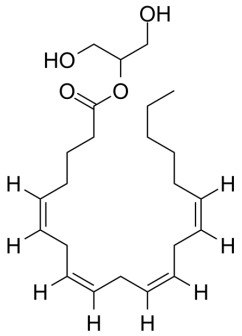
2-Arachidonoylglycerol

Cat. No.:	HY-W011051
CAS No.:	53847-30-6
Molecular Formula:	$C_{23}H_{38}O_4$
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_{50} & Target	Human Endogenous Metabolite
In Vitro	2-Arachidonylglycerol (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[1]. 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.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA