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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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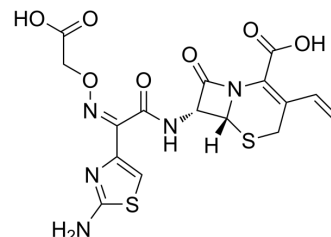
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Cefixime (Standard)

Cat. No.:	HY-B1381R
CAS No.:	79350-37-1
Molecular Formula:	C ₁₆ H ₁₅ N ₅ O ₇ S ₂
Molecular Weight:	453.45
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cefixime (Standard) is the analytical standard of Cefixime. This product is intended for research and analytical applications. Cefixime (FR-17027) is an orally active antibiotic and a third generation cephalosporin antibiotic, useful for the treatment of a number of bacterial infections^{[1][2]}.

REFERENCES

- [1]. 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.
- [2]. 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.
- [3]. Matsumoto Y, et al. Antibacterial activity of cefixime against *Salmonella typhi* and applicability of Etest. *J Infect Chemother.* 1999 Sep;5(3):176-179.
- [4]. Connolly KL, et al. Pharmacokinetic Data Are Predictive of In Vivo Efficacy for Cefixime and Ceftriaxone against Susceptible and Resistant *Neisseria gonorrhoeae* Strains in the Gonorrhea Mouse Model. *Antimicrob Agents Chemother.* 2019 Feb 26;63(3):e01644-18.
- [5]. Shi Y, et al. Restoration of cefixime-induced gut microbiota changes by *Lactobacillus* cocktails and fructooligosaccharides in a mouse model. *Microbiol Res.* 2017 Jul;200:14-24.
- [6]. Stone JW, et al. Cefixime, in-vitro activity, pharmacokinetics and tissue penetration. *J Antimicrob Chemother.* 1989 Feb;23(2):221-8.

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

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