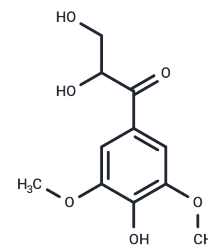


## 2,3,4'-Trihydroxy-3',5'-dimethoxypropiophenone

## Chemical Properties

|                   |                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAS No. :         | 33900-74-2                                                                                                                                                                                     |
| Formula:          | C <sub>11</sub> H <sub>14</sub> O <sub>6</sub>                                                                                                                                                 |
| Molecular Weight: | 242.23                                                                                                                                                                                         |
| Storage:          | Store at low temperature, Keep away from direct sunlight<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   | 2,3,4'-Trihydroxy-3',5'-dimethoxypropiophenone is a natural product obtained from <i>Parinari hypochrysea</i> (Chrysobalanaceae). It functions as an antioxidant and a lipoxygenase inhibitor. |
| Targets(IC50) | Antioxidant, Lipoxygenase                                                                                                                                                                      |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 4.1283 mL | 20.6415 mL | 41.2831 mL |
| 5 mM  | 0.8257 mL | 4.1283 mL  | 8.2566 mL  |
| 10 mM | 0.4128 mL | 2.0642 mL  | 4.1283 mL  |
| 50 mM | 0.0826 mL | 0.4128 mL  | 0.8257 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

Adjapmoh MF, et al. A New Ceramide and Biflavonoid from the Leaves of *Parinari hypochrysea* (Chrysobalanaceae). *Nat Prod Commun.* 2016 ; 11(5):615-620.

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