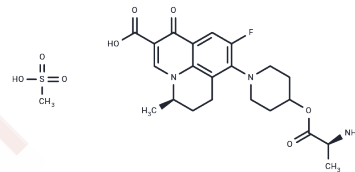


Alalevonadifloxacin

Chemical Properties

CAS No. :	2892364-59-7
Formula:	C ₂₃ H ₃₀ FN ₃ O ₈ S
Molecular Weight:	527.56
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	Alalevonadifloxacin is a DNA gyrase and DNA topoisomerase inhibitor and a novel antibacterial compound of the quinolone class targeting MRSA. Alalevonadifloxacin is potentially useful in the treatment of bacterial Gram-positive, Gram-negative and anaerobic infections.
Targets(IC50)	Others, Antibacterial, Antibiotic, DNA gyrase, Topoisomerase

Solubility Information

Solubility	DMSO: 22.5 mg/mL (42.65 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8955 mL	9.4776 mL	18.9552 mL
5 mM	0.3791 mL	1.8955 mL	3.791 mL
10 mM	0.1896 mL	0.9478 mL	1.8955 mL
50 mM	0.0379 mL	0.1896 mL	0.3791 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

Kilbille J T, et al. Synthesis, structural characterization of optical isomers and potential impurities in Alalevonadifloxacin mesylate. Synthetic Communications, 2023;53(3): 1-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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