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# Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


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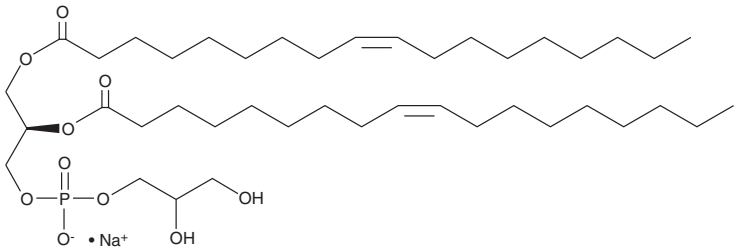
# PRODUCT INFORMATION

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

*Item No. 20957*

**CAS Registry No.:** 67254-28-8
**Formal Name:** 9-octadecenoic acid (9Z)-1,1'-[(1R)-1-[[[(2,3-dihydroxypropoxy) hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl] ester, monosodium salt
**Synonyms:** 1,2-Dioleoyl-*sn*-glycero-3-phospho-(1'-*rac*-glycerol), 1,2-Dioleoyl-*sn*-glycero-3-phosphoglycerol, DOPG, 18:1 ($\Delta^9$-*cis*) PG
**MF:** $C_{42}H_{78}O_{10}P \bullet Na$
**FW:** 797.0
**Purity:** ≥95%
**Supplied as:** A crystalline solid
**Storage:** -80°C
**Stability:** ≥1 year



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

### Laboratory Procedures

1,2-Dioleoyl-*sn*-glycero-3-PG (DOPG) (sodium salt) is supplied as a crystalline solid. A stock solution may be made by dissolving the DOPG (sodium salt) in the solvent of choice, which should be purged with an inert gas. DOPG (sodium salt) is soluble in the organic solvent chloroform at a concentration of approximately 2 mg/ml.

### Description

DOPG is a phospholipid containing the long-chain (18:1) fatty acid oleic acid (Item No. 90260) inserted at the *sn*-1 and *sn*-2 positions. It can be 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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