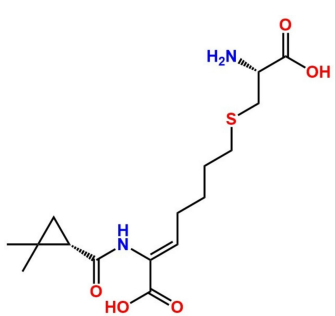


CERTIFICATE OF ANALYSIS

Date: 17-11-2024

Product Name	Cilastatin		
Chemical Name	(Z)-7-(((R)-2-amino-2-carboxyethyl)thio)-2-((S)-2,2-dimethylcyclopropane-1-carboxamido)hept-2-enoic acid		
Structure	 <p>The chemical structure of Cilastatin is shown. It features a 2,2-dimethylcyclopropane ring with a carboxamide group (-NH-C(=O)-) attached to one of the ring carbons. This amide group is linked to a hept-2-enoic acid chain at the 7-position. The chain includes a sulfur atom (S) at the 2-position, which is part of a thioether linkage. The amino group (-NH₂) and the carboxylic acid group (-COOH) are attached to the 1-position of the hept-2-enoic acid chain. The stereochemistry is (Z) at the double bond and (R) for the amino group and (S) for the cyclopropane ring.</p>		
Inv. Status	In Stock	CAS No.	82009-34-5
Analysis Date	-	Retest Date	-
Mol. Formula	C ₁₆ H ₂₆ N ₂ O ₅ S	Molecular Wt.	358.45
Long term Storage Condition	Store at 2-8 °C in well closed container		
Handling and Transit Condition	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
¹ H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.

	Prepared By	Checked By	Approved By
Signature			
Date			

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