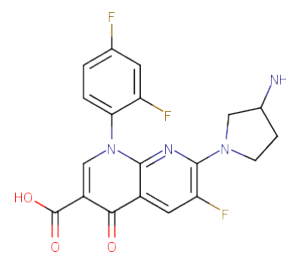


## Tosufloxacin

## Chemical Properties

CAS No. :	100490-36-6
Formula:	C <sub>19</sub> H <sub>15</sub> F <sub>3</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	404.34
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	Tosufloxacin (Ozex) is a quinolone antimicrobial agent and potent inhibitor of the metabolism of theophylline.
Targets(IC50)	Others, Antibacterial, Antibiotic

## Solubility Information

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

	1mg	5mg	10mg
1 mM	2.4732 mL	12.3658 mL	24.7317 mL
5 mM	0.4946 mL	2.4732 mL	4.9463 mL
10 mM	0.2473 mL	1.2366 mL	2.4732 mL
50 mM	0.0495 mL	0.2473 mL	0.4946 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

Yamaguchi K . Evaluation of in-vitro and in-vivo antibacterial activity of tosufloxacin tosylate[J]. Journal of Infection & Chemotherapy, 2001, 7(4):205-217.

Yin J, Jia P, Qu X, et al. Discovery of Voreloxin as a Dual-Selective Stabilizer for c-Myc/Bcl-2 G-Quadruplexes in Leukemia. Chemical Biology & Drug Design. 2024, 104(6): e70034.

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