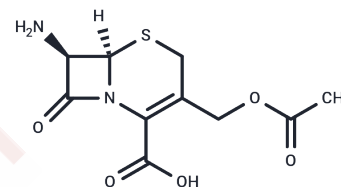


7-Aminocephalosporanic acid

Chemical Properties

CAS No. :	957-68-6
Formula:	C ₁₀ H ₁₂ N ₂ O ₅ S
Molecular Weight:	272.28
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	7-Aminocephalosporanic acid is an HSP90 β inhibitor used in the synthesis of cephalosporin antibiotics and their intermediates.
Targets(IC50)	HSP,Antibacterial,Antibiotic
In vitro	7-Aminocephalosporanic acid is the basic building block used in the synthesis of many important semisynthetic cephalosporin antibiotics. 7-Aminocephalosporanic acid commonly appears as a white or whitish powder, is an important intermediate for the manufacture of the semisynthetic cephalosporin. 7-Aminocephalosporanic acid is an amphoteric compound. [1]

Solubility Information

Solubility	DMSO: 2.73 mg/mL (10.03 mM),Sonication is recommended. H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6727 mL	18.3634 mL	36.7269 mL
5 mM	0.7345 mL	3.6727 mL	7.3454 mL
10 mM	0.3673 mL	1.8363 mL	3.6727 mL
50 mM	0.0735 mL	0.3673 mL	0.7345 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

Wang S, et al. Ind Eng Chem Res, 2005, 44 (10), 3783-3787

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