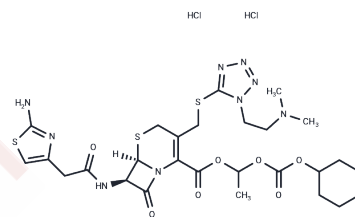


Cefotiam Hexetil Hydrochloride

Chemical Properties

CAS No. :	95789-30-3
Formula:	C ₂₇ H ₃₇ N ₉ O ₇ S ₃ .2ClH
Molecular Weight:	768.77
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	Cefotiam Hexetil Hydrochloride is a third-generation, semi-synthetic, beta-lactam cephalosporin antibiotic with antibacterial activity.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	DMSO: 55 mg/mL (71.54 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: 2 mg/mL (2.6 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	1.3008 mL	6.5039 mL	13.0078 mL
5 mM	0.2602 mL	1.3008 mL	2.6016 mL
10 mM	0.1301 mL	0.6504 mL	1.3008 mL
50 mM	0.026 mL	0.1301 mL	0.2602 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

Matsuda K, et al. Antimicrob Agents ChemOthers. 1995 Dec;39(12):2631-4.

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