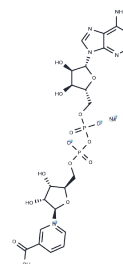


NAAD sodium salt

Chemical Properties

CAS No. :	104809-30-5
Formula:	C ₂₁ H ₂₅ N ₆ NaO ₁₅ P ₂
Molecular Weight:	686.4
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	NAAD sodium salt (NAAD Na salt) is a substrate of nicotinamide adenine dinucleotide synthase and can be used in studies about the specificity and kinetics of the substrate.
In vitro	NAAD sodium salt, produced in the biosynthesis of NAD ⁺ from tryptophan and NA ₂ , was elevated from less than 20nM to as high as 0.91μM in peripheral blood mononuclear cells[3].
In vivo	In mice, after the administration of nicotinic acid (500mg/kg; i.p.), NAAD sodium salt is observed in kidneys, ovaries, lung, heart, and brain while after the administration of radioactive nicotinamide (500mg/kg; i.p.), NAAD sodium salt is only in mouse liver[3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4569 mL	7.2844 mL	14.5688 mL
5 mM	0.2914 mL	1.4569 mL	2.9138 mL
10 mM	0.1457 mL	0.7284 mL	1.4569 mL
50 mM	0.0291 mL	0.1457 mL	0.2914 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

Elzainy TA, Ali TH. NAD deamidation "a new reaction" by an enzyme from *Aspergillus terreus* DSM 826. *Antonie Van Leeuwenhoek*. 2005 Feb;87(2):119-29.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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