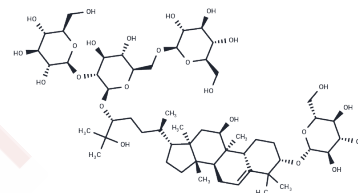


## Siamenoside I

## Chemical Properties

CAS No. :	126105-12-2
Formula:	C54H92O24
Molecular Weight:	1125.29
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	Siamenoside I is a natural product, and is one of the mogrosides that has several kinds of bioactivities, it exhibits maltase inhibitory effect with the IC50 value of 12 mM.
Targets(IC50)	LDL
In vitro	Siamenoside I is the sweetest mogroside that has several kinds of bioactivities, and it is also a constituent of Siraitiae Fructus, a fruit and herb in China. In rats, siamenoside I was found to undergo deglycosylation, hydroxylation, dehydrogenation, deoxygenation, isomerization, and glycosylation reactions.

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (19.99 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (1.78 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.8887 mL	4.4433 mL	8.8866 mL
5 mM	0.1777 mL	0.8887 mL	1.7773 mL
10 mM	0.0889 mL	0.4443 mL	0.8887 mL
50 mM	0.0178 mL	0.0889 mL	0.1777 mL

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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

Sweet elements of *Siraitia grosvenori* inhibit oxidative modification of low-density lipoprotein. *J Atheroscler Thromb.* 2002;9(2):114-20.

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