

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.

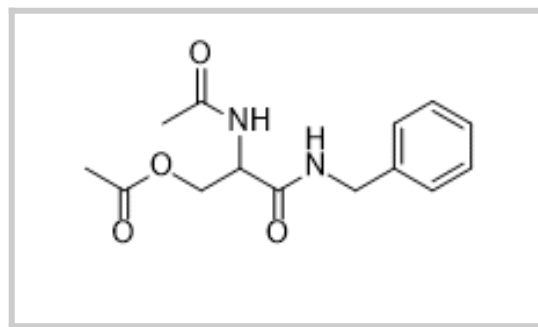
: 1822463-67-1

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

: 96.28 %

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

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, ¹HNMR, ¹³CNMR, IR and TGA