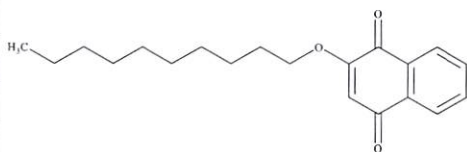


Certificate of Analysis



Certificate No.: 20260625021

Date: June 25, 2026

Retest date: June 23, 2029

Compound Name: Lawsone Impurity 2		
Synonyms:	2-(decyloxy)naphthalene-1,4-dione	
TLC Catalogue Number:	L-244003	
CAS Number:	2654751-26-3	
Alternate CAS Number:	N/A	
Molecular Weight:	314.43	
Molecular Formula:	C ₂₀ H ₂₆ O ₃	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7465-021A3	
Storage Conditions:	Store at 2-8 °C	
Solubility:	DMSO, Acetonitrile	

Test Description	Specifications	Results
Visual Description	Orange solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.4%
Impurity (HPLC)	RT 5.66, 0.14%; RT 9.16, 0.11%	
Residual Solvents (NMR)	0.3% ethyl acetate	
Assay (qNMR)	Not less than 90.0%	97.1%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/25/2026
Approved by:	Quality Assurance		06/25/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.