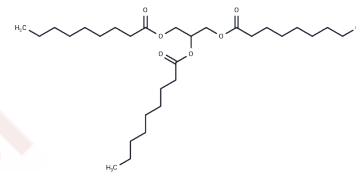


Tripelargonin

Chemical Properties

CAS No. :	126-53-4
Formula:	C30H56O6
Molecular Weight:	512.772
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	Tripelargonin is a triacylglycerol that contains nonanoic acid at the sn-1, sn-2, and sn-3 positions. It has been found in Schizochytrium biomass. ¹ Tripelargonin increases blood levels of the ketone body D-(-)-3-hydroxybutyrate in newborn rhesus monkeys. ²
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 20 mg/mL (39 mM),Sonication is recommended. Ethanol: 25 mg/mL (48.75 mM),Sonication is recommended. DMF: 20 mg/mL (39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9502 mL	9.751 mL	19.5019 mL
5 mM	0.390 mL	1.9502 mL	3.9004 mL
10 mM	0.195 mL	0.9751 mL	1.9502 mL
50 mM	0.039 mL	0.195 mL	0.390 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

Mioso, R., Toledo Marante, F.J., González, J.E., et al. Metabolite profiling of Schizochytrium sp. by GC-MS, an oleaginous microbial source of biodiesel. *Braz. J. Microbiol.* 45(2), 403-409 (2014).

Tetrick, M.A., Greer, F.R., and Benevenga, N.J. Blood D-(?)-3-hydroxybutyrate concentrations after oral administration of trioctanoin, trinonanoin, or tridecanoin to newborn rhesus monkeys (*Macaca mulatta*). *Comp. Med.* 60(6), 486-490 (2010).

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481