



# LKT Laboratories, Inc.

## Norfloxacin Hydrochloride

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### Product Information

Product ID N5770

CAS No. 104142-93-0; 68077-27-0

Chemical Name

Synonym Norfloxacin (Hydrochloride)

Formula  $C_{16}H_{18}FN_3O_3 \cdot HCl$

Formula Wt. 355.79

Melting Point

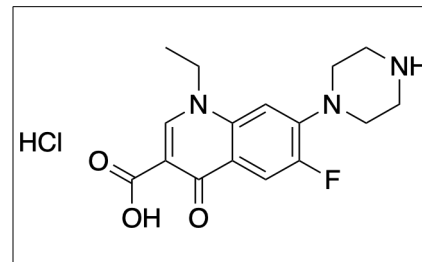
Purity  $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

**Description** Norfloxacin Hydrochloride is the HCl salt of the antibiotic Norfloxacin. Norfloxacin is a first generation fluoroquinolone antibiotic that exhibits antibacterial, anti-inflammatory, and anticancer activities. Norfloxacin inhibits DNA gyrase and topoisomerase IV; it is clinically used to treat urinary tract infections and prostatitis. In neutrophils from cirrhotic subjects, norfloxacin increases expression of IL-10 and heme oxygenase 1 (HO-1) and decreases expression of pro-inflammatory cytokines. Additionally, when complexed with gold(III), norfloxacin binds DNA and inhibits cellular proliferation in several cancer cell lines. TEST!!!!!!



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
N5770	1 g	\$35.00
N5770	5 g	\$65.00
N5770	25 g	\$175.00
N5770	100 g	\$385.00

**References** Gouvea LR, Garcia LS, Lachter DR, et al. Atypical fluoroquinolone gold(III) chelates as potential anticancer agents: relevance of DNA and protein interactions for their mechanism of action. *Eur J Med Chem.* 2012 Sep;55:67-73. PMID: 22835721.

Gómez-Hurtado I, Zapater P, Bellot P, et al. Interleukin-10-mediated heme oxygenase 1-induced underlying mechanism in inflammatory down-regulation by norfloxacin in cirrhosis. *Hepatology.* 2011 Mar;53(3):935-44. PMID: 21374664.

Padeřskaia EN. Norfloxacin: more than 20 years of clinical use, the results and place among fluoroquinolones in modern chemotherapy for infections. *Antibiot Khimioter.* 2003;48(9):28-36. PMID: 15002177.

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Ho YB, Zakaria MP, Latif PA, Saari N. Occurrence of veterinary antibiotics and progesterone in broiler manure and agricultural soil in Malaysia. *Sci Total Environ.* 2014 Aug 1;488-489:261-267. PMID: 24836135.

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