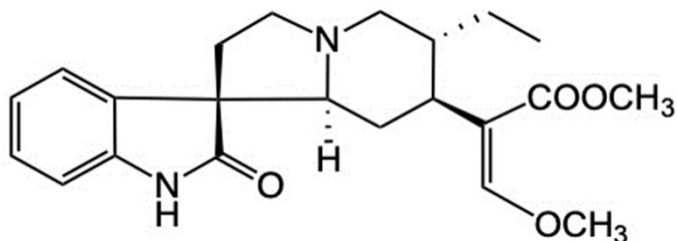


Certificate of Analysis

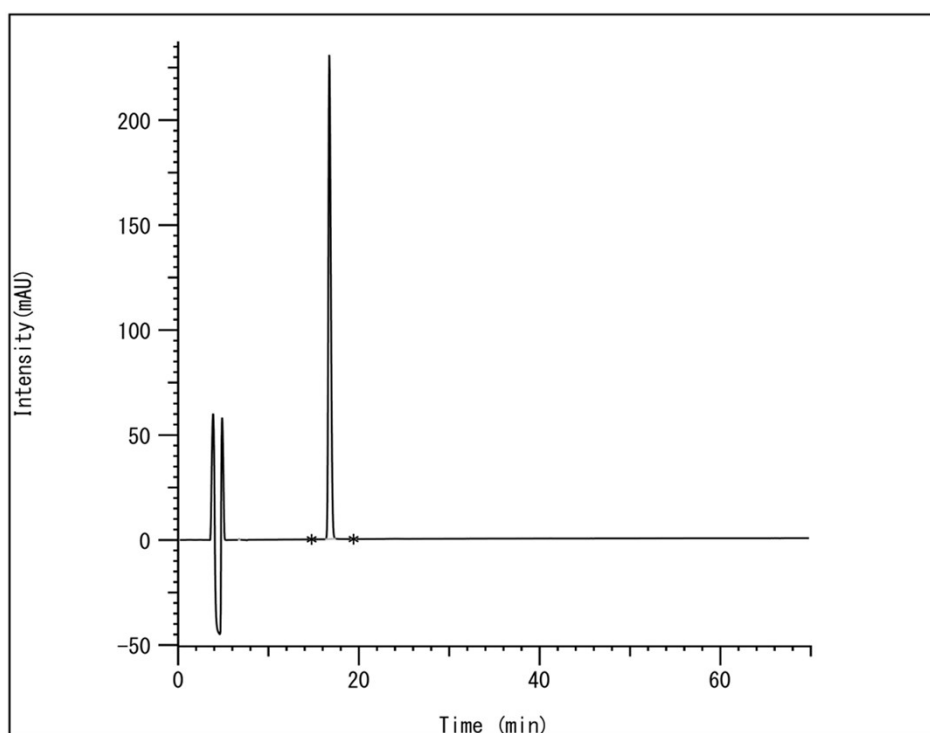
Product No.	41	Product Name	Rhynchophylline	
Lot. No.		412311	Unit Quantity	20mg
Analysis Date		2025-02-05	Storage Conditions	Room temperature


$$\text{C}_{22}\text{H}_{28}\text{N}_2\text{O}_4$$

MW : 384.47

CAS RN:76-66-4

This product conforms to the specifications in the 18th edition of the Japanese Pharmacopoeia (Supplement 1), Reagents, Test Solutions, "Rhyncophylline for assay" and in the 18th edition of the Japanese Pharmacopoeia, Reagents, Test Solutions, "Rhyncophylline for thin-layer chromatography".



Retention time	Peak area	%
6.750	2108	0.05
14.753	3677	0.08
16.733	4407205	99.80
19.420	3011	0.07
Total	4416001	100.00

Area percentage	: Not less than 99.0%
Detector	: An ultraviolet absorption photometer (245nm)

Purity Related substances (HPLC)	Column	: COSMOSIL 5 C18-MS- II (ϕ 4.6 × 250mm)	Passed (99.8%)
	Column temperature :	A constant temperature of about 40°C.	
	Mobile phase :	Dissolve 3.85 g of ammonium acetate in 200 mL of water, add 10 mL of acetic acid (100) and water to make 1000 mL, and add 350 mL of acetonitrile.	
	Flow rate :	Adjust so that the retention time of rhynchophylline is about 17 minutes.	
Assay(qNMR)			99.9%
Unity of peak			Passed
Absorbance $E_{1\text{cm}}^{1\%}$ (245nm) : 473~502			Passed (480)
Description			Passed
Identification (UV)			Passed
Purity Related substances (TLC)			Passed
Water (by coulometric titration)			0.3%
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		December 2027 (unopened)	

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