

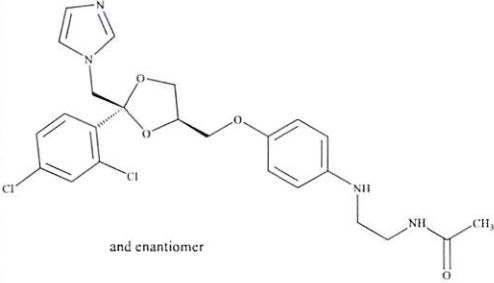
Certificate of Analysis

Certificate No.: **20250826506**

Date: August 26, 2025



Retest date: August 22, 2028

Compound Name: Ketoconazole Metabolite (M10)	
Synonyms:	<i>rel-N</i> -(2-((4-(((2S,4R)-2-((1 <i>H</i> -imidazol-1-yl)methyl)-2-(2,4-dichlorophenyl)-1,3-dioxolan-4-yl)methoxy)phenyl)amino)ethyl)acetamide
TLC Catalogue Number:	K-0146
CAS Number:	1253852-50-4
Alternate CAS Number:	N/A
Molecular Weight:	505.40
Molecular Formula:	C ₂₄ H ₂₆ Cl ₂ N ₄ O ₄
Source:	TLC Pharmaceutical Standards
Source Lot No.:	4113-009A6
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO, Acetonitrile



and enantiomer

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%	99.8%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.2%
Residual Solvents (NMR)	0.1% ethyl acetate	
Assay (%)	Not less than 90.0%	99.5%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		08/26/2025
Approved by:	Quality Assurance		08/26/2025

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