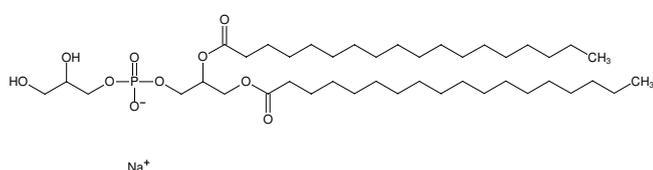


**DSPG**

1,2-Distearoyl-sn-glycero-3-phospho-rac-glycerol, sodium salt

Cat. No.	Amount
X-LCP-108	1 g



Structural formula of DSPG

**For general laboratory use.****Shipping:** shipped on dry ice**Storage Conditions:** store at -20 °C**Shelf Life:** 12 months**Molecular Formula:** C<sub>42</sub>H<sub>82</sub>NaO<sub>10</sub>P**Molecular Weight:** 801.07 g/mol**Exact Mass:** 800.55 g/mol**CAS#:** 200880-42-8**Purity:** > 98 %**Solubility:** Soluble in Chloroform**Description:**

Anionic phospholipid used in combination with monoacylglycerols (MAGs) to create thermodynamically stable ultraswollen bicontinuous cubic phases with water channels five times larger than traditional lipidic mesophases, suitable for the crystallization of membrane proteins with large extracellular domains<sup>[1,2]</sup>.

Once opened, use within 6 months. Purge the vial with nitrogen or argon after usage and store at -20°C.

**Related Products:**

Monopalmitolein, 9.7 MAG, #X-LCP-102

**Selected References:**

[1] Zabara *et al.* (2018) Design of ultra-swollen lipidic mesophases for the crystallization of membrane proteins with large extracellular domains. *Nat. Commun.* **9**:544.

[2] Speziale *et al.* (2018) Rheology of Ultraswollen Bicontinuous Lipidic Cubic Phases. DOI:10.1021/acs.langmuir.8b00737.