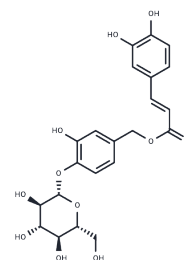


Caffeoylcalleryanin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 20300-49-6 |
| Formula: | C ₂₂ H ₂₄ O ₁₁ |
| Molecular Weight: | 464.4 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|----------------------------|---|
| Description | Caffeoylcalleryanin demonstrated potent inhibitory activity against 15-lipoxygenase (15-LOX), with an IC ₅₀ value of 1.59 μM. Furthermore, ethanol extract from <i>A. pulchra</i> leaves (EEAPL) was found to contain compounds exhibiting antiviral properties, particularly effective against Dengue virus type 2 (DENV-2). Among these compounds, Caffeoylcalleryanin emerged as the most potent anti-DENV-2 agent, achieving a selectivity index (SI) of 20.0. |
| Targets(IC ₅₀) | Others,Lipoxygenase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1533 mL | 10.7666 mL | 21.5332 mL |
| 5 mM | 0.4307 mL | 2.1533 mL | 4.3066 mL |
| 10 mM | 0.2153 mL | 1.0767 mL | 2.1533 mL |
| 50 mM | 0.0431 mL | 0.2153 mL | 0.4307 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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