

Ancitabine

Chemical Properties

CAS No. : 31698-14-3

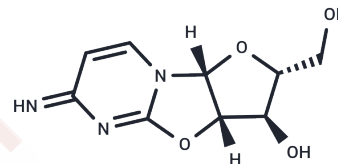
Formula: C₉H₁₁N₃O₄

Molecular Weight: 225.2

Store at low temperature

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	Ancitabine is an antitumour drug that improves Hailey-Hailey disease-related phenotypes in yeast models. It is metabolised to cytarabine in vivo and inhibits DNA synthesis, primarily used for treating acute leukaemia.
Targets(IC50)	Apoptosis,Others,Autophagy,DNA/RNA Synthesis,Virus Protease

Solubility Information

Solubility	DMSO: 1 mg/mL (4.44 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	4.4405 mL	22.2025 mL	44.405 mL
5 mM	0.8881 mL	4.4405 mL	8.881 mL
10 mM	0.444 mL	2.2202 mL	4.4405 mL
50 mM	0.0888 mL	0.444 mL	0.8881 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

Sutherland JJ, et, al. A preclinical secondary pharmacology resource illuminates target-adverse drug reaction associations of marketed drugs. *Nat Commun.* 2023 Jul 19;14(1):4323.

Gupta N, et al. BLM overexpression as a predictive biomarker for CHK1 inhibitor response in PARP inhibitor-resistant BRCA-mutant ovarian cancer. *Sci Transl Med.* 2023 Jun 21;15(701):eadd7872.

Hanson QM, et, al. Target Class Profiling of Small-Molecule Methyltransferases. *ACS Chem Biol.* 2023 Apr 21;18(4):969-981.

Dranchak PK, et, al. In vivo quantitative high-throughput screening for drug discovery and comparative toxicology. *Dis Model Mech.* 2023 Mar 1;16(3):dmm049863.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481