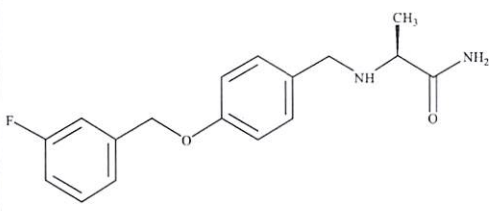


Certificate of Analysis



Certificate No.: **20250818501**

Date: August 18, 2025

Retest date: August 14, 2028

Compound Name:	Safinamide		
Synonyms:	(S)-2-(((4-((3-fluorobenzyl)oxy)benzyl)amino)propanamide		
TLC Catalogue Number:	S-073001		
CAS Number:	133865-89-1		
Alternate CAS Number:	202825-46-5 (Methanesulfonate salt)		
Molecular Weight:	302.35		
Molecular Formula:	C ₁₇ H ₁₉ FN ₂ O ₂		
Source:	TLC Pharmaceutical Standards		
Source Lot No.:	1827-060A1		
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
¹H NMR	Conforms to structure	Conforms
Elemental Analysis	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.8%
Impurity (HPLC)	RT 7.53, 0.15%	
Purity (Chiral HPLC)	Not less than 98.0%	100.0%
Water Content (KF)	N/A	0.0%
Optical Rotation	[α] _D ^{22.0} (c=1.55, CHCl ₃): +3.9°	[α] _D ^{25.0} (c=0.36, CHCl ₃): +7.5°
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	99.8%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		08/18/2025
Approved by:	Quality Assurance		08/18/2025

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