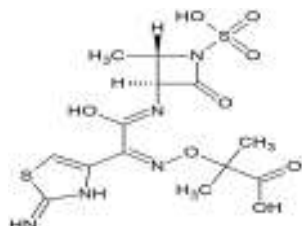


Aztreonam

ALTERNATE NAME: (Z)-2-(((2-Amino-4-thiazolyl)(((2S,3S)-2-methyl-4-oxo-1-sulfo-3-azetidiny)l)carbamoyl)methylene)amino)oxy)-2-methylpropionic acid 2-(((1Z)-1-(2-amino-1,3-thiazol-4-yl)-2-(((2S,3S)-2-methyl-4-oxo-1-sulfoazetidin-3-yl]amino)-2-oxoethylidene]amino)oxy)-2-methylpropanoic acid
Aztreonamum

CATALOG #: B2696-50 50 mg
B2696-250 250 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₃H₁₇N₅O₆S₂

MOLECULAR WEIGHT: 435.43

CAS NUMBER: 78110-38-0

APPEARANCE: White to off-white solid

PURITY: ≥97%

SOLUBILITY: >5 mg/ml DMSO

DESCRIPTION: Aztreonam is a monocyclic beta-lactam antibiotic originally isolated from *Chromobacterium violaceum*. It is resistant to beta-lactamases and is used in gram-negative infections, especially of the meninges, bladder, and kidneys. It increases survival in mice with systemic Gram-negative bacterial infections (ED50s = 0.1-24.7 mg/kg). Formulations containing aztreonam have been used in the treatment of *P. aeruginosa* infections in individuals with cystic fibrosis.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Ticarcillin Disodium (B1536)
Carbenicillin disodium (2485)
Ampicillin trihydrate (2483)
Ampicillin sodium (2484)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**