



LKT Laboratories, Inc.

Balofloxacin Dihydrate

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Product Information

Product ID B0246

CAS No. 151060-21-8

Chemical Name

Synonym

Formula $C_{20}H_{24}FN_3O_4 \cdot 2H_2O$

Formula Wt. 425.45

Melting Point

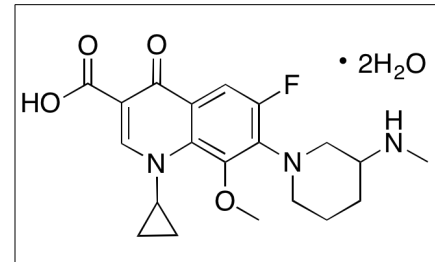
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Balofloxacin is a fluoroquinolone antibiotic that displays strong antibacterial activity against gram-positive bacteria and weak antibacterial activity against gram-negative bacteria. Balofloxacin inhibits the supercoiling ability of bacterial DNA gyrase, and shows efficacy treating early and middle stages of infection by bacteria such as *Mycoplasma pneumoniae* in animal models.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B0246	10 mg	\$64.20
B0246	50 mg	\$178.40
B0246	250 mg	\$499.50

References Iwasaki H, Miyazaki S, Tsuji A, et al. In vitro and in vivo antibacterial activities of Q-35, a novel fluoroquinolone. *Chemotherapy*. 1995 Mar-Apr;41(2):100-12. PMID: 7758353.

Ito T, Kojima K, Koizumi K, et al. Inhibitory activity on DNA gyrase and intracellular accumulation of quinolones: structure-activity relationship of Q-35 analogs. *Biol Pharm Bull*. 1994 Jul;17(7):927-30. PMID: 8000379.

Gohara Y, Arai S, Akashi A, et al. In vitro and in vivo activities of Q-35, a new fluoroquinolone, against *Mycoplasma pneumoniae*. *Antimicrob Agents Chemother*. 1993 Sep;37(9):1826-30. PMID: 8239590.

Ito T, Otsuki M, Nishino T. In vitro antibacterial activity of Q-35, a new fluoroquinolone. *Antimicrob Agents Chemother*. 1992 Aug;36(8):1708-14. PMID: 1329626.

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