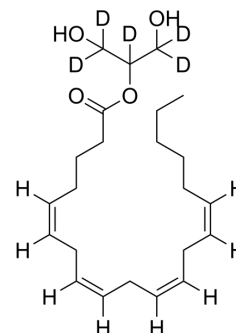


2-Arachidonoylglycerol-d₅

Cat. No.:	HY-W011051S1
CAS No.:	2522598-88-3
Molecular Formula:	C ₂₃ H ₃₃ D ₅ O ₄
Molecular Weight:	383.58
Target:	Cannabinoid Receptor; Endogenous Metabolite
Pathway:	GPCR/G Protein; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	Solution, -20°C, 2 years



BIOLOGICAL ACTIVITY

Description	2-Arachidonoylglycerol-d ₅ is the deuterium labeled 2-Arachidonoylglycerol. 2-Arachidonoylglycerol is a second endogenous cannabinoid ligand in the central nervous system.
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 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. Stella N, et al. A second endogenous cannabinoid that modulates long-term potentiation. *Nature.* 1997 Aug 21;388(6644):773-8.

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

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