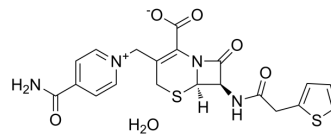


Cefalonium hydrate

Cat. No.:	HY-B1252A
CAS No.:	1486466-27-6
Molecular Formula:	C ₂₀ H ₂₀ N ₄ O ₆ S ₂
Molecular Weight:	476.53
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cefalonium hydrate is the first-generation β -lactam cephalosporin antibiotic that is widely used to research bovine mastitis caused by Gram-positive bacteria including staphylococci ^{[1][2][3]} .
IC₅₀ & Target	β -lactam

REFERENCES

- [1]. 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.
- [2]. 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.
- [3]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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