

# PRODUCT INFORMATION



## 1-Palmitoyl-2-Oleoyl-*sn*-glycero-3-PA

Item No. 20963

CAS Registry No.: 62600-81-1

Formal Name: (1R)-1-[[[(1-oxohexadecyl)oxy]methyl]-2-(phosphonooxy)-9Z-octadecenoic acid ethyl ester

Synonyms: 16:0-18:1 PA, 16:0/18:1-PA, PA(16:0/18:1), 1-Hexadecanoyl-2-Octadecenoyl-*sn*-glycero-3-PA, 1-Hexadecanoyl-2-Octadecenoyl-*sn*-glycero-3-phosphate, 1-Hexadecanoyl-2-Octadecanoyl-*sn*-glycero-3-phosphatidic Acid, 1-Palmitoyl-2-Oleoyl-*sn*-glycero-3-phosphate, 1-Palmitoyl-2-Oleoyl-*sn*-glycero-3-Phosphatidic Acid, 1,2-POPA

MF: C<sub>37</sub>H<sub>71</sub>O<sub>8</sub>P

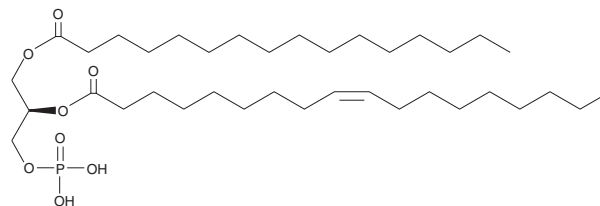
FW: 674.9

Purity: ≥95%

Supplied as: A solution in chloroform

Storage: -20°C

Stability: ≥1 year



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

### Laboratory Procedures

1-Palmitoyl-2-oleoyl-*sn*-glycero-3-PA (1,2-POPA) is supplied as a solution in chloroform. 1,2-POPA is soluble in the organic solvent chloroform at a concentration of approximately 5 mg/ml.

### Description

1,2-POPA is a phospholipid containing saturated palmitic acid (16:0) and monounsaturated oleic acid (18:1) inserted at the *sn*-1 and *sn*-2 positions, respectively. It can be used in the generation of micelles, liposomes, and other types of artificial membranes.<sup>1</sup>

### Reference

1. Mansour, H.M. and Zografi, G. The relationship between water vapor absorption and desorption by phospholipids and bilayer phase transitions. *J. Pharm. Sci.* **96**(2), 377-396 (2007).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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