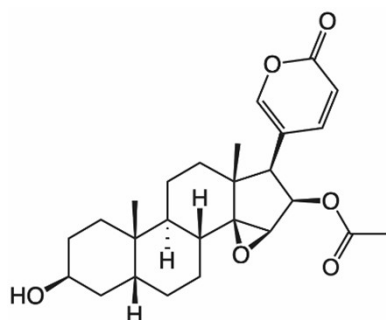


Certificate of Analysis

Product No.	17	Product Name	Cinobufagin
Lot. No.	172303	Unit Quantity	20mg
Analysis Date	2023-04-24	Storage Conditions	Refrigerate ($\leq 10^{\circ}\text{C}$)


 $\text{C}_{26}\text{H}_{34}\text{O}_6$

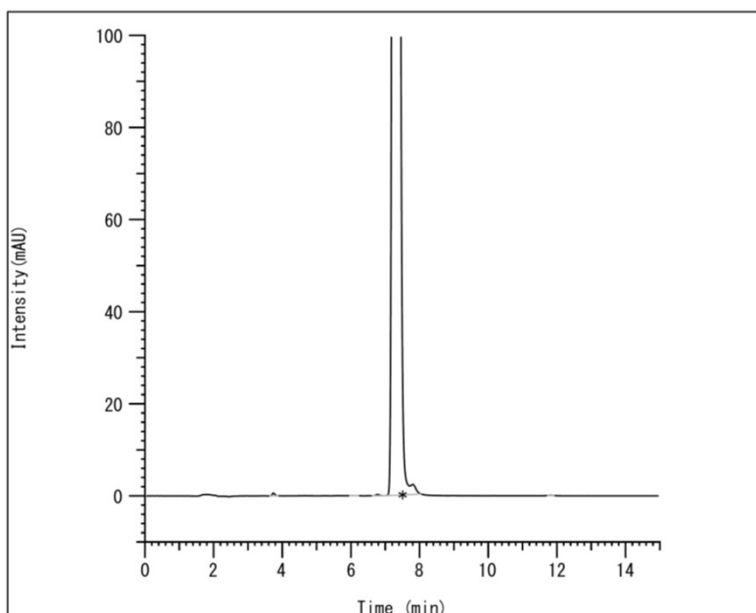
MW : 442.54

CAS RN: 470-37-1

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

Content (Not less than 98.0%)

Passed (99.8%)



Retention time	Peak area	%
7.297	13125058	99.81
7.803	24732	0.19
Total	13149790	100.00

Assay (HPLC)

Detector : An ultraviolet absorption photometer (295nm)
 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 cinobufagin is about 7 minutes.

	Time span of measurement :	About twice as long as the retention time of cinobufagin, beginning after the solvent peak.
Description		Passed
Absorbance $E_{1\text{cm}}^{1\%}$ (295nm) : 125 ~ 137		Passed (131)
Purity Related substances (TLC)		Passed
Water (by coulometric titration)		0.3%
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	February 2027(unopened)	

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