

CERTIFICATE OF ANALYSIS

(Certificate No. KML008002-01)

Release Date: 19/04/2022

Re-test Date: 18/04/2025

Lacosamide Related Compound B

Identification

Chemical Name :

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

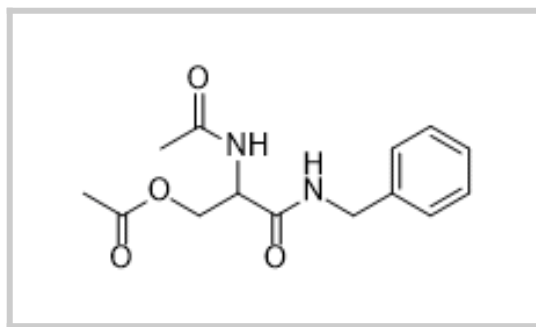
Alt. Name : Lacosamide USP Related Compound B , Lacosamide EP Impurity B

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 : ACN

Description : Off White solid

Mass : Confirm

HPLC Purity : 99.78 %

IR : Confirm

Weight Loss By TGA : 3.50 %

¹H NMR : Confirm

% Potency : 96.29 %

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 = $[100 - 3.50(\text{Weight Loss By TGA})] \times [99.78(\text{HPLC Purity})]/100 = 96.29 \%$

Remarks : COA Re-generated on 19.03.2023

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/03/2024
Reviewed & Approved By	Quality Control	Jatin Patel		19/03/2024

Attachments : COA, HPLC, MASS, ¹H NMR, ¹³C NMR, IR and TGA