

Cefotaxime-D3

Chemical Properties

CAS No. :

Formula: C₁₆H₁₄D₃N₅O₇S₂

Molecular Weight: 458.48

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	Cefotaxime-D3 is the deuterium-labeled form of Cefotaxime. Cefotaxime (T7733) is a cephalosporin stable against β -lactamase, classified as a third-generation cephalosporin antibiotic. It exhibits broad-spectrum antibacterial activity against a variety of Gram-positive and Gram-negative bacteria.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1811 mL	10.9056 mL	21.8112 mL
5 mM	0.4362 mL	2.1811 mL	4.3622 mL
10 mM	0.2181 mL	1.0906 mL	2.1811 mL
50 mM	0.0436 mL	0.2181 mL	0.4362 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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