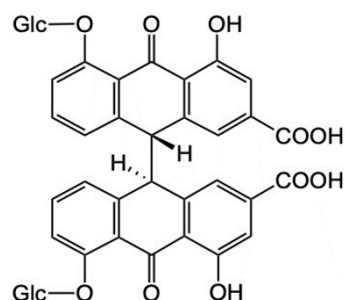


Certificate of Analysis

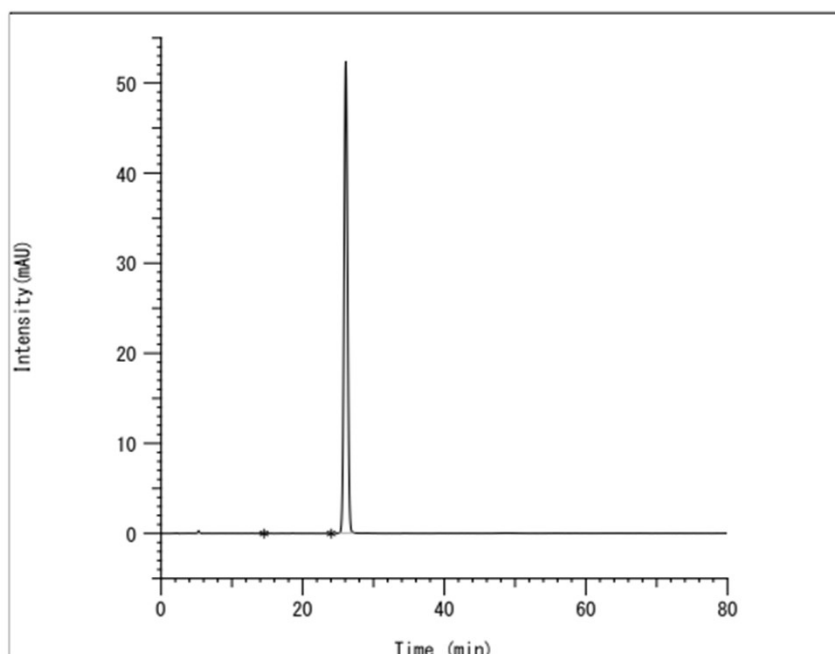
Product No.	21	Product Name	Sennoside A	
Lot. No.		212306	Unit Quantity	20mg
Analysis Date		2023-06-13	Storage Conditions	Room temperature


$$\text{C}_{42}\text{H}_{38}\text{O}_{20}$$

MW : 862.74

CAS RN: 81-27-6

This product conforms to the specifications in the 18th edition of the Japanese Pharmacopoeia, Reagents, Test Solutions, " Sennoside A for thin-layer chromatography".



Retention time	Peak area	%
5.293	3085	0.17
14.600	1052	0.06
24.020	1298	0.07
26.090	1768671	99.69
Total	1774106	100.00

Area percentage	:	Not less than 99.0%
Detector	:	An ultraviolet absorption photometer (340nm)
Column	:	Wakosil- II 5C18 HG (4.6 × 150mm)
Column temperature	:	A constant temperature of about 50°C.

Purity (HPLC)	Mobile phase : Dissolve 2.45 g of tetra-n-heptylammonium bromide in 1000 mL of a mixture of diluted 1 mol/L acetic acid-sodium acetate buffer solution (pH 5.0) (1 in 10) and acetonitrile (17:8). Flow rate : Adjust so that the retention time of sennoside A is about 26 minutes. Time span of measurement : About 3 times as long as the retention time of sennoside A, beginning after the solvent peak.	Passed (99.7%)
Description		Passed
Identification (IR)		Passed
Purity Related substances (TLC)		Passed
Water (by coulometric titration)		3.0%
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	April 2027(unopened)	

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