



CERTIFICATE OF ANALYSIS

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1. Identification

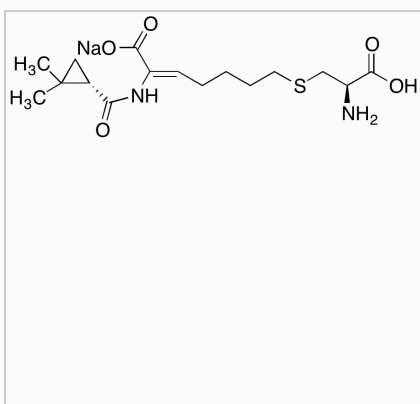
Catalogue Number: C441133

CAS Number: 81129-83-1

Product: Cilastatin Sodium

Synonym: Cilastatin Sodium Salt; L 642957; MK 791; [R-[R*,S*-(Z)]]-7-[(2-Amino-2-carboxyethyl)thio]-2-[[[2,2-dimethylcyclopropyl]carbonyl]amino]-2-heptenoic Acid Monosodium Salt; (2Z)-7-[[[(2R)-2-Amino-2-carboxyethyl]thio]-2-[[[(1S)-2,2-dimethylcyclopropyl]carbonyl]amino]-2-heptenoic Acid Sodium Salt (1:1)

Structure:



Molecular Formula:

C₁₆H₂₅N₂NaO₅S

Molecular weight:

380.43

Source of Product:

N/A

Solubility:

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

Lot Number: 2023-QIU-238

Purity: 98%

Shipping Condition: This Product Is Stable To Be 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 Pale Yellow Solid	White to Off-White Solid
Elemental Analysis	Conforms	%C: 49.47, %H: 7.15, %N: 6.78
HPLC Purity	Report Result	99.12% (240 nm)
MS	Conforms to Structure	Conforms
Sodium Content	Report Result	5.23% by Ion Chromatography
Specific Rotation	Report Result	-10.8° (c = 0.5, Water)
NMR	Conforms to Structure	Conforms

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



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

5/12/2023

Retest Date

5/10/2027