



CERTIFICATE OF ANALYSIS

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1. Identification

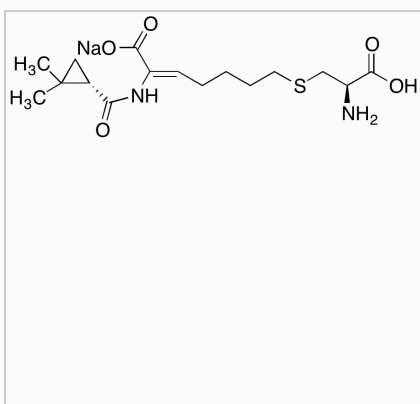
Catalogue Number: C441133

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: 18-SBL-165-1

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:
Elemental Analysis	Conforms	%C: 46.99, %H: 7.16, %N: 6.87
Water Content	Report Result	7.1% by Karl Fischer
Specific Rotation	Report Result	-11.0° (c = 0.5, Water)
Appearance	White to Pale Yellow Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Sodium Content	Report Result	5.57% by Ion Chromatography
HPLC Purity	Report Result	99.54% (235 nm)

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

Evan Burns

Evan Burns

Reviewed By

Toni Rantanen

Toni Rantanen

**C of A Approved
By**

Chanell Chu

Chanell Chu

Test Date

9/23/2021

Retest Date

9/21/2025