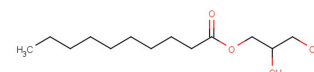


## Glyceryl monocaprato

### Chemical Properties

CAS No.:	26402-22-2
Formula:	C13H26O4
Molecular Weight:	246.34
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	Glyceryl monocaprato is a capric acid against 1-monoglyceride gram-positive bacterial infections. It has an inhibitory effect on Herpes Simplex Virus (HSV). It also offers an effective treatment for herpes labialis.
Targets(IC <sub>50</sub> )	Gram-positive Bacterial: None HSV: None
In vitro	Glyceryl monocaprato has antimicrobial activity against gram-positive ATCC SA 29123 [1].
In vivo	Glyceryl monocaprato combines with low-dose doxycycline offers a potent treatment for herpes labialis. It also obviously decreasing time to healing and pain compared with the placebo and monocapratin alone [2].

### Solubility Information

Solubility	DMSO: 41.67 mg/mL (169.16 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.059 mL	20.297 mL	40.594 mL
5 mM	0.812 mL	4.059 mL	8.119 mL
10 mM	0.406 mL	2.03 mL	4.059 mL
50 mM	0.081 mL	0.406 mL	0.812 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### 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 monocapratin and doxycycline: a novel treatment for herpes labialis. *J Oral Pathol Med.* 2012 Jan;41(1):61-7.

Inhibitors · Natural Compounds · Compound Libraries

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