

## Hederacoside C

## Chemical Properties

CAS No. : 14216-03-6

Formula: C59H96O26

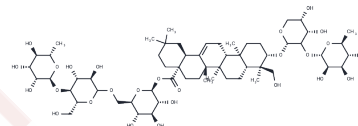
Molecular Weight: 1221.38

Storage:

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	Hederacoside C (Hederasaponin C) is expectorant for Cold and cough relief, Bronchitis.
Targets(IC50)	Apoptosis, NF-κB, Antibacterial, p38 MAPK

## Solubility Information

Solubility	DMSO: 125 mg/mL (102.34 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 (1.64 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	0.8187 mL	4.0937 mL	8.1875 mL
5 mM	0.1637 mL	0.8187 mL	1.6375 mL
10 mM	0.0819 mL	0.4094 mL	0.8187 mL
50 mM	0.0164 mL	0.0819 mL	0.1637 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

Kim JM, et al. Xenobiotica. 2013 Nov;43(11):985-92.;

Jung D H, Lee A, Hwang Y H, et al. Therapeutic effects of Pulsatilla koreana Nakai extract on ovalbumin-induced allergic rhinitis by inhibition of Th2 cell activation and differentiation via the IL-4/STAT6/GATA3 pathway.

Biomedicine & Pharmacotherapy. 2023, 162: 114730.

Rehman SU, et al. J Pharm Biomed Anal. 2016 Sep 10;129:90-5

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