

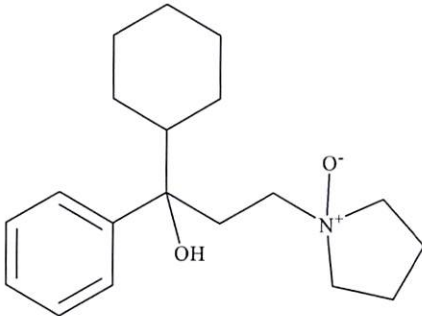
Certificate of Analysis

Certificate No.: **20260526001**


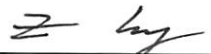
Date: May 26, 2026

Retest date: May 18, 2029

Compound Name: Procyclidine N-Oxide	
Synonyms:	1-(3-cyclohexyl-3-hydroxy-3-phenylpropyl)pyrrolidine 1-oxide
TLC Catalogue Number:	P-497003
CAS Number:	2724727-70-0
Alternate CAS Number:	N/A
Molecular Weight:	303.45
Molecular Formula:	C ₁₉ H ₂₉ NO ₂
Source:	TLC Pharmaceutical Standards
Source Lot No.:	7467-006A4
Storage Conditions:	Hygroscopic, store at 2-8 °C
Solubility:	Methanol, DMSO, Ethanol



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%	99.4%
Impurity (HPLC)	RT 0.83, 0.40%; RT 1.06, 0.16%	
Residual Solvents (NMR)	1.5% acetonitrile	
Assay (qNMR)	Not less than 90.0%	97.3%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		05/26/2026
Approved by:	Quality Assurance		05/26/2026

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