

## Zingiberen newsaponin

## Chemical Properties

CAS No. : 91653-50-8

Formula: C51H82O22

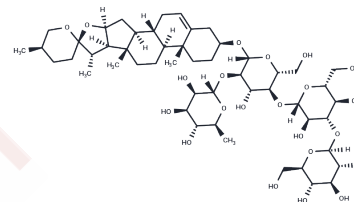
Molecular Weight: 1047.18

Storage:

Store at low temperature,Keep away from direct sunlight,Keep away from moisture

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	Zingiberen newsaponin is a steroidal saponin from Dioscorea zingiberensis.
Targets(IC50)	Caspase,PAFR,PARP
In vitro	In the screening test on platelet aggregation, Zingiberen newsaponin exhibited an induction effect on platelet aggregation in vitro[1].

## Solubility Information

Solubility	DMSO: 60 mg/mL (57.3 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (2.39 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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	1mg	5mg	10mg
1 mM	0.9549 mL	4.7747 mL	9.5495 mL
5 mM	0.191 mL	0.9549 mL	1.9099 mL
10 mM	0.0955 mL	0.4775 mL	0.9549 mL
50 mM	0.0191 mL	0.0955 mL	0.191 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

Wang JJ, Liu YX, et al. [Study on steroidal saponins from *Dioscorea zingiberensis* and their platelet aggregation activities]. *Zhongguo Zhong Yao Za Zhi*. 2014 Oct;39(19):3782-7. Chinese.

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