



LKT Laboratories, Inc.

## Nadifloxacin

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)

Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** N0114

**CAS No.** 124858-35-1

**Chemical Name** (+-)-9-Fluoro-6,7-dihydro-8-(4-hydroxypiperidino)-5-methyl-1-oxo-1H,5H-benzo(ij)quinolizine-2-carboxylic acid

**Synonym** Jinofloxacin, Acuatom

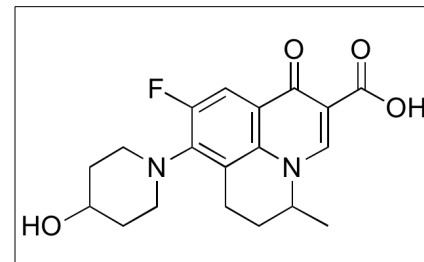
**Formula** C<sub>19</sub>H<sub>21</sub>FN<sub>2</sub>O<sub>4</sub>

**Formula Wt.** 360.38

**Melting Point** 245-247°C

**Purity** ≥98%

**Solubility** Soluble in DMSO.



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
N0114	25 mg	\$90.00
N0114	100 mg	\$247.30
N0114	500 mg	\$726.80

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Nadifloxacin is a fluoroquinolone antibiotic that exhibits antibacterial efficacy against both gram positive and gram negative bacteria; it inhibits DNA gyrase and is clinically used to treat acne vulgaris. Nadifloxacin inhibits *Propionibacterium*-stimulated PBMC production of IL-12, IFN-γ, and other cytokines. Nadifloxacin also decreases production of oxidative radicals by neutrophils. TEST!!!!!!

**References** Takenaka Y, Hayashi N, Takeda M, et al. Glycolic acid chemical peeling improves inflammatory acne eruptions through its inhibitory and bactericidal effects on *Propionibacterium* acnes. *J Dermatol.* 2012 Apr;39(4):350-4. PMID: 21950544.

Kuwahara K, Kitazawa T, Kitagaki H, et al. Nadifloxacin, an antiacne quinolone antimicrobial, inhibits the production of proinflammatory cytokines by human peripheral blood mononuclear cells and normal human keratinocytes. *J Dermatol Sci.* 2005 Apr;38(1):47-55. PMID: 15795123.

Akamatsu H, Sasaki H, Kurokawa I, et al. Effect of nadifloxacin on neutrophil functions. *J Int Med Res.* 1995 Jan-Feb;23(1):19-26. PMID: 7774755.

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