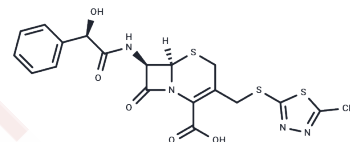


Cefcanel free acid

Chemical Properties

CAS No. :	41952-52-7
Formula:	C ₁₉ H ₁₈ N ₄ O ₅ S ₃
Molecular Weight:	478.57
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	Cefcanel is a semisynthetic third-generation cephalosporin with antibacterial activity. Cefcanel is active against the species <i>E. coli</i> , <i>K. aerogenes</i> and <i>Proteus mirabilis</i> ; <i>H. influenzae</i> and <i>M. catarrhalis</i> has reasonable susceptibility. Cefcanel inhibits 90% of <i>S. aureus</i> strains at 2 µg/ml, irrespective of the presence of a β-lactamase. Cefcanel binds to and inactivates penicillin-binding proteins (PBPs) located on the inner membrane of the bacterial cell wall. PBPs are enzymes involved in the terminal stages of assembling the bacterial cell wall and in reshaping the cell wall during growth and division. Inactivation of PBPs interferes with the cross-linkage of peptidoglycan chains necessary for bacterial cell wall strength and rigidity. This results in the weakening of the bacterial cell wall and causes cell lysis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0896 mL	10.4478 mL	20.8956 mL
5 mM	0.4179 mL	2.0896 mL	4.1791 mL
10 mM	0.209 mL	1.0448 mL	2.0896 mL
50 mM	0.0418 mL	0.209 mL	0.4179 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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