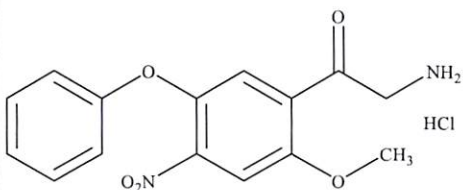


Certificate of Analysis



Certificate No.: 20251024502

Date: October 24, 2025

Retest date: October 20, 2028

Compound Name:	Iguratimod Impurity 48 HCl	
Synonyms:	2-amino-1-(2-methoxy-4-nitro-5-phenoxyphenyl)ethan-1-one, hydrochloride (1:1)	
TLC Catalogue Number:	I-092051	
CAS Number:	N/A	
Alternate CAS Number:	N/A	
Molecular Weight:	302.29 36.46	
Molecular Formula:	C ₁₅ H ₁₄ N ₂ O ₅ · HCl	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	C0243-081A2	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO	

Test Description	Specifications	Results
Visual Description	Yellow 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%	99.1%
Impurity (HPLC)	RT 7.06, 0.87%	
Water Content (KF)	N/A	6.6%
Residual Solvents (NMR)	0.1% acetone and 0.3% dioxane	
Assay (%)	Not less than 90.0%	92.2%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		10/24/2025
Approved by:	Quality Assurance		10/24/2025

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