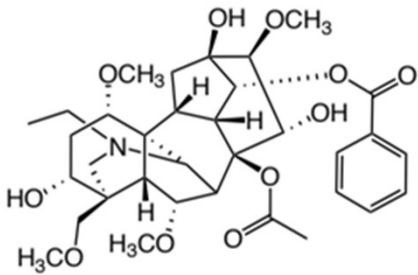


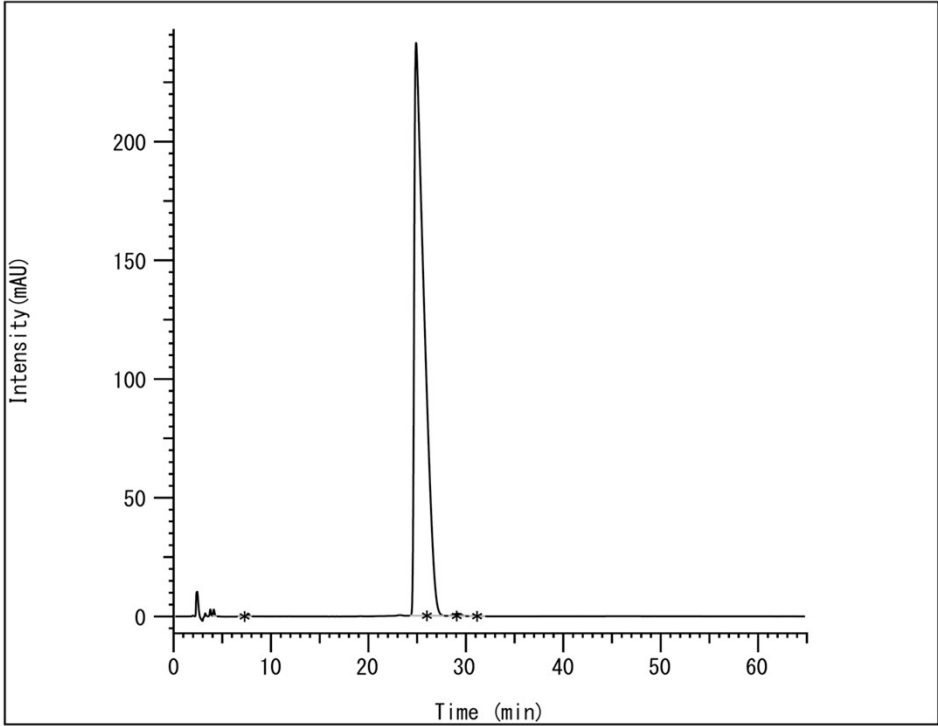
Certificate of Analysis

| | | | | |
|---------------|----|--------------|--------------------|----------------------|
| 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 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 ($\phi 4.6 \times 150\text{mm}$) | 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 of 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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