

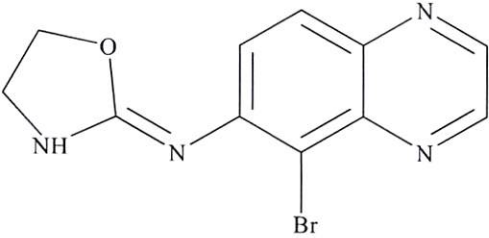
Certificate of Analysis

Certificate No.: **20250630014**



Date: June 30, 2025

Retest date: June 26, 2028

Compound Name: Brimonidine Impurity 31	
Synonyms:	(Z)-N-(5-bromoquinoxalin-6-yl)oxazolidin-2-imine
TLC Catalogue Number:	B-1655
CAS Number:	N/A
Alternate CAS Number:	N/A
Molecular Weight:	293.12
Molecular Formula:	C ₁₁ H ₉ BrN ₄ O
Source:	TLC Pharmaceutical Standards
Source Lot No.:	6898-050A5
Storage Conditions:	Store at 2-8 °C
Solubility:	DMSO, DMF



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%	99.7%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.2%
Residual Solvents (NMR)	0.1% methanol and 0.1% dichloromethane	
Assay (%)	Not less than 90.0%	99.3%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		07/02/2025
Approved by:	Quality Assurance		07/02/2025

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