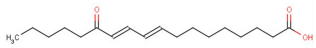
Data Sheet (Cat.No.T10044)

13-Oxo-9E,11E-octadecadienoic acid

Chemical Properties



CAS No.:	29623-29-8
Formula:	C18H30O3
Molecular Weight:	294.43
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	13-Oxo-9E,11E-octadecadienoic acid, an isomer of 9-oxo-ODA, is a potent PPARα activator derived from tomato juice. 13-Oxo-9E,11E-octadecadienoic acid decreases plasma and hepatic triglyceride in obese diabetic mice[1].
Targets(IC_{50})	PPARα: None
In vivo	13-Oxo-9E,11E-octadecadienoic acid is a potent PPARα activator derived from tomato juice. It is an isomer of 9-oxo-ODA and decreases plasma and hepatic triglyceride in obese diabetic mice.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.396 mL	16.982 mL	33.964 mL
5 mM	0.679 mL	3.396 mL	6.793 mL
10 mM	0.34 mL	1.698 mL	3.396 mL
50 mM	0.068 mL	0.34 mL	0.679 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Kim YI, et al. Potent PPARα activator derived from tomato juice, 13-oxo-9,11-octadecadienoic acid, decreasesplasma and hepatic triglyceride in obese diabetic mice. PLoS One. 2012;7(2):e31317.

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