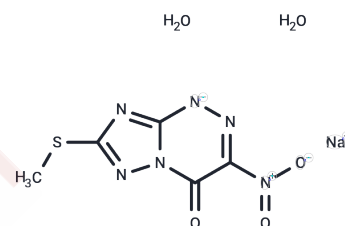


## Triazavirin

## Chemical Properties

CAS No. : 928659-17-0  
 Formula: C<sub>5</sub>H<sub>7</sub>N<sub>6</sub>NaO<sub>5</sub>S  
 Molecular Weight: 286.2  
 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	Triazavirin, a nucleoside analogue of nucleic acid, is an antiviral agent.
Targets(IC50)	Nucleoside Antimetabolite/Analog,DNA/RNA Synthesis,Influenza Virus
In vivo	In high doses (200-400 mg/kg) Triazavirin moderately protected the infected animals. A significant increase of the animal lifespan in the test groups (from 4.1 to 4.8 days) and a statistically ( $p \leq 0.05$ ) valid decrease of the virus accumulation in the target organ (the brain) were observed[1].

## Solubility Information

Solubility	DMSO: 125 mg/mL (436.76 mM),Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (13.98 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	3.4941 mL	17.4703 mL	34.9406 mL
5 mM	0.6988 mL	3.4941 mL	6.9881 mL
10 mM	0.3494 mL	1.747 mL	3.4941 mL
50 mM	0.0699 mL	0.3494 mL	0.6988 mL

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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

Loginova SY, et al. Investigation of Therapeutic Efficacy of Triazavirin Against Experimental Forest-Spring Encephalitis on Albino Mice. *Antibiot Khimioter.* 2015;60(7-8):11-3.

Loginova S I , Borisevich S V , Maksimov V A , et al. Triazaverin prophylactic efficacy against influenza virus A (H5N1)[J]. *Antibiotics & Chemoterapy*, 2010, 55(9-10):25-28.

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