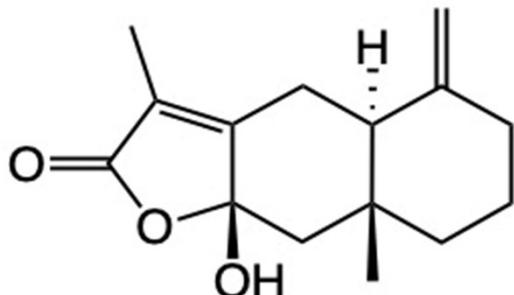


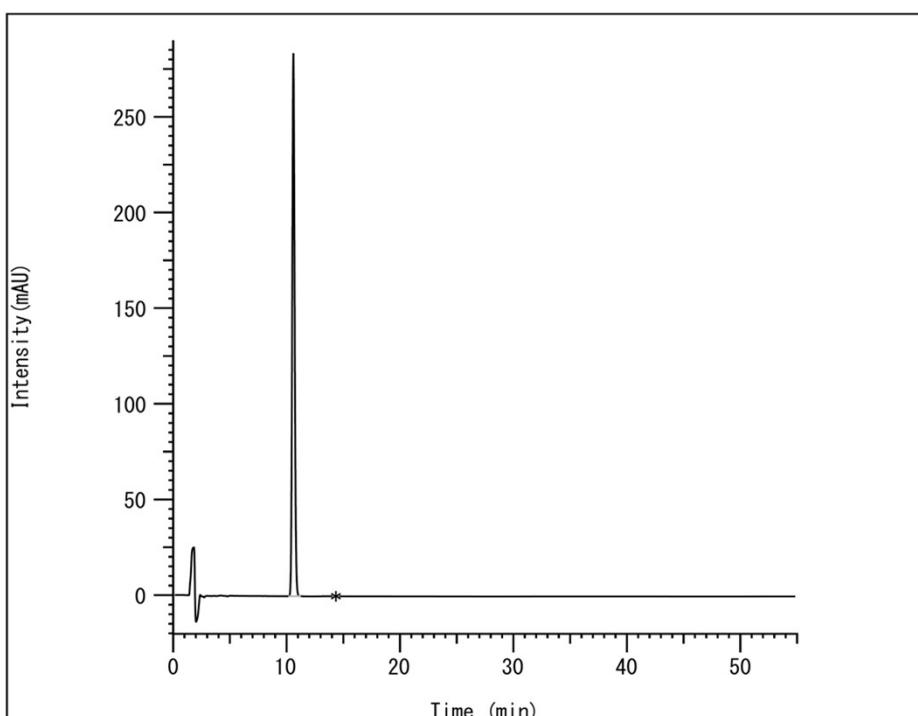
Certificate of Analysis

Product No.	02	Product Name	Attractylenolide III
Lot. No.	022407	Unit Quantity	20mg
Analysis Date	2025-01-28	Storage Conditions	Room temperature



$C_{15}H_{20}O_3$
MW : 248.32
CAS RN: 73030-71-4

This product conforms to the specifications in the 18th edition of the Japanese Pharmacopoeia (Supplement II), Reagents, Test Solutions, "Attractylenolide III for assay" and in the 18th edition of the Japanese Pharmacopoeia , Reagents, Test Solutions, "Attractylenolide III for thin-layer chromatography".



Retention time	Peak area	%
10.600	4199036	99.95
14.323	2193	0.05
Total	4201229	100.00

	Area percentage : Not less than 99.0%
Detector	: An ultraviolet absorption photometer (220nm)

Purity	Column : Wakosil- II 5C18 HG (φ 4.6 × 150mm)	
Related substances (HPLC)	Column temperature A constant temperature of about 40°C. Mobile phase : A mixture of water, acetonitrile and phosphoric acid(550 : 450 : 1) Flow rate : 1.0 mL per minute (the retention time of attractylenolide III is about 10 minutes). Time span of the retention time of measurement : About 5 times as long as Atractylenolide II, beginning after the solvent peak.	Passed (99.9%)
Assay (Purity value by quantitative NMR)	99.6%	
Unity of peak		Passed
Description		Passed
Absorbance $E_{1\text{cm}}^{1\%}$ (219nm) : 446 ~ 481		Passed (447)
Identification (UV)		Passed
Identification (IR)		Passed
Purity Related substances (TLC)		Passed
Water (by coulometric titration)		0.7%
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	July 2027(unopened)	

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