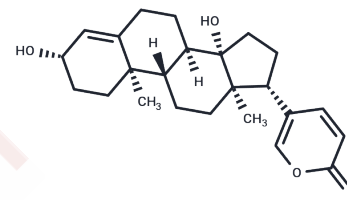


## Scillarenin

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 465-22-5  |
| Formula:          | C <sub>24</sub> H <sub>32</sub> O <sub>4</sub>  |
| Molecular Weight: | 384.51  |
| 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   | Scillarenin (3β-Scillarenin) is a plant steroid lactone isolated from <i>D. maritima</i> , with antiviral activity, used in the study of viral infections.   |
| Targets(IC50) | Antifungal   |
| In vitro      | Scillarenin inhibited BBB P-glycoprotein in porcine brain capillary endothelial cells in vitro, EC <sub>50</sub> = 46.4 μM, E <sub>max</sub> = 510.9 μM. [1] |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.6007 mL | 13.0036 mL | 26.0071 mL |
| 5 mM  | 0.5201 mL | 2.6007 mL  | 5.2014 mL  |
| 10 mM | 0.2601 mL | 1.3004 mL  | 2.6007 mL  |
| 50 mM | 0.052 mL  | 0.2601 mL  | 0.5201 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

Mahringer A, et al. Inhibition of P-glycoprotein at the blood-brain barrier by phytochemicals derived from traditional Chinese medicine. *Cancer Genomics Proteomics*. 2010 Jul-Aug;7(4):191-205.

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