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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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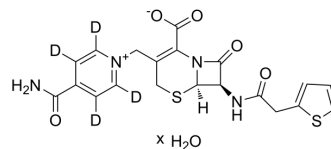
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Cefalonium-d₄ hydrate

Cat. No.:	HY-B1252AS
Molecular Formula:	C ₂₀ H ₁₈ D ₄ N ₄ O ₅ S ₂ .xH ₂ O
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cefalonium-d4 (hydrate) is the deuterium labeled Cefalonium (hydrate)(HY-B1252A). 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]}.

REFERENCES

- [1]. Kong D, et al. Acetamidrid inhibits testosterone synthesis by affecting the mitochondrial function and cytoplasmic adenosine triphosphate production in rat Leydig cells. *Biol Reprod*. 2017 Jan 1;96(1):254-265.
- [2]. 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.
- [3]. 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.

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

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