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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2022

Re-test Date: Oct 2025

**Product Name: Lacosamide EP Impurity F**

### Identification:

Chemical Name: (R)-2-acetamido-N-benzyl-3-hydroxypropanamide

Synonyms : Lacosamide O-Desmethyl  
Impurity

CAS Number : 175481-38-6

CAT Number : CP-L8006

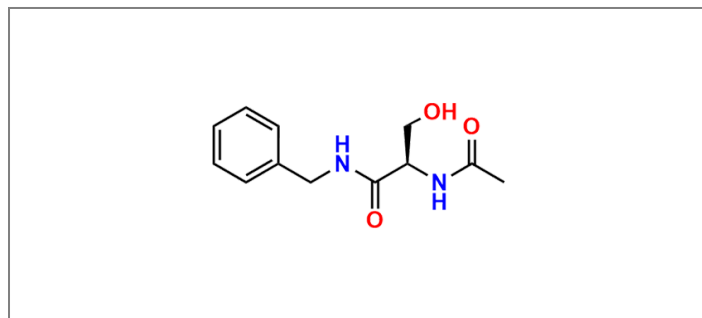
Molecular Formula : C<sub>12</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight : 236.27

Batch Number : CHEM-LAC-F

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	97.41%
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.