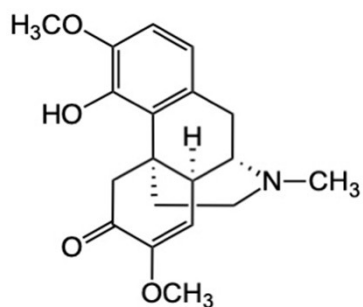


Certificate of Analysis

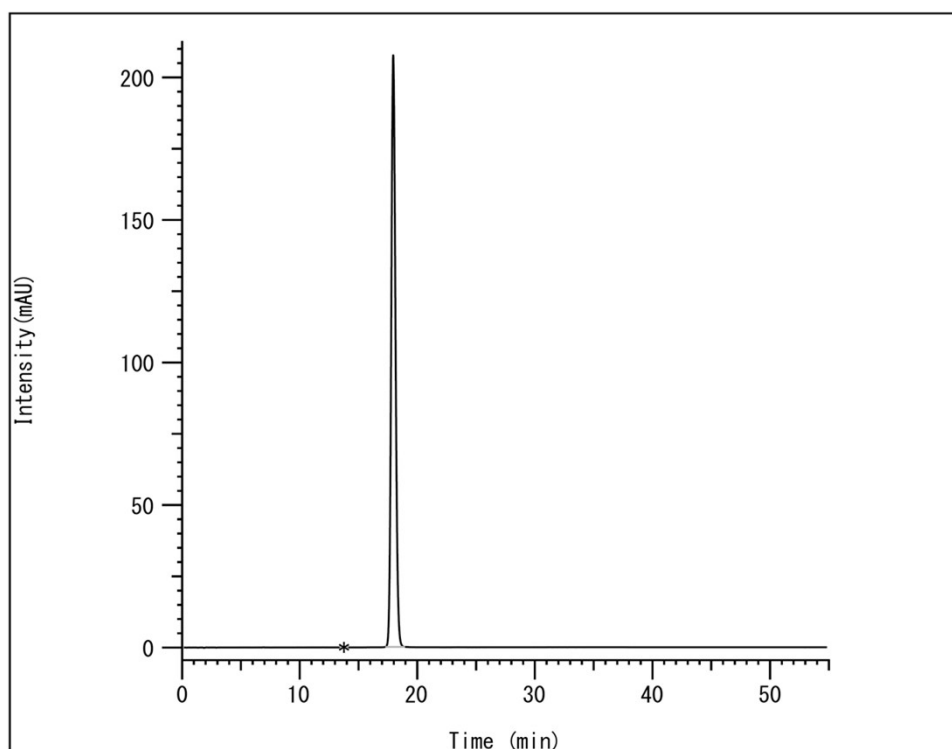
Product No.	18	Product Name	Sinomenine
Lot. No.	182403	Unit Quantity	20mg
Analysis Date	2025-02-05	Storage Conditions	Room temperature

C₁₉H₂₃NO₄

MW : 329.39

CAS RN: 115-53-7

This product conforms to the specifications in the 19th edition of the Japanese Pharmacopoeia , Reagents, Test Solutions, "Sinomenine for assay" and "Sinomenine for thin-layer chromatography".



Retention time	Peak area	%
13.767	3266	0.06
17.953	5213036	99.94
Total	5216302	100.00

Area percentage : Not less than 99.0%

Detector : An ultraviolet absorption photometer (261nm)

Column : Wakosil- II 5C18 HG (4.6 × 150mm)

Purity Related substances (HPLC)	Column temperature :	A constant temperature of about 30°C.	Passed (99.9%)
	Mobile phase :	To 3 g of sodium lauryl sulfate add 350 mL of acetonitrile, shake, then add 650 mL of water and 1 mL of phosphoric acid to dissolve lauryl sulfate.	
	Flow rate :	1.0 mL per minute (the retention time of sinomenine is about 18 minutes).	
	Time span of measurement :	About 3 times as long as of the retention time of sinomenine, beginning after the solvent peak.	
Assay(qNMR)			95.1%
Unity of peak			Passed
Description			Passed
Identification (UV)			Passed
Identification (IR)			Passed
Purity Related substances (TLC)			Passed
Water (by coulometric titration)			2.7%
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 2028 (unopened)	

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