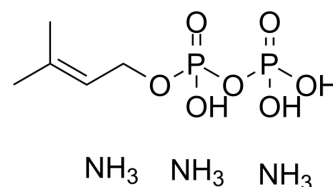


DMAPP triammonium

Cat. No.:	HY-130573A		
CAS No.:	1186-30-7		
Molecular Formula:	C ₅ H ₂₁ N ₃ O ₇ P ₂		
Molecular Weight:	297.18		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

DMAPP (Dimethylallyl diphosphate) triammonium is an isoprenoid precursor. DMAPP triammonium, as an isomer of isopentenyl pyrophosphate (IPP), exists in virtually all life forms^[1].

In Vitro

DMAPP triammonium is an isoprenoid precursor. DMAPP triammonium is a product of both the mevalonate pathway and the MEP pathway of isoprenoid precursor biosynthesis. DMAPP triammonium 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA