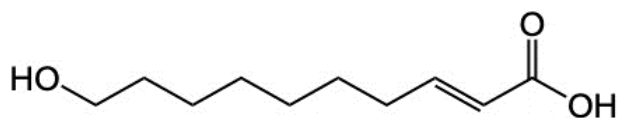


Certificate of Analysis

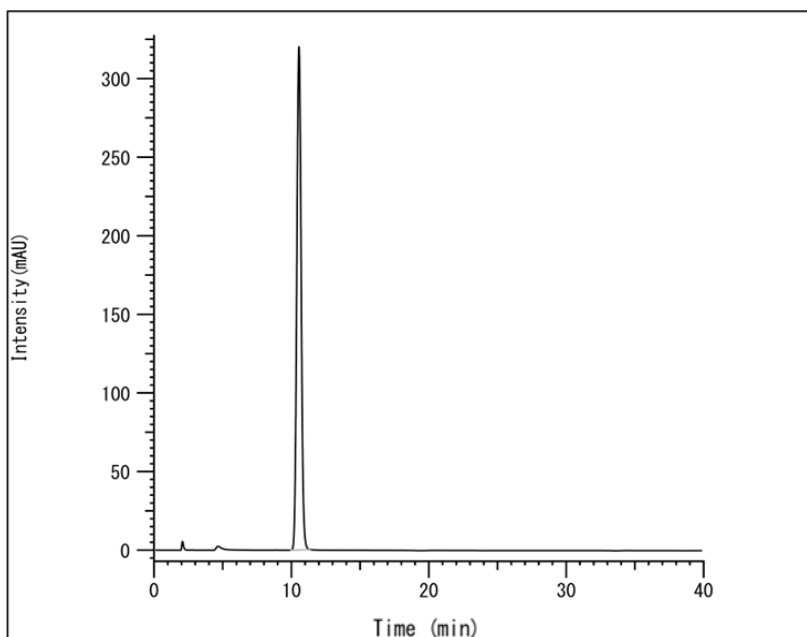
Product No.	27-2	Product Name	10-Hydroxy-2-(<i>E</i>)-decenoic acid	
Lot. No.	272508	Unit Quantity	100mg	
Analysis Date	2025-10-01	Storage Conditions	Room temperature	

C₁₀H₁₈O₃

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	%
10.553	7117904	100.00
Total	7117904	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 (100%)
	Flow rate :	Adjust so that the retention time of 10-hydroxy-2-(<i>E</i>)-decenoic acid is about 10 minutes. About 4 times as long as the retention time of 10-hydroxy-2-(<i>E</i>)-decenoic acid, beginning after the solvent peak.	
	Time span of measurement :		
Assay(qNMR)			98.2%
Unity of peak			Passed
Water (by coulometric titration)			0%
Description			Passed
Identification (UV)			Passed
Melting point (63~66°C)			Passed (66°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	October 2029(unopened)		

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