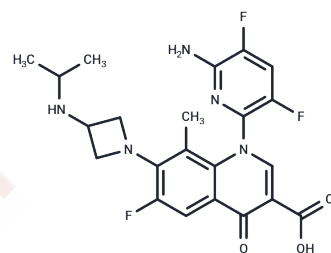


WQ3810

## Chemical Properties

CAS No. : 888032-58-4  
 Formula: C<sub>22</sub>H<sub>22</sub>F<sub>3</sub>N<sub>5</sub>O<sub>3</sub>  
 Molecular Weight: 461.44  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

|               |  |
|---------------|--|
| Description   | WQ3810 is an orally active fluoroquinolone with potent antibacterial activities.   |
| Targets(IC50) | Others,Antibacterial   |
| In vitro      | WQ-3810 showed effective activity against <i>Acinetobacter baumannii</i> , including MDR isolates with MIC <sub>90</sub> of 1 mg/L, eight times higher than ciprofloxacin (64 mg/L) and levofloxacin (8 mg/L). WQ-3810 also exhibits inhibitory effects on <i>E. coli</i> and <i>S. pneumoniae</i> , including FQR isolates, with MIC <sub>90</sub> of 4 mg/L and 0.06 mg/L, respectively. WQ-3810 is the most potent among the fluoroquinolones tested against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) and <i>Neisseria gonorrhoeae</i> , including FQR isolates. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.1671 mL | 10.8356 mL | 21.6713 mL |
| 5 mM  | 0.4334 mL | 2.1671 mL  | 4.3343 mL  |
| 10 mM | 0.2167 mL | 1.0836 mL  | 2.1671 mL  |
| 50 mM | 0.0433 mL | 0.2167 mL  | 0.4334 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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.

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