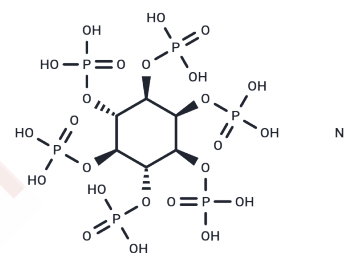


## Phytic acid sodium salt

### Chemical Properties

CAS No. : 14306-25-3  
 Formula:  $C_6H_{18}O_{24}P_6 \cdot xNa$   
 Molecular Weight: 923.82  
 Storage: Powder:  $-20^{\circ}C$  for 3 years | In solvent:  $-80^{\circ}C$  for 1 year  
*Actual storage temperature shall be subject to the COA.*



### Biological Description

Description	Phytic acid sodium salt (Sodium phytate hydrate) is known to function as a $[PO_4]^{3-}$ storage depot and a precursor for other inositol phosphates and pyrophosphates. It is a potent chelator of divalent and trivalent cations in vitro.
Targets(IC50)	Beta Amyloid,Others,Endogenous Metabolite,Autophagy

### Solubility Information

Solubility	DMSO: Insoluble, H <sub>2</sub> O: 20 mg/mL (21.65 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	1.0825 mL	5.4123 mL	10.8246 mL
5 mM	0.2165 mL	1.0825 mL	2.1649 mL
10 mM	0.1082 mL	0.5412 mL	1.0825 mL
50 mM	0.0216 mL	0.1082 mL	0.2165 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

Shears SB. Assessing the omnipotence of inositol hexakisphosphate. Cell Signal. 2001 Mar;13(3):151-8.

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