

Conjugated linoleic acid

Chemical Properties

CAS No. :	121250-47-3
Formula:	C18H32O2
Molecular Weight:	280.44
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	Conjugated linoleic acid (CLA) is a group of geometric/positional isomers of linoleic acid featuring conjugated double bonds. Primarily derived from dairy products and beef/lamb, it exhibits diverse activities including anticancer effects, immunomodulation, weight loss support, muscle injury mitigation, and inflammatory response reduction.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5658 mL	17.8291 mL	35.6583 mL
5 mM	0.7132 mL	3.5658 mL	7.1317 mL
10 mM	0.3566 mL	1.7829 mL	3.5658 mL
50 mM	0.0713 mL	0.3566 mL	0.7132 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

Badawy S, et al. Conjugated linoleic acid (CLA) as a functional food: Is it beneficial or not?. Food Res Int. 2023;172: 113158.

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