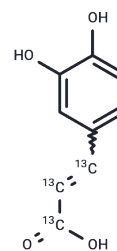


## Caffeic Acid-13C3

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 1185245-82-2  |
| Formula:          | C9H8O4  |
| Molecular Weight: | 183.136   |
| 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   | Caffeic Acid-13C3 is an isotopically enriched form of Caffeic Acid (TMSM-2242) that is intended for use as an internal standard for the quantification of caffeic acid by GC- or LC-MS. Caffeic acid is an inhibitor of 5-LO, with IC50 values of 3.7-72 μM, and 12-LO, with IC50 values of 5.1-30 μM. |
| Targets(IC50) | Antibacterial, Antifungal  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: Slightly soluble<br>Methanol: Very slightly soluble<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.4603 mL | 27.3015 mL | 54.603 mL  |
| 5 mM  | 1.0921 mL | 5.4603 mL  | 10.9206 mL |
| 10 mM | 0.546 mL  | 2.7302 mL  | 5.4603 mL  |
| 50 mM | 0.1092 mL | 0.546 mL   | 1.0921 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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