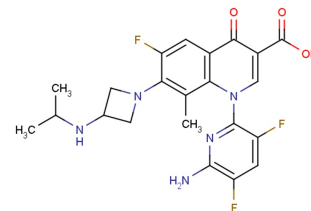


WQ3810

Chemical Properties

CAS No.:	888032-58-4
Formula:	C ₂₂ H ₂₂ F ₃ N ₅ O ₃
Molecular Weight:	461.44
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	WQ3810 is an orally active fluoroquinolone, has potent antibacterial activities.
Targets(IC ₅₀)	Others: None
In vitro	WQ-3810 showed effective activity against <i>Acinetobacter baumannii</i> , including MDR isolates with MIC ₉₀ 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 ₉₀ 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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.167 mL	10.836 mL	21.671 mL
5 mM	0.433 mL	2.167 mL	4.334 mL
10 mM	0.217 mL	1.084 mL	2.167 mL
50 mM	0.043 mL	0.217 mL	0.433 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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