Amdinocillin

Catalog No.C12031 Batch:C1203103

Product Datasheet

Technical Data

Formula	$C_{15}H_{23}N_3O_3S$					
Molecular Weight	325.43	**CAS No.**	32887-01-7			
Solubility (25°C)*	In vitro	DMSO	65 mg/mL (199.73 mM)			
		Water	65 mg/mL (199.73 mM)			
		Ethanol	65 mg/mL (199.73 mM)			
	In vivo (Add solvents to the product individually and in order)	Oral Administration	Homogeneous suspension	CMC-NA	≥5mg/ml	Taking the 1 mL working solution as an example, add 5 mg of this product to 1 ml of CMC-Na solution, mix evenly to obtain a homogeneous suspension with a final concentration of 5 mg/ml.

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Concentration \ Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.0729 mL	15.3643 mL	30.7286 mL
5 mM	0.6146 mL	3.0729 mL	6.1457 mL
10 mM	0.3073 mL	1.5364 mL	3.0729 mL
50 mM	0.0615 mL	0.3073 mL	0.6146 mL

Biological Activity

Description	Amdinocillin (Mecillinam, Coactin, FL 1060) is a β-lactam antibiotic with a broad spectrum of antibacterial activity. This compound is active alone against many gram-negative organisms.

References

https://pubmed.ncbi.nlm.nih.gov/3885172/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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