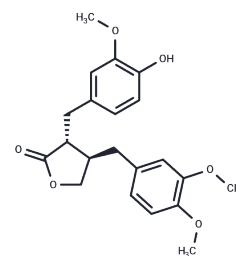


## Arctigenin

## Chemical Properties

CAS No. :	7770-78-7
Formula:	C <sub>21</sub> H <sub>24</sub> O <sub>6</sub>
Molecular Weight:	372.41
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	(-)-Arctigenin ((-)-Arctigenin) is found in burdock. (-)-Arctigenin is isolated from Cnicus benedictus, Forsythia viridissima, Arctium lappa, Ipomoea cairica and others (CCD). Arctigenin is a lignan found in certain plants of the Asteraceae, including the Greater burdock (Arctium lappa) and Saussurea heteromalla. It has shown antiviral and anticancer effects. It is the aglycone of arctiin.
Targets(IC50)	Apoptosis,MMP,Autophagy,Influenza Virus

## Solubility Information

Solubility	DMSO: 255 mg/mL (684.73 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: 5 mg/mL (13.43 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.6852 mL	13.4261 mL	26.8521 mL
5 mM	0.537 mL	2.6852 mL	5.3704 mL
10 mM	0.2685 mL	1.3426 mL	2.6852 mL
50 mM	0.0537 mL	0.2685 mL	0.537 mL

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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

Wu X, et al. *Biochem Pharmacol.* 2015 Aug 15;96(4):323-36.

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Huang B, Lin B, Zheng H, et al. Discovery of natural products as influenza neuraminidase inhibitors: in silico screening, in vitro validation, and molecular dynamic simulation studies. *Molecular Diversity.* 2025: 1-17.

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