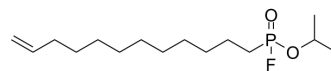


## Isopropyl dodec-11-enylfluorophosphonate

Cat. No.:	HY-148909
CAS No.:	623114-64-7
Molecular Formula:	C <sub>15</sub> H <sub>30</sub> FO <sub>2</sub> P
Molecular Weight:	292.37
Target:	Cannabinoid Receptor; FAAH
Pathway:	GPCR/G Protein; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Isopropyl dodec-11-enylfluorophosphonate (IDEFP) is an organophosphorus ester that antagonizes the central cannabinoid receptor (CB1) and inhibits FAAH with similar potencies (IC <sub>50</sub> = 2 nM) <sup>[1]</sup> .
IC <sub>50</sub> & Target	CB1 2 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Michael A Casasanta, et al. A chemical and biological toolbox for Type Vd secretion: Characterization of the phospholipase A1 autotransporter FpIa from *Fusobacterium nucleatum*. *J Biol Chem*. 2017 Dec 8;292(49):20240-20254.

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

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