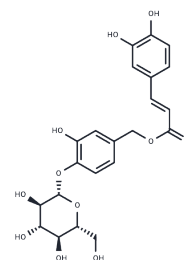


Caffeoylcallerynin

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	Caffeoylcallerynin 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, Caffeoylcallerynin emerged as the most potent anti-DENV-2 agent, achieving a selectivity index (SI) of 20.0.
Targets(IC50)	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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