NADPH . tetrasodium salt

NADPH provides the reducing equivalents for biosynthetic reactions and the oxidation-reduction involved in protecting against the toxicity of ROS (reactive oxygen species), allowing the regeneration of GSH (reduced glutathione). NADPH is also used for anabolic pathways, such as lipid synthesis, cholesterol synthesis, and fatty acid chain elongation. The NADPH system is also responsible for generating free radicals in immune cells. These radicals are used to destroy pathogens in a process termed the respiratory burst. It is the source of reducing equivalents for cytochrome P450 hydroxylation of aromatic compounds, steroids, alcohols, and drugs.

Citations: 12 View Online »

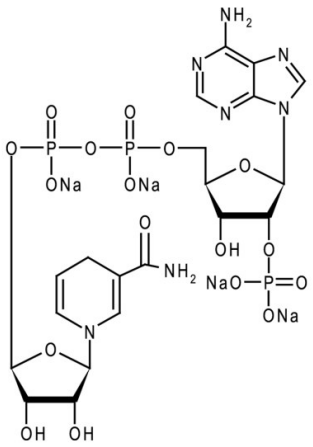
Ordering Information

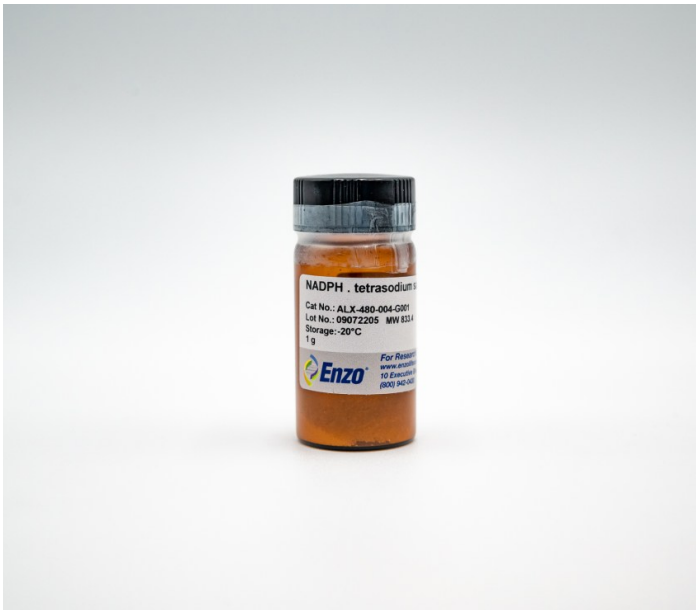
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ALX-480-004-M050	50mg
ALX-480-004-M250	250mg
ALX-480-004-G001	1g

Manuals, SDS & CofA

View Online »




NADPH . tetrasodium
Cat No.: ALX-480-004-G001
Lot No.: 09072205
Storage: -20°C
1 g
Enzo

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. NADPH is unstable in acid media. Stock solutions should be at pH 8.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	β-Nicotinamide Adenine Dinucleotide Phosphate (reduced form) . 4Na, β-NADPH . 4Na
Appearance	White to light yellow powder.
CAS	2646-71-1
Formula	$C_{21}H_{26}N_7O_{17}P_3$. 4Na
MW	741.4 . 92.0
Purity	≥95% (HPLC)
Solubility	Soluble in water (50mg/ml) or 0.01M sodium hydroxide.

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