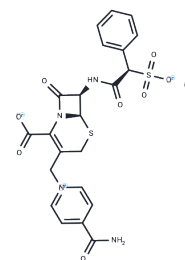


Cefsulodin sodium

Chemical Properties

CAS No. :	52152-93-9
Formula:	C ₂₂ H ₁₉ N ₄ NaO ₈ S ₂
Molecular Weight:	554.52
Storage:	Store at low temperature, Store under nitrogen 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	Cefsulodin sodium (Sulcephalosporin) hydrate is a β lactam antibiotic.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	DMSO: 55 mg/mL (99.18 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 (3.61 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	1.8034 mL	9.0168 mL	18.0336 mL
5 mM	0.3607 mL	1.8034 mL	3.6067 mL
10 mM	0.1803 mL	0.9017 mL	1.8034 mL
50 mM	0.0361 mL	0.1803 mL	0.3607 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

Sarkar SK, et al. PLoS One. 2012;7(11):e48598.

Tang Y, Song H, Wang Z, et al. Repurposing antiparasitic antimonials to noncovalently rescue temperature-sensitive p53 mutations. Cell Reports. 2022, 39(2): 110622

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