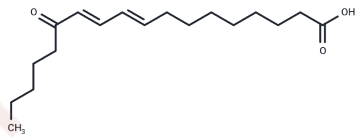
Data Sheet (Cat.No.T10044)

TargetMol

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

Chemical Properties



CAS No. : 29623-29-8

Formula: C18H30O3

Molecular Weight: 294.43

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	13-Oxo-9E,11E-octadecadienoic acid, a potent PPARα activator derived from tomato juice and isomer of 9-oxo-ODA, exhibits the ability to decrease plasma and hepatic triglyceride levels in obese diabetic mice[1].
Targets(IC50)	PPAR
In vivo	13-Oxo-9E,11E-octadecadienoic acid, an isomer of 9-oxo-ODA derived from tomato juice, is a potent PPARα activator that reduces plasma and hepatic triglycerides in obese diabetic mice.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3964 mL	16.982 mL	33.9639 mL
5 mM	0.6793 mL	3.3964 mL	6.7928 mL
10 mM	0.3396 mL	1.6982 mL	3.3964 mL
50 mM	0.0679 mL	0.3396 mL	0.6793 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481