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## Product Datasheet

GA3583 - Cefotaxime sodium salt

P285, P342+P311, P261, P304+P341

**Pictograms** 

**Precautionary Codes** 

**Product Details** 

**Product Name** Cefotaxime sodium salt

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

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

Recommended storage temperature: +4°C.

## **Hazards and Transport**

Not classified as dangerous for transport.

**CLP Classification** Skin Sens. 1, Resp. Sens.

Signal Word Danger **Hazard Codes** 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

: 4.5 - 6.5

pH (10% in 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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