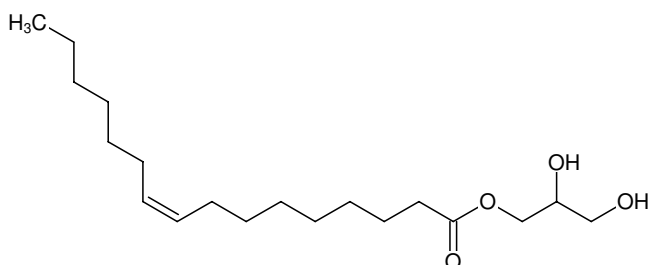


**Monopalmitolein**

9.7 MAG

1-(9Z-hexadecenoyl)-rac-glycerol

Cat. No.	Amount
X-LCP-102	1 g



Structural formula of Monopalmitolein

For general laboratory use.**Shipping:** shipped at ambient temperature**Storage Conditions:** store at -20 °C**Shelf Life:** 12 months**Molecular Formula:** C₁₉H₃₆O₄**Molecular Weight:** 328.43**CAS#:** 37515-61-0**Purity:** > 99 %**Solubility:** Soluble in Hexane**Description:**

Host Lipid for protein crystallization in the Lipidic Cubic Phase (LCP)^[1,2]. Used in combination with DSPG 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^[1].

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

Related Products:

JBScreen LCP, #CS-340, #CS-213L

Monoolein, 9.9 MAG, #X-LCP-101

Monovaccenin, 11.7 MAG, #X-LCP-103

Monoeicosenoin, 11.9 MAG, #X-LCP-104

7.7 MAG, #X-LCP-105

7.8 MAG, #X-LCP-106

7.9 MAG, #X-LCP-107

DSPG, #X-LCP-108

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] Caffrey (2015) A comprehensive review of the lipid cubic phase or *in meso* method for crystallizing membrane and soluble proteins and complexes. *Acta Cryst F* **71**:3.