
Product Data Sheet

Product Name: 1-Palmitoleoyl glycerol

Cat. No.: GC18376

Chemical Properties

Cas. No. 37515-61-0

Chemical Name 9Z-hexadecenoic acid, 2,3-dihydroxypropyl ester

SMILES OCC(O)COC(CCCCCC/C=C\CCCCC)=OFormula $C_{19}H_{36}O_4$ M.Wt 328.5

Solubility DMF: 20 mg/ml, DMSO: 5 mg/ml, Ethanol: 30 mg/ml, PBS (pH 7.2): 0.25 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

1-Palmitoleoyl glycerol is a bioactive monoacylglycerol. It increases daunomycin accumulation, indicating inhibition of P-glycoprotein, in Caco-2 cells. 1-Palmitoleoyl glycerol induces apoptosis in thymocytes.

Caution: Product has not been fully validated for medical applications. For research use only.

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