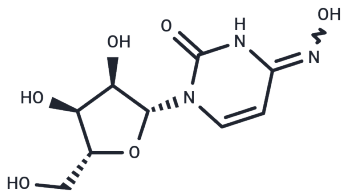
Data Sheet (Cat.No.T8498)

TargetMol
YOUR TARGET MOLECULES

EIDD-1931

Chemical Properties



CAS No. : 3258-02-4

Formula: C9H13N3O6

Molecular Weight: 259.22

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	EIDD-1931 (Beta-d-N4-hydroxycytidine) is a ribonucleoside analog with antiviral activity.It inhibits replication of severe acute respiratory syndrome coronavirus (SARS-CoV) in Vero 76 cells, Middle East respiratory syndrome coronavirus (MERS-CoV) in Calu-3 2B4 cells, and SARS-CoV-2 in Vero cells (IC50s =0.1, 0.15 and 0.3 μM, respectively)
Targets(IC50)	Virus Protease,HCV Protease,SARS-CoV,Topoisomerase

Solubility Information

Solubility	DMSO: 45 mg/mL (173.6 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8577 mL	19.2886 mL	38.5773 mL
5 mM	0.7715 mL	3.8577 mL	7.7155 mL
10 mM	0.3858 mL	1.9289 mL	3.8577 mL
50 mM	0.0772 mL	0.3858 mL	0.7715 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.

Reference

Urakova N, et al. β-d-N4-Hydroxycytidine Is a Potent Anti-alphavirus Compound That Induces a High Level of Mutations in the Viral Genome. J Virol. 2018 Jan 17;92(3). pii: e01965-17.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481