

Cauloside D

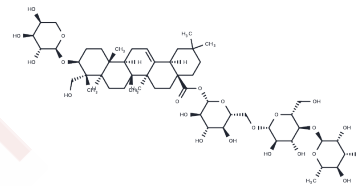
Chemical Properties

CAS No. : 12672-45-6

Formula: C₅₃H₈₆O₂₂

Molecular Weight: 1075.24

Storage: Store at low temperature, Keep away from moisture,
Keep away from direct sunlight
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	Cauloside D, a triterpene glycoside isolated from <i>Caulophyllum robustum</i> Max, inhibits the expression of iNOS and proinflammatory cytokines with anti-inflammatory effects.
Targets(IC50)	Others, NO Synthase

Solubility Information

Solubility	DMSO: 60 mg/mL (55.8 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 (1.86 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	0.930 mL	4.6501 mL	9.3002 mL
5 mM	0.186 mL	0.930 mL	1.860 mL
10 mM	0.093 mL	0.465 mL	0.930 mL
50 mM	0.0186 mL	0.093 mL	0.186 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

Lee Y, et al. Anti-Inflammatory Effect of Triterpene Saponins Isolated from Blue Cohosh (*Caulophyllum thalictroides*). *Evid Based Complement Alternat Med*. 2012;2012:798192.

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