

## Hederasaponin B

## Chemical Properties

CAS No. : 36284-77-2

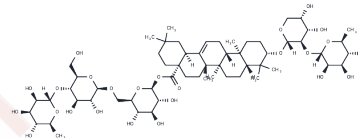
Formula: C59H96O25

Molecular Weight: 1205.38

Store at low temperature

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	Hederasaponin B (Hederacoside B) has antiviral activity, via inhibiting the viral VP2 protein expression and blocking viral capsid protein synthesis.
Targets(IC50)	Virus Protease

## Solubility Information

Solubility	DMSO: 25 mg/mL (20.74 mM),Sonication is recommended. H2O: 4.76 mg/mL (3.95 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 (1.66 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	0.8296 mL	4.1481 mL	8.2961 mL
5 mM	0.1659 mL	0.8296 mL	1.6592 mL
10 mM	0.083 mL	0.4148 mL	0.8296 mL
50 mM	0.0166 mL	0.083 mL	0.1659 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

Song J., et al. Antiviral Activity of Hederasaponin B from Hedera helix against Enterovirus 71 Subgenotypes C3 and C4a. *Biomol Ther (Seoul)*. 2014 Jan;22(1):41-6.

Yu M., et al. Determination of saponins and flavonoids in ivy leaf extracts using HPLC-DAD. *J Chromatogr Sci*. 2015 Apr;53(4):478-83.

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