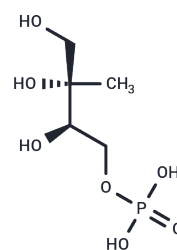


## 2-C-Methyl-D-erythritol 4-phosphate

## Chemical Properties

CAS No. :	206440-72-4
Formula:	C <sub>5</sub> H <sub>13</sub> O <sub>7</sub> P
Molecular Weight:	216.13
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	2-C-Methyl-D-erythritol 4-phosphate is a unique metabolic intermediate exclusive to the non-mevalonate pathway (MEP) predominantly found in prokaryotes. It serves as a precursor for the synthesis of both isoprenoids and non-isoprenoids (including vitamins). Not present in humans, this compound represents a promising target for the development of bacterial-specific drugs for treating infectious diseases.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6268 mL	23.1342 mL	46.2684 mL
5 mM	0.9254 mL	4.6268 mL	9.2537 mL
10 mM	0.4627 mL	2.3134 mL	4.6268 mL
50 mM	0.0925 mL	0.4627 mL	0.9254 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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