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## CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2023

Re-test Date: Jun 2026

**Product Name: Lacosamide EP Impurity E**

### Identification:

Chemical Name: (2R)-2-Amino-N-Benzyl-3-hydroxypropanamide

Synonyms : Lacosamide N-Desacetyl O-Desmethyl Impurity

CAS Number : 175481-39-7

CAT Number : CP-L8005

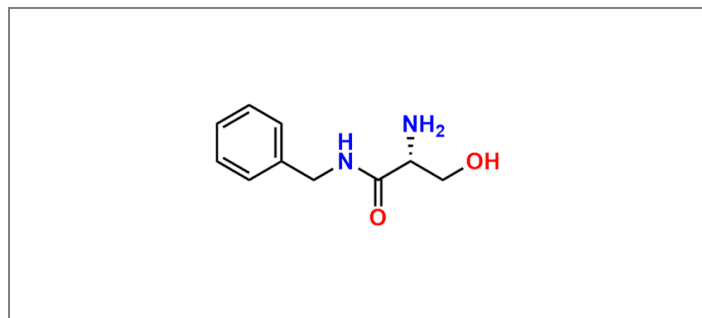
Molecular Formula : C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight : 194.23

Batch Number : CHEM-LAC-E-01

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 | 98.75%                   |
| 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.