



LKT Laboratories, Inc.

Lomefloxacin Hydrochloride

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Product Information

Product ID L5749

CAS No. 98079-52-8

Chemical Name 1-Ethyl-6,8-difluoro-1,4-dihydro-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid monohydrochloride

Synonym Lomefloxacin monohydrochloride, Bareon, Chimono, Lomebact, Maxaquin, Okacyn, Uniquin

Formula C₁₇H₁₉F₂N₃O₃ · HCl

Formula Wt. 387.81

Melting Point 290-300(dec.)

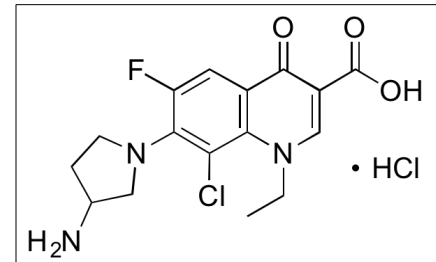
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Lomefloxacin is a fluoroquinolone antibiotic that is clinically used to treat respiratory and urinary tract infections; it displays antibacterial efficacy by inhibiting DNA gyrase and topoisomerase IV. Lomefloxacin is primarily active against gram negative aerobic bacteria; it may induce photocleavage of DNA.



Bulk quantities available upon request

Product ID	Size
L5749	1 g
L5749	5 g
L5749	10 g

References Martínez L, Chignell CF. Photocleavage of DNA by the fluoroquinolone antibacterials. J Photochem Photobiol B. 1998 Aug 21;45(1):51-9. PMID: 9819899.

Just PM. Overview of the fluoroquinolone antibiotics. Pharmacotherapy. 1993 Mar-Apr;13(2 Pt 2):4S-17S. PMID: 8386356.

Symonds WT, Nix DE. Lomefloxacin and temafloxacin: two new fluoroquinolone antimicrobials. Clin Pharm. 1992 Sep;11(9):753-66. PMID: 1325892.

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