

Forsythoside I

Chemical Properties

CAS No. : 1177581-50-8

Formula: C₂₉H₃₆O₁₅

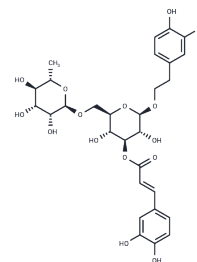
Molecular Weight: 624.59

Storage:

Keep away from direct sunlight, Store at low temperature, Keep away from moisture

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	Forsythoside I, a caffeoyl phenylethanoid glycoside (CPG), may have anti-inflammatory properties.
Targets(IC50)	Apoptosis, Others, Caspase, NOD-like Receptor (NLR), Arrestin, Interleukin

Solubility Information

Solubility	H ₂ O: 100 mg/mL (160.11 mM), Sonication is recommended. DMSO: 33.3 mg/mL (53.31 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.2 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6011 mL	8.0053 mL	16.0105 mL
5 mM	0.3202 mL	1.6011 mL	3.2021 mL
10 mM	0.1601 mL	0.8005 mL	1.6011 mL
50 mM	0.032 mL	0.1601 mL	0.3202 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

Wang FN, et al. New phenylethanoid glycosides from the fruits of forsythia suspense (thunb.) vahl. *Molecules*. 2009 Mar 25;14(3):1324-31.

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