

## 5-Phospho-D-ribose 1-diphosphate sodium salt hydrate

## Chemical Properties

CAS No. :

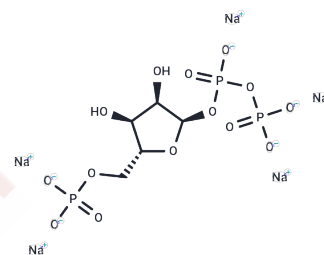
Formula: C<sub>5</sub>H<sub>8</sub>Na<sub>5</sub>O<sub>14</sub>P<sub>3</sub>

Molecular Weight: 499.98

Store at low temperature

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	5-Phospho-D-ribose 1-diphosphate sodium salt hydrate (PRPP sodium salt hydrate) is a substrate for o-aminobenzoic acid phosphoribosyltransferase.
Targets(IC50)	Others

## Solubility Information

Solubility	PBS (pH 7.2): 5 mg/mL (10 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	2.0001 mL	10.0004 mL	20.0008 mL
5 mM	0.400 mL	2.0001 mL	4.0002 mL
10 mM	0.200 mL	1.000 mL	2.0001 mL
50 mM	0.040 mL	0.200 mL	0.400 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

Scully TW, et al. Structure, mechanism and inhibition of anthranilate phosphoribosyltransferase. Philos Trans R Soc Lond B Biol Sci. 2023 Feb 27;378(1871):20220039.

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