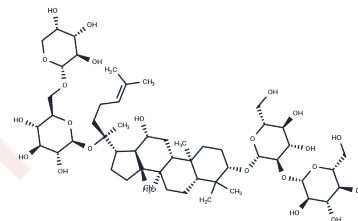


## Ginsenoside Rb2

## Chemical Properties

CAS No. :	11021-13-9
Formula:	C <sub>53</sub> H <sub>90</sub> O <sub>22</sub>
Molecular Weight:	1079.27
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 Rb2 (Ginsenoside C) found in species of Panax, upregulating GPR120 gene expression.
Targets(IC50)	Endogenous Metabolite, GPCR, Influenza Virus

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble) DMSO: 100 mg/mL (92.66 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: 5 mg/mL (4.63 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	0.9266 mL	4.6328 mL	9.2655 mL
5 mM	0.1853 mL	0.9266 mL	1.8531 mL
10 mM	0.0927 mL	0.4633 mL	0.9266 mL
50 mM	0.0185 mL	0.0927 mL	0.1853 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

Huang Q, et al. Ginsenoside-Rb2 displays anti-osteoporosis effects through reducing oxidative damage and bone-resorbing cytokines during osteogenesis. *Bone*. 2014 Sep;66:306-14.

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Yoo YC, et al. Protective effect of ginsenoside-Rb2 from Korean red ginseng on the lethal infection of haemagglutinating virus of Japan in mice. *J Ginseng Res*. 2013 Mar;37(1):80-6.

Lim HJ, et al. Inhibitory effects of ginsenoside-rb2 on nicotinic stimulation-evoked catecholamine secretion. *Korean J Physiol Pharmacol*. 2014 Oct;18(5):431-9.

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