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Product Datasheet

GA3583 - Cefotaxime sodium salt

Precautionary Codes

P285, P342+P311, P261, P304+P341

Pictograms

Product Details

Product Name Cefotaxime sodium salt

Glentham Code GA3583 **CAS Number** 64485-93-4 **EINECS** 264-915-9 MDL Number MFCD00079073 63527-52-6 (acid) Additional CAS

PubChem SID 310269492

Related Categories APIs, Antibiotics, Biochemicals,

Raw Materials (IVD),

Antimicrobials, Beta-Lactam

Antibiotics

Structure

Molecular Weight : 477.40

Molecular Formula $: C_{16}H_{16}N_5NaO_7S_2$

ĊH₂

Storage

Signal Word

Hazard Codes

Recommended storage temperature: +4°C.

Hazards and Transport

Not classified as dangerous for transport.

CLP Classification Skin Sens. 1, Resp. Sens.

> Danger H317, H334

Glentham Product Specification

Physical Description White, off-white or pale yellow

crystalline powder Identification According to USP

Clear, colourless to yellow Solubility (10% in:

water) solution

Absorbance 430nm: ≤ 0.20

Specific Optical 58 - 64 °

Rotation

pH (10% in : 4.5 - 6.5

water)

Loss on Drying : ≤ 3.0%

Individual impurities: ≤ 1.0%

Organic Impurities

Total impurities: ≤ 3.0%

Assay

916 - 964 μg/mg (C16H17N5O7S2, dried basis)

Pharmacopoeia

Specification(s)

USP

Version : v1.0

About Cefotaxime sodium salt

Cefotaxime sodium salt is a beta-lactamase resistant antibiotic of the cephalosporin class. The antibiotic works by binding to penicillin-binding proteins and consequently inhibits bacterial cell wall synthesis. It has broad-spectrum activity against gram-positive and gram-negative bacteria and is used to treat joint and respiratory tract infections. Cefotaxime has also been used to study antibiotic resistance. This product is the sodium salt of cefotaxime.

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