CERTIFICATE OF ANALYSIS

(Certificate No. KML008020-01)

Release Date: 19/09/2025 **Re-test Date:** 18/09/2028

Lacosamide EP Impurity H

Identification

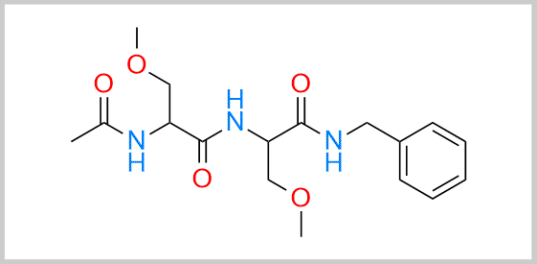
Chemical Name :
(2E)-2-acetamido-N-[(2E)-1-(benzylamino)-3-methoxy-1-oxopropan-2-yl]-3-methoxypropanamide

CAT No. : KML008020

CAS No. : 1375090-19-9

Molecular Formula : C17H25N3O5

Molecular Weight : 351.4



Analytical Information

Batch No.	: L008020-102-288	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 99.43 %	**IR**	: Confirm
Weight Loss By TGA	: 0.60 %	**1H NMR**	: Confirm
% Potency	: 98.83 %	**13C NMR**	: Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.60(Weight Loss By TGA)] x [99.43(HPLC Purity)]/100 = 98.83 %
-Mixture of isomer

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		14/10/2025
Reviewed & Approved By	Quality Control	Jatin Patel		14/10/2025

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA