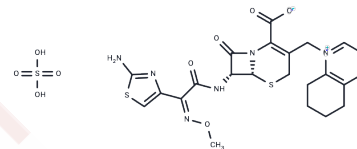


Cefquinome sulfate

Chemical Properties

CAS No. :	118443-89-3
Formula:	C ₂₃ H ₂₆ N ₆ O ₉ S ₃
Molecular Weight:	626.67
Storage:	Store under nitrogen, Store at low temperature 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	Cefquinome Sulfate is a semisynthetic, broad-spectrum, fourth-generation aminothiazolyl cephalosporin with antibacterial activity.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	DMSO: 55 mg/mL (87.77 mM), Sonication is recommended. Methanol: Slightly soluble, (< 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 (3.19 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	1.5957 mL	7.9787 mL	15.9574 mL
5 mM	0.3191 mL	1.5957 mL	3.1915 mL
10 mM	0.1596 mL	0.7979 mL	1.5957 mL
50 mM	0.0319 mL	0.1596 mL	0.3191 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

Böttner A,etal.In vitro efficacy of cefquinome (INN) and other anti-infective drugs against bovine bacterial isolates from Belgium, France, Germany, The Netherlands, and the United Kingdom.Zentralbl Veterinarmed B. 1995 Aug;42 (6):377-83.

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