

PRODUCT INFORMATION



Dimyristolein

Item No. 26977

CAS Registry No.: 372516-89-7

Formal Name: (9Z,9'Z)-9-tetradecenoic acid, diester with 1,2,3-propanetriol

MF: $C_{31}H_{56}O_5$

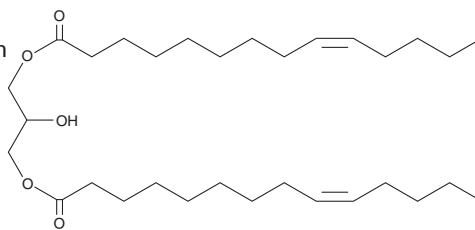
FW: 508.8

Purity: $\geq 98\%$

Supplied as: A 10 mg/ml solution in methyl acetate

Storage: -20°C

Stability: ≥ 4 years



Unspecified isomer

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

Laboratory Procedures

Dimyristolein is supplied as a solution in methyl acetate. To change the solvent, simply evaporate the methyl acetate under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as ethanol and dimethyl formamide purged with an inert gas can be used. The solubility of dimyristolein in these solvents is approximately 10 mg/ml.

Dimyristolein is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, the methyl acetate solution of dimyristolein should be diluted with the aqueous buffer of choice. Dimyristolein has a solubility of 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Dimyristolein is a diacylglycerol that contains the monounsaturated 14-carbon fatty acid myristoleic acid (Item No. 9002461) at two positions.

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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