PRODUCT INFORMATION

1,3-Dioleoyl-2-Myristoyl Glycerol
Item No. 26872

CAS Registry No.: 158298-95-4
Formal Name: 9Z-octadecenoic acid, 1,1’-[2-[(1-oxotetradecyl)oxy]-1,3-propanediyl] ester
Synonyms: 1,3-Olein-2-Myristin, TG(18:1/14:0/18:1)
MF: C₅₃H₉₈O₆
FW: 831.3
Purity: ≥98%
Supplied as: An oil
Storage: -20°C
Stability: ≥2 years

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

Laboratory Procedures

1,3-Dioleoyl-2-myristoyl glycerol is supplied as an oil. A stock solution may be made by dissolving the 1,3-dioleoyl-2-myristoyl glycerol in the solvent of choice, which should be purged with an inert gas. 1,3-dioleoyl-2-myristoyl glycerol is slightly soluble in methanol.

1,3-Dioleoyl-2-myristoyl glycerol is slightly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Description

1,3-Dioleoyl-2-myristoyl glycerol is a triacylglycerol that contains oleic acid (Item Nos. 90260 | 24659) at the sn-1 and sn-3 positions and myristic acid (Item No. 13351) at the sn-2 position. It has been found in palm oil.¹

Reference