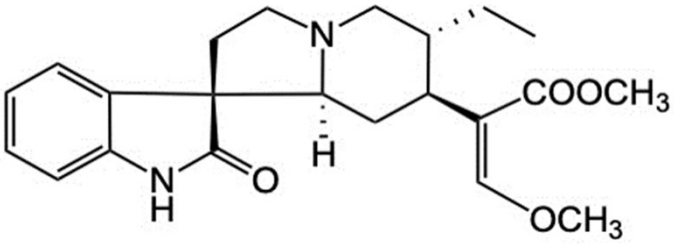
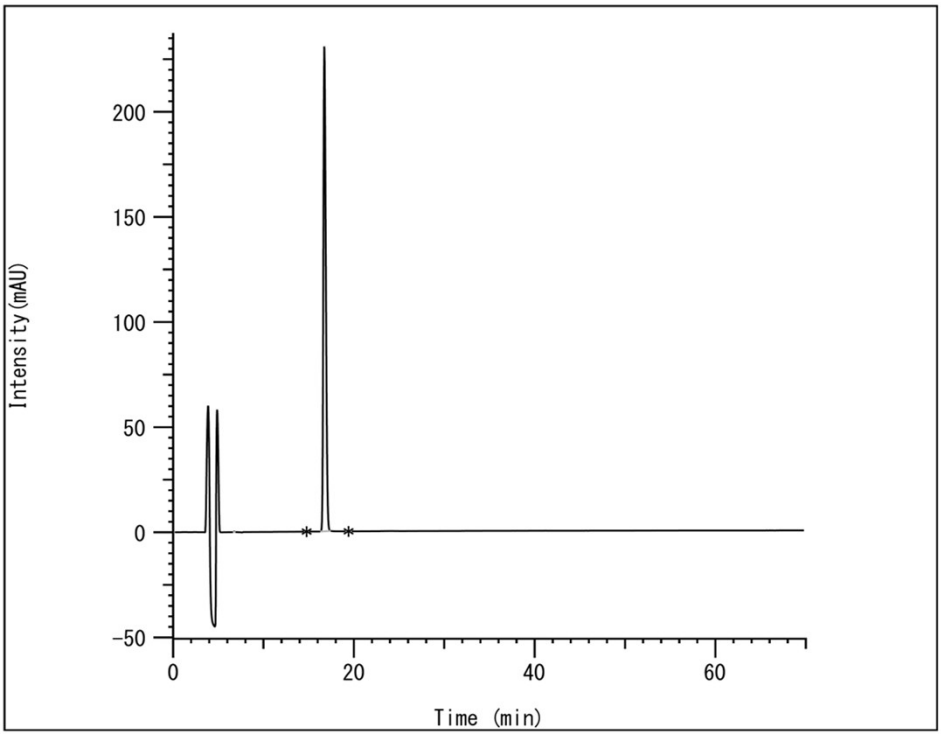
Certificate of Analysis

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



$C_{22}H_{28}N_2O_4$
MW：384.47
CAS RN:76-66-4

This product conforms to the specifications in the 19th edition of the Japanese Pharmacopoeia , Reagents, Test Solutions, " Rhyncophylline for assay" and " 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（φ4.6×250mm）
	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.
			Passed（99.8%）
Assay(qNMR)			99.9%
Unity of peak			Passed
Absorbance $E^{1\%}_{1cm}$（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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