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:

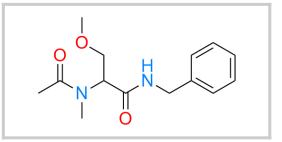
(2E)-N-benzyl-3-methoxy-2-(N-methylacetamido)propanamide

CAT No. : KML008012

CAS No. : Not Available

Molecular Formula : C14H20N2O3

Molecular Weight : 264.3



Analytical Information

Description: Yellow SyrupMass: ConfirmHPLC Purity: 95.30 %IR: ConfirmWeight Loss By TGA: 0.72 %1H NMR: Confirm

% Potency : 94.61 % **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 - 0.72(Weight Loss By TGA)] x [95.30(HPLC Purity)]/100 = 94.61 %

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