

Product Data Sheet

Product Name: 13-Oxo-9E, 11E-octadecadienoic acid

Cat. No.: GF44528

Chemical Properties

Cas. No. 29623-29-8

Formula C₁₈H₃₀O₃

M.Wt 294.43

Solubility

Storage -20°C, sealed storage, away from moisture

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

13-Oxo-9E,11E-octadecadienoic acid, an isomer of 9-oxo-ODA, is a potent PPAR α activator derived from tomato juice. 13-Oxo-9E,11E-octadecadienoic acid decreases plasma and hepatic triglyceride in obese diabetic mice.

13-Oxo-9E,11E-octadecadienoic acid (feed; 0.02% and 0.05%; for 4 weeks) improves dyslipidemia and lowering TG content in the liver and skeletal muscle of HFD-fed KK-Ay mice^[1].

[1]. Kim YI, et al. Potent PPAR α activator derived from tomato juice, 13-oxo-9,11-octadecadienoic

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

Product Data Sheet

acid, decreases plasma and hepatic triglyceride in obese diabetic mice. PLoS One. 2012;7(2):e31317.

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