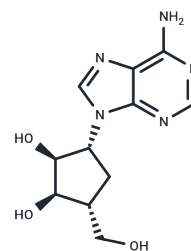


Aristeromycin

Chemical Properties

CAS No. :	19186-33-5
Formula:	C ₁₁ H ₁₅ N ₅ O ₃
Molecular Weight:	265.27
Storage:	Store at low temperature 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	Aristeromycin (U 99468) is a broad-spectrum antiviral antibiotic that targets RNA viruses and is an inhibitor of S-adenosylhomocysteine hydrolase (AHCY).
Targets(IC50)	Antiviral,Antibacterial,Antibiotic
In vitro	DZNeP and Aristeromycin exhibit potent inhibitory activity against AHCY. Treatment of prostate cancer cells with DZNeP leads to accumulation of SAH and reduction in levels of homocysteine and histone H3K27 methylation. Confirmation of SAH accumulation and growth inhibition was achieved upon siRNA-mediated knockdown of AHCY[1].

Solubility Information

Solubility	DMSO: 30 mg/mL (113.09 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	3.7697 mL	18.8487 mL	37.6974 mL
5 mM	0.7539 mL	3.7697 mL	7.5395 mL
10 mM	0.377 mL	1.8849 mL	3.7697 mL
50 mM	0.0754 mL	0.377 mL	0.7539 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

Uchiyama N, et al. Aristeromycin and DZNeP cause growth inhibition of prostate cancer via induction of mir-26a. Eur J Pharmacol. 2017 Oct 5;812:138-146.

Ishikura T, et al. Inhibition of S-adenosylhomocysteine hydrolase by purine nucleoside analogues. Nucleic Acids Symp Ser. 1983;(12):119-22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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