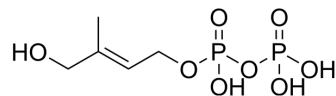


## HMBPP

<b>Cat. No.:</b>	HY-134891
<b>CAS No.:</b>	396726-03-7
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>12</sub> O <sub>8</sub> P <sub>2</sub>
<b>Molecular Weight:</b>	262.09
<b>Target:</b>	Nuclear Factor of activated T Cells (NFAT)
<b>Pathway:</b>	Immunology/Inflammation
<b>Storage:</b>	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 Vγ9/Vδ2 T cells. HMBPP exhibits phagostimulant property in mosquitos<sup>[1][2]</sup>.

## 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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