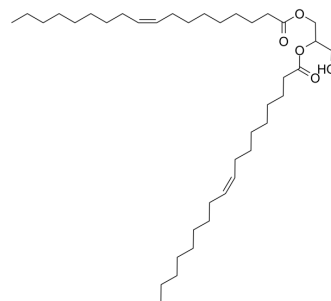


(±)-1,2-Diolein

Cat. No.:	HY-115767
CAS No.:	2442-61-7
Molecular Formula:	C ₃₉ H ₇₂ O ₅
Molecular Weight:	620.99
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(±)-1,2-Diolein (1,2-Dioleoyl-rac-glycerol) is a PKC activator. (±)-1,2-Diolein increases myotubes Ca ²⁺ influx ^[1] .								
IC₅₀ & Target	PKC ^[1]								
In Vitro	<p>(±)-1,2-Diolein (50 μM; 5 min) increases Ca²⁺ influx significantly^[1].</p> <p>(±)-1,2-Diolein (50 μM; 5 min) induces PKC activity of myoblasts cells^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Western Blot Analysis^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>Myoblasts cells</td> </tr> <tr> <td>Concentration:</td> <td>50 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>5 min</td> </tr> <tr> <td>Result:</td> <td>Induced PKC activity.</td> </tr> </table>	Cell Line:	Myoblasts cells	Concentration:	50 μM	Incubation Time:	5 min	Result:	Induced PKC activity.
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Concentration:	50 μM								
Incubation Time:	5 min								
Result:	Induced PKC activity.								

REFERENCES

[1]. Capiati DA, et al. Role of protein kinase C in 1,25(OH)₂-vitamin D₃ modulation of intracellular calcium during development of skeletal muscle cells in culture. J Cell Biochem. 2000;77(2):200-212.

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

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