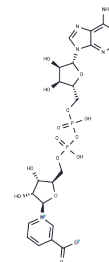


Nicotinic Acid Adenine Dinucleotide

Chemical Properties

CAS No. :	6450-77-7
Formula:	C ₂₁ H ₂₆ N ₆ O ₁₅ P ₂
Molecular Weight:	664.41
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Nicotinic Acid Adenine Dinucleotide is a precursor of NAD (Nicotinamide adenine dinucleotide) and a substrate for glutamine-dependent NAD ⁺ synthase, widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5051 mL	7.5255 mL	15.0509 mL
5 mM	0.301 mL	1.5051 mL	3.0102 mL
10 mM	0.1505 mL	0.7525 mL	1.5051 mL
50 mM	0.0301 mL	0.1505 mL	0.301 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

Pollard CL, et, al. Supplementing media with NAD⁺ precursors enhances the in vitro maturation of porcine oocytes. J Reprod Dev. 2021 Oct 29;67(5):319-326.

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