

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 :

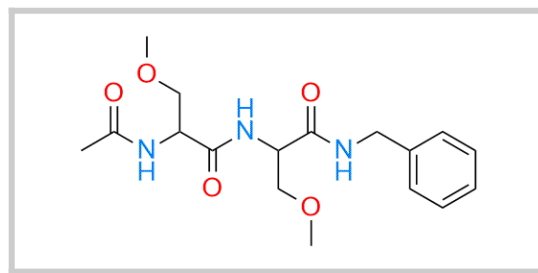
(2E)-2-acetamido-N-[(2E)-1-(benzylamino)-3-methoxy-1-oxopropan-2-yl]-3-methoxypropanamide

CAT No. : KML008020

CAS No. : 1375090-19-9

Molecular Formula : C₁₇H₂₅N₃O₅

Molecular Weight : 351.4



Analytical Information

Batch No. : L008020-102-288

Description : Off White Solid

HPLC Purity : 99.43 %

Weight Loss By TGA : 0.60 %

% Potency : 98.83 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

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