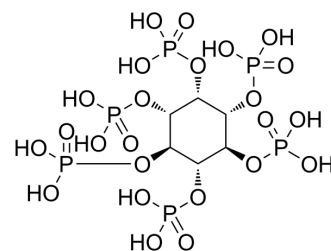


## Phytic acid sodium salt

Cat. No.:	HY-N2581
CAS No.:	14306-25-3
Molecular Formula:	C <sub>6</sub> H <sub>18</sub> O <sub>24</sub> P <sub>6</sub> .xNa
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



x Na

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 100 mg/mL (ultrasonic and warming and heat to 41°C)
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### BIOLOGICAL ACTIVITY

Description	Phytic acid sodium salt (myo-Inositol; hexakis dihydrogen phosphate; Inositol hexaphosphat) is often present in legume seeds with antinutritional effects. Phytic acid sodium salt is a [PO <sub>4</sub> ] <sup>3-</sup> storage depot and precursor for other inositol phosphates and pyrophosphates. phytic acid is hydrolyzed by phytases in a stepwise manner in the plant <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: precursor for inositol phosphates and pyrophosphates <sup>[1]</sup>

### CUSTOMER VALIDATION

- SSRN. 2022 Jan 26.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

[1]. Shears SB, et al. Assessing the omnipotence of inositol hexakisphosphate. Cell Signal. 2001 Mar;13(3):151-8.

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

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