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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Amoxicillin EP Impurity D

Identification:

Chemical Name: (4S)-2-[[[(2R)-2-Amino-2-(4-hydroxyphenyl)acetyl]amino]carboxymethyl]-5,5-dimethylthiazolidine-4-carboxylic acid (as per EP)

Synonyms : Amoxicillin USP Related
Compound D ; Amoxicillin
Penicilloic Acid ; Amoxicillin
Open Ring Impurity

CAS Number : 1642629-94-4

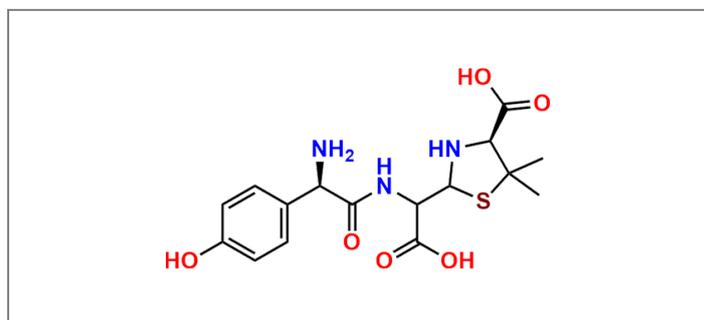
CAT Number : CP-A20004

Molecular Formula : C₁₆H₂₁N₃O₆S

Molecular Weight : 383.42

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	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	¹ HNMR	Confirm to structure
6)	Weight loss by TGA	-
7)	Potency by TGA	-



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

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