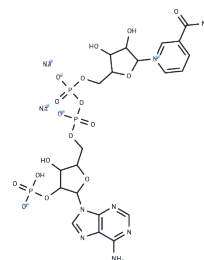


## NADP disodium salt

## Chemical Properties

CAS No. :	24292-60-2
Formula:	C <sub>21</sub> H <sub>26</sub> N <sub>7</sub> Na <sub>2</sub> O <sub>17</sub> P <sub>3</sub>
Molecular Weight:	787.37
Storage:	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	NADP disodium salt (Disodium NADP) is a nicotinamide adenine dinucleotide. NADP disodium salt is a key redox cofactor for electron transfer in the metabolism, serves as an electron carrier in a number of reactions, being alternately oxidized (NADP <sup>+</sup> ) and reduced (NADPH).
Targets(IC50)	Others,Endogenous Metabolite

## Solubility Information

Solubility	H <sub>2</sub> O: 259 mg/mL (328.94 mM),Sonication is recommended. DMSO: 1 mg/mL (1.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2701 mL	6.3503 mL	12.7005 mL
5 mM	0.254 mL	1.2701 mL	2.5401 mL
10 mM	0.127 mL	0.635 mL	1.2701 mL
50 mM	0.0254 mL	0.127 mL	0.254 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 Carugo, et al. NADP-dependent enzymes. I: Conserved stereochemistry of cofactor binding. *Proteins*. 1997 May; 28(1):10-28.
- Zhao FL, et al. A genetically encoded biosensor for in vitro and in vivo detection of NADP<sup>+</sup>. *Biosens Bioelectron*. 2016 Mar 15;77:901-6.

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