Product datasheet

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-benzoazene-6-carboxylic acid
Molecular weight  361.37
Chemical structure

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  CN1CC(N(C(C(C(=O)O)C(=O)O)[C@@H](C)CO)c4c(F)cc2c3N=C(C2=O)=O)cc1
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"
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- Replacement or refund for products not performing as stated on the datasheet
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- Extensive multi-media technical resources to help you
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Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
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