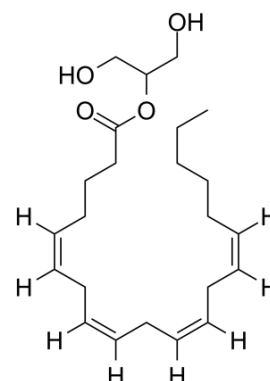


## 2-Arachidonoylglycerol

Cat. No.:	HY-W011051
CAS No.:	53847-30-6
Molecular Formula:	C <sub>23</sub> H <sub>38</sub> O <sub>4</sub>
Molecular Weight:	378.55
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 is a second endogenous cannabinoid ligand in the central nervous system.
IC <sub>50</sub> & Target	Human Endogenous Metabolite
In Vitro	2-Arachidonoylglycerol (2-AG) is a cannabinoid ligand isolated from intestinal tissue. 2-Arachidonoylglycerol activates neuronal cannabinoid receptors as a full agonist, and prevents the induction of long-term potentiation at CA3-CA1 synapses. 2-Arachidonoylglycerol binds to cannabinoid receptors and exerts several effects typical of cannabinoid drugs <sup>[1]</sup> .

### REFERENCES

[1]. 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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