

## Gyenoside XLIX

## Chemical Properties

CAS No. : 94987-08-3

Formula: C52H86O21

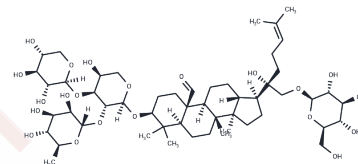
Molecular Weight: 1047.23

Keep away from direct sunlight, Keep away from moisture

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   | Extracted from whole herb of <i>Gynostemna pentaphyllum</i> (Thunb.)Mak.; Store the product in sealed, cool and dry condition |
| Targets(IC50) | PPAR  |

## Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 50 mg/mL (47.75 mM), Sonication is recommended.<br>(< 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 (4.77 mM), Sonication is recommended.<br><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  | 0.9549 mL | 4.7745 mL | 9.549 mL  |
| 5 mM  | 0.191 mL  | 0.9549 mL | 1.9098 mL |
| 10 mM | 0.0955 mL | 0.4775 mL | 0.9549 mL |
| 50 mM | 0.0191 mL | 0.0955 mL | 0.191 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 TH, et al. Eur J Pharmacol. 2007 Jun 22;565(1-3):158-65.

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