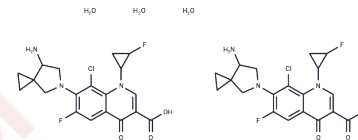


Sitaflloxacin Hydrate

Chemical Properties

CAS No. :	163253-35-8
Formula:	C ₁₉ H ₁₈ ClF ₂ N ₃ O ₃ ·3/2H ₂ O
Molecular Weight:	436.84
Storage:	Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Sitaflloxacin Hydrate (DU-6859a) is a fluoroquinolone antibiotic that shows promise in the treatment of Buruli ulcer.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	DMSO: 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	2.2892 mL	11.4458 mL	22.8917 mL
5 mM	0.4578 mL	2.2892 mL	4.5783 mL
10 mM	0.2289 mL	1.1446 mL	2.2892 mL
50 mM	0.0458 mL	0.2289 mL	0.4578 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

- Suzuki T, et al. Chem Pharm Bull (Tokyo). 2012;60(1):45-55.
Araki T, et al. Chem Pharm Bull (Tokyo). 2002 Feb;50(2):229-34.

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