



CERTIFICATE OF ANALYSIS

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1. Identification

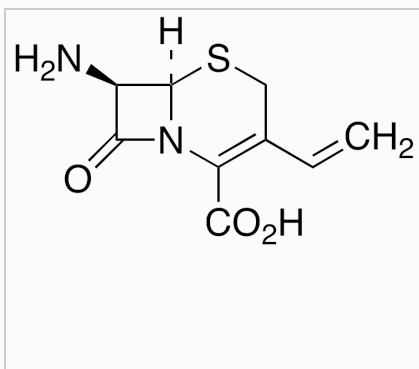
Catalogue Number: A632600

CAS Number: 79349-82-9

Product: 7-Amino-3-vinyl-3-cephem-4-carboxylic Acid

Synonym: (6R,7R)-7-Amino-3-ethenyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic Acid; (6R-trans)-7-Amino-3-ethenyl-8-oxo-5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic Acid; 7-AVCA;

Structure:



Molecular Formula:

C₉H₁₀N₂O₃S

Molecular weight:

226.25

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly),
DMSO (Slightly)

Lot Number: 9-GHZ-72-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	Off-White to Pale Yellow Solid
Specific Rotation	Report Result	-24.4° (c = 0.5, 1N NaOH)
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 47.77, %H: 4.40, %N: 12.04
MS	Conforms to Structure	Conforms

Additional Information:

TLC Conditions: C18; Acetonitrile : Methanol : Ammonium Hydroxide = 7 : 3 : 0.2; Visualized with UV and KMnO₄; R_f = 0.60. Elemental Analysis: (Theoretical) %C: 47.78, %H: 4.45, %N: 12.38

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
Neha Khanna	Eric Beaton	My Nguyen	11/7/2019	11/5/2026