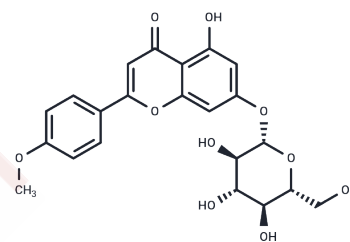


## Tilianin

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 4291-60-5   |
| Formula:          | C <sub>22</sub> H <sub>22</sub> O <sub>10</sub>   |
| Molecular Weight: | 446.4   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |   |
|---------------|---|
| Description   | Cholestenone is an intermediate oxidation product of cholesterol that is metabolized primarily in the liver. It can cause long-term defects in cell function. It is highly mobile in membranes and affects cholesterol turnover and efflux. |
| Targets(IC50) | Others  |

## Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 75 mg/mL (168.01 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble)   |
| In vivo Formulation | 10% DMSO+90% Saline: < 7.5 mg/mL (16.8 mM), Lower concentrations may be soluble, but exact solubility limit is unknown.<br>10% DMSO+40% PEG300+5% Tween 80+45% Saline: 7.5 mg/mL (16.8 mM), Solution.<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  | 2.2401 mL | 11.2007 mL | 22.4014 mL |
| 5 mM  | 0.448 mL  | 2.2401 mL  | 4.4803 mL  |
| 10 mM | 0.224 mL  | 1.1201 mL  | 2.2401 mL  |
| 50 mM | 0.0448 mL | 0.224 mL   | 0.448 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

Sergienko TO, et al. Moldavoside--new flavonoid glycoside of Dragocephalum moldavicum L. Farm Zh. 1968;23 (2):75-8.

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