

## Corilagin

## Chemical Properties

CAS No. : 23094-69-1

Formula: C<sub>27</sub>H<sub>22</sub>O<sub>18</sub>

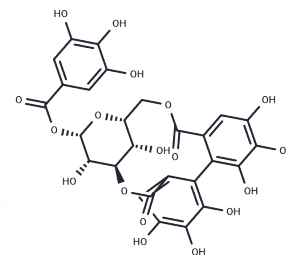
Molecular Weight: 634.45

Keep away from direct sunlight, Keep away from moisture

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	Corilagin has anti-inflammatory activity. Corilagin has a significant antitumour potential and lower toxicity in normal cells in vitro. Corilagin can enhance the cytotoxicity of both cisplatin and doxorubicin on the Hep3B hepatoma cells. Corilagin has antiviral activity, reduces the cytotoxicity induced by EV71 or CA16 on Vero cells with and IC <sub>50</sub> value of 5.6 and 32.33 µg/mL, respectively. Corilagin shows the potential to protect against HSV-1-induced encephalitis, and the beneficial effects may be mediated by inhibiting TLR2 signaling pathways. Corilagin has antifibrotics property and is potentiated in treating idiopathic pulmonary fibrosis (IPF), attenuates bleomycin-induced epithelial injury and fibrosis via inactivation of oxidative stress, proinflammatory cytokine release and NF-κB and TGF-β1 signaling. Solvent: Pyridine, Methanol, Ethanol, etc.
Targets (IC <sub>50</sub> )	Apoptosis, Reverse Transcriptase, Antibacterial, Autophagy, TLR

## Solubility Information

Solubility	DMSO: 250 mg/mL (394.04 mM), Sonication is recommended. H <sub>2</sub> O: 15.63 mg/mL (24.64 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 (3.15 mM), Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (15.76 mM), Solution. <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	1.5762 mL	7.8808 mL	15.7617 mL
5 mM	0.3152 mL	1.5762 mL	3.1523 mL
10 mM	0.1576 mL	0.7881 mL	1.5762 mL
50 mM	0.0315 mL	0.1576 mL	0.3152 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

Wang Z, et al. Corilagin attenuates aerosol bleomycin-induced experimental lung injury.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481