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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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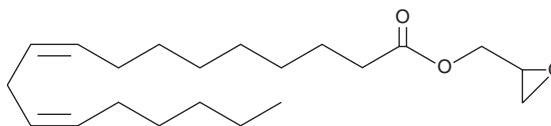
PRODUCT INFORMATION



Linoleic Acid glycidyl ester

Item No. 36840

CAS Registry No.: 24305-63-3
Formal Name: 9Z,12Z-octadecadienoic acid, 2-oxiranylmethyl ester
Synonyms: C18:2-GE, C18:2 glycidyl ester, Glycidyl Linoleate, Glycidyl Octadecadienoate
MF: C₂₁H₃₆O₃
FW: 336.5
Purity: ≥98%
Supplied as: A solution in methyl acetate
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

Linoleic acid glycidyl ester 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 chloroform, ethyl acetate, and methanol, purged with an inert gas can be used. Linoleic acid glycidyl ester is slightly soluble in these solvents.

Description

Linoleic acid glycidyl ester is an esterified form of linoleic acid (Item Nos. 90150 | 90150.1 | 21909) containing a glycidyl group. It is hydrolyzed *in vivo* to glycidol, which is carcinogenic in rats.¹ Linoleic acid glycidyl ester has been found in commercial edible oils and infant formulas.^{2,3}

References

1. Cheng, W.-W., Liu, G.-Q., Wang, L.-Q., *et al.* Glycidyl fatty acid esters in refined edible oils: A review on formation, occurrence, analysis, and elimination methods. *Compr. Rev. Food Sci. Food Saf.* **16(2)**, 263-281 (2017).
2. Masukawa, Y., Shiro, H., Nakamura, S., *et al.* A new analytical method for the quantification of glycidol fatty acid esters in edible oils. *J. Oleo Sci.* **59(2)**, 81-88 (2010).
3. Leigh, J. and MacMahon, S. Occurrence of 3-monochloropropanediol esters and glycidyl esters in commercial infant formulas in the United States. *Food Addit. Contam. Part A. Chem. Anal. Control Expo. Risk Assess.* **34(3)**, 356-370 (2017).

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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