

Product Data Sheet

Product Name: α -Linolenic Acid

Cat. No.: GC19540

Chemical Properties

Cas. No. 463-40-1

Chemical Name 9Z,12Z,15Z-octadecatrienoic acid

SMILES CC/C=C\C/C=C\C/C=C\CCCCCCCC(=O)O

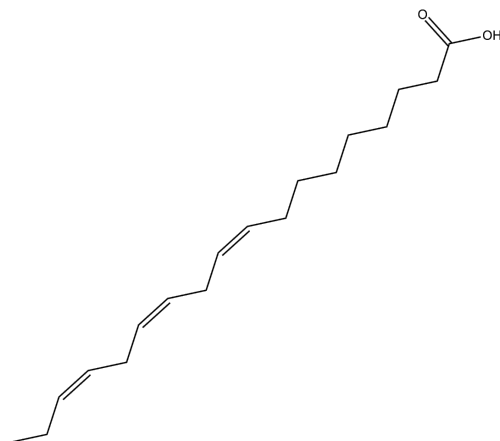
Formula $C_{18}H_{30}O_2$ M.Wt 278.4

Solubility 100mg/ml in DMSO Storage Store at 2-8°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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α -Linolenic acid (ALA) is an essential fatty acid found in leafy green vegetables. ALA, as part of a low saturated fat diet, helps prevent cardiovascular disease. ALA decreases blood pressure, serum cholesterol levels, and platelet aggregation.[1]

Reference:

[1]. Allman, M.A., Pena, M.M., and Pang, D. Supplementation with flaxseed oil versus sunflowerseed oil in healthy young men consuming a low fat diet: Effects on platelet composition and function Eur. J. Clin. Nutr. 49(3), 169-178 (1995).

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