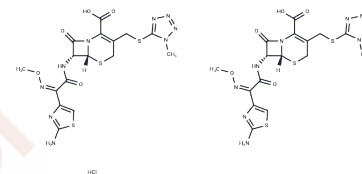


Cefmenoxime hydrochloride

Chemical Properties

CAS No. :	75738-58-8
Formula:	C ₃₂ H ₃₅ ClN ₁₈ O ₁₀ S ₆
Molecular Weight:	1059.58
Storage:	Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Cefmenoxime hydrochloride (Cefmenoxime hemihydrochloride) is a cephalosporin antibiotic that is administered intravenously or intramuscularly. It is active against most common gram-positive and gram-negative microorganisms, is a potent inhibitor of Enterobacteriaceae, and is highly resistant to hydrolysis by beta-lactamases. The drug has a high rate of efficacy in many types of infection and to date, no severe side effects have been noted.
Targets(IC50)	Antibacterial,Antibiotic,Antifection

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 125 mg/mL (117.97 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 10 mg/mL (9.44 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (9.44 mM),Solution. <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	0.9438 mL	4.7189 mL	9.4377 mL
5 mM	0.1888 mL	0.9438 mL	1.8875 mL
10 mM	0.0944 mL	0.4719 mL	0.9438 mL
50 mM	0.0189 mL	0.0944 mL	0.1888 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

Tsuchiya K, et al. Antimicrob Agents ChemOthers. 1981 Jan;19(1):56-65.

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