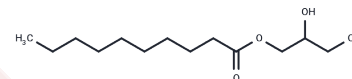


Glyceryl monocaprato

Chemical Properties

CAS No. :	26402-22-2
Formula:	C13H26O4
Molecular Weight:	246.35
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	Glyceryl monocaprato (2,3-Dihydroxypropyl decanoate) has inhibitory effect on Herpes Simplex Virus (HSV). It also offers an effective treatment for herpes labialis. Glyceryl monocaprato is a capric acid against 1-monoglyceride gram-positive bacterial infections.
Targets(IC50)	Antibacterial,HSV
In vitro	Glyceryl monocaprato has antimicrobial activity against gram-positive ATCC SA 29123 [1].
In vivo	Glycerol monocaprato in combination with low-dose doxycycline is effective in treating cold sores. It significantly reduces time to healing and pain compared to placebo and monocaprin alone [2].

Solubility Information

Solubility	DMSO: 40.00 mg/mL (162.37 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	4.0593 mL	20.2963 mL	40.5927 mL
5 mM	0.8119 mL	4.0593 mL	8.1185 mL
10 mM	0.4059 mL	2.0296 mL	4.0593 mL
50 mM	0.0812 mL	0.4059 mL	0.8119 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

Chan WY, et al. In vitro antimicrobial activity of seven adjuvants against common pathogens associated with canine otitis externa. *Vet Dermatol.* 2019 Apr;30(2):133-e38.

Skulason S, et al. A study of the clinical activity of a gel combining monocaprin and doxycycline: a novel treatment for herpes labialis. *J Oral Pathol Med.* 2012 Jan;41(1):61-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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