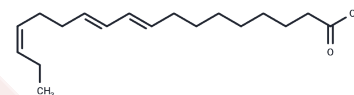


t9,t11,c15-CLNA

Chemical Properties

CAS No. : 678138-44-8
 Formula: C18H30O2
 Molecular Weight: 278.43
 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	t9,t11,c15-CLNA is an isomer of conjugated linolenic acid (CLNA) produced by <i>Lactobacillus plantarum</i> ZS2058. It exhibits key activities including anti-inflammatory and antioxidant effects, as well as enhancement of intestinal barrier function. The regulatory mechanisms of t9,t11,c15-CLNA involve the upregulation of tight junction proteins, the inhibition of pro-inflammatory cytokines (such as TNF- α , IL-6), and the activation of antioxidant enzymes (such as SOD, CAT). t9,t11,c15-CLNA can be utilized in research on inflammatory bowel disease (like colitis).
Targets(IC50)	Others, Interleukin, TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5916 mL	17.9578 mL	35.9157 mL
5 mM	0.7183 mL	3.5916 mL	7.1831 mL
10 mM	0.3592 mL	1.7958 mL	3.5916 mL
50 mM	0.0718 mL	0.3592 mL	0.7183 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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