

## 11-oxo-mogroside V

## Chemical Properties

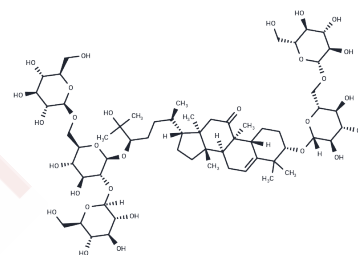
CAS No. : 126105-11-1

Formula: C<sub>60</sub>H<sub>100</sub>O<sub>29</sub>

Molecular Weight: 1285.42

Storage: Keep away from direct sunlight, Store under nitrogen  
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	11-oxo-mogroside V (11-oxo Mogroside V) is a sweet tasting cucurbitane glycoside derivative of mogroside V. It has antioxidant effects against both O <sub>2</sub> <sup>-</sup> and OH <sup>-</sup> and prevents OH-induced DNA damage.
Targets(IC50)	Reactive Oxygen Species, ROS

## Solubility Information

Solubility	H <sub>2</sub> O: 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 (1.56 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	0.778 mL	3.8898 mL	7.7796 mL
5 mM	0.1556 mL	0.778 mL	1.5559 mL
10 mM	0.0778 mL	0.389 mL	0.778 mL
50 mM	0.0156 mL	0.0778 mL	0.1556 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

Chen WJ, et al. The antioxidant activities of natural sweeteners, mogrosides, from fruits of *Siraitia grosvenori*. *Int J Food Sci Nutr*. 2007 Nov;58(7):548-56.

Takasaki M, et al. Anticarcinogenic activity of natural sweeteners, cucurbitane glycosides, from *Momordica grosvenori*. *Cancer Lett*. 2003 Jul 30;198(1):37-42.

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