

Product Data Sheet

Product Name: Avarofloxacin

Cat. No.: GC35437

Chemical Properties

Cas. No. 878592-87-1

SMILES O=C(C1=CN(C2CC2)C3=C(C=C(F)C(N4C/C(CCC4)=C(F)\CN)=C3OC)C1=O)O

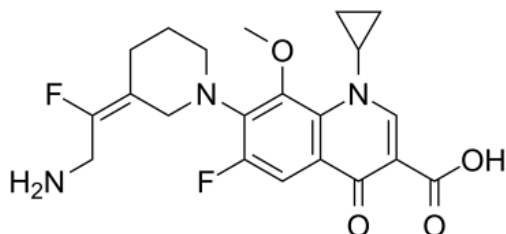
Formula $C_{21}H_{23}F_2N_3O_4$ M.Wt 419.42

Solubility DMSO : 100 mg/mL (238.42 mM; ultrasonic and adjust pH to 2 with HCl) 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

Avarofloxacin (JNJ-Q2) is a broad-spectrum fluoroquinolone antibacterial drug being developed for the treatment of acute bacterial skin and skin-structure infections and community-acquired pneumonia[1]. Avarofloxacin (JNJ-Q2) is an aminoethylidenylpiperidine fluoroquinolone that demonstrates antibacterial effect against numerous Gram-positive bacteria with a mean 0.12 mg/L MIC90 value[2]. Avarofloxacin (JNJ-Q2) has potential for treatment of methicillin-resistant

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Staphylococcus aureus (MRSA) infections[3].

[1]. Jones TM, et al. Focus on JNJ-Q2, a novel fluoroquinolone, for the management of community-acquired bacterial pneumonia and acute bacterial skin and skin structure infections. [2]. Kocsis B, et al. Chemical structure and pharmacokinetics of novel quinolone agents represented by avarofloxacin, delafloxacin, finafloxacin, zabofoxacin and nemonoxacin. Ann Clin Microbiol Antimicrob. 2016 May 23;15(1):34. [3]. Farrell DJ, et al. JNJ-Q2, a new fluoroquinolone with potent in vitro activity against Staphylococcus aureus, including methicillin- and fluoroquinolone-resistant strains. Antimicrob Agents Chemother. 2011 Jul;55(7):3631-4.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA