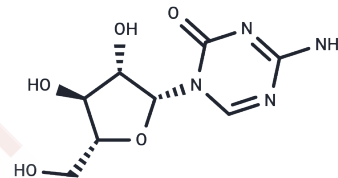


Fazarabine

Chemical Properties

CAS No. :	65886-71-7
Formula:	C ₈ H ₁₂ N ₄ O ₅
Molecular Weight:	244.2
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	Fazarabine, also known as Kymarabine, is an orally-active pyrimidine analogue of an aza-substituted cytidine in which the ribose moiety is replaced by an arabinose sugar. Similar in action to cytarabine, fazarabine is phosphorylated by deoxycytidine kinase to a triphosphate form which competes with thymidine for incorporation into DNA; its incorporation into DNA inhibits DNA synthesis, resulting in tumor cell death and tumor necrosis. The presence of deoxycytidine kinase in a tumor is a determinant of tumor sensitivity to this drug.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.095 mL	20.475 mL	40.950 mL
5 mM	0.819 mL	4.095 mL	8.190 mL
10 mM	0.4095 mL	2.0475 mL	4.095 mL
50 mM	0.0819 mL	0.4095 mL	0.819 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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