



LKT Laboratories, Inc.

Gatifloxacin Sesquihydrate

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

Product Information

Product ID G0278

CAS No. 180200-66-2

Chemical Name 1-Cyclopropyl-6-fluoro-1,4-dihydro-8-methoxy-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid

Synonym Tequin

Formula $(C_{19}H_{22}FN_3O_4)_2 \cdot (H_2O)_3$

Formula Wt. 402.42

Melting Point 162 °C

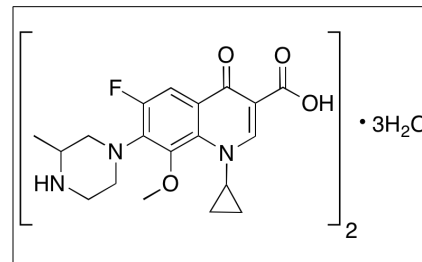
Purity ≥98%

Solubility Soluble in water (40-60 mg/mL) at a pH of 2 to 5.

Store Temp Ambient

Ship Temp Ambient

Description Gatifloxacin is a fluoroquinolone antibiotic that inhibits DNA gyrase. Gatifloxacin exhibits antibacterial efficacy against *Mycobacterium* and *Streptococcus*, treating tuberculosis and pneumonia.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
G0278	500 mg	\$52.50
G0278	1 g	\$82.40
G0278	5 g	\$314.70

References Pantel A, Petrella S, Veziris N, et al. Extending the definition of the GyrB quinolone resistance-determining region in *Mycobacterium tuberculosis* DNA gyrase for assessing fluoroquinolone resistance in *M. tuberculosis*. *Antimicrob Agents Chemother.* 2012 Apr;56(4):1990-6. PMID: 22290942.

Croisier D, Etienne M, Piroth L, et al. In vivo pharmacodynamic efficacy of gatifloxacin against *Streptococcus pneumoniae* in an experimental model of pneumonia: impact of the low levels of fluoroquinolone resistance on the enrichment of resistant mutants. *J Antimicrob Chemother.* 2004 Sep;54(3):640-7. PMID: 15317743.

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