

Monoelaidin

Chemical Properties

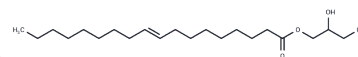
CAS No. : 2716-53-2

Formula: C₂₁H₄₀O₄

Molecular Weight: 356.54

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	Monoelaidin (1-Monoelaidin) is a compound produced by esterification of one molecule of octadecanoic acid and one molecule of glycerol. It has moisturizing properties and is often added to skin care products.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8047 mL	14.0237 mL	28.0473 mL
5 mM	0.5609 mL	2.8047 mL	5.6095 mL
10 mM	0.2805 mL	1.4024 mL	2.8047 mL
50 mM	0.0561 mL	0.2805 mL	0.5609 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

- Milak S, et al. Glycerol monooleate liquid crystalline phases used in drug delivery systems. *Int J Pharm.* 2015 Jan 30;478(2):569-87. doi: 10.1016/j.ijpharm.2014.11.072. Epub 2014 Dec 3. Review.
- Kulkarni CV, et al. Lipid crystallization: from self-assembly to hierarchical and biological ordering. *Nanoscale.* 2012 Sep 28;4(19):5779-91.
- Garg G, et al. Cubosomes: an overview. *Biol Pharm Bull.* 2007 Feb;30(2):350-Review.
- Kocherbitov V, et al. Driving forces of phase transitions in surfactant and lipid systems. *J Phys Chem B.* 2005 Apr 7; 109(13):6430-5. Review.

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