

## Kaempferol 3-O-sophoroside

## Chemical Properties

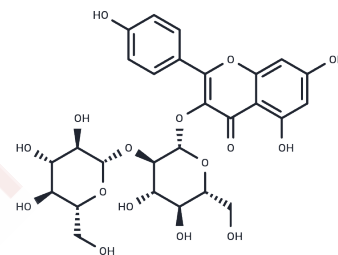
CAS No. : 19895-95-5

Formula: C<sub>27</sub>H<sub>30</sub>O<sub>16</sub>

Molecular Weight: 610.52

Storage: Store at low temperature, Store under nitrogen  
 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   | Kaempferol 3-O-sophoroside (Kaempferol 3-O-beta-sophoroside) has antibacterial and antiviral activities. |
| Targets(IC50) | Anti-infection, NF-κB, AMPK, TLR, TNF  |

## Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 10 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: 2 mg/mL (3.28 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  | 1.6379 mL | 8.1897 mL | 16.3795 mL |
| 5 mM  | 0.3276 mL | 1.6379 mL | 3.2759 mL  |
| 10 mM | 0.1638 mL | 0.819 mL  | 1.6379 mL  |
| 50 mM | 0.0328 mL | 0.1638 mL | 0.3276 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.

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