

## Regaloside C

## Chemical Properties

CAS No. : 117591-85-2

Formula: C<sub>18</sub>H<sub>24</sub>O<sub>11</sub>

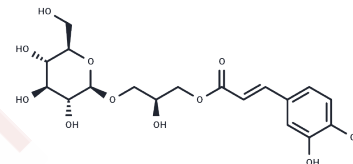
Molecular Weight: 416.38

Storage:

Keep away from direct sunlight,Keep away from moisture,Store at low temperature

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	Regaloside C, a glycerol glucoside isolated from the Liliaceae genus, exhibits notable anti-inflammatory properties.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 45 mg/mL (108.07 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 (4.8 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	2.4017 mL	12.0083 mL	24.0165 mL
5 mM	0.4803 mL	2.4017 mL	4.8033 mL
10 mM	0.2402 mL	1.2008 mL	2.4017 mL
50 mM	0.048 mL	0.2402 mL	0.4803 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

KunchengQiu, et al. Protective effect of total glycosides from lily on H<sub>2</sub>O<sub>2</sub>-induced H9C2 cells mitochondrial damage and characterization of the chemical profiles by UHPLC-LTQ-Orbitrap-MSn. Journal of Functional Foods. Volume 71, August 2020, 104036

Nhan Nguyen Thi, et al. Phenylpropanoids from Lilium Asiatic hybrid flowers and their anti-inflammatory activities. Applied Biological Chemistry volume 60, pages527-533(2017)

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