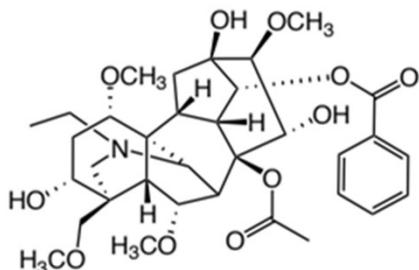


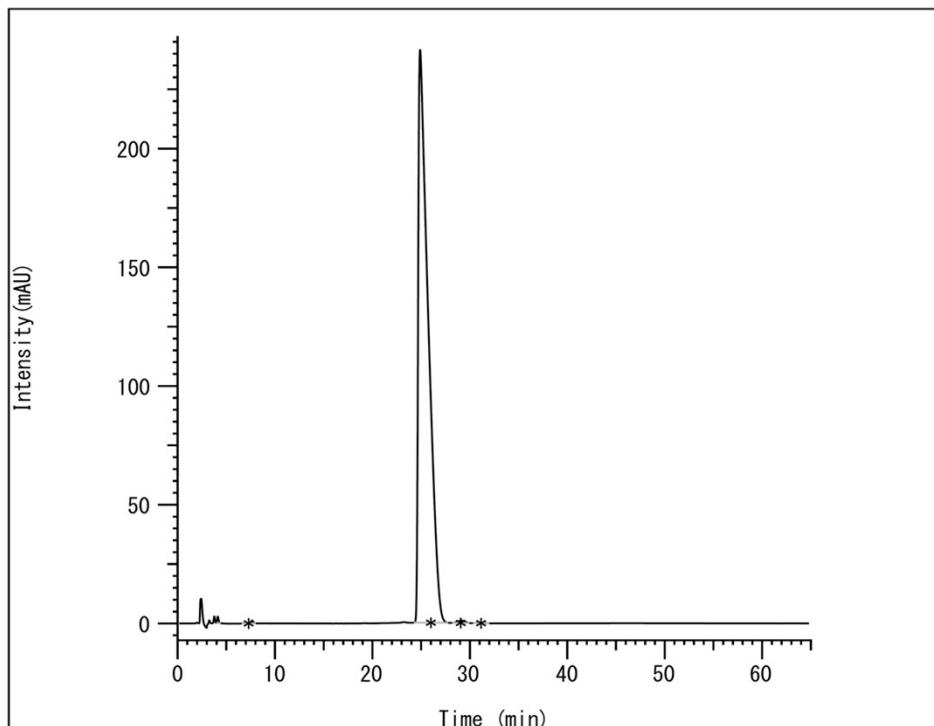
Certificate of Analysis

Product No.	01	Product Name	Aconitine
Lot. No.	012401	Unit Quantity	20mg
Analysis Date	2024-01-05	Storage Conditions	Refrigerate ($\leq 10^{\circ} \text{ C}$)



$\text{C}_{34}\text{H}_{47}\text{N O}_{11}$
MW : 645.74
CAS RN: 302-27-2

This product conforms to the specifications in the 18th 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 (ϕ 4.6 × 150mm) 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 of the retention time of measurement : aconitine, beginning after the solvent peak.	Passed (99.3%)
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)	

IWASHIMA YAKUHIN Co., Ltd.

4-201, Sakurazaka, Moriyama-ku, Nagoya City, Aichi Prefecture 463-0018, Japan

TEL : +81-52-715-5601

FAX : +81-52-715-5602