

Product: N-Piperacillinyl Ampicillin

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number: P479960 CAS Number: 65772-67-0

Synonym: [2S-[2α[S*(2R*,5S*,6S*)],5α,6β(S*)]]-6-[[[[[6-

[[[[(4-Ethyl-2,3-dioxo-1-

piperazinyl)carbonyl]amino]phenylacetyl]amino]-

3,3-dimethyl-7-oxo-4-thia-1-

azabicyclo[3.2.0]hept-2-yl]carbonyl]amino]phenylacetyl]amino]-3,3-

dimethyl-7-oxo-4-thia-1-

azabicyclo[3.2.0]heptane-2-carboxylic Acid; Piperacillinylampicillin; Piperacillin EP Impurity

D;

Structure:

Molecular Formula:

C39H44N8O10S2

Molecular weight:

848.94

Source of Product:

Synthetic **Solubility:**

DMSO (Slightly), Methanol

(Slightly)

Purity: 95%

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

2-VSB-38-1

Storage Condition: -20°C

2. Warning

Lot

Number:

Warning 1: Not Determined Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance White to Pale Beige Solid Off-White to Pale Beige Solid

NMR Conforms to Structure Conforms
MS Conforms to Structure Conforms

Additional Information: NA

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 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 ByReviewed ByC of A Approved ByTest DateRetest DateEric BeatonNeha KhannaClarissa Santos3/20/20193/18/2026

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