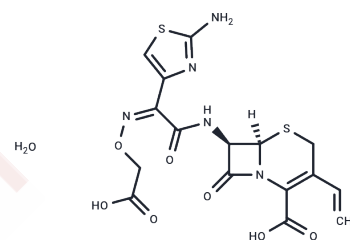


## Cefixime trihydrate

## Chemical Properties

CAS No. :	125110-14-7
Formula:	C <sub>16</sub> H <sub>17</sub> N <sub>5</sub> O <sub>8</sub> S <sub>2</sub>
Molecular Weight:	471.46
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	Cefixime trihydrate (FR-17027 trihydrate) is a potent third-generation cephalosporin antibiotic effective in treating various bacterial infections.
Targets(IC50)	Others,Antibacterial,Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1211 mL	10.6054 mL	21.2107 mL
5 mM	0.4242 mL	2.1211 mL	4.2421 mL
10 mM	0.2121 mL	1.0605 mL	2.1211 mL
50 mM	0.0424 mL	0.2121 mL	0.4242 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

Neu HC, et al. In vitro activity of a new broad spectrum, beta-lactamase-stable oral cephalosporin, cefixime. *Pediatr Infect Dis J.* 1987 Oct;6(10):958-62.

Unemo M, et al. High-level cefixime- and ceftriaxone-resistant *Neisseria gonorrhoeae* in France: novel penA mosaic allele in a successful international clone causes treatment failure. *Antimicrob Agents Chemother.* 2012 Mar;56(3):1273-80.

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