



LKT Laboratories, Inc.

Danofloxacin Mesylate

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Product Information

Product ID D0353

CAS No. 119478-55-6

Chemical Name

Synonym

Formula $C_{19}H_{20}FN_3O_3 \cdot CH_3SO_3H$

Formula Wt. 453.48

Melting Point 263

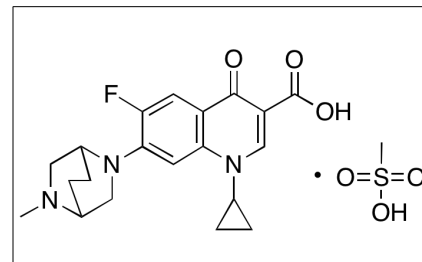
Purity $\geq 98\%$

Solubility Soluble in water

Store Temp Ambient

Ship Temp Ambient

Description Danofloxacin is a fluoroquinolone antibiotic used in veterinary medicine. Danofloxacin exhibits broad spectrum antibacterial activity against species of *Mycoplasma*, *Actinobacillus*, *Mannheimia*, *Escherichia*, and *Pasteurella*. In renal epithelial cells, danofloxacin also increases activity of antioxidative enzymes, including superoxide dismutase (SOD) and catalase.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
D0353	100 mg	\$88.60
D0353	500 mg	\$166.10
D0353	1 g	\$255.40
D0353	5 g	\$817.80

References Kawai K, Higuchi H, Iwano H, et al. Antimicrobial susceptibilities of Mycoplasma isolated from bovine mastitis in Japan. Anim Sci J. 2013 Nov 21. [Epub ahead of print]. PMID: 24261609.

Yu CH, Liu ZY, Sun LS, et al. Effect of Danofloxacin on Reactive Oxygen Species Production, Lipid Peroxidation and Antioxidant Enzyme Activities in Kidney Tubular Epithelial Cell Line, LLC-PK1. Basic Clin Pharmacol Toxicol. 2013 Jul 15. [Epub ahead of print]. PMID: 23855763.

Archambault M, Harel J, Gouré J, et al. Antimicrobial susceptibilities and resistance genes of Canadian isolates of Actinobacillus pleuropneumoniae. Microb Drug Resist. 2012 Apr;18(2):198-206. PMID: 22204596.

TerHune TN, Skogerboe TL, Shostrom VK, et al. Comparison of pharmacokinetics of danofloxacin and enrofloxacin in calves challenged with Mannheimia haemolytica. Am J Vet Res. 2005 Feb;66(2):342-9. PMID: 15757137.

Raemdonck DL, Tanner AC, Tolling ST, et al. In vitro susceptibility of avian Escherichia coli and Pasteurella multocida to danofloxacin and five other antimicrobials. Avian Dis. 1992 Oct-Dec;36(4):964-7. PMID: 1336664.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.