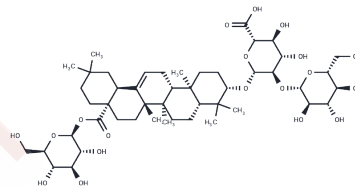


## Ginsenoside Ro

## Chemical Properties

CAS No. :	34367-04-9
Formula:	C <sub>48</sub> H <sub>76</sub> O <sub>19</sub>
Molecular Weight:	957.11
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	Ginsenoside Ro (Chikusetsusaponin V) can reduce TXA <sub>2</sub> production, weakly reduce COX-1 and TXAS activities, and has antiplatelet effects as a Ca <sup>2+</sup> antagonist with an IC <sub>50</sub> of 155 μM.
Targets(IC <sub>50</sub> )	Calcium Channel, Reductase, Prostaglandin Receptor

## Solubility Information

Solubility	DMSO: 245 mg/mL (255.98 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 (2.09 mM), Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (10.45 mM), Solution. <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	1.0448 mL	5.2241 mL	10.4481 mL
5 mM	0.209 mL	1.0448 mL	2.0896 mL
10 mM	0.1045 mL	0.5224 mL	1.0448 mL
50 mM	0.0209 mL	0.1045 mL	0.209 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

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