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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Amoxicillin EP Impurity C**

### Identification:

Chemical Name: (4S)-2-[5-(4-Hydroxyphenyl)-3,6-dioxopiperazin-2-yl]-5,5-dimethylthiazolidine-4-carboxylic acid (As per EP and USP)

Synonyms : Amoxicillin USP Related  
Compound C ; Amoxicillin  
Diketopiperazine

CAS Number : 2088961-37-7

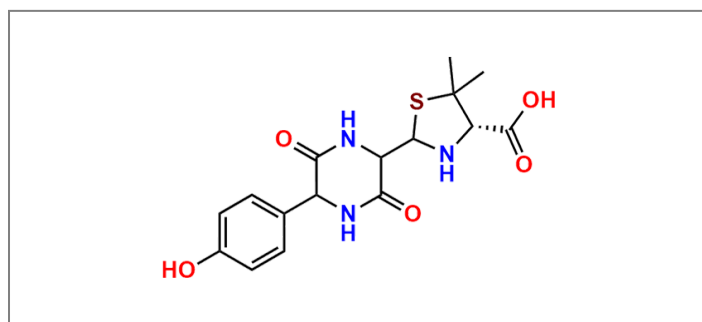
CAT Number : CP-A20003

Molecular Formula : C<sub>16</sub>H<sub>19</sub>N<sub>3</sub>O<sub>5</sub>S

Molecular Weight : 365.40

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)	<sup>1</sup> HNMR	Confirm to structure



**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.