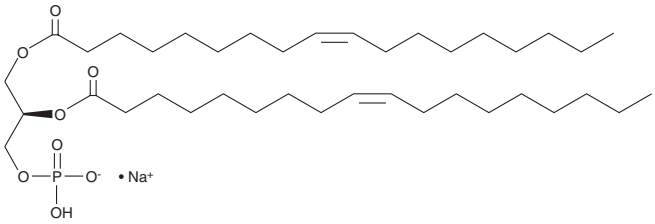
PRODUCT INFORMATION

1,2-Dioleoyl-*sn*-glycero-3-PA (sodium salt)

Item No. 34274

CAS Registry No.: 108392-02-5
Formal Name: 9Z-octadecenoic acid-1,1′-[(1R)-1-[(phosphonooxy) methyl]-1,2-ethanediyl] ester, monosodium salt
Synonyms: 1,2-Dioctadecenoyl-*sn*-glycero-3-PA, 1,2-Dioctadecenoyl-*sn*-glycero-3-phosphatidic Acid, 1,2-Dioleoyl-*sn*-glycero-3-phosphate, 1,2-Dioleoyl-*sn*-glycero-3-phosphatidic Acid, 1,2-DOPA 18:1/18:1-PA
MF: $C_{39}H_{72}O_8P \bullet Na$
FW: 723.0
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

1,2-Dioleoyl-*sn*-glycero-3-PA (sodium salt) is supplied as a solid. A stock solution may be made by dissolving the 1,2-dioleoyl-*sn*-glycero-3-PA (sodium salt) in the solvent of choice, which should be purged with an inert gas. 1,2-dioleoyl-*sn*-glycero-3-PA (sodium salt) is soluble in methanol.

Description

1,2-Dioleoyl-*sn*-glycero-3-PA is a phospholipid containing the long-chain (18:1) fatty acid oleic acid (Item Nos. 90260 | 24659) inserted at the *sn*-1 and *sn*-2 positions. It has been used in the generation of micelles, liposomes, and other artificial membranes.[1-2]

References

1. Takahashi, T., Nomura, F., Yokoyama, Y., *et al.* Multiple membrane interactions and versatile vesicle deformations elicited by melittin. *Toxins (Basel)* **5(4)**, 637-664 (2013).
2. Vequi-Suplicy, C.C., Riske, K.A., Knorr, R.L., *et al.* Vesicles with charged domains. *Biochim. Biophys. Acta* **1798(7)**, 1338-1347 (2010).

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