

PRODUCT INFORMATION



1-Stearoyl-2-oleoyl-*sn*-glycero-3-phosphoserine

Item No. 46203

CAS Registry No.: 124262-93-7

Formal Name: O-[hydroxy[(2R)-2-[[[(9Z)-1-oxo-9-octadecen-1-yl]oxy]-3-[[1-oxooctadecyl]oxy]propoxy]phosphinyl]-L-serine

Synonyms: 1,2-SOPS, 1-Octadecanoyl-2-(9(Z)-octadecenoyl)-*sn*-glycero-3-phosphoserine, 1-Stearoyl-2-oleoyl Phosphatidylserine, PS(18:0/18:1), PS(18:0/18:1(9Z)), PtdSer-(1-stearoyl, 2-oleoyl)

MF: $C_{42}H_{80}NO_{10}P$

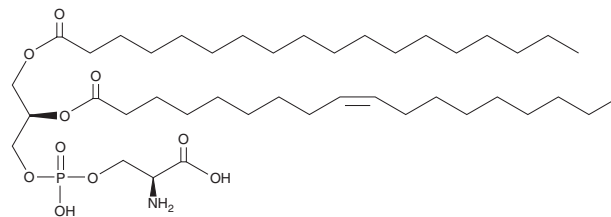
FW: 790.1

Purity: $\geq 95\%$

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-Stearoyl-2-oleoyl-*sn*-glycero-3-phosphoserine is supplied as a solid. A stock solution may be made by dissolving the 1-stearoyl-2-oleoyl-*sn*-glycero-3-phosphoserine in the solvent of choice, which should be purged with an inert gas. 1-Stearoyl-2-oleoyl-*sn*-glycero-3-phosphoserine is sparingly soluble (1-10 mg/ml) in chloroform:methanol (2:1).

Description

1-Stearoyl-2-oleoyl-*sn*-glycero-3-phosphoserine is an anionic phospholipid that contains stearic acid (Item No. 10011298) and oleic acid (Item Nos. 90260 | 24659) at the *sn*-1 and *sn*-2 positions, respectively. It has been used in the generation of lipid monolayers.¹

Reference

1. Chen, C.H., Málková, S., Pingali, S.V., *et al.* Configuration of PKC α -C2 domain bound to mixed SOPC/SOPS lipid monolayers. *Biophys. J.* **97**(10), 2794-2802 (2009).

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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