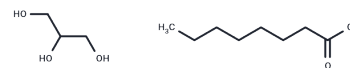


MONOCAPRYLIN

Chemical Properties

CAS No. : 26402-26-6
Formula: C₁₁H₂₄O₅
Molecular Weight: 236.31
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Monocaprylin (Sefsol 318) is a monoglyceride of caprylic acid with an excellent antibacterial activity. Monocaprylin inhibits a variety of foodborne pathogenic and spoilage microorganisms and has the potential for an alternative food preservative research.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 100 mg/mL (458.11 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	4.2317 mL	21.1586 mL	42.3173 mL
5 mM	0.8463 mL	4.2317 mL	8.4635 mL
10 mM	0.4232 mL	2.1159 mL	4.2317 mL
50 mM	0.0846 mL	0.4232 mL	0.8463 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.

Reference

M K M Nair, et al. Antibacterial effect of caprylic acid and monocaprylin on major bacterial mastitis pathogens. J Dairy Sci. 2005 Oct;88(10):3488-95.

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