Data Sheet (Cat.No.T26368)

TargetMol

Tosufloxacin tosylate

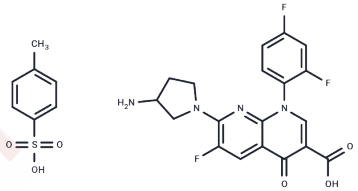
Chemical Properties

CAS No. : 115964-29-9

Formula: C26H23F3N4O6S

Molecular Weight: 576.54

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 is a fluoroquinolone antibiotic used to treat susceptible infections.
Targets(IC50)	Others,Antibacterial,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7345 mL	8.6724 mL	17.3449 mL
5 mM	0.3469 mL	1.7345 mL	3.469 mL
10 mM	0.1734 mL	0.8672 mL	1.7345 mL
50 mM	0.0347 mL	0.1734 mL	0.3469 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

Kim YD, Kim MK, Wee WR, Choi HJ. Tosufloxacin deposits in compromised corneas. Optom Vis Sci. 2014 Sep;91(9): e241-4. doi: 10.1097/OPX.0000000000000348. PubMed PMID: 25036547.

Niu H, Cui P, Yee R, Shi W, Zhang S, Feng J, Sullivan D, Zhang W, Zhu B, Zhang Y. A Clinical Drug Library Screen Identifies Tosufloxacin as Being Highly Active against Staphylococcus aureus Persisters. Antibiotics (Basel). 2015 Jul 31;4(3):329-36. doi: 10.3390/antibiotics4030329. PubMed PMID: 27025627; PubMed Central PMCID: PMC4790289.

Kawai Y, Miyashita N, Kubo M, Akaike H, Kato A, Nishizawa Y, Saito A, Kondo E, Teranishi H, Ogita S, Tanaka T, Kawasaki K, Nakano T, Terada K, Ouchi K. Therapeutic efficacy of macrolides, minocycline, and tosufloxacin against macrolide-resistant Mycoplasma pneumoniae pneumonia in pediatric patients. Antimicrob Agents Chemother. 2013 May;57(5):2252-8. doi: 10.1128/AAC.00048-13. Epub 2013 Mar 4. PubMed PMID: 23459497; PubMed Central PMCID: PMC3632908.

Deng FY, Huang CX, Liu Y. [Mn2+-cTMAB-sensitized fluorescent microscopic determination of tosufloxacin tosylate based on a self-ordered ring]. Guang Pu Xue Yu Guang Pu Fen Xi. 2014 Feb;34(2):445-9. Chinese. PubMed PMID: 24822418.

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