

# CERTIFICATE OF ANALYSIS

(Certificate No. KML008014-01)

Release Date: 05/09/2024

Re-test Date: 04/09/2027

## LACOSAMIDE EP IMPURITY D (R-ISOMER)

### Identification

**Chemical Name :**

(2R)-2-Amino-3-methoxy-N-(phenylmethyl)-propanamide

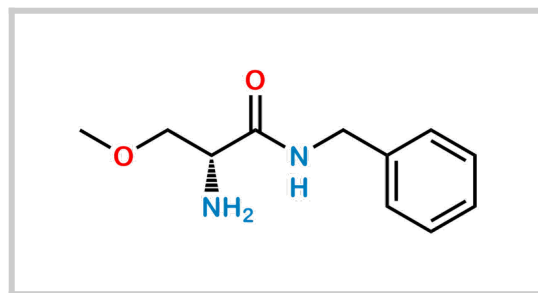
**Alt. Name** : Lacosamide N-Desacetyl Impurity

**CAT No.** : KML008014

**CAS No.** : 196601-69-1

**Molecular Formula** : C<sub>11</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight** : 208.3



### Analytical Information

**Batch No.** : L008014-073-365

**Solubility** : Acetonitrile

**Description** : Light Yellow Thick Syrup

**Mass** : Confirm

**HPLC Purity** : 99.94 %

**IR** : Confirm

**Weight Loss By TGA** : 1.56 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 98.38 %

### 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 - 1.56(Weight Loss By TGA)] x [99.94(HPLC Purity)]/100 = 98.38 %

**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, <sup>1</sup>HNMR, IR and TGA