

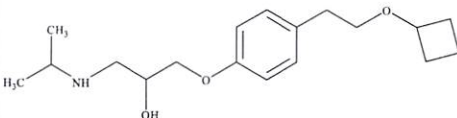
Certificate of Analysis

Certificate No.: **20260323008**



Date: March 23, 2026

Retest date: March 23, 2029

Compound Name: Betaxolol Impurity 2	
Synonyms:	1-(4-(2-cyclobutoxyethyl)phenoxy)-3-(isopropylamino)propan-2-ol
TLC Catalogue Number:	B-1410
CAS Number:	2490668-09-0
Alternate CAS Number:	2724510-56-7 (HCl salt)
Molecular Weight:	307.43
Molecular Formula:	C ₁₈ H ₂₉ NO ₃
Source:	TLC Pharmaceutical Standards
Source Lot No.:	4018-018A3
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO, Acetonitrile



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%	99.2%
Impurity (HPLC)	RT2.17, 0.76%	
Water Content (KF)	N/A	0.2%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	99.0%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		03/23/2026
Approved by:	Quality Assurance		03/23/2026

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