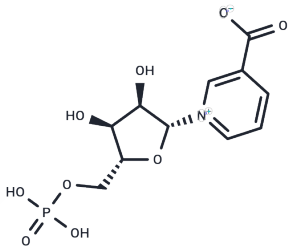
Data Sheet (Cat.No.T19477)

TargetMol

Nicotinic acid mononucleotide

Chemical Properties



CAS No. : 321-02-8

Formula: C11H14NO9P

Molecular Weight: 335.2

Storage: Store at low temperature,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	Nicotinic acid mononucleotide is composed of nicotinic acid, ribose, and phosphate groups, serving as a key intermediate in the intracellular synthesis of NAD+ (Coenzyme 1), closely associated with cellular metabolism.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	H2O: 8 mg/mL (23.87 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9833 mL	14.9165 mL	29.8329 mL
5 mM	0.5967 mL	2.9833 mL	5.9666 mL
10 mM	0.2983 mL	1.4916 mL	2.9833 mL
50 mM	0.0597 mL	0.2983 mL	0.5967 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

O'Hara JK, et al. Targeting NAD+ metabolism in the human malaria parasite Plasmodium falciparum. PLoS One. 2014 Apr 18;9(4):e94061.
Khan JA, et al. Nicotinamide adenine dinucleotide metabolism as an attractive target for drug discovery. Expert Opin Ther Targets. 2007 May;11(5):695-705.
Sasaki Y,et,al. Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection. Exp Neurol. 2021 Nov;345:113842.

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