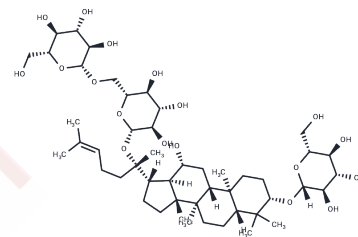


Gyenoside XVII

Chemical Properties

CAS No. :	80321-69-3
Formula:	C ₄₈ H ₈₂ O ₁₈
Molecular Weight:	947.15
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	Gyenoside XVII (Gynosaponin S) confers protection against A β 25-35-induced neurotoxicity through estrogen receptor-dependent activation of PI3K/Akt pathways, activation of Nrf2/ARE/HO-1 and inactivation of GSK-3 β pathways.
Targets(IC50)	Estrogen Receptor/ERR, Endogenous Metabolite, GSK-3

Solubility Information

Solubility	DMSO: 60 mg/mL (63.35 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 (2.11 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

	1mg	5mg	10mg
1 mM	1.0558 mL	5.279 mL	10.558 mL
5 mM	0.2112 mL	1.0558 mL	2.1116 mL
10 mM	0.1056 mL	0.5279 mL	1.0558 mL
50 mM	0.0211 mL	0.1056 mL	0.2112 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

Shin KC, et al. Biotechnol Lett. 2014 Jun;36(6):1287-93.

Shin KC, et al. Appl Microbiol Biotechnol. 2015 Oct;99(19):71987-96.

Meng X, et al. Toxicol Appl Pharmacol. 2014 Aug 15;279(1):63-75.

Hong H, et al. J Ginseng Res. 2012 Oct;36(4):418-24.

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