

Phytolaccagenin

Chemical Properties

CAS No. : 1802-12-6

Formula: C₃₁H₄₈O₇

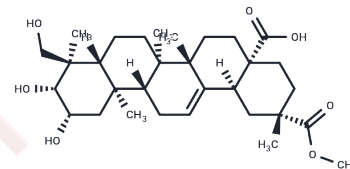
Molecular Weight: 532.71

Storage:

Keep away from direct sunlight, 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	Phytolaccagenin, a triterpenoid saponin, is the active component of Radix Phytolaccae, widely used in East Asian countries for treating inflammation-related diseases.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 75 mg/mL (140.79 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.: Soluble, (< 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 (3.75 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	1.8772 mL	9.386 mL	18.7719 mL
5 mM	0.3754 mL	1.8772 mL	3.7544 mL
10 mM	0.1877 mL	0.9386 mL	1.8772 mL
50 mM	0.0375 mL	0.1877 mL	0.3754 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

Wei F, et al. J Pharm Biomed Anal. 2015 Mar 25;107:82-8.

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