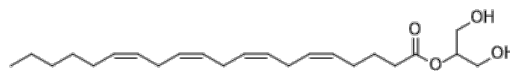


Product Name : 2-arachidonoylglycerol
Cat. No. : PC-26931
CAS No. : 53847-30-6
Molecular Formula : C₂₃H₃₈O₄
Molecular Weight : 378.55
Target : Calcium Channel
Solubility : 10 mM in DMSO



Biological Activity

2-arachidonoylglycerol (2-AG) is an endocannabinoid and potent, small molecule sperm calcium channel (CatSper) inhibitor, inhibits ICatSper with IC₅₀ of 350 nM for outward currents and 670 nM for inward currents.

2-arachidonoylglycerol (2-AG) inhibits mouse ICatSper but with less efficacy than it inhibits human ICatSper.

References

Edwards M, et al. Hum Reprod. 2026 May 29;deag085.

Miller MR, et al. Science. 2016 Apr 29;352(6285):555-9.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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