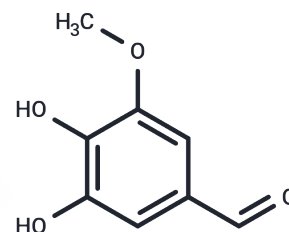


## 5-Hydroxyvanillin

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 3934-87-0   |
| Formula:          | C <sub>8</sub> H <sub>8</sub> O <sub>4</sub>  |
| Molecular Weight: | 168.15  |
| 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   | 5-Hydroxyvanillin (3,4-Dihydroxy-5-methoxybenzaldehyde) can be isolated from indica rice and has an inhibitory effect on Staphylococcus aureus, which can be used for the treatment and prevention of osteoporosis. |
| Targets(IC50) | Endogenous Metabolite,Antifungal  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 55 mg/mL (327.09 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.9471 mL | 29.7354 mL | 59.4707 mL |
| 5 mM  | 1.1894 mL | 5.9471 mL  | 11.8941 mL |
| 10 mM | 0.5947 mL | 2.9735 mL  | 5.9471 mL  |
| 50 mM | 0.1189 mL | 0.5947 mL  | 1.1894 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

Agus E, et al. A framework for identifying characteristic odor compounds in municipal wastewater effluent. Water Res. 2012 Nov 15;46(18):5970-80.

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