

# CERTIFICATE OF ANALYSIS

(Certificate No. KML008058-01)

Release Date: 02/09/2024

Re-test Date: 01/09/2027

## N-BOC AMINO LACOSAMIDE

### Identification

**Chemical Name :**

(R)-2-(tert-butoxycarbonylamino-N-benzyl-3-methoxy propionamide; Tert-butyl (R)-(1-(benzylamino)-3-methoxy-1-oxopropan-2-yl)carbamate

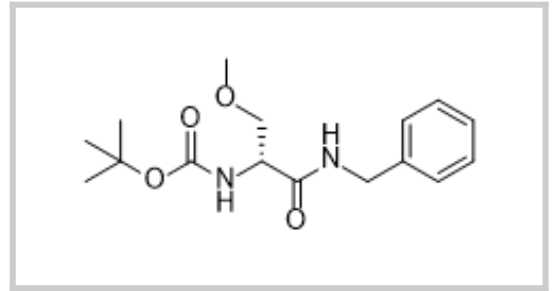
**Alt. Name** : Lacosamide Impurity 23

**CAT No.** : KML008058

**CAS No.** : 880468-89-3

**Molecular Formula** : C<sub>16</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>

**Molecular Weight** : 308.4



### Analytical Information

**Batch No.** : L008058-073-360

**Description** : Off white solid

**HPLC Purity** : 98.02 %

**Weight Loss By TGA** : 2.72 %

**% Potency** : 95.35 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 2.72(Weight Loss By TGA)] x [98.02(HPLC Purity)]/100 = 95.35 %

**Recommendation** : Released

|                                   | Department      | Name          | Signature | Date       |
|-----------------------------------|-----------------|---------------|-----------|------------|
| <b>Prepared By</b>                | Analytical      | Jignesh Patel |           | 05/09/2024 |
| <b>Reviewed &amp; Approved By</b> | Quality Control | Jatin Patel   |           | 05/09/2024 |

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