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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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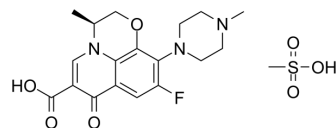
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Levofloxacin mesylate

Cat. No.:	HY-W338859
CAS No.:	226578-51-4
Molecular Formula:	C ₁₉ H ₂₄ FN ₃ O ₇ S
Molecular Weight:	457.47
Target:	Bacterial; Topoisomerase; Antibiotic
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Levofloxacin mesylate is an orally active antibiotic and is active against both Gram-positive and Gram-negative bacteria. Levofloxacin mesylate inhibits the DNA gyrase and topoisomerase IV. Levofloxacin mesylate can be used for chronic periodontitis, airway inflammation and BK Viremia research. Levofloxacin mesylate shows anti-orthopoxvirus activity^{[1][2][3][4][5]}

CUSTOMER VALIDATION

- Clin Chem. 2019 Dec;65(12):1522-1531.
- ACS Infect Dis. 2024 Apr 12;10(4):1327-1338.
- Antimicrob Agents Chemother. 2021 Feb 17;65(3):e01921-20.
- Antibiotics (Basel). 2022, 11(2), 192.
- Cell Rep Methods. 2023 Oct 23;3(10):100599.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Drlica K, et al. DNA gyrase, topoisomerase IV, and the 4-quinolones. Microbiol Mol Biol Rev. 1997 Sep;61(3):377-92.
- [2]. Smee DF, et al. A review of compounds exhibiting anti-orthopoxvirus activity in animal models. Antiviral Res. 2003 Jan;57(1-2):41-52.
- [3]. Rand A, et al. Effect of levofloxacin on some body tissues in mice. Effect of levofloxacin on some body tissues in mice. Iraqi Journal of Veterinary Sciences, 2021.
- [4]. JI B, et al. In vitro and in vivo activities of levofloxacin against Mycobacterium tuberculosis. Antimicrob Agents Chemother. 1995 Jun;39(6):1341-4.

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

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