



LKT Laboratories, Inc.

Tosufloxacin Tosylate

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

Product Information

Product ID T5672

CAS No. 115964-29-9

Chemical Name 7-(3-Amino-1-pyrrolidinyl)-1-(2,4-difluorophenyl)-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid toluenesulfonate

Synonym Tosufloxacin toluenesulfonate, Ozex, Tosuxacin

Formula C₁₉H₁₅F₃N₄O₃ • C₇H₈O₃S

Formula Wt. 576.55

Melting Point 258-260 °C

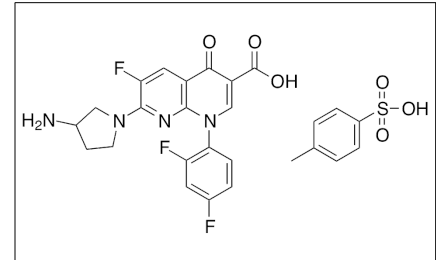
Purity ≥98%

Solubility Very slightly soluble in water.

Store Temp Ambient

Ship Temp Ambient

Description Tosufloxacin is a fluoroquinolone antibiotic that exhibits antibacterial efficacy in ocular infections and against *Mycoplasma*. Tosufloxacin inhibits bacterial DNA gyrase and topoisomerase IV.



Bulk quantities available upon request

Product ID	Size
T5672	100 mg
T5672	500 mg
T5672	1 g

References Akaike H, Miyashita N, Kubo M, et al. In vitro activities of 11 antimicrobial agents against macrolide-resistant *Mycoplasma pneumoniae* isolates from pediatric patients: results from a multicenter surveillance study. *Jpn J Infect Dis.* 2012;65(6):535-8. PMID: 23183207.

Ayaki M, Iwasawa A, Soda M, et al. Cytotoxicity of five fluoroquinolone and two nonsteroidal anti-inflammatory benzalkonium chloride-free ophthalmic solutions in four corneoconjunctival cell lines. *Clin Ophthalmol.* 2010 Sep 20;4:1019-24. PMID: 20922036.

Tanaka M, Onodera Y, Uchida Y, et al. Inhibitory activities of quinolones against DNA gyrase and topoisomerase IV purified from *Staphylococcus aureus*. *Antimicrob Agents Chemother.* 1997 Nov;41(11):2362-6. PMID: 9371334.

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