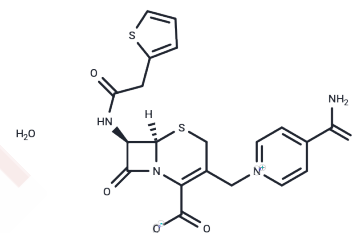


## Cefalonium hydrate

## Chemical Properties

CAS No. :	1486466-27-6
Formula:	C <sub>20</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub> S <sub>2</sub>
Molecular Weight:	476.53
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	Cefalonium hydrate is a first-generation $\beta$ -lactam cephalosporin antibiotic commonly employed in the study of bovine mastitis induced by Gram-positive bacteria, particularly staphylococci. It demonstrates significant effectiveness in this research area.
Targets(IC50)	Others,Antibacterial,Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0985 mL	10.4925 mL	20.985 mL
5 mM	0.4197 mL	2.0985 mL	4.197 mL
10 mM	0.2099 mL	1.0493 mL	2.0985 mL
50 mM	0.042 mL	0.2099 mL	0.4197 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

- Harada K, et, al. Assessment of the Usefulness of Cefapirin and Cefalonium Disks for Susceptibility Testing of Staphylococcus aureus Isolates from Bovine Mastitis. Antibiotics (Basel). 2020 Apr 21;9(4):197.
- Demon D, et, al. The intramammary efficacy of first generation cephalosporins against Staphylococcus aureus mastitis in mice. Vet Microbiol. 2012 Nov 9;160(1-2):141-50.
- Berry EA, et, al. Effect of an intramammary teat seal and dry cow antibiotic in relation to dry period length on postpartum mastitis. J Dairy Sci. 2007 Feb;90(2):760-5.

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