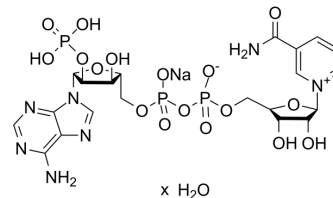


NADP sodium hydrate

Cat. No.:	HY-113325A
CAS No.:	698999-85-8
Molecular Formula:	$C_{21}H_{29}N_7NaO_{18}P_3$
Molecular Weight:	783.4
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NADP sodium hydrate, a β -Nicotinamide adenine dinucleotide phosphate sodium salt, is a redox cofactor. NADP sodium hydrate is a key cofactor for electron transfer in the metabolism, being alternately oxidized (NADP ⁺) and reduced (NADPH) ^[1] [2].
IC₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

- Cell Prolif. 2021 Feb 25;e13015.
- Cell Oncol. 2023 Mar 13.
- Eur J Pharm Sci. 2023 May 22;106475.
- Insect Biochem Mol Biol. 2023 May 12;103958.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Carugo O, et al. NADP-dependent enzymes. I: Conserved stereochemistry of cofactor binding. *Proteins*. 1997;28(1):10-28.
- [2]. Zhao FL, et al. A genetically encoded biosensor for in vitro and in vivo detection of NADP(.). *Biosens Bioelectron*. 2016;77:901-906.

Caution: Product has not been fully validated for medical applications. For research use only.

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