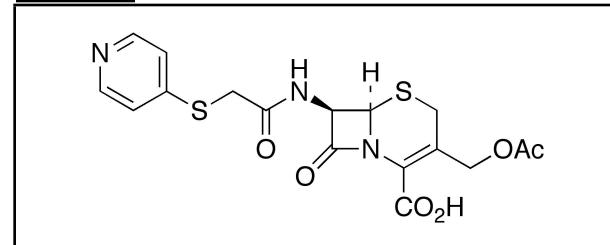


CERTIFICATE OF ANALYSIS**1. Identification**

Catalogue Number C261500 Lot Number 13-NZZ-26-2

Product Name
Cephapirin

StructureSynonyms

(6R,7R)-3-[(Acetoxyloxy)methyl]-8-oxo-7-[(4-pyridinylthio)acetyl]amino]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic Acid; (6R-trans)-3-[(Acetoxyloxy)methyl]-8-oxo-7-[(4-pyridinylthio)acetyl]amino]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic Acid; 7-[2-(4-Pyridylthio)acetamido]cephalosporanic Acid; Cefapirin; Cefaprin; Cephapirine; Cephaprin;

CAS Number

21593-23-7

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC₁₇H₁₇N₃O₆S₂Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

423.46

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Beige Solid	Off-White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 46.53, %H: 4.26, %N: 9.71
HPLC Purity	>95%	95.01% (290 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+90.7° (c = 0.2, DMSO; 4 Hours)

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 $\pm 2\%$. 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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			8/2/2023	7/31/2027

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