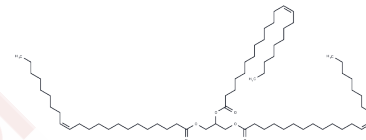


## Trierucin

## Chemical Properties

CAS No. :	2752-99-0
Formula:	C <sub>69</sub> H <sub>128</sub> O <sub>6</sub>
Molecular Weight:	1053.75
Storage:	Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Trierucin is a trierucic acid triglyceride isolated from seed oil.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 32.5 mg/mL (30.84 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: 1.5 mg/mL (1.42 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	0.949 mL	4.745 mL	9.4899 mL
5 mM	0.1898 mL	0.949 mL	1.898 mL
10 mM	0.0949 mL	0.4745 mL	0.949 mL
50 mM	0.019 mL	0.0949 mL	0.1898 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

Mersel M, et al. Intracellular lipase activities in heart and skeletal muscle homogenates. The absence of trierucin cleavage by the heart: a possible biochemical basis for erucic acid lipidosis. *Biochim Biophys Acta*. 1979 Feb 26; 572(2):218-24.

David C. Taylor, et al. Formation of trierucoylglycerol (trierucin) from 1,2-Dierucoylglycerol by a homogenate of microspore-derived embryos of *Brassica napus* L. *J Am Oil Chem Soc*. 1992;69: 355.

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