

Madecassic acid

Chemical Properties

CAS No. : 18449-41-7

Formula: C₃₀H₄₈O₆

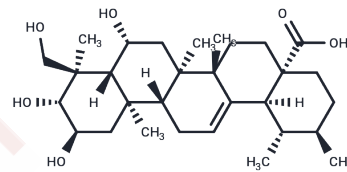
Molecular Weight: 504.70

Keep away from direct sunlight, Keep away from moisture

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	Madecassic acid (L-fucopyranose) is extracted from the whole herb of Centella asiatica.
Targets(IC50)	NO Synthase, COX, Interleukin, TNF

Solubility Information

Solubility	DMSO: 100.94 mg/mL (200.00 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: 4.00 mg/mL (7.93 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	1.9814 mL	9.9069 mL	19.8138 mL
5 mM	0.3963 mL	1.9814 mL	3.9628 mL
10 mM	0.1981 mL	0.9907 mL	1.9814 mL
50 mM	0.0396 mL	0.1981 mL	0.3963 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

Zhang H, et al. J BUON. 2014 Apr-Jun;19(2):372-6.

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