



Stratech

Introducing a major
new supplier of

Lipids



Larodan

Research Grade Lipids

Our Lipids

Larodan's lipids are of high purity and therefore used as analytical reference standards and reagents. In addition to our comprehensive list of catalogue products, we provide custom synthesis of complex and novel lipids.

Products are supplied in ug and mg up to multi g scale. Standard purity is above 99%. All products come with a certificate of analysis.

Fatty Acids (FA) and FA Methyl Esters (FAME)

Saturated-Unsaturated-Conjugated
OH-Oxo-Epoxy-Hydroperoxy-Ether
Di-acids/Di-esters
Ethyl esters
Branched/Methylated
Cyclic

Oxylipins

OH-Oxo-Epoxy-Hydroperoxy-Ether
Aldehydes-Diols

Prostaglandins

Glycerides (Acylglycerols)

Mono-Di-Triglycerides
Single and Mixed fatty acids
1,2 and 1,3 positions
Galactosyl diglycerides

Sphingolipids

Sphingosines-Ceramides
Phosphosphingolipids-Sphingomyelins
Glycosphingolipids-Cerebrosides-
Sulfatides-Gangliosides

Phospholipids

Synthetic and Natural

PC, PG, PE, PS, PA, PI
LPC, LPG, LPE, LPS, LPA, LPI
Egg, Soybean, Sunflower
Bovine, Porcine

Wax Esters

Fatty Alcohols

Saturated Hydrocarbons

Carnitines (L- and D-)

Isotopically labeled carnitines

Coenzyme A and CoA esters

Sterols

Polyprenols and Dolichols

Polyprenyl Phosphate

Monochloropropane-diol (MCPD)

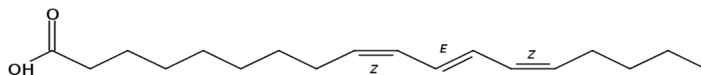
Glycines

*Customized
Stable isotope labeled
Kits
Mixtures*

9(Z),11(E),13(Z)-Octadecatrienoic acid (Punicic acid)

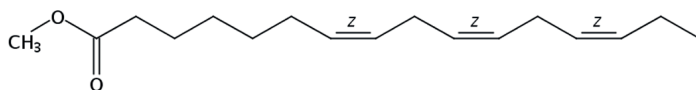
Product #: 10-1875

CAS #: 544-72-9

**Methyl 7(Z),10(Z),13(Z)-Hexadecatrienoate (C16:3w3)**

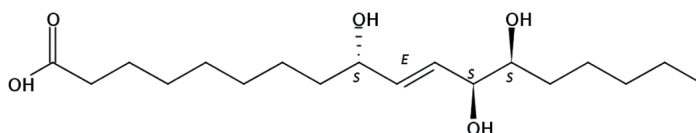
Product #: 20-1603

CAS #: 77388-16-0

**9(S),12(S),13(S)-Trihydroxy-10(E)-octadecenoic acid (Pinellic acid)**

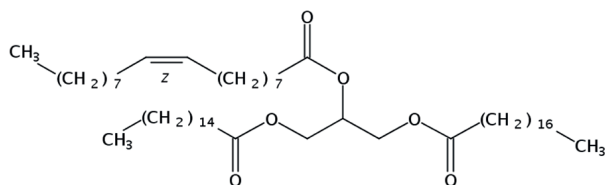
Product #: 14-1872

CAS #: 93380-89-3

**1-Palmitin-2-Olein-3-Stearin**

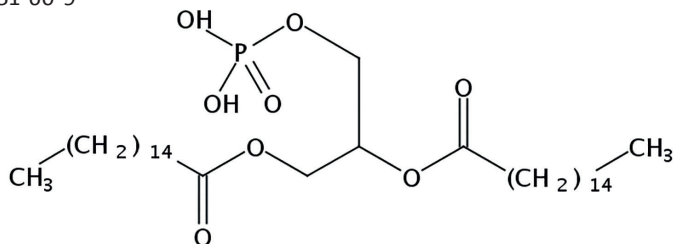
Product #: 34-3001

CAS #: 2190-27-4

**DPPA-Na 16:0/16:0**

Product #: 38-1660

CAS #: 169051-60-9



Our Phospholipids

Phospholipids are essential constituents of all biological membranes exhibiting many functions. They act as dynamic components that are essential for the functionality and structure of the cells.

Larodan offers both natural and synthetic phospholipids with high purity in mg up to 100gram scale. All products come with a certificate of analysis and we guarantee a purity of above 98% for synthetic products and above 96% for natural products.

Synthetic

DMPC	DMPG	DMPE	DOPS
DPPC	DPPG	DPPE	DPPA
DSPC	DSPG	DSPE	DSPA
DOPC	DOPG	DOPE	DOPA
POPC	POPG		

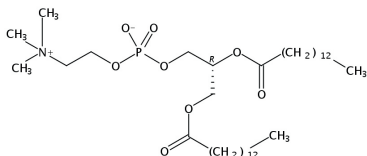
Natural

Egg:	PC, LPC, PG, PE, SM, PA
Soybean:	PC, LPC, PE, PA
Sunflower:	PC, LPC

DMPC 14:0/14:0

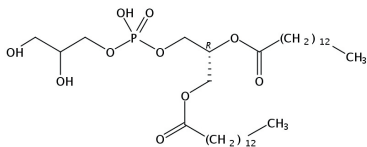
Product #: 37-1400

CAS #: 18194-24-6

**DMPG-Na 14:0/14:0**

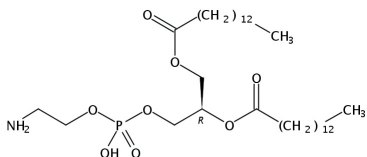
Product #: 38-3014

CAS #: 200880-40-6

**DMPE 14:0/14:0**

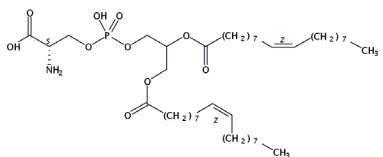
Product #: 37-1420

CAS #: 998-07-2

**DOPS-Na 18:1/18:1**

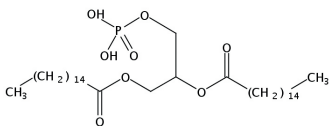
Product #: 38-1810

CAS #: 70614-14-1

**DPPA-Na 16:0/16:0**

Product #: 38-1660

CAS #: 169051-60-9



Our Fatty Acids

Larodan offers a truly comprehensive range of fatty acids and their methyl and ethyl esters. Products range from simple natural fatty acid analytical standards to highly complex artificial branched methyl esters.

Larodan fatty acid products are supplied in ug up to multi g scale. Standard purity is above 99%. All products come with a certificate of analysis.

Fatty Acids | Methyl Esters (FAME) | Ethyl Esters

Saturated

Monounsaturated

Polyunsaturated

Conjugated

Odd and even # C

Branched (Iso, Ante-iso)

Cyclic

Di-acids / Di-esters

Stable isotope labeled

with Hydroxy (OH)

with Keto (Oxo)

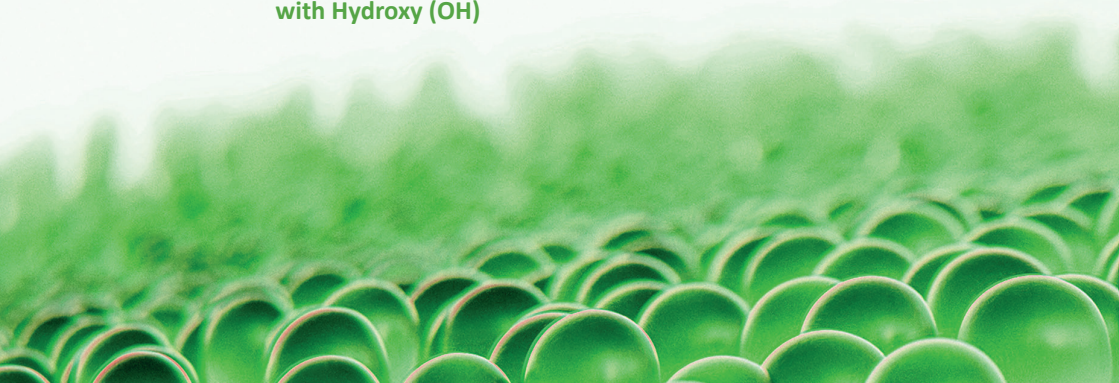
with Epoxy

with Hydroperoxy

with Ether

Mixtures

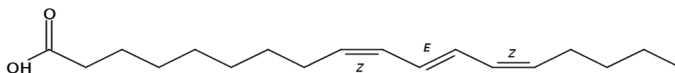
Kits



9(Z),11(E),13(Z)-Octadecatrienoic acid (Punicic acid)

Product #: 10-1875

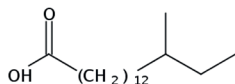
CAS #: 544-72-9



14-Methylhexadecanoic acid (Anteiso Heptadecanoic acid)

Product #: 11-1614

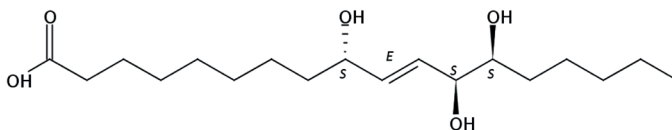
CAS #: 5918-29-6



9(S),12(S),13(S)-Trihydroxy-10(E)-octadecenoic acid (Pinellic acid)

Product #: 14-1872

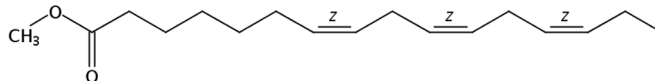
CAS #: 93380-89-3



Methyl 7(Z),10(Z),13(Z)-Hexadecatrienoate (C16:3w3)

Product #: 20-1603

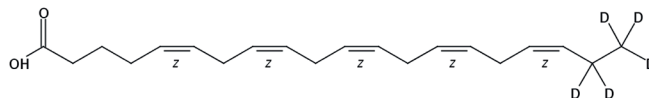
CAS #: 77388-16-0



**5(Z),8(Z),11(Z),14(Z),17(Z)-Eicosapentaenoic acid D5
(EPA-19,19,20,20,20-D5)**

Product #: 71-2005

CAS #: 1197205-73-4



Our Glycerides

Glycerides, also referred to as acylglycerols or glycerolipids, are esters formed from glycerol and fatty acids. Glycerol has three hydroxyl functional groups that are esterified with one, two, or three fatty acids to form monoglycerides, diglycerides, and triglycerides. Vegetable oils and animal fats contain mostly triglycerides, that is broken down by natural enzymes into mono- and diglycerides and free fatty acids and glycerol.

Larodan offers synthetic glycerides in mg up to multi g scale. Standard purity is above 99%. All products come with a certificate of analysis.

Monoglycerides

(MAG, MG)

1-position

2-position

Diglycerides

(DAG,DG)

1,2-Single fatty acids

1,3-Single fatty acids

1,2-Mixed fatty acids

1,3-Mixed fatty acids

Triglycerides

(TAG, TG)

Single fatty acids

Two mixed fatty acids

Three mixed fatty acids

Isotopically labeled

Customized

Mixtures

1,3-Dinonadecanoin

Product #:

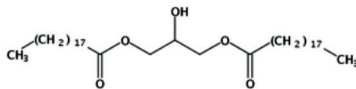
32-1903

CAS #:

372490-74-9

Lipid #:

DG (19:0/0:0/19:0)



1-Palmitin-2-Olein-3-Stearin

Product #:

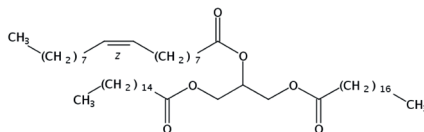
34-3001

CAS #:

2190-27-4

Lipid #:

TG (16:0/18:1/18:0)



1-Palmitin-2-Stearin-3-Olein

Product #:

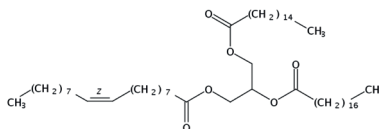
34-3002

CAS #:

2190-28-5

Lipid #:

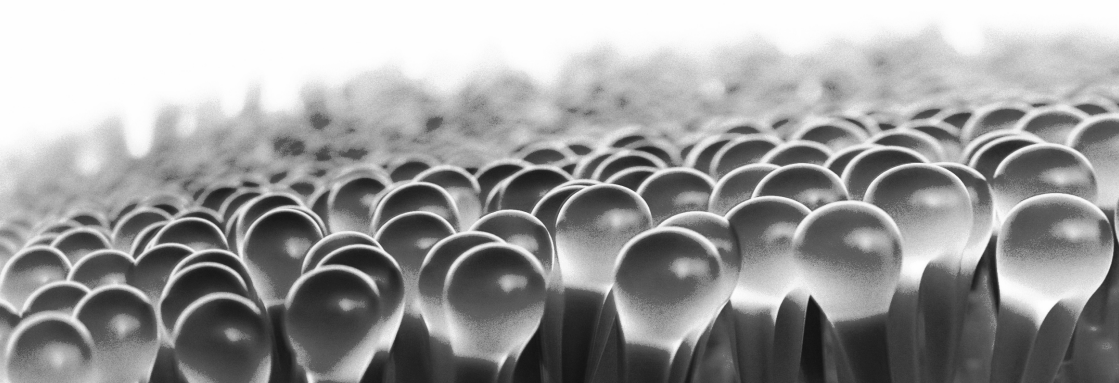
TG (16:0/18:0/18:1)



Price Comparison

Lipid	Cas. No.	Supplier	Unit Size	Cost
18:0 PC	816-94-4	Avanti Lipids	1g	£142
		NEW Larodan Lipids	1g	£83
18:1 (Δ9-Cis) PC (DOPC)	4235-95-4	Avanti Lipids	1g	£159
		NEW Larodan Lipids	1g	£100
18:0 PG	200880-42-8	Avanti Lipids	1g	£442
		NEW Larodan Lipids	1g	£209

Save up to 53% with our new range of Larodan PhosphoLipids



NanoSizer™

Faster & Easier ✓ Consistently Sized Liposome Preps ✓
Cost-effective ✓ Contamination Free ✓
Automated Processing Option ✓

Avoid Contamination, Save Time and Money with Fully Assembled NanoSizer™ Liposome Extruders

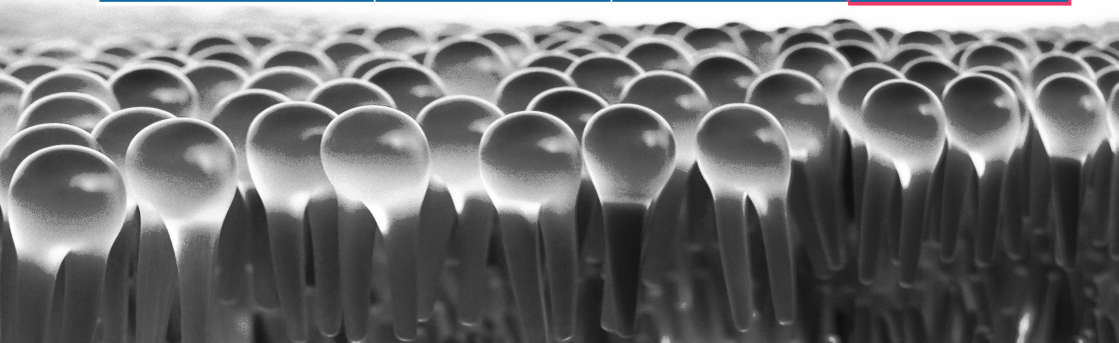


Fully Assembled
No Assembly or Cleaning

Clean (Sterilized Available)
No Batch to Batch Contaminations

Leak Free and Low Dead-Volume
No Solution Loss – Save Money and Valuable Solutions

		Competitor Extruder	T&T Nanosizer™
Every Extrusion Cost	Membrane	£1.20 - £2.44	£5.85 - £7.40
	Filter Supports	£8.10	
Every Extrusion Time	Assembly	Up to 25 mins	Approx. 2 mins
	Extrusion	Up to 2 mins	
	Cleaning	Up to 35 mins	
Risk & Penalties	Contamination Time	Up to a few months	None
	Solution Costs	Approx. £800	
Single Time Costs	O-Rings	£9 each	£199 (or free of charge on return of your old extruder)
	Teflon Support	£17	
	Extruder Kit with Heating Block	£638	
Cleanliness	Sterility	None	Sterilised





Stratech's comprehensive range of research-grade lipids are brought to you from Larodan, whose lipids range from simple fatty acids and methyl esters to complex oxylipins, glycerides and phospholipids. These highest quality lipids are usually available within 48 hours, whilst still being more cost effective than the market-leading alternatives.



***free delivery to UK
universities &
nonprofit
organisations***



***we offer a full
100% product
guarantee***



***outstanding
technical
support***

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 **Larodan**
Research Grade Lipids