

Aztreonam Crystalline API Powder

Cat. No. CEGZ-6080

Lot. No. (See product label)

Introduction

Description

Aztreonam is a medicine-grade monocyclic β -lactam antibiotic API supplied as a white, odorless crystalline powder.

Applications

The source description states that aztreonam is resistant to beta-lactamases and is used in gram-negative infections, especially of the meninges, bladder, and kidneys, and may cause superinfection with gram-positive organisms.

Synonyms

Aztreonam

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% 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% Water content: $\leq 2.0\%$; result 0.3% Residue of ignition: $\leq 0.1\%$; conform Heavy metals: ≤ 30 ppm; conform Bacterial endotoxins: ≤ 0.17 EU/mg aztreonam; conform Sterility test: sterile without germs in 14 days; conform Particulate matter $\geq 10 \mu m$: $\leq 2500/g$, result 1084 Particulate matter $\geq 25 \mu m$: $\leq 250/g$, result 67

Endotoxin Level

Not more than 0.17 EU/mg aztreonam; conform

Grade

Medicine Grade

Usage and Packaging

Package

10 kg/tin