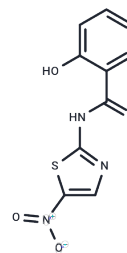


## Tizoxanide

## Chemical Properties

CAS No. :	173903-47-4
Formula:	C <sub>10</sub> H <sub>7</sub> N <sub>3</sub> O <sub>4</sub> S
Molecular Weight:	265.25
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	Tizoxanide (Desacetyl-nitazoxanide) is a metabolite of lamivudine. Lamivudine (2', 3'-dideoxy-3'-thiacytidine, commonly called 3TC) is a potent nucleoside analog reverse transcriptase inhibitor (nRTI).
Targets(IC50)	Antiviral,HIV Protease,Antibacterial,Parasite,Autophagy,Influenza Virus,IκB/IKK

## Solubility Information

Solubility	DMSO: 20 mg/mL (75.4 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	3.770 mL	18.8501 mL	37.7003 mL
5 mM	0.754 mL	3.770 mL	7.5401 mL
10 mM	0.377 mL	1.885 mL	3.770 mL
50 mM	0.0754 mL	0.377 mL	0.754 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

Korba BE, et al. Antiviral Res. 2008 Jan;77(1):56-63.2. Korba BE, et al. Antimicrob Agents ChemOthers. 2008 Nov;52(11):4069-71.

Ivanova L, Rausalu K, Zusinaite E, et al. 1,3-Thiazolbenzamide Derivatives as Chikungunya Virus nsP2 Protease Inhibitors. ACS Omega. 2021, 6(8): 5786-5794

Ivanova L, Rausalu K, Zusinaite E, et al. 1, 3-Thiazolbenzamide Derivatives as Chikungunya Virus nsP2 Protease Inhibitors. ACS Omega. 2021 Feb 17;6(8):5786-5794. doi: 10.1021/acsomega.0c06191. eCollection 2021 Mar 2.

Ivanova L, Rausalu K, Zusinaite E, et al. 1, 3-Thiazolbenzamide Derivatives as Chikungunya Virus nsP2 Protease Inhibitors[J]. ACS Omega. 2021

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