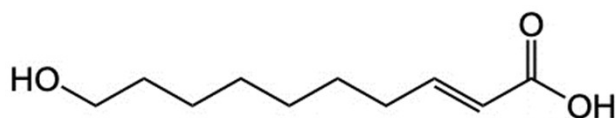


Certificate of Analysis

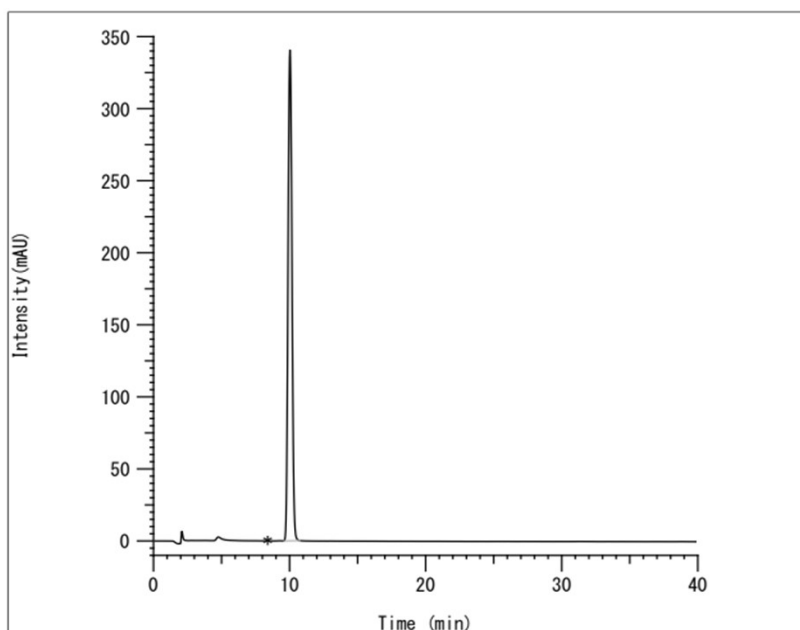
Product No.	27-2	Product Name	10-Hydroxy-2-(E)-decenoic acid	
Lot. No.	272303		Unit Quantity	100mg
Analysis Date	2023-04-24		Storage Conditions	Room temperature

 $C_{10}H_{18}O_3$

MW : 186.25

CAS RN: 14113-05-4

This product conforms to the specifications in the 18th edition of the Japanese Pharmacopoeia (Supplement II), Reagents, Test Solutions, "10-Hydroxy-2-(E)-decenoic acid for assay" and in the 18th edition of the Japanese Pharmacopoeia, Reagents, Test Solutions, "10-Hydroxy-2-(E)-decenoic acid for thin-layer chromatography".



Retention time	Peak area	%
8.407	3424	0.05
10.030	6800993	99.95
Total	6804417	100.00

Area percentage	: Not less than 99.0%
Detector	: An ultraviolet absorption photometer (215 nm)
Column	: Wakosil- II 5C18 HG (4.6 × 150mm)
Column temperature	: A constant temperature of about 50°C.

Purity Related substances (HPLC)	Mobile phase	A mixture of water, methanol for liquid chromatography and phosphoric acid (550:450:1).	Passed (99.9%)
	Flow rate	Adjust so that the retention time of 10-hydroxy-2-(E)-decenoic acid is about 10 minutes. About 4 times as long as the retention time of 10-hydroxy-2-(E)-decenoic acid, beginning after the solvent peak.	
	Time span of measurement		
Assay(qNMR)			97.1%
Unity of peak			Passed
Water (by coulometric titration)			0.3%
Description			Passed
Identification (UV)			Passed
Melting point (63~66°C)			Passed (65°C)
Purity Related substances (TLC)			Passed
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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