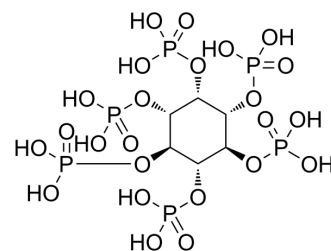


Phytic acid sodium salt

Cat. No.:	HY-N2581
CAS No.:	14306-25-3
Molecular Formula:	$C_6H_{18}O_{24}P_6 \cdot xNa$
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 ₂ O : 100 mg/mL (ultrasonic and warming and heat to 41°C)
-----------------	------------------------------------------------------------------------

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 ₄] ³⁻ storage depot and precursor for other inositol phosphates and pyrophosphates. phytic acid is hydrolyzed by phytases in a stepwise manner in the plant ^[1] .
IC₅₀ & Target	IC50: precursor for inositol phosphates and pyrophosphates ^[1]

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA