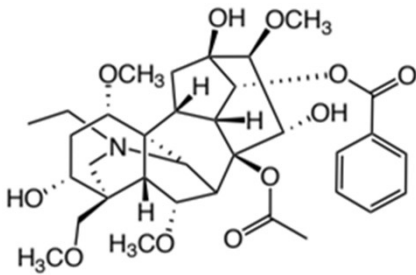


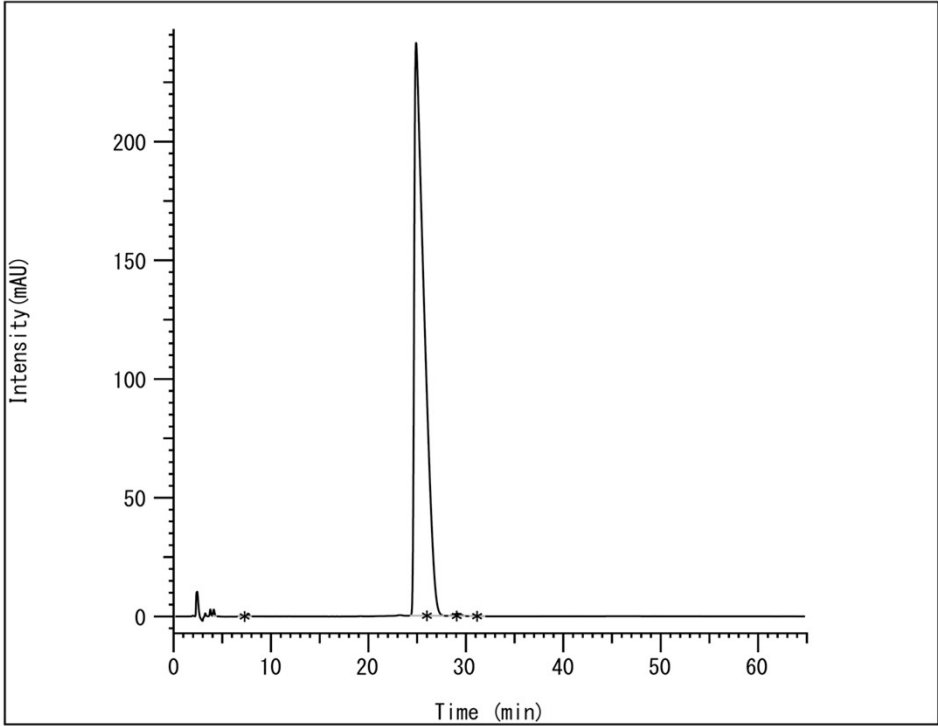
Certificate of Analysis

Product No.	01	Product Name	Aconitine	
Lot. No.		012401	Unit Quantity	20mg
Analysis Date		2024-01-05	Storage Conditions	Refrigerate (≤10° C)



C₃₄H₄₇N O₁₁
MW : 645.74
CAS RN: 302-27-2

This product conforms to the specifications in the 19th edition of the Japanese Pharmacopoeia, Reagents, Test Solutions, "Aconitine for purity".



Retention time	Peak area	%
4.127	26935	0.16
7.650	24802	0.15
24.893	16967395	99.31
29.173	51693	0.30
31.183	14082	0.08
Total	17084907	100.00

Content	: Not less than 98.0%	
Detector	: An ultraviolet absorption photometer (231nm)	

Purity Related substances (HPLC)	Column	: Wakosil- II 5C18 HG ($\phi 4.6 \times 150\text{mm}$)	Passed (99.3%)
	Column temperature :	A constant temperature of about 40°C.	
	Mobile phase :	A mixture of phosphate buffer solution for processed aconite root and tetrahydrofuran (9:1)	
	Flow rate :	Adjust so that the retention time of aconitine is about 26 minutes. About 3 times as long as	
	Time span measurement :	of the retention time of aconitine, beginning after the solvent peak.	
Description			Passed
Identification (IR)			Passed
Absorbance $E_{1\text{cm}}^{1\%}$ (230nm) : 211 ~ 243			Passed (219)
Purity Related substances (TLC)			Passed
Water			Passed (0.2%)
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 2028 (unopened)	

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