

1. Identification

Catalogue Number

A618205

Lot Number

19-ABY-162-1

Product Name

7-Amino-3-[(1-methyl-5-tetrazolylthio)methyl]-3-cephem-4-carboxylic Acid

Synonyms

7-Amino-3-[[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic Acid; 7-AMTCA; (6R-trans)-7-Amino-3-[[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic Acid; 3-[(1-Methyltetrazol-5-ylthiomethyl)-7-amino-3-cephem-4-carboxylic Acid; 7-Amino-3-[[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-3-cephem-4-carboxylic Acid;

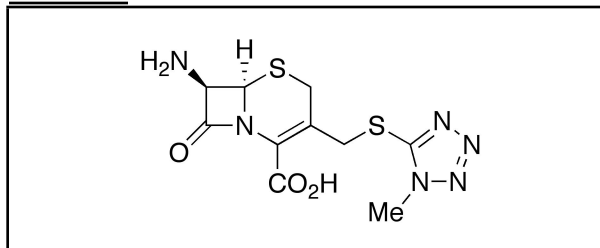
CAS Number

24209-38-9

Solubility

Aqueous Acid (Slightly), Aqueous Base (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₀H₁₂N₆O₃S₂

Source of Product

N/A

Long Term Storage Conditions

-20°C

Molecular Weight

328.37

Purity

98%

2. Warnings

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

Report Result

99.65% (275 nm)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

+17.7° (c = 0.1, 0.5N NaOH)

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



Nicole Yip

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Chanell Chu

Jr. Quality Assurance

Test Date

3/4/2023

Retest Date

3/2/2033