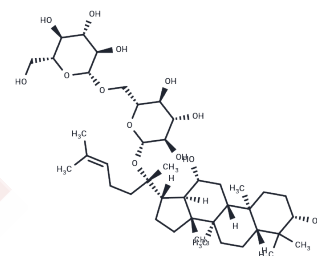


## Gyenoside LXXV

## Chemical Properties

CAS No. :	110261-98-8
Formula:	C42H72O13
Molecular Weight:	785.03
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Gyenoside LXXV is a natural saponin discovered in Panax ginseng that binds to the glucocorticoid receptor and translocates into the cell nucleus, thereby promoting wound healing and upregulating CTGF.
Targets(IC50)	Glucocorticoid Receptor
In vitro	Gyenoside LXXV (1.0-100 $\mu$ M, 48 hours) can dose-dependently inhibit the proliferation of three cancer cell lines (Homo sapiens cervical cancer cell line HeLa, mouse melanoma cell line B16, Homo sapiens breast cancer cell line MDA-MB-231). When the administration concentration reaches 50 $\mu$ M, it can almost completely inhibit the proliferation of all tested cancer cells [1].

## Solubility Information

Solubility	DMSO: 80.00 mg/mL (101.91 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	1.2738 mL	6.3692 mL	12.7384 mL
5 mM	0.2548 mL	1.2738 mL	2.5477 mL
10 mM	0.1274 mL	0.6369 mL	1.2738 mL
50 mM	0.0255 mL	0.1274 mL	0.2548 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

Chang-Hao Cui, et al. Enhanced Production of Gypenoside LXXV Using a Novel Ginsenoside-Transforming  $\beta$ -Glucosidase from Ginseng-Cultivating Soil Bacteria and Its Anti-Cancer Property. *Molecules*. 2017 May 19;22(5): 844.

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