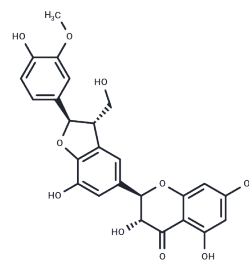


## Silychristin

## Chemical Properties

CAS No. :	33889-69-9
Formula:	C <sub>25</sub> H <sub>22</sub> O <sub>10</sub>
Molecular Weight:	482.44
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	Silychristin (Silicristin) is a plant growth regulator. Silychristin is an anti-hepatotoxic agent. Silychristin is the inhibitor of horseradish peroxidases and lipoxygenase.
Targets(IC50)	Lipoxygenase, Monocarboxylate transporter

## Solubility Information

Solubility	DMSO: 250 mg/mL (518.2 mM), Sonication is recommended. Chloroform: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0728 mL	10.364 mL	20.728 mL
5 mM	0.4146 mL	2.0728 mL	4.1456 mL
10 mM	0.2073 mL	1.0364 mL	2.0728 mL
50 mM	0.0415 mL	0.2073 mL	0.4146 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

Vavříková E, et al. Regioselective Alcoholysis of Silychristin Acetates Catalyzed by Lipases[J]. International Journal of Molecular Sciences, 2015, 16(6):11983-11995.

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