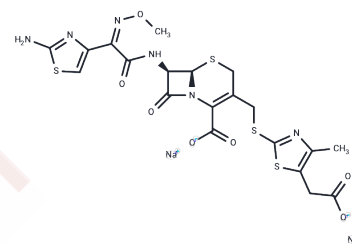


Cefodizime Sodium

Chemical Properties

CAS No. :	86329-79-5
Formula:	C ₂₀ H ₁₈ N ₆ Na ₂ O ₇ S ₄
Molecular Weight:	628.6
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Cefodizime Sodium is a third generation cephalosporin antibiotic, has broad-spectrum activity
Targets(IC50)	Antibacterial, Antibiotic
In vivo	A single dose of cefodizime 1 or 2 g is also useful in treating lower urinary tract infections, particularly uncomplicated infections, with a rate of clinical success of 72 to 88%.?Urogenital gonorrhoea, whether caused by beta-lactamase producing or non-beta-lactamase producing Neisseria gonorrhoeae, is very effectively treated by single dose therapy with intramuscular cefodizime 0.25 to 1 g (virtually 100% cured).? Preliminary data from a small number of patients indicate that cefodizime may also be useful in the treatment of otitis media, sinusitis and gynaecological infections, and for the prophylaxis or treatment of surgical infections[1]

Solubility Information

Solubility	DMSO: 250 mg/mL (397.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (6.36 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5908 mL	7.9542 mL	15.9084 mL
5 mM	0.3182 mL	1.5908 mL	3.1817 mL
10 mM	0.1591 mL	0.7954 mL	1.5908 mL
50 mM	0.0318 mL	0.1591 mL	0.3182 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

Henwood J M , Monk J P . Enoxacin. A review of its antibacterial activity, pharmacokinetic properties and therapeutic use.[J]. *drugs*, 1988, 40(3):373-447.

Hayashi T , Maruden A , Irimura K , et al. NEPHROTOXICITY OF CEFODIZIME SODIUM IN RATS : Single and 14-day repeated intravenous administration[J]. *The Journal of Toxicological Sciences*, 1988, 13(Supplement1):285-327.

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