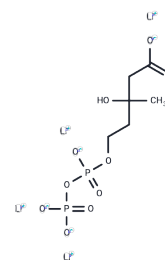


## Mevalonic acid 5-pyrophosphate tetralithium

## Chemical Properties

CAS No. :	108869-00-7
Formula:	C <sub>6</sub> H <sub>10</sub> Li <sub>4</sub> O <sub>10</sub> P <sub>2</sub>
Molecular Weight:	331.85
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	Mevalonic acid 5-pyrophosphate (also known as 5-Diphosphomevalonic acid) tetralithium is an endogenous metabolite involved in the mevalonate pathway.
Targets(IC50)	Others,Endogenous Metabolite
In vitro	Mevalonate 5-pyrophosphate decarboxylase catalyzes the ATP-dependent transformation of Mevalonic acid 5-pyrophosphate (Mevalonate 5-pyrophosphate) into isopentenyl pyrophosphate (IPP)[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0134 mL	15.067 mL	30.1341 mL
5 mM	0.6027 mL	3.0134 mL	6.0268 mL
10 mM	0.3013 mL	1.5067 mL	3.0134 mL
50 mM	0.0603 mL	0.3013 mL	0.6027 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

Jeffrey M Vinokur, et al. An Adaptation To Life In Acid Through A Novel Mevalonate Pathway. Sci Rep. 2016 Dec 22; 6:39737.

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