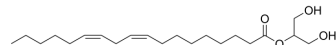


2-Linoleoyl glycerol

Cat. No.:	HY-130311
CAS No.:	3443-82-1
Molecular Formula:	C ₂₁ H ₃₈ O ₄
Molecular Weight:	354.52
Target:	Cannabinoid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2-Linoleoyl glycerol (2-Monolinolein; 2-Monolinoleoylglycerol) is a monoacylglycerol that is an antagonist and partial agonist at the type 1 cannabinoid CB1 receptor. The potency of 2-Linoleoyl glycerol can be enhanced by JZL195 (HY-15250), an inhibitor of FAAH and MAGL, and inhibited by the CB1 antagonist AM251 (HY-15443) and Cannabidiol. As a CB1 antagonist, 2-Linoleoyl glycerol does not enhance, but only attenuates, the activity of the CB1/CB2 receptor ligands cannabinoids (AEA) and 2-arachidonoylglycerol (2-AG) ^{[1][2]} .
IC ₅₀ & Target	CB1 ^[1]

REFERENCES

[1]. Lu L, et al. 2-Linoleoylglycerol is a partial agonist of the human cannabinoid type 1 receptor that can suppress 2-arachidonoylglycerol and anandamide activity[J]. Cannabis and cannabinoid research, 2019, 4(4): 231-239.

[2]. Sugiura T, et al. 2-Arachidonoylglycerol, a putative endogenous cannabinoid receptor ligand, induces rapid, transient elevation of intracellular free Ca²⁺ in neuroblastoma x glioma hybrid NG108-15 cells[J]. Biochemical and biophysical research communications, 1996, 229(1): 58-64.

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