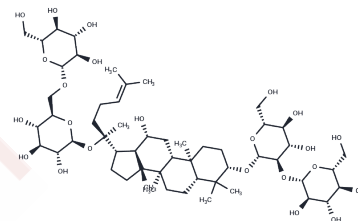


## Ginsenoside Rb1

## Chemical Properties

CAS No. : 41753-43-9  
 Formula: C<sub>54</sub>H<sub>92</sub>O<sub>23</sub>  
 Molecular Weight: 1109.29  
 Appearance: no data available  
 Storage: keep away from direct sunlight  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	Ginsenoside Rb1 (Gypenoside III) is part of a class of steroid glycosides; may have properties that inhibit or prevent the growth of tumors.
Targets(IC50)	ATPase,Mitophagy,NF-κB,Autophagy,HSV,IRAK

## Solubility Information

Solubility	DMSO: 60 mg/mL (54.09 mM),Sonication is recommended. H <sub>2</sub> O: 100 mg/mL (90.15 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9015 mL	4.5074 mL	9.0148 mL
5 mM	0.1803 mL	0.9015 mL	1.803 mL
10 mM	0.0901 mL	0.4507 mL	0.9015 mL
50 mM	0.018 mL	0.0901 mL	0.1803 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.

## Reference

Zhang XJ, et al. Vascu Pharmacol. 2015 Oct;73:86-95.

Chen Z, Ni R, Hu Y, et al.A natural protopanaxatriol from Panax notoginseng enhances osteosarcoma sensitivity to ferroptosis via ASCL4 upregulation.Journal of Functional Foods.2024, 122: 106488.

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