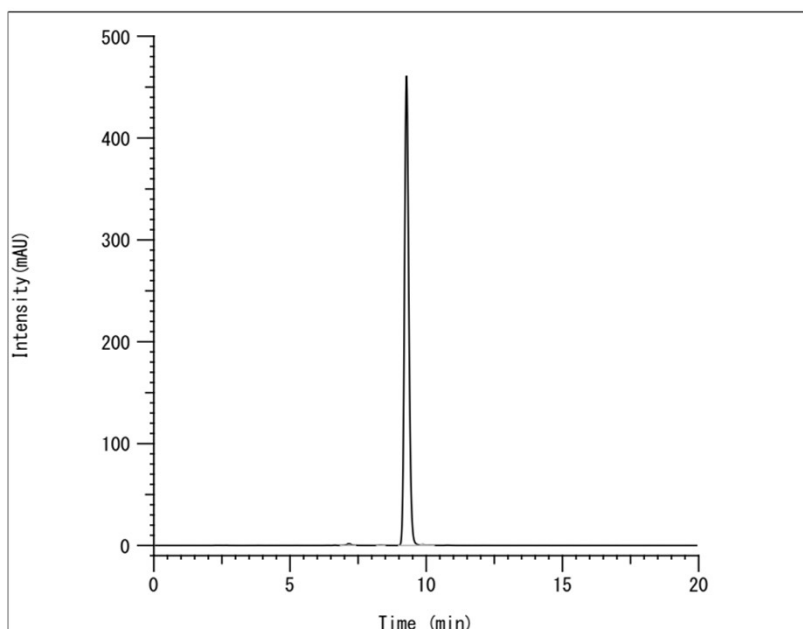
Certificate of Analysis

Product No.	26	Product Name	Palmatine chloride
Lot. No.	262302	Unit Quantity	20mg
Analysis Date	2023-04-24	Storage Conditions	Room temperature



$C_{21}H_{22}ClNO_4$
 MW : 387.86
 CAS RN: 10605-02-4

This product conforms to the specifications in the 18th edition of the Japanese Pharmacopoeia, Reagents, Test Solutions, " Palmatin chloride".



Retention time	Peak area	%
7.160	20147	0.39
8.327	2640	0.05
9.277	5121909	99.49
9.880	3684	0.07
Total	5148380	100.00

Area percentage	: Not less than 99.0%
Detector	: An ultraviolet absorption photometer (345nm)
Column	: YMC-Pack ODS-A (ϕ 4.6 $\times$ 250mm)

Purity Related substances (HPLC)	Column temperature :	A constant temperature of about 40°C.	Passed (99.5%)
	Mobile phase :	Dissolve 3.4 g of potassium dihydrogen phosphate and 1.7 g of sodium lauryl sulfate in 1000 mL of a mixture of water and acetonitrile (1:1).	
	Flow rate :	Adjust so that the retention time of berberine is about 10 minutes.	
	Time span of measurement :	About twice as long as the retention time of palmatine chloride.	
Description			Passed
Purity Related substances (TLC)			Passed
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		February 2027(unopened)	

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