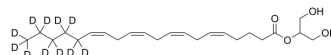


## 2-Arachidonoylglycerol-d<sub>11</sub>

Cat. No.:	HY-W011051S2
CAS No.:	2260670-54-8
Molecular Formula:	C <sub>23</sub> H <sub>27</sub> D <sub>11</sub> O <sub>4</sub>
Molecular Weight:	389.61
Target:	Cannabinoid Receptor; Endogenous Metabolite; Cannabinoid Receptor; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Neuronal Signaling; Metabolic Enzyme/Protease; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	2-Arachidonoylglycerol-d <sub>11</sub> is deuterium labeled 2-Arachidonoylglycerol. 2-Arachidonoylglycerol is a second endogenous cannabinoid ligand in the central nervous system[1].
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Stella N, et al. A second endogenous cannabinoid that modulates long-term potentiation. *Nature*. 1997 Aug 21;388(6644):773-8.
- [2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-223.

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

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