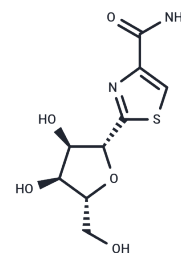


Tiazofurin

Chemical Properties

CAS No. :	60084-10-8
Formula:	C ₉ H ₁₂ N ₂ O ₅ S
Molecular Weight:	260.27
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	Tiazofurin (NSC-286193) is a synthetic nucleoside analogue with antineoplastic activity. Tiazofurin is anabolized intracellularly to tiazole-4-carboxamide adenine dinucleotide (TAD), a potent IMP dehydrogenase (IMPDH) inhibitor.
Targets(IC50)	Nucleoside Antimetabolite/Analog, Dehydrogenase, Virus Protease

Solubility Information

Solubility	DMSO: 50 mg/mL (192.11 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	3.8422 mL	19.2108 mL	38.4216 mL
5 mM	0.7684 mL	3.8422 mL	7.6843 mL
10 mM	0.3842 mL	1.9211 mL	3.8422 mL
50 mM	0.0768 mL	0.3842 mL	0.7684 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

Tricot G, Jayaram HN, Weber G, Hoffman R. Tiazofurin: biological effects and clinical uses. Int J Cell Cloning. 1990;8 (3):161-170.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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