

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number: A618205 CAS Number: 24209-38-9

Synonym: 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;

carboxylic Acid

7-Amino-3-(1-methyl-5-

tetrazolylthio)methyl-3-cephem-4-

Structure:

Product:

Molecular Formula:

C₁₀H₁₂N₆O₃S₂ Molecular weight:

328.37

Source of Product:

N/A Solubility:

Aqueous Acid (Slightly), Aqueous Base (Slightly)

Lot Number: 19-ABY-162-1 Purity: 98%

Shipping This Product Is Stable To Be Condition: 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 Off-White Solid White to Off-White Solid

NMRConforms to StructureConformsMSConforms to StructureConforms

HPLC Purity Report Result 99.65% (275 nm)

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 \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 By Nicole Yip

Reviewed By Toni Rantanen

C of A Approved Ву Chanell Chu

Test Date 3/4/2023

Retest Date

3/2/2033