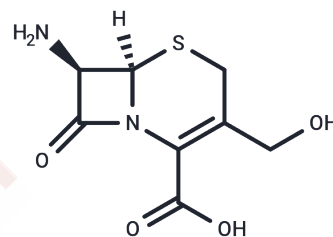


Deacetyl-7-aminocephalosporanic acid

Chemical Properties

CAS No. :	15690-38-7
Formula:	C ₈ H ₁₀ N ₂ O ₄ S
Molecular Weight:	230.24
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	Deacetyl-7-aminocephalosporanic acid serves as a crucial intermediate in the production of β -lactam broad-spectrum cephalosporin antibiotics, applicable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3433 mL	21.7165 mL	43.4329 mL
5 mM	0.8687 mL	4.3433 mL	8.6866 mL
10 mM	0.4343 mL	2.1716 mL	4.3433 mL
50 mM	0.0869 mL	0.4343 mL	0.8687 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

Takimoto A, et al. High-level expression, purification, and some properties of a recombinant cephalosporin-C deacetylase. J Biosci Bioeng. 1999;87(4):456-62.

Konecny J, et al. Kinetics and mechanism of acyl transfer by penicillin acylases. Biotechnol Bioeng. 1983 Feb;25(2):451-67.

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