

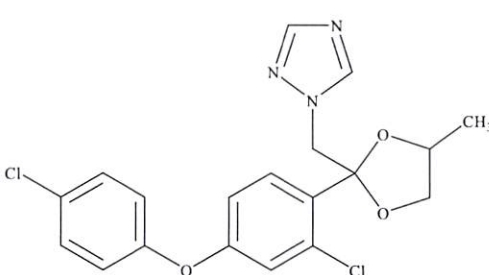
Certificate of Analysis

Certificate No.: **20250618011**



Date: June 18, 2025

Retest date: June 4, 2028

Compound Name: Difenoconazole (Mixture of Diastereomers)	
Synonyms:	1-((2-(2-chloro-4-(4-chlorophenoxy)phenyl)-4-methyl-1,3-dioxolan-2-yl)methyl)-1H-1,2,4-triazole
TLC Catalogue Number:	D-561
CAS Number:	119446-68-3
Alternate CAS Number:	N/A
Molecular Weight:	406.26
Molecular Formula:	C ₁₉ H ₁₇ Cl ₂ N ₃ O ₃
Source:	TLC Pharmaceutical Standards
Source Lot No.:	6894-054A1
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO, DMF, Acetonitrile



Test Description	Specifications	Results
Visual Description	Off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	98.6%
Impurity (HPLC)	RT 5.61, 0.50%; RT 5.97, 0.65%; RT 9.35, 0.25%	
Water Content (KF)	N/A	0.1%
Residue (TGA at 900 °C)	N/A	0.0%
Residual Solvents (NMR)	0.2% diethyl ether	
Assay (%)	Not less than 90.0%	98.3%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/19/2025
Approved by:	Quality Assurance		06/19/2025

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