



## CERTIFICATE OF ANALYSIS

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### 1. Identification

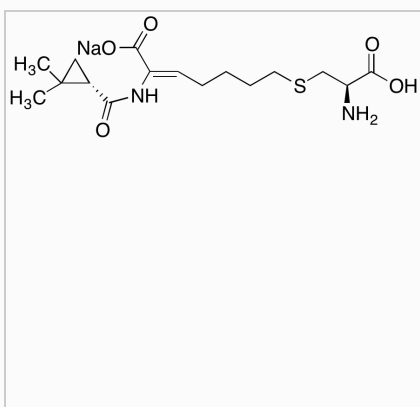
**Catalogue Number:** C441133

**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:**

C<sub>16</sub>H<sub>25</sub>N<sub>2</sub>NaO<sub>5</sub>S

**Molecular weight:**

380.43

**Source of Product:**

N/A

**Solubility:**

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

**Lot Number:** 2023-CPO-081

**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 Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 47.28, %H: 6.85, %N: 6.87
HPLC Purity	Report Result	99.51% (235 nm)
Sodium Content	Report Result	6.08% by Ion Chromatography
Specific Rotation	Report Result	-10.4° (c = 0.5, Water)
MS	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**

Christina Gouliaras



**Test Date**

4/3/2023

**Retest Date**

4/1/2027