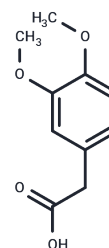


## 3,4-Dimethoxyphenylacetic acid

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 93-40-3   |
| Formula:          | C <sub>10</sub> H <sub>12</sub> O <sub>4</sub>  |
| Molecular Weight: | 196.2   |
| 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   | 3,4-Dimethoxyphenylacetic acid (Homoveratrumic acid) is the papaverine intermediate, used to synthesis cardiovascular drugs. |
| Targets(IC50) | Endogenous Metabolite  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 55 mg/mL (280.33 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.0968 mL | 25.4842 mL | 50.9684 mL |
| 5 mM  | 1.0194 mL | 5.0968 mL  | 10.1937 mL |
| 10 mM | 0.5097 mL | 2.5484 mL  | 5.0968 mL  |
| 50 mM | 0.1019 mL | 0.5097 mL  | 1.0194 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

Dana M, et al. Molecules. 2011 May 5;16(5):3826-44.

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