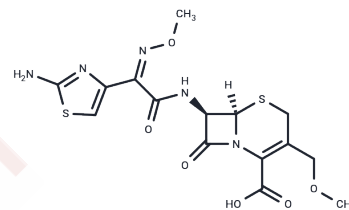


Cefpodoxime (free acid)

Chemical Properties

CAS No. :	80210-62-4
Formula:	C ₁₅ H ₁₇ N ₅ O ₆ S ₂
Molecular Weight:	427.46
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Cefpodoxime (free acid) is an oral, third-generation cephalosporin antibiotic. It is active against most Gram-positive and Gram-negative organisms, except <i>Pseudomonas aeruginosa</i> , <i>Enterococcus</i> , and <i>Bacteroides fragilis</i> .
Targets(IC50)	Others,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 122.5 mg/mL (286.58 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 (23.39 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	2.3394 mL	11.697 mL	23.394 mL
5 mM	0.4679 mL	2.3394 mL	4.6788 mL
10 mM	0.2339 mL	1.1697 mL	2.3394 mL
50 mM	0.0468 mL	0.2339 mL	0.4679 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

Mostafa GAE, Al-Otaibi YH, Al-Badr AA. Cefpodoxime proxetil. Profiles Drug Subst Excip Relat Methodol. 2019;44:1-16

Chocas EC, et al. Cefpodoxime proxetil: a new, broad-spectrum, oral cephalosporin. Ann Pharmacother. 1993 Nov; 27(11):1369-77.

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