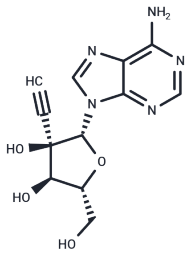
Data Sheet (Cat.No.TNU0474)

TargetMol

2'-β-C-Ethynyladenosine

Chemical Properties



CAS No. : 640725-76-4

Formula: C12H13N5O4

Molecular Weight: 291.26

Storage: Keep away from moisture
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'-β-C-Ethynyladenosine is a synthetic nucleoside analog that functions as a potent inhibitor of hepatitis C virus (HCV) replication by targeting the viral RNA-dependent RNA polymerase, NS5B; it inhibits HCV subgenomic replicon replication and NS5B-catalyzed RNA synthesis with half-maximal inhibitory concentration (IC50) values of 0.3 micromolar and 1.9 micromolar, respectively, and also demonstrates potent inhibitory activity against Leishmania RNA Virus 1 (LRV1) in species such as Leishmania guyanensis (Lgy) and Leishmania braziliensis.
Targets(IC50)	Nucleoside Antimetabolite/Analog,HCV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4334 mL	17.1668 mL	34.3336 mL
5 mM	0.6867 mL	3.4334 mL	6.8667 mL
10 mM	0.3433 mL	1.7167 mL	3.4334 mL
50 mM	0.0687 mL	0.3433 mL	0.6867 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

Chen YL, et al. Inhibition of dengue virus RNA synthesis by an adenosine nucleoside. Antimicrob Agents Chemother. 2010 Jul;54(7):2932-9.

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