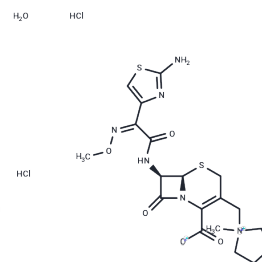


Cefepime Dihydrochloride Monohydrate

Chemical Properties

CAS No. :	123171-59-5
Formula:	C ₁₉ H ₂₄ N ₆ O ₅ S ₂ ·2HCl·H ₂ O
Molecular Weight:	571.5
Storage:	Store under nitrogen, Keep away from direct sunlight 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	Cefepime Dihydrochloride Monohydrate (Cefepime HCl) is the hydrochloride salt of a semi-synthetic, beta-lactamase-resistant, fourth-generation cephalosporin antibiotic derived from an Acremonium fungal species with broad-spectrum bactericidal activity.
Targets(IC50)	Antibacterial, Antibiotic, Antifection

Solubility Information

Solubility	DMSO: 247.5 mg/mL (433.07 mM), Sonication is recommended. H ₂ O: 100 mg/mL (174.98 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (17.5 mM), Suspension. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (5.77 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	1.7498 mL	8.7489 mL	17.4978 mL
5 mM	0.350 mL	1.7498 mL	3.4996 mL
10 mM	0.175 mL	0.8749 mL	1.7498 mL
50 mM	0.035 mL	0.175 mL	0.350 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

Grassi GG, Grassi C. J Antimicrob ChemOthers. 1993 Nov;32 Suppl B:87-94.

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