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## CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2024

Re-test Date: Nov 2027

**Product Name: Lacosamide USP Related Compound F**

### Identification:

Chemical Name: 2-Acetamido-N-benzyl-3-hydroxypropanamide (as per USP)

Synonyms : Lacosamide EP Impurity F

CAS Number : 171623-02-2

CAT Number : CP-L8012

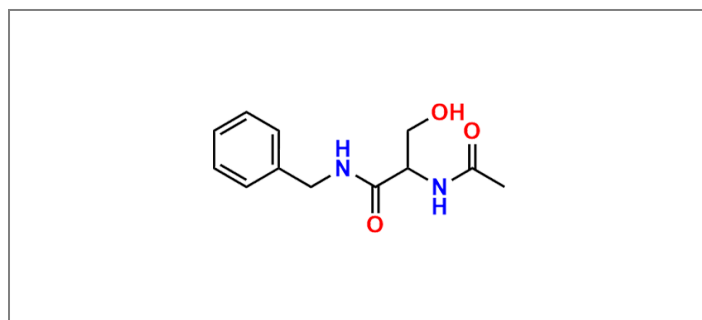
Molecular Formula : C<sub>12</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight : 236.27

Batch Number : CP-LAC-RCF-1224

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

| Sr. No. | Test           | Result                   |
|---------|----------------|--------------------------|
| 1)      | Description    | White Solid              |
| 2)      | Solubility     | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS   | Confirm to structure     |
| 4)      | Purity By HPLC | 99.91%                   |
| 5)      | H1NMR          | Confirm to structure     |
| 6)      | 13CNMR         | Confirm to Structure     |



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.