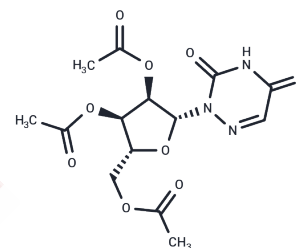


Azaribine

Chemical Properties

CAS No. :	2169-64-4
Formula:	C ₁₄ H ₁₇ N ₃ O ₉
Molecular Weight:	371.30
Storage:	Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Azaribine (2,3,5-Tri-O-acetyl-6-azauridine) is an orotate monophosphate decarboxylase (OMPD) inhibitor with broad-spectrum antiviral activity, inhibiting viral genome replication and gene transcription. Azaribine has been used in the study of Zika virus (ZIKV) infections, and in the study of psoriasis, arthritis and mycosis fungoides. Azaribine is used to study Zika virus (ZIKV) infections, psoriasis and mycosis fungoides.
Targets(IC50)	Antiviral, Influenza Virus, Virus Protease
In vitro	In MDCK cells, Azaribine (0-2 μM; 48 hours) exhibited cytotoxicity against MDCK cells (CC50=19.66 μM)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6932 mL	13.4662 mL	26.9324 mL
5 mM	0.5386 mL	2.6932 mL	5.3865 mL
10 mM	0.2693 mL	1.3466 mL	2.6932 mL
50 mM	0.0539 mL	0.2693 mL	0.5386 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

Jun-Gyu Park, et al. Identification and Characterization of Novel Compounds with Broad-Spectrum Antiviral Activity against Influenza A and B Viruses. *J Virol*. 2020 Mar 17;94(7):e02149-19.

Desarey Morales Vasquez, et al. Identification of Inhibitors of ZIKV Replication. *Viruses*. 2020 Sep 18;12(9):1041.

Keefer RA, et al. Azaribine therapy for psoriasis. Evaluation of potential effects on the liver and other organ systems. *Arch Dermatol*. 1975 Jul;111(7):853-6.

Chiem K, et al. Antivirals against monkeypox infections. *bioRxiv [Preprint]*. 2023 Apr 19:2023.04.19.537483.

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