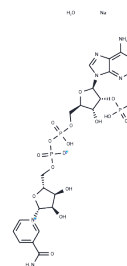


NADP+ (sodium salt hydrate)

Chemical Properties

CAS No. :	698999-85-8
Formula:	C ₂₁ H ₃₀ N ₇ NaO ₁₈ P ₃
Molecular Weight:	784.413
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	NADP+ is the oxidized form of the electron donor nicotinamide adenine dinucleotide phosphate . It serves as a cofactor in various biological reactions. In addition, the balance between these reduced and oxidized forms plays key roles in diverse cellular functions, including cell survival, the maintenance of redox status, and intracellular signaling. For example, binding of NADP+ to β -subunits of Kv channels activates ion transport, whereas NADPH stabilizes channel inactivation. NADP+ is biosynthesized from NAD+ by NAD kinase, with ATP as the phosphoryl donor.
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Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2748 mL	6.3742 mL	12.7484 mL
5 mM	0.255 mL	1.2748 mL	2.5497 mL
10 mM	0.1275 mL	0.6374 mL	1.2748 mL
50 mM	0.0255 mL	0.1275 mL	0.255 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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