

## Cauloside C

## Chemical Properties

CAS No. : 20853-58-1

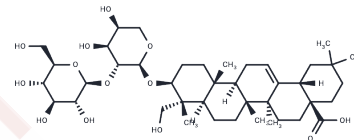
Formula: C<sub>41</sub>H<sub>66</sub>O<sub>13</sub>

Molecular Weight: 766.95

Keep away from direct sunlight

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	Cauloside C is a natural triterpenoid glycoside with anti-inflammatory activity, inhibiting iNOS and pro-inflammatory cytokines (e.g., TNF- $\alpha$ , IL-1 $\beta$ , IL-6, COX-2).
Targets(IC50)	COX,IL Receptor,TNF

## Solubility Information

Solubility	DMSO: 80 mg/mL (104.31 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: 3.3 mg/mL (4.3 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	1.3039 mL	6.5193 mL	13.0387 mL
5 mM	0.2608 mL	1.3039 mL	2.6077 mL
10 mM	0.1304 mL	0.6519 mL	1.3039 mL
50 mM	0.0261 mL	0.1304 mL	0.2608 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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