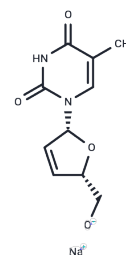


Stavudine sodium

Chemical Properties

CAS No. :	134624-73-0
Formula:	C ₁₀ H ₁₁ N ₂ NaO ₄
Molecular Weight:	246.198
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	Stavudine sodium (d4T), an orally active nucleoside reverse transcriptase inhibitor (NRTI), demonstrates activity against both HIV-1 and HIV-2. It also inhibits mitochondrial DNA (mtDNA) replication, reduces NLRP3 inflammasome activation, modulates Amyloid-β autophagy, and induces apoptosis [1] [2] [3] [4].
Targets(IC50)	Apoptosis, Nucleoside Antimetabolite/Analog, Others, HIV Protease, NOD-like Receptor (NLR), Reverse Transcriptase, Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0617 mL	20.3087 mL	40.6174 mL
5 mM	0.8123 mL	4.0617 mL	8.1235 mL
10 mM	0.4062 mL	2.0309 mL	4.0617 mL
50 mM	0.0812 mL	0.4062 mL	0.8123 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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