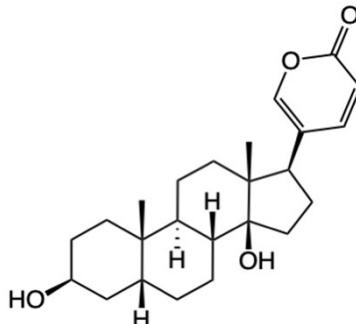


Certificate of Analysis

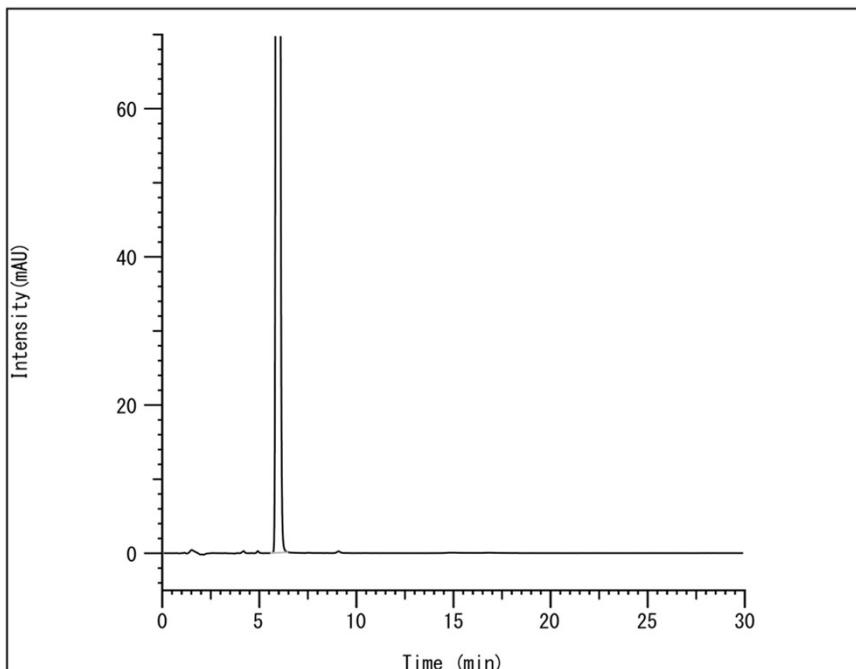
Product No.	30	Product Name	Bufalin
Lot. No.	302401	Unit Quantity	20mg
Analysis Date	2024-01-23	Storage Conditions	Refrigerate ($\leq 10^{\circ} \text{ C}$)



$\text{C}_{24}\text{H}_{34}\text{O}_4$
MW : 386.52
CAS RN: 465-21-4

This product conforms to the specifications in the 18th edition of the Japanese Pharmacopoeia, Reagents, Test Solutions, "Bufalin for assay".

Content (Not less than 99.0%)	Passed (100.0%)
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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 ($\phi 4.6 \times 250\text{mm}$)
	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 $E_{1cm}^{1\%}$ (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)

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