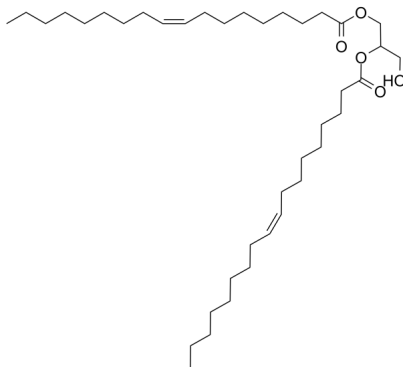


Certificate of Analysis

Catalog Number	BP13605
Product Name	(±)-1,2-Diolein

Physical and Chemical Properties

Synonyms	1,2-Dioleoyl-rac-glycerol
CAS No.	2442-61-7
Chemical Formula	C39H72O5
Molecular Weight	621
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	(±)-1,2-Diolein (1,2-Dioleoyl-rac-glycerol) is a PKC activator. (±)-1,2-Diolein increases myotubes Ca ²⁺ influx .
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In vitro	(±)-1,2-Diolein (50 µM; 5 min) increases Ca ²⁺ influx significantly. (±)-1,2-Diolein (50 µM; 5 min) induces PKC activity of myoblasts cells. Western Blot Analysis Cell Line: Myoblasts cells Concentration: 50 µM Incubation Time: 5 min Result: Induced PKC activity.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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