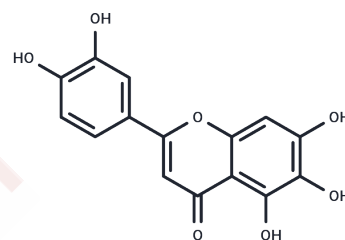


## 6-Hydroxyluteolin

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 18003-33-3   |
| Formula:          | C <sub>15</sub> H <sub>10</sub> O <sub>7</sub>   |
| Molecular Weight: | 302.24   |
| Storage:          | Store at low temperature,Keep away from direct sunlight  |
|                   | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



## Biological Description

|               |  |
|---------------|--|
| Description   | 6-Hydroxyluteolin, a flavonoid compound prepared from the above-ground parts of <i>Salvia amarissima</i> Ortega, inhibits aldose reductase (AR), exhibits antimicrobial activity, and can be used in the study of bronchiectasis and wet gastric diseases. |
| Targets(IC50) | Reductase,Antibacterial  |

## Solubility Information

|            |   |
|------------|---|
| Solubility | Methanol: 2 mg/mL (6.62 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.3086 mL | 16.5431 mL | 33.0863 mL |
| 5 mM  | 0.6617 mL | 3.3086 mL  | 6.6173 mL  |
| 10 mM | 0.3309 mL | 1.6543 mL  | 3.3086 mL  |
| 50 mM | 0.0662 mL | 0.3309 mL  | 0.6617 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

Mercader AG, et al. QSAR prediction of inhibition of aldose reductase for flavonoids. *Bioorg Med Chem*. 2008 Aug 1;16(15):7470-6.

Salinas-Arellano E, et al. Flavonoids and Terpenoids with PTP-1B Inhibitory Properties from the Infusion of *Salvia amarissima* Ortega. *Molecules*. 2020 Aug 1;25(15):3530.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481