

**Product Name:** NADPH tetrasodium salt hydrate, 96%, extra pure, Thermo Scientific Chemicals

**Catalog Number:** 328740010

**CAS Number:** 2646-71-1

**IUPAC Name:** tetrasodium  
um  
[(2R,3R,4R,5R)-5-(6-amino-9H-purin-9-yl)-3-hydroxy-4-(phosphonatooxy)oxolan-2-yl]methyl  
{[(2R,3S,4R,5R)-5-(3-carbamoyl-1,4-dihydropyridin-1-yl)-3,4-dihydroxyoxolan-2-yl]methyl  
phosphonato}oxyphosphonate

**Molecular Formula:** C<sub>21</sub>H<sub>26</sub>N<sub>7</sub>Na<sub>4</sub>O<sub>17</sub>P<sub>3</sub>

**Molecular Weight:** 833.35

**MDL Number:** MFCD10567216

**InChI Key:** WYWWWVJHQDVCHKF-NRTBITFTNA-J

**SMILES:** [Na+].[Na+].[Na+].[Na+].NC(=O)C1=CN(C=CC1)[C@@H]1O[C@H](COP([O-])(=O)OP([O-])(=O)OC[C@H]2O[C@H]([C@H]([C@H](OP([O-])([O-])=O)[C@@H]2O)N2C=NC3=C(N)N=CN=C23)[C@@H](O)[C@H]1O

**Synonym:** tetrasodium  
[(2R,3R,4R,5R)-5-(6-aminopurin-9-yl)-3-hydroxy-4-(phosphonatooxy)oxolan-2-yl]methyl  
{[(2R,3S,4R,5R)-5-(3-carbamoyl-4H-pyridin-1-yl)-3,4-dihydroxyoxolan-2-yl]methyl  
phosphonato}oxyphosphonate

## Product Specification

**Appearance (Color):** White to light yellow

**Appearance (Form):** Powder

**Infrared spectrum:** Conforms

**HPLC:** ≥95 %

**Sodium (Na):** 10 to 12 %

**Water:** ≤8 % (K.F.)

**Date Of Print:** 03/12/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*