



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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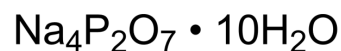
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## Sodium pyrophosphate decahydrate

<b>Cat. No.:</b>	HY-W094510
<b>CAS No.:</b>	13472-36-1
<b>Molecular Formula:</b>	$H_{20}Na_4O_{17}P_2$
<b>Molecular Weight:</b>	446.06
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 33.33 mg/mL (74.72 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2419 mL	11.2093 mL	22.4185 mL
	5 mM	0.4484 mL	2.2419 mL	4.4837 mL
	10 mM	0.2242 mL	1.1209 mL	2.2419 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Sodium pyrophosphate decahydrate can be as a buffering agent, a chelator and a hydrated salt nucleating agent. Sodium pyrophosphate decahydrate can also be used to a raw material for synthetic laundry scent additives<sup>[1][2]</sup>.

### REFERENCES

- [1]. Xin Xu, et al. Local Electric Field Modulated Reactivity of Pseudomonas aeruginosa Acid Phosphatase for Enhancing Phosphorylation of L-Ascorbic Acid. ACS Catal. 2021, 11, 21, 13397-13407.
- [2]. Kai Luo, et al. Preparation and Thermal Performance Analysis of New Composite Phase Change Materials of Sodium Acetate Trihydrate and Different Additives. Volume7, Issue13. April 5, 2022. e202104346

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

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