Overview

Product name
Ceftriaxone disodium salt hemi(heptahydrate), beta-Lactam antibiotic

Description
β-Lactam antibiotic

Biological description

Purity
> 98%

CAS Number
104376-79-6

Chemical structure

![Chemical structure of Ceftriaxone disodium salt hemi(heptahydrate), beta-Lactam antibiotic](image)

Properties

Chemical name
(6R,7R)-7-[[2(Z)-2-(2-Amino-4-thiazolyl)-2-(methoxyimino)acetyl]amino]-8-oxo-3-[[1,2,5,6-tetrahydro-2-methyl-5,6-dioxo-1,2,4-triazin-3-yl]thio]methyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid disodium salt hemi(heptahydrate)

Molecular weight
661.59

Molecular formula
C\(_{18}\)H\(_{16}\)N\(_8\)Na\(_2\)O\(_7\)S\(_3\)·3.5H\(_2\)O

PubChem identifier
11614223

Storage instructions
Store at +4°C. The product can be stored for up to 12 months.

Solubility overview
Soluble in water to 100 mM

Handling
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES: O.O.O.O.O.O.O.Nc1scc(n1)C(=NOC)C(=O)N[C@@H]3C(=O)O[Na]=C(CSC2=NC(=O)(O[Na])=NN2C)CS[C@H]34.Nc1scc(n1)C(=NOC)C(=O)N[C@@H]3C(=O)O[Na]=C(CSC2=NC(=O)(O[Na])=NN2C)CS[C@H]34.Nc1scc(n1)C(=NOC)C(=O)N[C@@H]3C(=O)O[Na]=C(CSC2=NC(=O)(O[Na])=NN2C)CS[C@H]34.

Source: Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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