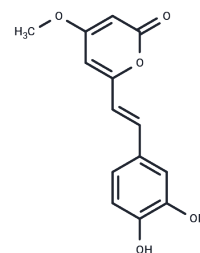


## 4-Methyl-6-(3',4'-dihydroxystyryl)-2-pyrone

## Chemical Properties

|                   |                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAS No. :         | 149947-22-8                                                                                                                                                    |
| Formula:          | C <sub>14</sub> H <sub>12</sub> O <sub>5</sub>                                                                                                                 |
| Molecular Weight: | 260.24                                                                                                                                                         |
| Storage:          | Store at low temperature<br>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   | 4-Methyl-6-(3',4'-dihydroxystyryl)-2-pyrone is a microbial metabolite of yangonin, a prominent styryl lactone from [Piper methysticum]. |
| Targets(IC50) | Others,Endogenous Metabolite                                                                                                            |

## Solubility Information

|            |                                                                                                                          |
|------------|--------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 55 mg/mL (211.34 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 3.8426 mL | 19.213 mL | 38.4261 mL |
| 5 mM  | 0.7685 mL | 3.8426 mL | 7.6852 mL  |
| 10 mM | 0.3843 mL | 1.9213 mL | 3.8426 mL  |
| 50 mM | 0.0769 mL | 0.3843 mL | 0.7685 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

Hye KJ, et, al. Microbial Metabolism of Yangonin, a Styryl Lactone from Piper methysticum (Kava). 2010 Sep 30; 16 (3):148-52.

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