

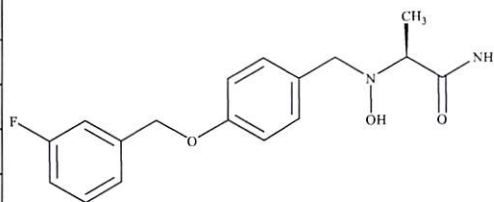
Certificate of Analysis

Certificate No.: **20230809017**



Date: August 9, 2023

Retest date: August 8, 2026

Compound Name: Safinamide Impurity 6	
Synonyms:	(S)-2-((4-((3-fluorobenzyl)oxy)benzyl)(hydroxy)amino)propanamide
TLC Catalogue Number:	S-073008
CAS Number:	N/A
Molecular Weight:	318.35
Molecular Formula:	C ₁₇ H ₁₉ FN ₂ O ₃
Source:	TLC Pharmaceutical Standards
Source Lot No.:	2068-036A2
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO



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%	98.0%
Impurity (HPLC)	RT 3.99, 1.07%; RT 6.21, 0.52%; RT 14.80, 0.18%	
Optical Rotation	N/A	[α] _D ^{25.0} (c=0.37, CH ₃ OH): +10.0°
Water Content (KF)	N/A	0.1%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	97.9%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		08/10/2023
Approved by:	Quality Assurance		08/10/2023

Attachments: HPLC, IR, MS and NMR spectra.