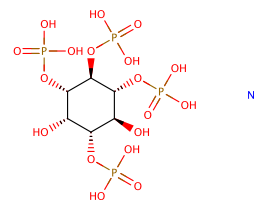


## D-myo-Inositol-1,3,4,5-tetrphosphate (sodium salt)

## Chemical Properties

CAS No. :	210488-61-2
Formula:	C <sub>6</sub> H <sub>8</sub> Na <sub>8</sub> O <sub>18</sub> P <sub>4</sub>
Molecular Weight:	675.93
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	D-myo-Inositol-1,3,4,5-tetrphosphate (Ins(1,3,4,5)-P <sub>4</sub> ) is formed by the phosphorylation of Ins(1,4,5)P <sub>3</sub> by inositol 1,4,5-triphosphate 3-kinase. Ins(1,3,4,5)-P <sub>4</sub> increases intracellular calcium levels by two distinct mechanisms: opening calcium channels on both the endoplasmic reticulum to release calcium from internal stores and on the plasma membrane to allow the influx of calcium from outside the cell.
Targets(IC50)	Others, Calcium Channel

## Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4794 mL	7.3972 mL	14.7944 mL
5 mM	0.2959 mL	1.4794 mL	2.9589 mL
10 mM	0.1479 mL	0.7397 mL	1.4794 mL
50 mM	0.0296 mL	0.1479 mL	0.2959 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.

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