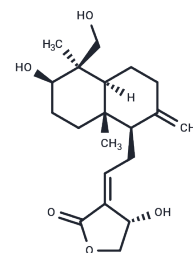


## Andrographolide

### Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 5508-58-7  |
| Formula:          | C <sub>20</sub> H <sub>30</sub> O <sub>5</sub>   |
| Molecular Weight: | 350.45   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><i>Actual storage temperature shall be subject to the COA.</i> |



### Biological Description

|               |   |
|---------------|---|
| Description   | Andrographolide (Andrographis)(Andrographis), an irreversible antagonist of NF-κB, has anti-inflammatory and anti-platelet aggregation activities and potential antineoplastic. |
| Targets(IC50) | NF-κB,Parasite,Autophagy,Influenza Virus,SARS-CoV   |

### Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | Ethanol: 3.51 mg/mL (10.02 mM),Sonication is recommended.<br>DMSO: 145 mg/mL (413.75 mM),Sonication is recommended.<br>H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble),<br>(< 1 mg/ml refers to the product slightly soluble or insoluble)  |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (11.41 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  | 2.8535 mL | 14.2674 mL | 28.5347 mL |
| 5 mM  | 0.5707 mL | 2.8535 mL  | 5.7069 mL  |
| 10 mM | 0.2853 mL | 1.4267 mL  | 2.8535 mL  |
| 50 mM | 0.0571 mL | 0.2853 mL  | 0.5707 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

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