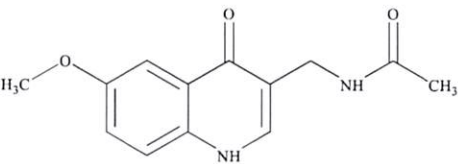


Certificate of Analysis



Certificate No.: **20260608004**

Date: June 8, 2026

Retest date: June 3, 2029

Compound Name:	Melatonin Impurity 11	
Synonyms:	<i>N</i> -((6-methoxy-4-oxo-1,4-dihydroquinolin-3-yl)methyl)acetamide	
TLC Catalogue Number:	M-7628	
CAS Number:	573983-93-4	
Alternate CAS Number:	N/A	
Molecular Weight:	246.27	
Molecular Formula:	C ₁₃ H ₁₄ N ₂ O ₃	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7368-058A3	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO	

Test Description	Specifications	Results
Visual Description	White to off-white 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%	100.0%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.1%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	99.9%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/08/2026
Approved by:	Quality Assurance		06/08/2026

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