



CERTIFICATE OF ANALYSIS

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1. Identification

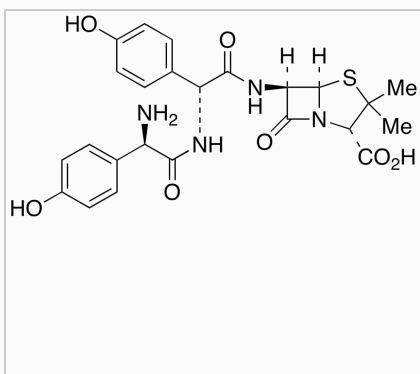
Catalogue Number: H950855

CAS Number: 188112-75-6

Product: p-Hydroxy-(D)-phenylglycyl
Amoxicillin, >85%

Synonym: (2R)-(2R)-2-(4-hydroxyphenyl)glycyl-N-
[(2S,5R,6R)-2-carboxy-3,3-dimethyl-7-oxo-4-
thia-1-azabicyclo[3.2.0]hept-6-yl]-2-(4-
hydroxyphenyl)glycinamide; Amoxicillin EP
Impurity G ; Amoxicillin USP Related
Compound G

Structure:



Molecular Formula:

C₂₄H₂₆N₄O₇S

Molecular weight:

514.55

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol
(Slightly), Water (Slightly)

Lot Number: 14-JES-143-3

Purity: >85%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|--------------------|--------------------------|-------------------------------|
| Appearance | White to Pale Pink Solid | White Solid |
| NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 51.05, %H: 5.22, %N: 9.97 |
| HPLC Purity | Report Result | 86.38% (200 nm) |
| MS | Conforms to Structure | Conforms |
| Water Content | Report Result | 8.1% by Karl Fischer |
| Specific Rotation | Report Result | +132.0° (c = 0.1, Water) |

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

| Reviewed By | Reviewed By | C of A Approved By | Test Date | Retest Date |
|------------------|---------------|--------------------|-----------|-------------|
| Meenakshi Sharma | Toni Rantanen | Chanell Chu | 9/17/2021 | 9/15/2025 |