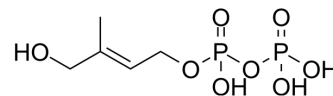


HMBPP

Cat. No.:	HY-134891
CAS No.:	396726-03-7
Molecular Formula:	C ₅ H ₁₂ O ₈ P ₂
Molecular Weight:	262.09
Target:	Nuclear Factor of activated T Cells (NFAT)
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HMBPP (E-4-Hydroxy-3-methyl-but-2-enyl diphosphate) is an activator for human Vy9/Vδ2 T cells. HMBPP exhibits phagostimulant property in mosquitos ^{[1][2]} .
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REFERENCES

- [1]. Hintz M, et al., Identification of (E)-4-hydroxy-3-methyl-but-2-enyl pyrophosphate as a major activator for human gammadelta T cells in Escherichia coli. FEBS Lett. 2001 Dec 7;509(2):317-22.
- [2]. Stromsky VE, et al., Plasmodium metabolite HMBPP stimulates feeding of main mosquito vectors on blood and artificial toxic sources. Commun Biol. 2021 Oct 7;4(1):1161.

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

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