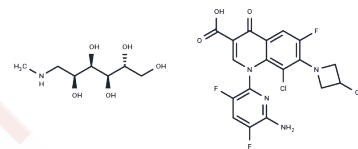


## Delafloxacin meglumine

## Chemical Properties

CAS No. :	352458-37-8
Formula:	C <sub>25</sub> H <sub>29</sub> ClF <sub>3</sub> N <sub>5</sub> O <sub>9</sub>
Molecular Weight:	635.97
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	Delafloxacin meglumine (RX-3341 meglumine) is a broad-spectrum fluoroquinolone antibiotic.
Targets(IC50)	Antibacterial,Antibiotic
In vivo	Delafloxacin (3-15.5 mg/kg) reduces lung bacterial burden in mouse models of <i>S. aureus</i> and <i>S. pneumoniae</i> lung infection[1]

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5724 mL	7.862 mL	15.724 mL
5 mM	0.3145 mL	1.5724 mL	3.1448 mL
10 mM	0.1572 mL	0.7862 mL	1.5724 mL
50 mM	0.0314 mL	0.1572 mL	0.3145 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

Lepak AJ, et al. In Vivo Pharmacodynamic Target Assessment of Delafloxacin against Staphylococcus aureus, Streptococcus pneumoniae, and Klebsiella pneumoniae in a Murine Lung Infection Model. Antimicrob Agents Chemother. 2016 Jul 22;60(8):4764-9.

2 .Gena K , Kapoor E , Dasgupta A , et al. Delafloxacin meglumine for the treatment of acute bacterial skin and skin structure infections (ABSSSI).[J]. Drugs of Today, 2018, 54:págs. 657-666.

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