

CERTIFICATE OF ANALYSIS

(Certificate No. KML008012-01)

Release Date: 19/09/2025

Re-test Date: 18/09/2028

Lacosamide EP Impurity C

Identification

Chemical Name :

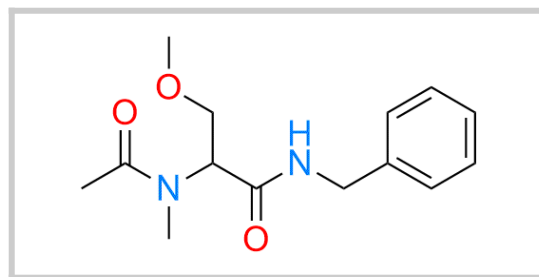
(2E)-N-benzyl-3-methoxy-2-(N-methylacetamido)propanamide

CAT No. : KML008012

CAS No. : Not Available

Molecular Formula : C₁₄H₂₀N₂O₃

Molecular Weight : 264.3



Analytical Information

Batch No. : LAC-EP-IMP-C-019-097

Description : Yellow Syrup

HPLC Purity : 95.30 %

Weight Loss By TGA : 0.72 %

% Potency : 94.61 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H 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 - 0.72(Weight Loss By TGA)] x [95.30(HPLC Purity)]/100 = 94.61 %

-Re-tested on 19.09.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/09/2025
Reviewed & Approved By	Quality Control	Jatin Patel		19/09/2025

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