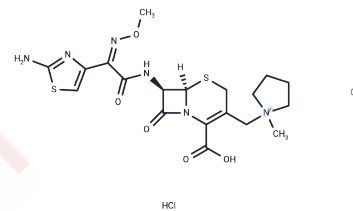


Cefepime dihydrochloride

Chemical Properties

CAS No. : 107648-80-6
 Formula: C₁₉H₂₆Cl₂N₆O₅S₂
 Molecular Weight: 553.48
 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	Cefepime dihydrochloride, a broad-spectrum fourth-generation cephalosporin, binds and inactivates penicillin-binding proteins (PBPs) located on the inner membrane of the bacterial cell wall.
Targets(IC50)	Others,Antibacterial,Antibiotic

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.8068 mL	9.0338 mL	18.0675 mL
5 mM	0.3614 mL	1.8068 mL	3.6135 mL
10 mM	0.1807 mL	0.9034 mL	1.8068 mL
50 mM	0.0361 mL	0.1807 mL	0.3614 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

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Jiang X, Zhang Z, Li M, Zhou D, Ruan F, Lu Y. Detection of extended-spectrum beta-lactamases in clinical isolates of *Pseudomonas aeruginosa*. *Antimicrob Agents Chemother.* 2006 Sep;50(9):2990-5. PubMed PMID: 16940093; PubMed Central PMCID: PMC1563526.

Zhao L, Guo JF, Zhang AJ, Zhao YM. [Rapid identification of the isomeric impurity in raw drug of cefepime dihydrochloride by liquid chromatography-tandem mass spectrometry]. *Yao Xue Xue Bao.* 2005 Apr;40(4):361-4. Chinese. PubMed PMID: 16011268.

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