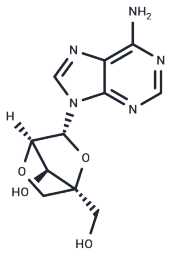
Data Sheet (Cat.No.T32826)

TargetMol

LNA-Adenosine

Chemical Properties



CAS No. : 206055-70-1

Formula: C11H13N5O4

Molecular Weight: 279.25

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	LNA-Adenosine (LNA-A) is a nucleoside analogue that acts as a ligand for adenosine A3 receptors.
Targets(IC50)	Nucleoside Antimetabolite/Analog,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 55 mg/mL (196.96 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.581 mL	17.9051 mL	35.8102 mL
5 mM	0.7162 mL	3.581 mL	7.162 mL
10 mM	0.3581 mL	1.7905 mL	3.581 mL
50 mM	0.0716 mL	0.3581 mL	0.7162 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

Petersen M,et al. LNA: a versatile tool for therapeutics and genomics. Trends Biotechnol. 2003 Feb;21(2):74-81.
Kamali MJ,et al. Locked nucleic acid (LNA): A modern approach to cancer diagnosis and treatment. Exp Cell Res. 2023 Feb 1;423(1):113442.

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