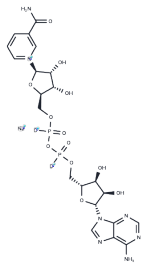
Data Sheet (Cat.No.T75289)

TargetMol

NAD sodium

Chemical Properties



CAS No. : 20111-18-6

Formula: C21H26N7NaO14P2

Molecular Weight: 685.41

Storage: Store at low temperature
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	NAD sodium (β-DPN sodium) is distributed across all human cells, involved in thousands of biochemical reactions, and is an essential coenzyme in the body.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	H2O: 250 mg/mL (364.75 mM),Sonication is recommended. DMSO: 20 mg/mL (29.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.459 mL	7.2949 mL	14.5898 mL
5 mM	0.2918 mL	1.459 mL	2.918 mL
10 mM	0.1459 mL	0.7295 mL	1.459 mL
50 mM	0.0292 mL	0.1459 mL	0.2918 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

Bartlett P.N, et, al. The oxidation of β-nicotinamide adenine dinucleotide (NADH) at poly(aniline)-coated electrodes: Part II. Kinetics of reaction at poly(aniline)-poly(styrenesulfonate) composites. 2022 May 22;486(1):23-31.

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