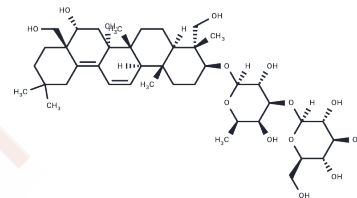


## Saikosaponin B2

## Chemical Properties

CAS No. :	58316-41-9
Formula:	C42H68O13
Molecular Weight:	780.98
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	Saikosaponin B2 acts on HCV E2 and inhibits infection by several genotypic strains and prevents binding of serum-derived HCV onto hepatoma cells. Saikosaponin B2 (5 μM) induces differentiation of B16 melanoma cells, with potentiation of expressions of tyrosinase and melanogenesis.
Targets(IC50)	HCV Protease

## Solubility Information

Solubility	DMSO: 245 mg/mL (313.71 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 (2.56 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

	1mg	5mg	10mg
1 mM	1.2804 mL	6.4022 mL	12.8044 mL
5 mM	0.2561 mL	1.2804 mL	2.5609 mL
10 mM	0.128 mL	0.6402 mL	1.2804 mL
50 mM	0.0256 mL	0.128 mL	0.2561 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

Lin LT,et al. Saikosaponin b2 is a naturally occurring terpenoid that efficiently inhibits hepatitis C virus entry. J Hepatol. 2015 Mar;62(3):541-8. doi: 10.

Xie W,et al. [Saikosaponins inhibit increased glutamate and GABA expressions in the hippocampus of pentetrazole-induced slow kindling rats]. Nan Fang Yi Ke Da Xue Xue Bao. 2006 Aug;26(8):1132-5.

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