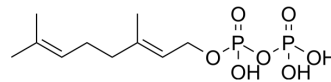


Geranyl diphosphate

Cat. No.:	HY-114295
CAS No.:	763-10-0
Molecular Formula:	C ₁₀ H ₂₀ O ₇ P ₂
Molecular Weight:	314.21
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Geranyl diphosphate is a key intermediate in the isoprenoid biosynthesis pathway (IBP). HY-114295 plays key roles in cellular metabolism and is responsible for the production of both sterol and non-sterol isoprenoids ^{[1][2]} .
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	Geranyl diphosphate, an isoprenoids (IsoP), involves in many different cellular processes including cholesterol synthesis ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Chhonker YS, et, al. Simultaneous Quantitation of Isoprenoid Pyrophosphates in Plasma and Cancer Cells Using LC-MS/MS. *Molecules*. 2018 Dec 11;23(12):3275.
- [2]. Chang TH, et, al. Structure of a heterotetrameric geranyl pyrophosphate synthase from mint (*Mentha piperita*) reveals intersubunit regulation. *Plant Cell*. 2010 Feb;22(2):454-67.

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