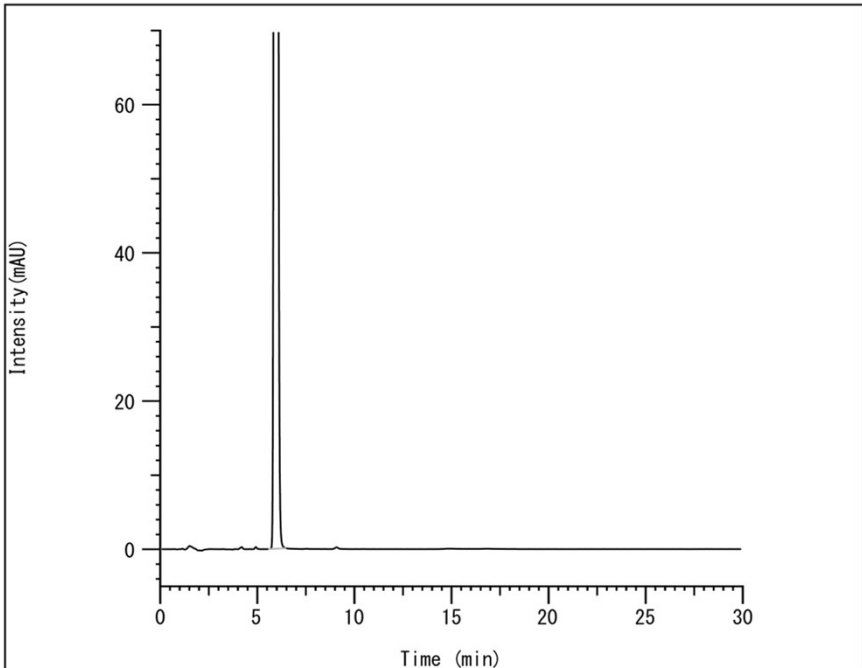


Certificate of Analysis

Product No.	30	Product Name	Bufalin										
Lot. No.		302401	Unit Quantity	20mg									
Analysis Date		2024-01-23	Storage Conditions	Refrigerate (≤10° C)									
<chem>CC12CCC3C(C1CC[C@H]4[C@@H](C2)O[C@H]5[C@@H](C[C@H]3O)C(=O)C=C[C@H]5O)C[C@H]4O</chem> C₂₄H₃₄O₄ MW : 386.52 CAS RN: 465-21-4													
This product conforms to the specifications in the 19th edition of the Japanese Pharmacopoeia, Reagents, Test Solutions, " Bufalin for assay".													
Content (Not less than 99.0%)				Passed (100.0%)									
 <table><tr><th>Retention time</th><th>Peak area</th><th>%</th></tr><tr><td>5.95</td><td>10863734</td><td>100.00</td></tr><tr><td>Total</td><td>10863734</td><td>100.00</td></tr></table>					Retention time	Peak area	%	5.95	10863734	100.00	Total	10863734	100.00
Retention time	Peak area	%											
5.95	10863734	100.00											
Total	10863734	100.00											
Assay (HPLC)	Detector : An ultraviolet absorption photometer (300nm) Column : YMC-Pack ODS-AL (ϕ 4.6 × 250mm) Column temperature : A constant temperature of about 40°C. Mobile phase : A mixture of water and acetonitrile(1 : 1). Flow rate : Adjust so that the retention time of bufalin is about 6 minutes.												

	Time span of measurement : About twice as long as the retention time of bufalin, beginning after the solvent peak.
Description	Passed
Absorbance $E_{1\text{cm}}^{1\%}$ (300nm) : 143 ~ 153	Passed (147)
Purity Related substances (TLC)	Passed
Water (by coulometric titration)	0.0%
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 YAKUHI Co., Ltd.

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

TEL : +81-52-715-5601 FAX : +81-52-715-5602