



LKT Laboratories, Inc.

Marbofloxacin

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

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

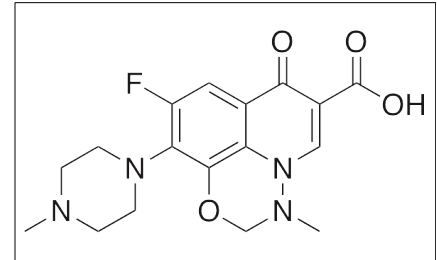
Formula C₁₇H₁₉FN₄O₄

Formula Wt. 362.36

Melting Point 268-269 °C

Purity ≥98%

Solubility



Bulk quantities available upon request

Product ID	Size
M0368	250 mg
M0368	1 g

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.

Gebu E, Choi MJ, Lee SJ, et al. Mutant-prevention concentration and mechanism of resistance in clinical isolates and enrofloxacin/marbofloxacin-selected mutants of *Escherichia coli* of canine origin. *J Med Microbiol*. 2011 Oct;60(Pt 10):1512-22. PMID: 21596912.

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.