

Aztreonam White Crystalline Powder

Cat. No. CEGZ-6063

Lot. No. (See product label)

Introduction

Description

An aztreonam medical intermediate supplied as a white crystalline powder and described as a monobactam antibiotic active mainly against gram-negative bacteria.

Applications

The source description states that aztreonam is used primarily to treat infections caused by gram-negative bacteria and is used as an antibiotic and antimicrobial agent.

Synonyms

Aztreonam; monobactam antibiotic

Product Information

Appearance

White, odorless crystalline powder

Form

Crystalline powder

CAS No.

78110-38-0

Molecular Formula

$C_{13}H_{17}N_5O_8S_2$

Chemical Name

Aztreonam

Purity

Assay: 90.0%-105.0%; result 99.5%

Concentration

L-arginine content: 42%-45%; result 43.4%

Contaminants

Single impurities: $\leq 1.0\%$; result 0.34% Total impurities: $\leq 3.0\%$; result 1.25% Heavy metals: ≤ 30 ppm; conform Bacterial endotoxins: ≤ 0.17 EU/mg (aztreonam); conform Particulate matter $\geq 10 \mu m$: $\leq 2500/g$; result 1084 Particulate matter $\geq 25 \mu m$: $\leq 250/g$; result 67

Function

Antibiotic and antimicrobial agent

Endotoxin Level

Bacterial endotoxins: not more than 0.17 EU/mg (aztreonam); conform

Quality

Identification, color of solution, clarity of solution, residue on ignition, endotoxin, and sterility tests conform to the listed specifications.

Grade

Medicine Grade

Usage and Packaging

Package

10 kg/tin