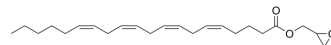


O-Arachidonoyl glycidol

Cat. No.:	HY-131995
CAS No.:	439146-24-4
Molecular Formula:	C ₂₃ H ₃₆ O ₃
Molecular Weight:	360.53
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

O-Arachidonoyl glycidol (compound 1) is a 2-arachidonoylglycerol (2-AG) analog. O-Arachidonoyl glycidol inhibits cytosolic 2-oleoylglycerol (2-OG) hydrolysis with an IC₅₀ value of 4.5 μM. O-Arachidonoyl glycidol blocks 2-OG hydrolysis in membrane fractions and anandamide hydrolysis with IC₅₀s of 19, 12 μM, respectively^[1].

REFERENCES

[1]. Cisneros JA, et al. Structure-activity relationship of a series of inhibitors of monoacylglycerol hydrolysis--comparison with effects upon fatty acid amide hydrolase. *J Med Chem.* 2007 Oct 4;50(20):5012-23.

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

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