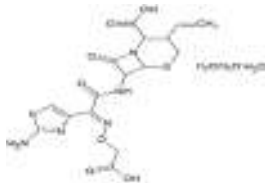


Cefixime Trihydrate

ALTERNATE NAME: (6R,7R)-7-[[[(2Z)-2-(2-amino-1,3-thiazol-4-yl)-2-(carboxymethoxyimino)acetyl]amino]-3-ethenyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid;trihydrate

CATALOG #: B3402-1G 1 g
B3402-5G 5 g

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₅N₅O₇S₂

MOLECULAR WEIGHT: 453.45

CAS NUMBER: 79350-37-1

APPEARANCE: White to light yellow solid

PURITY: ≥95% by HPLC

SOLUBILITY: 30 mg/ml DMSO

DESCRIPTION: Cefixime trihydrate is a broad-spectrum, third-generation cephalosporin antibiotic. As does penicillin, cefixime inhibits bacterial cell wall synthesis by disrupting peptidoglycan synthesis, resulting in a reduction in bacterial cell wall stability and bacterial cell lysis. Stable in the presence of a variety of beta-lactamases, this agent is more active against gram-negative bacteria and less active against gram-positive bacteria compared to second-generation cephalosporins.

STORAGE TEMPERATURE: -20°C. Protect from moisture

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Penicillin G sodium (2503)
Penicillin G potassium, USP (2504)
Cloxacillin sodium (B2687)
Penicillin G Potassium (B3131)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*