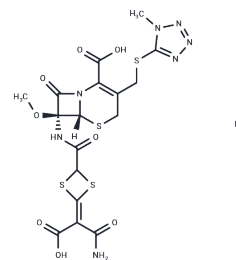


Cefotetan disodium

Chemical Properties

CAS No. :	74356-00-6
Formula:	C ₁₇ H ₁₅ N ₇ Na ₂ O ₈ S ₄
Molecular Weight:	619.57
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	Cefotetan Sodium, a second-generation cephalosporin, cephamycin antibiotic, is active against a wide range of both aerobic and anaerobic gram-negative and gram-positive bacteria. Cefotetan disrupts the cell wall synthesis by binding to penicillin-binding proteins.
Targets(IC50)	Others,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: Soluble, H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.614 mL	8.0701 mL	16.1402 mL
5 mM	0.3228 mL	1.614 mL	3.228 mL
10 mM	0.1614 mL	0.807 mL	1.614 mL
50 mM	0.0323 mL	0.1614 mL	0.3228 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

Nam YH, Hwang EK, Ban GY, Jin HJ, Yoo HS, Shin YS, Ye YM, Nahm DH, Park HS, Lee SK. Immunologic evaluation of patients with cefotetan-induced anaphylaxis. *Allergy Asthma Immunol Res.* 2015 May;7(3):301-3. doi: 10.4168/aair.2015.7.3.301. PubMed PMID: 25749763; PubMed Central PMCID: PMC4397372.

Liu Y, Huang J, Liu J, Ma L, Lv Y, Shi S. A simple and sensitive liquid chromatographic technique for the determination of cefotetan disodium in human plasma and its application in a pharmacokinetic study. *J Huazhong Univ Sci Technolog Med Sci.* 2012 Oct;32(5):779-84. doi: 10.1007/s11596-012-1034-2. PubMed PMID: 23073813.

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