Data Sheet (Cat.No.T38513)

TargetMol

Cefoperazone dihydrate

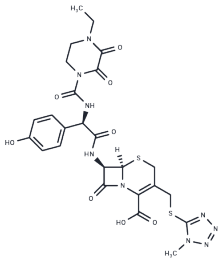
Chemical Properties

CAS No. : 113826-44-1

Formula: C25H27N9O8S2

Molecular Weight: 645.67

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	Cefoperazone dihydrate, a semi-synthetic cephalosporin, exhibits a wide range of antibacterial properties.
Targets(IC50)	Others,Antibacterial,Antibiotic
In vitro	Cefoperazone, at a final concentration of 60 μg/mL in lung homogenate through aerosol treatment, safeguards granulocytopenic mice against acute Pseudomonas aeruginosa pneumonia.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5488 mL	7.7439 mL	15.4878 mL
5 mM	0.3098 mL	1.5488 mL	3.0976 mL
10 mM	0.1549 mL	0.7744 mL	1.5488 mL
50 mM	0.031 mL	0.1549 mL	0.3098 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

N Matsubara, et al. In vitro antibacterial activity of cefoperazone (T-1551), a new semisynthetic cephalosporin. Antimicrob Agents Chemother. 1979 Dec;16(6):731-5.
Pedro H.Di Rocco, et al. Aerosol treatment with cefoperazone or gentamicin protects granulocytopenic mice from acute Pseudomonas aeruginosa pneumonia. European Journal of Pharmaceutical Sciences Volume 1, Issue 6, June 1994, Pages 285-289.

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