



LKT Laboratories, Inc.

Marbofloxacin

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Product Information

Product ID M0368

CAS No. 115550-35-1

Chemical Name 9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-piperazino)-7-oxo-7H-pyrido[1,2,3-ij][1,2,4]benzoxadiazine-6-carboxylic acid

Synonym Zeniquin

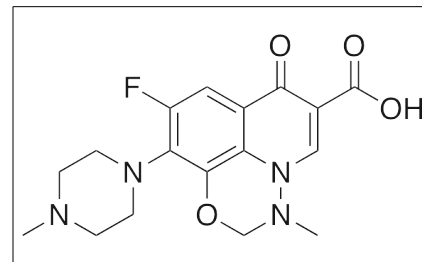
Formula C₁₇H₁₉FN₄O₄

Formula Wt. 362.36

Melting Point 268-269 °C

Purity ≥98%

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M0368	250 mg	\$135.00
M0368	1 g	\$433.90

Store Temp Ambient

Ship Temp Ambient

Description Marbofloxacin is a fluoroquinolone antibiotic commonly used in veterinary medicine. Originally developed to treat gram negative bacterial infections, marbofloxacin exhibits antibacterial activity against a broad spectrum of bacteria, including species of Staphylococcus, Escherichia, Actinobacillus, Pasturella, and Mannheimia. Marbofloxacin exerts its activity through inhibition of bacterial DNA gyrase.

References Damte D, Lee SJ, Yohannes SB, et al. Comparative activities of selected fluoroquinolones against dynamic populations of Actinobacillus pleuropneumoniae in an in vitro model of time-kill continuous culture experiment. Int J Antimicrob Agents. 2013 Dec;42(6):544-52. PMID: 24139884.

Illambas J, Potter T, Cheng Z, et al. Pharmacodynamics of marbofloxacin for calf pneumonia pathogens. Res Vet Sci. 2013 Jun;94(3):675-81. PMID: 23375665.

Awji EG, Tassew DD, Lee JS, et al. Comparative mutant prevention concentration and mechanism of resistance to veterinary fluoroquinolones in Staphylococcus pseudintermedius. Vet Dermatol. 2012 Aug;23(4):376-80, e68-9. PMID: 22409306.

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Spreng M, Deleforge J, Thomas V, et al. Antibacterial activity of marbofloxacin. A new fluoroquinolone for veterinary use against canine and feline isolates. J Vet Pharmacol Ther. 1995 Aug;18(4):284-9. PMID: 8583541.

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