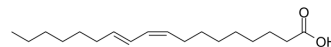


Bovinic acid

Cat. No.:	HY-113162	
CAS No.:	2540-56-9	
Molecular Formula:	C ₁₈ H ₃₂ O ₂	
Molecular Weight:	280.45	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (356.57 mM; ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	3.5657 mL	17.8285 mL	35.6570 mL
		5 mM	0.7131 mL	3.5657 mL	7.1314 mL
		10 mM	0.3566 mL	1.7828 mL	3.5657 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 50% PEG300 >> 50% saline Solubility: 20 mg/mL (71.31 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (8.91 mM); Suspended solution; Need ultrasonic 				

BIOLOGICAL ACTIVITY

Description	Bovinic acid is a conjugated linoleic acid with anticarcinogenic and anti-atherogenic activities.
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

- [1]. 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.
- [2]. 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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA