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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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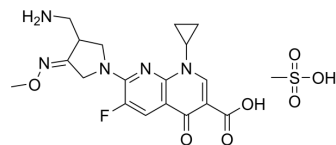
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Gemifloxacin mesylate (Standard)

Cat. No.:	HY-B1050R
CAS No.:	210353-53-0
Molecular Formula:	C ₁₉ H ₂₄ FN ₅ O ₇ S
Molecular Weight:	485.49
Target:	Bacterial; Antibiotic; DNA/RNA Synthesis; Topoisomerase
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Gemifloxacin (mesylate) (Standard) is the analytical standard of Gemifloxacin (mesylate). This product is intended for research and analytical applications. Gemifloxacin mesylate (SB-265805S; LB-20304a) is an orally active broad-spectrum quinolone antibacterial antibiotic. Gemifloxacin mesylate inhibits DNA synthesis by inhibiting DNA gyrase and Topoisomerase IV activities. Gemifloxacin mesylate has potent antibacterial activities against gram-positive bacteria in vitro efficacy study, particularly Streptococci and Staphylococci. Gemifloxacin mesylate has been used in the research of respiratory tract infections ^{[1][2][3]} .
IC₅₀ & Target	Antibiotic, Bacterial, DNA synthesis, Topoisomerase IV ^[1]

REFERENCES

- [1]. Hong CY. Discovery of gemifloxacin (Factive, LB20304a): a quinolone of a new generation. *Farmacology*. 2001 Jan-Feb;56(1-2):41-4.
- [2]. Allen A, Kim I, et al. Multiple-dose pharmacokinetics and tolerability of gemifloxacin administered orally to healthy volunteers. *Antimicrob Agents Chemother*. 2001 Feb;45(2):540-5.
- [3]. Erdem M, et al. Ingestion of the anti-bacterial agent, gemifloxacin mesylate, leads to increased gst activity and peroxidation products in hemolymph of *Galleria mellonella* L. (Lepidoptera: pyralidae). *Arch Insect Biochem Physiol*. 2016 Dec;93(4):202-209.

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

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