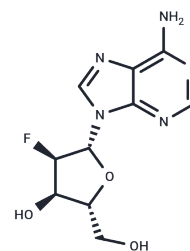


2'-Fluoro-2'-Deoxyadenosine

Chemical Properties

CAS No. :	64183-27-3
Formula:	C10H12FN5O3
Molecular Weight:	269.23
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	2'-Fluoro-2'-Deoxyadenosine is efficiently cleaved to the toxic 2-fluoroadenine (FAde) by Escherichia coli purine nucleoside phosphorylase (PNP). 2'-Fluoro-2'-Deoxyadenosine showed good in vivo activity against tumors expressing E. coli PNP. 2'-Fluoro-2'-Deoxyadenosine can be used to synthesize 2'-deoxy-2'-fluoromodified oligonucleotides that can hybridize to RNA.
Targets(IC50)	Nucleoside Antimetabolite/Analog

Solubility Information

Solubility	DMSO: 50 mg/mL (185.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.43 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7143 mL	18.5715 mL	37.143 mL
5 mM	0.7429 mL	3.7143 mL	7.4286 mL
10 mM	0.3714 mL	1.8571 mL	3.7143 mL
50 mM	0.0743 mL	0.3714 mL	0.7429 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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