

## Product Datasheet

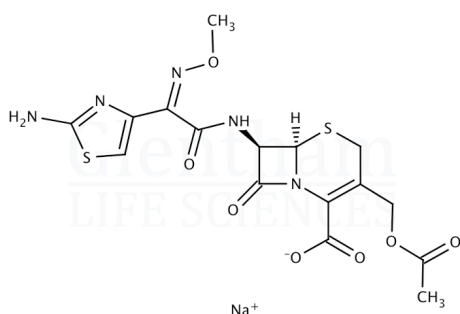
### GA3583 - Cefotaxime sodium salt

#### 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

#### Structure

Molecular Weight	: 477.40
Molecular Formula	: C <sub>16</sub> H <sub>16</sub> N <sub>5</sub> NaO <sub>7</sub> S <sub>2</sub>



#### Storage

Recommended storage temperature: +4°C.

#### Hazards and Transport

Not classified as dangerous for transport.

CLP Classification      Resp. Sens. 1, Skin Sens.  
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Signal Word              Danger

Hazard Codes            H317, H334

Precautionary Codes

P261, P285, P304+P341,  
P342+P311

Pictograms



#### Glentham Product Specification

Physical Description	: White, off-white or pale yellow crystalline powder
Identification	: According to USP
Solubility (10% in water)	: Clear, colourless to yellow solution
Absorbance	: 430nm: ≤ 0.20
Specific Optical Rotation	: 58 - 64 °
pH (10% in water)	: 4.5 - 6.5
Loss on Drying	: ≤ 3.0%
Organic Impurities	: Individual impurities: ≤ 1.0% : Total impurities: ≤ 3.0%
Assay	: 916 - 964 µg/mg (C <sub>16</sub> H <sub>17</sub> N <sub>5</sub> O <sub>7</sub> S <sub>2</sub> , 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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