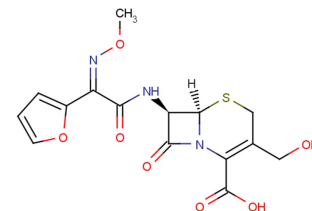


Descarbamoyl cefuroxime

Chemical Properties

CAS No.:	56271-94-4
Formula:	C ₁₅ H ₁₅ N ₃ O ₇ S
Molecular Weight:	381.36
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Descarbamoyl cefuroxime is also an intermediate in the synthesis of cephalosporin antibiotics. Decarbamyl cefuroxime is a degradation product of cefuroxime.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.622 mL	13.111 mL	26.222 mL
5 mM	0.524 mL	2.622 mL	5.244 mL
10 mM	0.262 mL	1.311 mL	2.622 mL
50 mM	0.052 mL	0.262 mL	0.524 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Vercheval C, et al. Stability of 90 mg/mL cefuroxime sodium solution for administration by continuous infusion. J Chemother. 2018 Oct - Dec;30(6-8):371-374.
2. Takaya T, et al. Studies on beta-lactam antibiotics. III. Synthesis and enzymatic stability of 3-acyloxymethyl-7 beta-[(Z)-2-(2-amino-4-thiazolyl)-2-(methoxyimino)acetamido]-3-cephem-4-carboxylic acids. J Antibiot (Tokyo). 1981 Oct;34(10):1300-10.

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