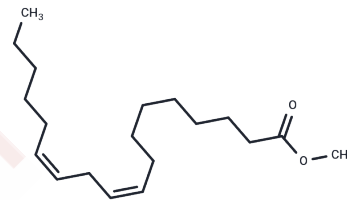


## Methyl Linoleate

## Chemical Properties

CAS No. :	112-63-0
Formula:	C19H34O2
Molecular Weight:	294.47
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Methyl Linoleate (Telfairic Acid methyl ester) linoleate has antioxidant activity.
Targets(IC50)	Antioxidant, Tyrosinase

## Solubility Information

Solubility	DMSO: 55 mg/mL (186.78 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (16.98 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3959 mL	16.9797 mL	33.9593 mL
5 mM	0.6792 mL	3.3959 mL	6.7919 mL
10 mM	0.3396 mL	1.698 mL	3.3959 mL
50 mM	0.0679 mL	0.3396 mL	0.6792 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

Endo Y , Usuki R , Kaneda T . The photoxidative alteration of chlorophylls in methyl linoleate and prooxidant activity of their decomposition products.[J]. Agricultural and Biological Chemistry, 1984, 48(4):985-989.

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