

Cefotaxime sodium salt

Cat. No. ANT-499

Lot. No. (See product label)

Product Name

Cefotaxime sodium salt

Product Overview

This product is plant cell culture tested. CAS NO.64485-93-4. Broad spectrum third generation cephalosporin antibiotic. This product is plant cell culture tested. It is typically used at 50-250 mg/L to enhance regeneration and shoot development (initiation and elongation).

Antigen Description

Description

Cefotaxim inhibits bacterial cell wall synthesis by binding to penicillin-binding proteins (PBPs) which inhibits the final transpeptidation step of peptidoglycan synthesis in bacterial cell walls. As a result, bacteria lyse due to cell wall autolytic enzymes.

Form

Powder

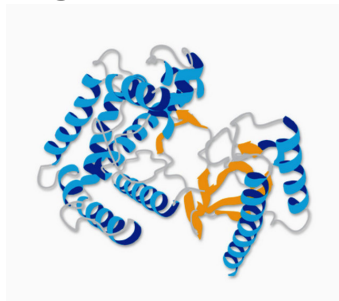
Molecular Mass

477.45

Synonyms

Cefotaxim sodium salt

Figure 1



Solubility

H₂O: soluble (aqueous solutions of pH 4.3-6.2 are stable up to 3 weeks at 2-8 centigrade.)

Molecular Formula

C₁₆H₁₆N₅O₇S₂ · Na.

Storage

Store at 2-8 centigrade.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY