

Cephalosporin C analog-1 sodium

Chemical Properties

CAS No. :	30361-43-4
Formula:	C ₁₅ H ₁₅ N ₂ NaO ₆ S ₂
Molecular Weight:	406.4
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Cephalosporin Canalog-1 (sodium) is an analogue of Cephalosporin C, which demonstrates weak resistance against both Gram-positive and Gram-negative bacteria. It is stable to penicillinase and can be broken down by cephalosporinase. Hydrolysis removes the side chain to yield 7-amino-cefenoic acid (7-ACA), a crucial precursor for synthesizing semi-synthetic cephalosporins.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4606 mL	12.3031 mL	24.6063 mL
5 mM	0.4921 mL	2.4606 mL	4.9213 mL
10 mM	0.2461 mL	1.2303 mL	2.4606 mL
50 mM	0.0492 mL	0.2461 mL	0.4921 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.

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