



LKT Laboratories, Inc.

Pazufloxacin Methanesulfonate

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Product Information

Product ID P0398

CAS No. 163680-77-1

Chemical Name (3S)-10-(1-Aminocyclopropyl)-9-fluoro-2,3-dihydro-3-methyl-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid

Synonym Pazufloxacin mesylate

Formula C₁₆H₁₅FN₂O₄ • CH₃SO₃H

Formula Wt. 414.41

Melting Point 258-259 °C (dec)

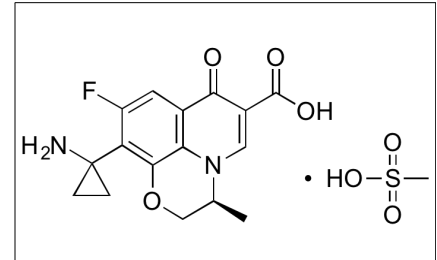
Purity ≥98%

Solubility Soluble in water.

Store Temp Ambient

Ship Temp Ambient

Description Pazufloxacin is a fluoroquinolone antibiotic that exhibits antibacterial efficacy against species of *Legionella*, *Staphylococcus*, *Streptococcus*, *Gardnerella*, *Escherichia*, *Pseudomonas*, and *Bacteriodes*. Pazufloxacin inhibits topoisomerase IV and DNA gyrase.



Bulk quantities available upon request

Product ID	Size
P0398	100 mg
P0398	500 mg
P0398	1 g
P0398	5 g

References Higa F, Akamine M, Haranaga S, et al. In vitro activity of pazufloxacin, tosufloxacin and other quinolones against Legionella species. J Antimicrob Chemother. 2005 Dec;56(6):1053-7. PMID: 16260445.

Takei M, Fukuda H, Kishii R, et al. Target preference of 15 quinolones against Staphylococcus aureus, based on antibacterial activities and target inhibition. Antimicrob Agents Chemother. 2001 Dec;45(12):3544-7. PMID: 11709337.

Mikamo H, Sato Y, Hayasaki Y, et al. In vitro activities of pazufloxacin, a novel injectable quinolone, against bacteria causing infections in obstetric and gynecological patients. Chemotherapy. 1999 May-Jun;45(3):154-7. PMID: 10224336.

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