

Linoleic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Linoleic acid

Catalog No.: CFN93168

Cas No.: 60-33-3

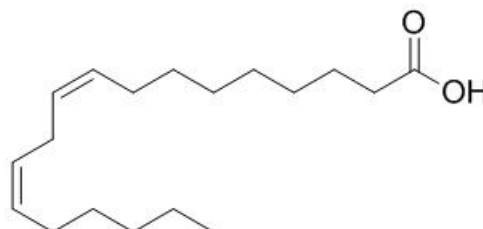
Purity: >=98%

M.F: C₁₈H₃₂O₂

M.W: 280.45

Physical Description: Oil

Synonyms: Telfairic acid ;(Z,Z)-9,12-Octadecadienoic acid;9,12-linoleicacid;
(z)-12-octadecadienoicacid;12-Octadecadienoicacid(Z,Z)-9;9,12-Linoleic acid.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

Constit. of most vegetable oils and animal fats.

[Biological Activity or Inhibitors]

Conjugated dienoic derivatives of linoleic acid (CLA), shown to be anticarcinogenic in several animal models, are present in many natural food sources.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Methanol-Acetonitrile-H₂O=30:20:50 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 242 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Chin S F, Liu W, Storkson J M, *et al. J. Food Compos. Anal.*, 1992, 5(5):185-97.

[2] Li Y, Shen Q, Yin M, *et al. China Pharmacy*, 2009(36):2836-7.

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