

# CERTIFICATE OF ANALYSIS

(Certificate No. KML008003-01)

Release Date: 17/06/2024

Re-test Date: 16/06/2027

## Lacosamide Related Compound D (Oxalate Salt)

### Identification

**Chemical Name :**

2-amino-N-benzyl-3-methoxypropanamide oxalate

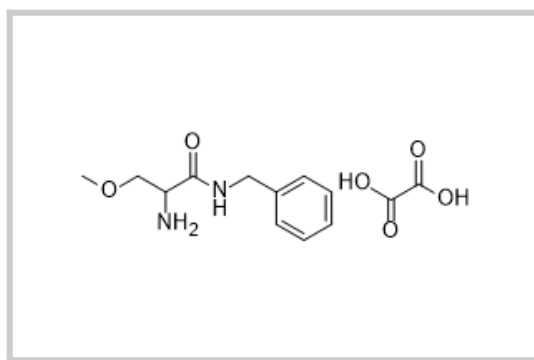
**Alt. Name** : Lacosamide Related Compound D  
(Oxalate Salt)

**CAT No.** : KML008003

**CAS No.** : 1379592-19-4(Oxalate salt),  
262845-82-9 (free base)

**Molecular Formula** : C<sub>11</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub> : C<sub>2</sub>H<sub>2</sub>O<sub>4</sub>

**Molecular Weight** : 208.26 : 90.0



### Analytical Information

**Batch No.** : LAC-RC-D-030-081

**Solubility** : ACN

**Description** : Off White Solid

**Mass** : Confirm

**HPLC Purity** : 97.52 %

**IR** : Confirm

**Weight Loss By TGA** : 2.80 %

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

**% Potency** : 94.79 %

**<sup>13</sup>C 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 - 2.80(Weight Loss By TGA)] x [97.52(HPLC Purity)]/100 = 94.79 %

Remarks : Re-tested on 17.06.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/06/2024
Reviewed & Approved By	Quality Control	Jatin Patel		18/06/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA