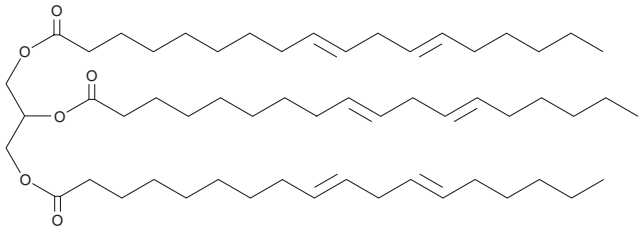
PRODUCT INFORMATION

1,2,3-Trilinoelaidoyl Glycerol

Item No. 26948

CAS Registry No.: 5188-25-0
Formal Name: (9E,9′E,9′′E,12E,12′E,12′′E)-9,12-octadecadienoic acid, 1,1′,1′′-(1,2,3-propanetriyl) ester
Synonyms: TG(18:2(9E,12E)/18:2(9E,12E)/18:2(9E,12E)), Trilinoelaidin
MF: $C_{57}H_{98}O_6$
FW: 879.4
Purity: ≥98%
Supplied as: A liquid
Storage: -20°C
Stability: ≥4 years



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

Laboratory Procedures

1,2,3-Trilinoelaidoyl glycerol is supplied as a liquid. A stock solution may be made by dissolving the 1,2,3-trilinoelaidoyl glycerol in the solvent of choice, which should be purged with an inert gas. 1,2,3-Trilinoelaidoyl glycerol is soluble in organic solvents such as ethanol and dimethyl formamide. The solubility of 1,2,3-trilinoelaidoyl glycerol in these solvents is approximately 10 mg/ml.

1,2,3-Trilinoelaidoyl glycerol is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, 1,2,3-trilinoelaidoyl glycerol should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. 1,2,3-Trilinoelaidoyl glycerol has a solubility of approximately 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

1,2,3-Trilinoelaidoyl glycerol is a triacylglycerol that contains linoelaidic acid (Item No. 90160) at the *sn*-1, *sn*-2, and *sn*-3 positions. Dietary administration of 1,2,3-trilinoelaidoyl glycerol (0.6-6.3% w/w) lowers serum levels of thromboxane B_2 (TXB_2; Item No. 19030), prostaglandin F_2 (PGF_2), and PGE in rats.[1]

Reference

1. Bruckner, G., Goswami, S., and Kinsella, J.E. Dietary trilinoelaidate: Effects on organ fatty acid composition, prostanoid biosynthesis and platelet function in rats. *J. Nutr.* **114(1),** 58-67 (1984).

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.

WARRANTY AND LIMITATION OF REMEDY
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