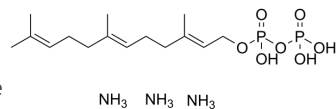


## Farnesyl Pyrophosphate ammonium

Cat. No.:	HY-113037C
Molecular Formula:	$C_{15}H_{37}N_3O_7P_2$
Molecular Weight:	433.42
Target:	TRP Channel; Endogenous Metabolite
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	Solution, -20°C, 2 years



### BIOLOGICAL ACTIVITY

#### Description

Farnesyl Pyrophosphate ammonium salt, a 15-carbon isoprenoid, is a metabolic intermediate of the mevalonate (MVA) pathway. Farnesyl pyrophosphate ammonium salt is a TRPM2 (TRP Channel) agonist, and activates TRPM2 opening for ion influx. Farnesyl pyrophosphate ammonium salt is a key branch substrate for cholesterol synthesis, ubiquinones synthesis, protein farnesylation decoration, and geranyl-geranyl pyrophosphate (GGPP) synthesis<sup>[1]</sup>.

### REFERENCES

[1]. Jing Chen, et al. Farnesyl pyrophosphate is a new danger signal inducing acute cell death. PLoS Biol. 2021 Apr 26;19(4):e3001134.

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

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