

Ceftriaxone

Chemical Properties

CAS No. : 73384-59-5

Formula: C₁₈H₁₈N₈O₇S₃

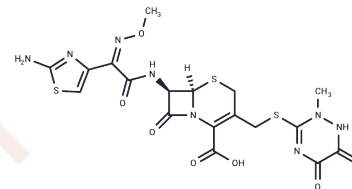
Molecular Weight: 554.58

Storage:

Store at low temperature, Store under nitrogen, Keep away from direct sunlight

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	Ceftriaxone is a novel cephalosporin antibiotic with antimicrobial activity against most Gram-positive and Gram-negative bacteria. Ceftriaxone also exhibits anti-inflammatory and antioxidant activity.
Targets(IC50)	Antibacterial, Antibiotic, Aurora Kinase, Antifungal, GSK-3

Solubility Information

Solubility	DMSO: 137.5 mg/mL (247.94 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8032 mL	9.0158 mL	18.0317 mL
5 mM	0.3606 mL	1.8032 mL	3.6063 mL
10 mM	0.1803 mL	0.9016 mL	1.8032 mL
50 mM	0.0361 mL	0.1803 mL	0.3606 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

Hakimizadeh E, et al. Ceftriaxone improves hepatorenal damages in mice subjected to D-galactose-induced aging. Life Sci. 2020;258:118119.

Nahata MC, et al. Ceftriaxone: a third-generation cephalosporin. Drug Intell Clin Pharm. 1985;19(12):900-906.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481