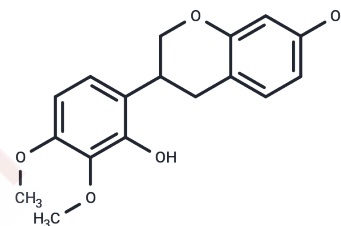


## Isomucronulatol

## Chemical Properties

CAS No. :	52250-35-8
Formula:	C17H18O5
Molecular Weight:	302.32
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	Glycerol Tridecanoate is an orally active precursor (DA precursor) of caprylic acid that can be hydrolyzed to caprylic acid. It is a major component of medium chain triglycerides (MCT) and has antiandrogenic and antihyperglycemic properties. It can be used as an additive in food, pharmaceuticals and cosmetics.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (181.93 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: 2 mg/mL (6.62 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	3.3078 mL	16.5388 mL	33.0775 mL
5 mM	0.6616 mL	3.3078 mL	6.6155 mL
10 mM	0.3308 mL	1.6539 mL	3.3078 mL
50 mM	0.0662 mL	0.3308 mL	0.6616 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

Li W, et al. Flavonoids from Astragalus membranaceus and their inhibitory effects on LPS-stimulated pro-inflammatory cytokine production in bone marrow-derived dendritic cells. Arch Pharm Res. 2014 Feb;37(2):186-92.

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