

CERTIFICATE OF ANALYSIS

(Certificate No. KML008002-01)

Release Date: 30/04/2025

Re-test Date: 29/04/2028

Lacosamide Related Compound B

Identification

Chemical Name :

2-acetamido-3-(benzylamino)-3-oxopropyl acetate

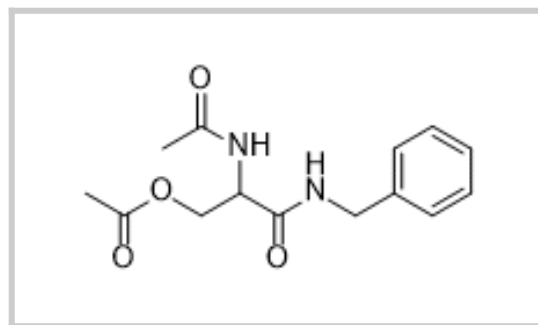
Alt. Name : Lacosamide USP Related Compound B , Lacosamide EP Impurity B

CAT No. : KML008002

CAS No. : 1822463-67-1

Molecular Formula : C₁₄H₁₈N₂O₄

Molecular Weight : 278.30



Analytical Information

Batch No. : LAC-RC-B-030-075

Solubility : Acetonitrile

Description : Off White solid

Mass : Confirm

HPLC Purity : 98.79 %

IR : Confirm

Weight Loss By TGA : 3.92 %

¹H NMR : Confirm

% Potency : 94.92 %

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 - 3.92(Weight Loss By TGA)] x [98.79(HPLC Purity)]/100 = 94.92 %

-Re-tested on 30.04.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		03/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		03/05/2025

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