



CERTIFICATE OF ANALYSIS

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1. Identification

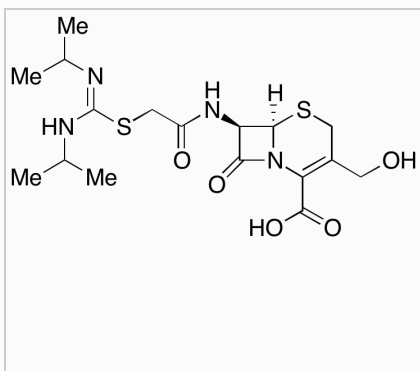
Catalogue Number: D288275

CAS Number: 958001-61-1

Product: Desacetyl Cefathiamidine

Synonym: (6R,7R)-3-(Hydroxymethyl)-7-[[[2-[[[(1-methylethyl)amino][(1-methylethyl)imino]methyl]thio]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic Acid

Structure:



Molecular Formula:

C₁₇H₂₆N₄O₅S₂

Molecular weight:

430.54

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 20-AKS-138-3

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 44.98, %H: 6.32, %N: 12.24
HPLC Purity	>95%	98.88% (260 nm)
MS	Conforms to Structure	Conforms
Water Content	Report Result	6.3% by Karl Fischer
Specific Rotation	Report Result	+157.7° (c = 0.2, Methanol)

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Meenakshi Sharma	Toni Rantanen	Chanell Chu	8/18/2021	8/16/2025