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## CERTIFICATE OF ANALYSIS

Analysis Date: May 2023

Re-test Date: Apr 2026

**Product Name: Lacosamide EP Impurity B**

### Identification:

Chemical Name: (2R)-2-(Acetylamino)-3-(acetyloxy)-N-(phenylmethyl)-propanamide

Synonyms : Lacosamide O-Acetyl Impurity

CAS Number : 1318777-54-6

CAT Number : CP-L8002

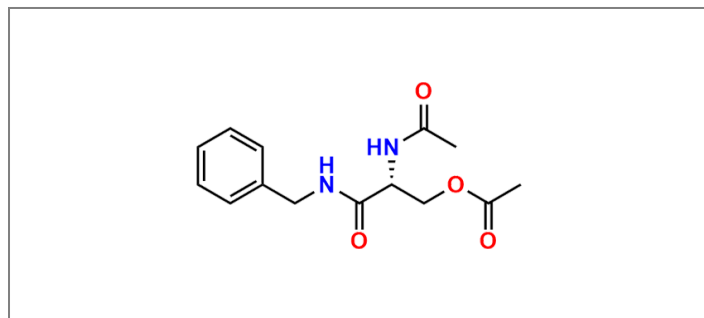
Molecular Formula : C<sub>14</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight : 278.31

Batch Number : CHEM-LAC-B

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	98.79%
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.