

## Periplocymarin

## Chemical Properties

CAS No. : 32476-67-8

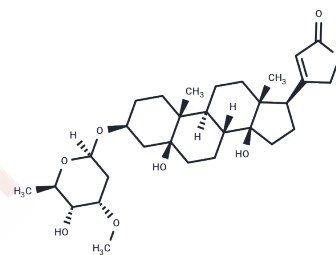
Formula: C<sub>30</sub>H<sub>46</sub>O<sub>8</sub>

Molecular Weight: 534.68

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	Periplocymarin is a cardiac glycoside with anticancer potential isolated from <i>Periploca sepium</i> and <i>Periploca graeca</i> .
Targets(IC50)	Calcium Channel

## Solubility Information

Solubility	DMSO: 10 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 (3.74 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	1.8703 mL	9.3514 mL	18.7028 mL
5 mM	0.3741 mL	1.8703 mL	3.7406 mL
10 mM	0.187 mL	0.9351 mL	1.8703 mL
50 mM	0.0374 mL	0.187 mL	0.3741 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

Yun W , Qian L , Cheng Y , et al. Periplocymarin Plays an Efficacious Cardiotonic Role via Promoting Calcium Influx [J]. Frontiers in Pharmacology, 2020, 11:1292.

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