Levofloxacin ab141245

Overview

Product name
Levofloxacin

Description
Fluoroquinolone antibiotic

Biological description
Fluoroquinolone antibiotic. Effective against Gram-positive and Gram-negative bacteria. Pharmacologically active following oral administration. Crosses the blood-brain barrier.

Purity
> 98%

Properties

Chemical name
(3S)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid

Molecular weight
361.37

Chemical structure

![Chemical structure diagram]

Molecular formula
C_{18}H_{20}FN_{3}O_{4}

CAS Number
100986-85-4

PubChem identifier
149096

Storage instructions
Store at +4°C. The product can be stored for up to 12 months.

Solubility overview
Soluble in DMSO to 100 mM, in ethanol to 10 mM, and in water to 25 mM.

Handling
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES
CN1CCN(CC1)c4c(F)cc2c3N(C=C=C2=O)C(=O)O]C@H]COC34

Source
Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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