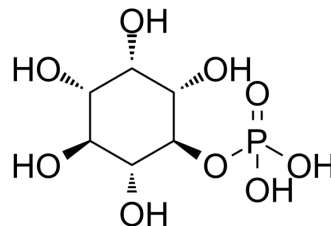


## D-myo-Inositol 4-monophosphate

<b>Cat. No.:</b>	HY-W145699
<b>CAS No.:</b>	69256-52-6
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>13</sub> O <sub>9</sub> P
<b>Molecular Weight:</b>	260
<b>Target:</b>	Endogenous Metabolite; Biochemical Assay Reagents
<b>Pathway:</b>	Metabolic Enzyme/Protease; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	D-myo-Inositol 4-mono-phosphate, also known as IMP, is a phosphorylated form of inositol that is commonly found in various metabolic pathways, especially in the biosynthesis of phospholipids and cell signaling molecules. D-myo-Inositol 4-mono-phosphate has unique chemical properties that make it an important intermediate in the production of second messengers, such as inositol triphosphate (IP3) and diacylglycerol (DAG), which signal in cells plays a key role in. D-myo-Inositol 4-mono-phosphate is also used in dietary supplements and pharmaceuticals because of its potential health benefits, including improved insulin sensitivity and cognitive function.
<b>In Vitro</b>	D-myo-Inositol 4-mono-phosphate is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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