



Larodan

Research Grade Lipids

MCPD & GE

Monochloropropanediols & Glycidyl esters

Reference standards & reagents



OUR MCPD & GE

MCPD: monochloropropanediols, either 3-MCPD or 2-MCPD in the free form, also including their esterified (with fatty acids) form

GE: glycidyl esters, also including their free form, glycidol

Larodan makes broad range of isomerically pure MCPD and GE compounds. These are used as **reference standards** for identification, characterization and quantification of MCPD and GE. We have standards for both direct and indirect analytical methods using GC, GC-MS, HPLC and LC-MS. The products are available either in their naturally occurring forms, that can be used as external standards, or as stable isotope labelled compounds, that can be used as internal standards. Our standards are used in explorative process development projects as well as routine quality control of product in various stages of the manufacturing process. In addition, the compounds are used as **reagents for research** into their biological activity and health effects.

Standard purity of products is **over 99%**. Typical package size is between 25 mg and 250 mg (under 25 mg for stable isotope labeled compounds), with other sizes are available on request. Product is typically delivered neat (powder), but can also be delivered in a suitable solution of choice. All products are delivered with a certificate of analysis. Most compounds are in stock for immediate delivery, while others are made to order with short delivery times.

PRODUCT CATEGORIES

3-MCPD
3-MCPD diester with same fatty acid
3-MCPD diester with mixed fatty acids
3-MCPD 2-monoester
3-MCPD 1-monoester

Glycidol
Glycidyl ester

MBPD (monobromopropanediol)

2-MCPD
2-MCPD diester with same fatty acid
2-MCPD diester with mixed fatty acids
2-MCPD monoester

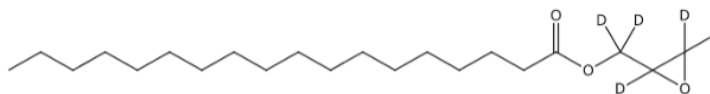
Stable isotope labeled
Deuterium (Hydrogen-2, 2H)
Carbon-13 (13C)

Neat (powder) or in solution

Glycidyl Stearate-d5

Product #: 41-4118

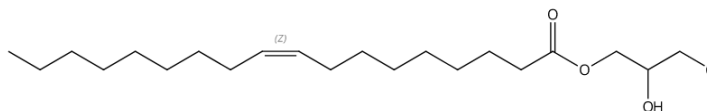
CAS #: 1346598-19-3



1-Oleoyl-3-chloropropanediol

Product #: 41-7028

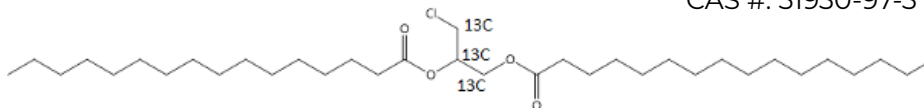
CAS #: 10311-82-7



1,2-Dipalmitoyl-3-chloropropanediol-13C3

Product #: 41-3092

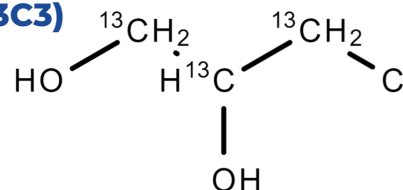
CAS #: 51930-97-3



3-Chloro-1,2-propanediol-13C3 (3-MCPD-13C3)

Product #: 41-3082

CAS #: 1391053-60-3



Our MCPD and GE catalog is the result of working closely with many prominent food oils manufacturers around the world. We are dedicated to the continuous development of the field, supporting food safety efforts and promoting the study of health effects. We regularly make new compounds via **custom synthesis** based on customer requests. These may be used to identify an unusual configuration of fatty acid(s) or, for advanced mass spectrometry applications, alternative stable isotope labeling of compounds. Larodan is keen to be of assistance to our customers, while remaining a leader in the field.



About Larodan

Larodan manufactures high purity lipids for use as reference standards, reagents and ingredients. Our comprehensive catalog of compounds includes most classes of lipids - from fatty acids and oxylipins to glycerides and phospholipids. In addition, we offer custom synthesis of novel lipids and lipid-like compounds. Applications for our products range from bioscientific research and pharmaceutical science to food oil chemistry and nutritional science. Our customers are research institutions and companies all over the world. Our facilities are located at the Karolinska Institute campus in Stockholm, Sweden. Since 2020 we are part of the ABF Group together with our parent company ABITEC Corporation. Larodan – research grade lipids since 1963.

Larodan AB

Karolinska Institutet Science Park
Retzius väg 8
SE-17165 Solna
Sweden

info@larodan.com



Larodan

Research Grade Lipids

www.larodan.com



Innovation to support science....

T: +9111-45035753/ 25553658 E: customerservice@biolinkk.com