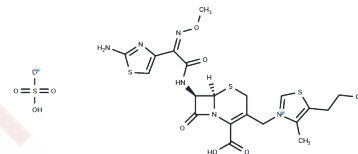


CS 461

Chemical Properties

CAS No. : 115948-58-8
 Formula: C₂₀H₂₄N₆O₁₀S₄
 Molecular Weight: 636.70
 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	CS 461 is a cephalosporin antibiotic that has shown effective antimicrobial activity against a variety of bacteria in vitro and in vivo.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5706 mL	7.853 mL	15.706 mL
5 mM	0.3141 mL	1.5706 mL	3.1412 mL
10 mM	0.1571 mL	0.7853 mL	1.5706 mL
50 mM	0.0314 mL	0.1571 mL	0.3141 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

- Militký J, Meloun M. Multiparametric curve fitting XV statistical analysis and goodness-of-fit test by the least-squares algorithm MINOPT. *Talanta*. 1993 Feb;40(2):279-85. PubMed PMID: 18965628.
- Militký J, Meloun M. Multiparametric curve fitting XIV. Modus operandi of the least-squares algorithm MINOPT. *Talanta*. 1993 Feb;40(2):269-77. PubMed PMID: 18965627.
- Nakayama E, Watanabe K, Miyauchi M, Fujimoto K, Muramatsu S, Yasuda H, Fukami M, Ide J. Cephalosporin antibiotics. II. Synthesis and biological properties of CS-461 and related compounds. *J Antibiot (Tokyo)*. 1991 Aug; 44(8):864-9. PubMed PMID: 1917701.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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