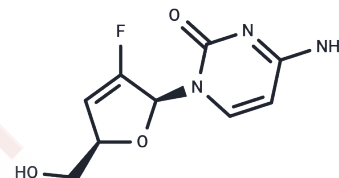


L-2'-Fd4C

Chemical Properties

CAS No. :	221662-50-6
Formula:	C ₉ H ₁₀ FN ₃ O ₃
Molecular Weight:	227.19
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	L-2'-Fd4C is an L-nucleoside analogue with both anti-human immunodeficiency virus (HIV) and anti-hepatitis B virus (HBV) activity [1].
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others,HIV Protease,DNA/RNA Synthesis,HBV
In vitro	L-2'-Fd4C (0-10 μM; 9 d; HepG2-2.2.15 cells) inhibits hepatitis B virus (HBV) replication with an EC50 of 0.002 μM [1].
In vivo	L-2'-Fd4C, administered intraperitoneally at a dosage of 100 mg/kg daily for 7 days, demonstrates significant anti-hepadnaviral activity in HBV-transgenic mice, resulting in a reduction of hepatitis B virus (HBV) levels in the blood comparable to the effects of Lamivudine [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4016 mL	22.008 mL	44.016 mL
5 mM	0.8803 mL	4.4016 mL	8.8032 mL
10 mM	0.4402 mL	2.2008 mL	4.4016 mL
50 mM	0.088 mL	0.4402 mL	0.8803 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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