

Bovinic acid

Chemical Properties

CAS No. : 2540-56-9

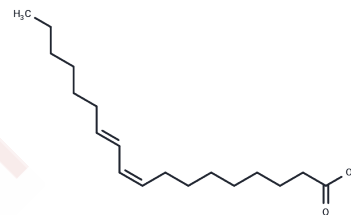
Formula: C₁₈H₃₂O₂

Molecular Weight: 280.45

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Bovinic acid ((9Z,11E)-Octadecadienoic acid) is a conjugated linoleic acid with anticancer and anti-atherosclerotic activity and can be used to study coronary heart disease and obesity in the elderly.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 80 mg/mL (285.26 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5657 mL	17.8285 mL	35.657 mL
5 mM	0.7131 mL	3.5657 mL	7.1314 mL
10 mM	0.3566 mL	1.7828 mL	3.5657 mL
50 mM	0.0713 mL	0.3566 mL	0.7131 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

Lock AL, et al. Modifying milk fat composition of dairy cows to enhance fatty acids beneficial to human health. *Lipids*. 2004 Dec;39(12):1197-206.

Jiang J, et al. Relation between the intake of milk fat and the occurrence of conjugated linoleic acid in human adipose tissue. *Am J Clin Nutr*. 1999 Jul;70(1):21-7.

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