
Product Data Sheet

Product Name: WQ3810 (KPI-10 free base)

Cat. No.: GC32370

Chemical Properties

Cas. No. 888032-58-4

SMILES O=C(C1=CN(C2=NC(N)=C(F)C=C2F)C3=C(C=C(F)C(N4CC(NC(C)C)C4)=C3C)C1=O)OFormula $C_{22}H_{22}F_3N_5O_3$ M.Wt 461.44

Solubility Soluble in DMSO 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**

WQ3810 is an orally active fluoroquinolone, with potent antibacterial activities.

WQ-3810 shows potent activity against *A. baumannii*, including MDR isolates, with MIC₉₀ of 1 mg/L, more than eight-fold higher than that of ciprofloxacin (64 mg/L) and levofloxacin (8 mg/L). WQ-3810 also exhibits inhibitory effects on *E. coli* and *S. pneumoniae*, including FQR isolates, with MIC₉₀ of 4 mg/L and 0.06 mg/L, respectively. WQ-3810 is the most potent among the fluoroquinolones tested against methicillin-resistant *Staphylococcus aureus* (MRSA) and *Neisseria gonorrhoeae*, including FQR isolates[1].

[1]. Kazamori D, et al. In vitro activity of WQ-3810, a novel fluoroquinolone, against multidrug-resistant and fluoroquinolone-resistant pathogens. *Int J Antimicrob Agents*. 2014 Nov;44(5):443-9.

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
