

Mortatarin G

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 2477746-26-0 |
| Formula: | C ₂₅ H ₂₄ O ₆ |
| Molecular Weight: | 420.46 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |

Biological Description

| | |
|----------------------------|---|
| Description | Mortatarin G (compound 3), a prenylated flavonoid derived from mulberry leaves, demonstrates potent α -glucosidase inhibition, evidenced by an IC ₅₀ value of 20.4±1.4 μ M [1]. |
| Targets(IC ₅₀) | Glucosidase, glycosidase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3783 mL | 11.8917 mL | 23.7835 mL |
| 5 mM | 0.4757 mL | 2.3783 mL | 4.7567 mL |
| 10 mM | 0.2378 mL | 1.1892 mL | 2.3783 mL |
| 50 mM | 0.0476 mL | 0.2378 mL | 0.4757 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

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