

Product Data Sheet

Product Name: 1-Stearoyl-2-Lauroyl-rac-glycerol

Cat. No.: GC45318

Chemical Properties

Cas. No. 199274-84-5

SMILES OCC(OC(CCCCCCCCCCCC)=O)COC(CCCCCCCCCCCCCCCCCC)=O

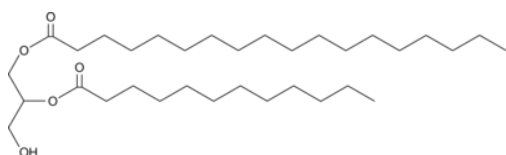
Formula C33H64O5 M.Wt 540.9

Solubility DMF: 20 mg/ml, DMSO: 30 mg/ml, Ethanol: 0.25 mg/ml, PBS (pH 7.2): 0.5 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-Stearoyl-2-lauroyl-rac-glycerol is a diacylglycerol containing stearic acid at the sn-1 position and lauric acid at the sn-2 position. It is a substrate for the rat diacylglycerol lipase DDHD2.1

References

1. Araki, M., Ohshima, N., Aso, C., et al. Enzymatic characterization of recombinant rat DDHD2: A soluble diacylglycerol lipase. J. Biochem. 160(5), 269-279 (2016).

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

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