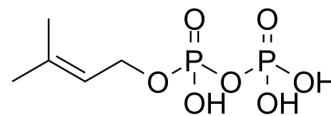


DMAPP

Cat. No.:	HY-130573
CAS No.:	358-72-5
Molecular Formula:	C ₅ H ₁₂ O ₇ P ₂
Molecular Weight:	246.09
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DMAPP (Dimethylallyl pyrophosphate) is an isoprenoid precursor. DMAPP, as an isomer of isopentenyl pyrophosphate (IPP), exists in virtually all life forms ^[1] .
In Vitro	DMAPP (Dimethylallyl pyrophosphate) is an isoprenoid precursor. DMAPP is a product of both the mevalonate pathway and the MEP pathway of isoprenoid precursor biosynthesis. DMAPP is an isomer of isopentenyl pyrophosphate (IPP) and exists in virtually all life forms. The enzyme isopentenyl pyrophosphate isomerase catalyzes isomerization between DMAPP and IPP ^[1] MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wang W, et al. Bioorganometallic chemistry with IspG and IspH: structure, function, and inhibition of the [Fe(4)S(4)] proteins involved in isoprenoid biosynthesis. *Angew Chem Int Ed Engl.* 2014;53(17):4294-4310.

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

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