



LKT Laboratories, Inc.

Rufloxacin Hydrochloride

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

Product Information

Product ID R8122

CAS No. 106017-08-7

Chemical Name 9-Fluro-2,3-dihydro-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyridol [1,2,3-de]-1,4-benzothiazine-6-carboxylic acid hydrochloride

Synonym Qari, Monos, Tebraxin

Formula C₁₇H₁₈FN₃O₃S • HCl

Formula Wt. 399.87

Melting Point 322-324 °C

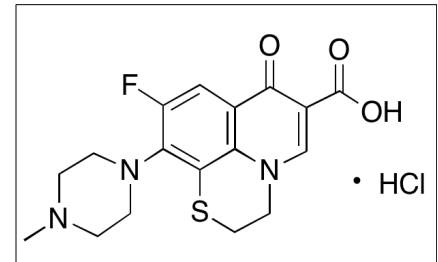
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Rufloxacin is a fluoroquinolone antibiotic that exhibits antibacterial activity against both gram negative and gram positive bacteria such as *Escherichia* and *Helicobacter*. Rufloxacin inhibits topoisomerase IV and DNA gyrase. Under UV exposure, rufloxacin induces type II guanine oxidation, increasing DNA base oxidation and displaying mutagenic/carcinogenic potential.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
R8122	25 mg	\$74.90
R8122	100 mg	\$240.80
R8122	500 mg	\$695.50

References Gu LY, Lin WW, Lu H, et al. Quadruple therapy with medications containing either rufloxacin or furazolidone as a rescue regimen in the treatment of *Helicobacter pylori*-infected dyspepsia patients: a randomized pilot study. *Helicobacter*. 2011 Aug;16(4):284-8. PMID: 21762267.

Belvedere A, Boscá F, Catalfo A, et al. Type II guanine oxidation photoinduced by the antibacterial fluoroquinolone Rufloxacin in isolated DNA and in 2'-deoxyguanosine. *Chem Res Toxicol*. 2002 Sep;15(9):1142-9. PMID: 12230407.

Montanari MP, Prenna M, Mingoia M, et al. In vitro antibacterial activity of trovafloxacin and five other fluoroquinolones. *Chemotherapy*. 1998 Mar-Apr;44(2):85-93. PMID: 9551237.

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