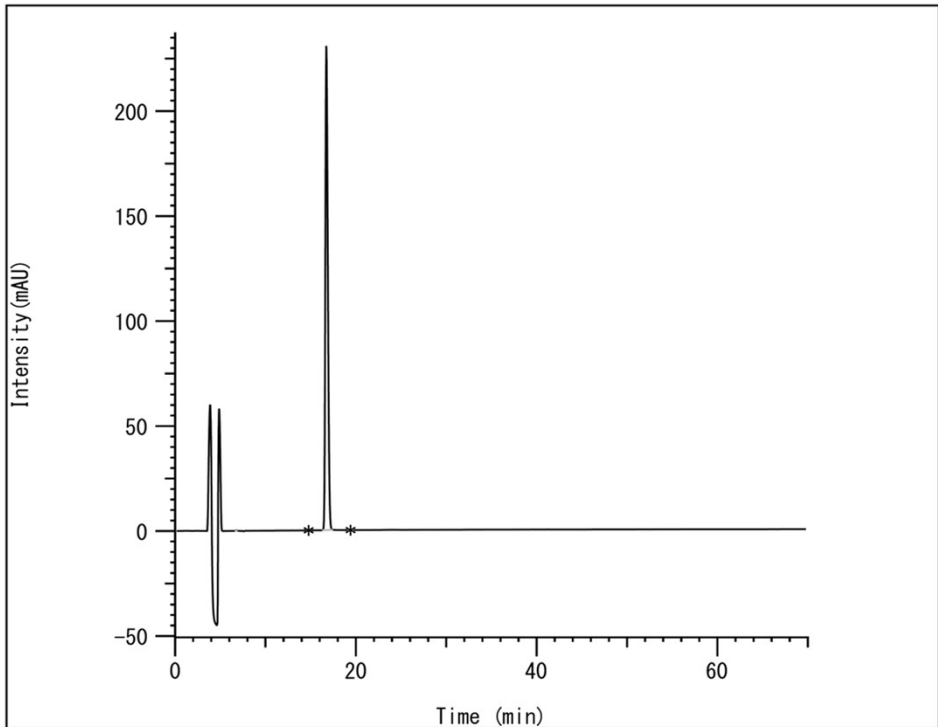


Certificate of Analysis

Product No.	41	Product Name	Rhynchophylline																			
Lot. No.		412311	Unit Quantity	20mg																		
Analysis Date		2025-02-05	Storage Conditions	Room temperature																		
<chem>COC(=O)C(=C)C1CCN(CC1)C(=O)c2ccccc2</chem> C₂₂H₂₈N₂O₄ MW : 384.47 CAS RN:76-66-4																						
This product conforms to the specifications in the 18th edition of the Japanese Pharmacopoeia (Supplement I), Reagents, Test Solutions, " Rhynchophylline for assay" and in the 18th edition of the Japanese Pharmacopoeia , Reagents, Test Solutions, " Rhynchophylline for thin-layer chromatography".																						
<table><tr><th>Retention time</th><th>Peak area</th><th>%</th></tr><tr><td>6.750</td><td>2108</td><td>0.05</td></tr><tr><td>14.753</td><td>3677</td><td>0.08</td></tr><tr><td>16.733</td><td>4407205</td><td>99.80</td></tr><tr><td>19.420</td><td>3011</td><td>0.07</td></tr><tr><td>Total</td><td>4416001</td><td>100.00</td></tr></table>					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
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6.750	2108	0.05																				
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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		January 2026 (unopened)	

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