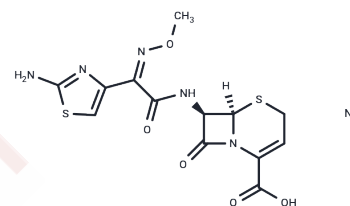


Ceftizoxime Sodium

Chemical Properties

CAS No. :	68401-82-1
Formula:	C ₁₃ H ₁₂ N ₅ NaO ₅ S ₂
Molecular Weight:	405.38
Storage:	Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ceftizoxime, a third-generation cephalosporin effective against Gram-negative and Gram-positive bacteria, binds penicillin-binding proteins (PBPs) to inhibit the bacterial cell wall synthesis. It rather resembles cefotaxime in its properties but is not subject to metabolism.
Targets(IC50)	Others,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: Soluble, H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4668 mL	12.3341 mL	24.6682 mL
5 mM	0.4934 mL	2.4668 mL	4.9336 mL
10 mM	0.2467 mL	1.2334 mL	2.4668 mL
50 mM	0.0493 mL	0.2467 mL	0.4934 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Türkeş C, Söyüt H, Beydemir Ş. Human serum paraoxonase-1 (hPON1): in vitro inhibition effects of moxifloxacin hydrochloride, levofloxacin hemihydrate, cefepime hydrochloride, cefotaxime sodium and ceftizoxime sodium. J Enzyme Inhib Med Chem. 2015;30(4):622-8. doi: 10.3109/14756366.2014.959511. Epub 2014 Dec 18. PubMed PMID: 25519764.

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