

Product Data Sheet

Product Name: Temafloxacin

Cat. No.: GC45009

Chemical Properties

Cas. No. 108319-06-8

SMILES CC1CN(C2=C(F)C=C(C(C(C(O)=O)=CN3C4=CC=C(F)C=C4F)=O)C3=C2)CCN1

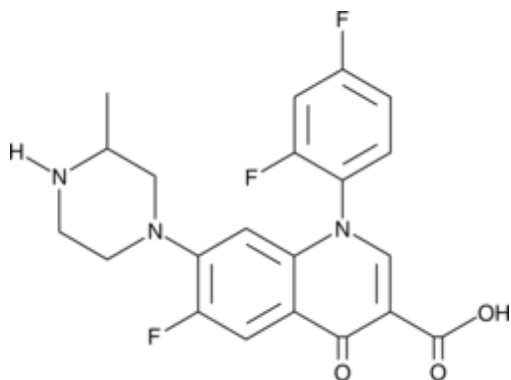
Formula C₂₁H₁₈F₃N₃O₃ M.Wt 417.4

Solubility DMF: 5 mg/ml, DMSO: 2 mg/ml, PBS (pH 7.2): 0.5 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Temafloxacin is a fluoroquinolone antibiotic that acts as a DNA topoisomerase inhibitor. It has broad antimicrobial activity against gram-positive and gram-negative bacteria, such as *S. pneumoniae*, *M. hominis*, and anaerobic bacteria, including *B. fragilis*.

Caution: Product has not been fully validated for medical applications. For research use only.

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