

Product Data Sheet

Product Name: Cadrofloxacin

Cat. No.: GC64102

Chemical Properties

Cas. No. 153808-85-6

Formula C₁₉H₂₀F₃N₃O₄

M.Wt 411.38

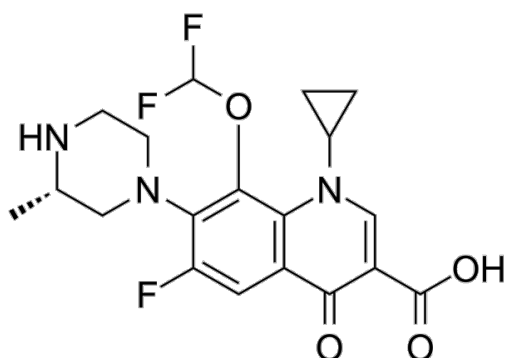
Solubility DMSO : 10 mg/mL (24.31 mM);
ultrasonic and warming and adjust
pH to 3 with HCl and heat to 80°C)

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

Cadrofloxacin (Caderofloxacin; CS-940), a orally active fluoroquinolone, is effective against aerobic/anaerobic Gram-positive and Gram-negative bacteria. Cadrofloxacin can be used for the research of infectious diseases[1][2][3].

Cadrofloxacin against M.tuberculosis with a MIC50 of 0.25 µg/mL[1]. Cadrofloxacin against Acinetobacter spp. and Stenotrophomonas (Xanthomonas) maltophilia with MIC90s of 0.03 and 2

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

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µg/ml, respectively[2]. Cadrofloxacin against *Haemophilus influenzae*, *Moraxella catarrhalis*, and *Neisseria* spp. with MIC90s less than or equal to 0.06 µg/mL[2]. Cadrofloxacin against members of the family Enterobacteriaceae with MIC90s of 0.015 to 16 µg/mL (median MIC90, 0.06 µg/mL)[2].

Cadrofloxacin (9 mg/kg; i.g.; once or twice daily for 14 consecutive days) increases the activity of hepatic CYP2E1 in rats[2].

[1]. Bryskier A, et al. Fluoroquinolones and tuberculosis. *Expert Opin Investig Drugs*. 2002 Feb;11(2):233-58.

[2]. Biedenbach DJ, et al. Antimicrobial activity of CS-940, a new trifluorinated quinolone. *Antimicrob Agents Chemother*. 1995 Oct;39(10):2325-30.

[3]. Bryskier A, et al. Fluoroquinolones and tuberculosis. *Expert Opin Investig Drugs*. 2002 Feb;11(2):233-58.

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