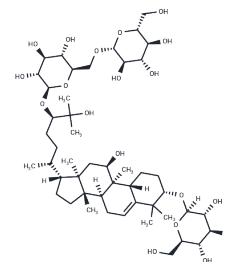


Mogroside III

Chemical Properties

CAS No. :	130567-83-8
Formula:	C ₄₈ H ₈₂ O ₁₉
Molecular Weight:	963.15
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Mogroside III, a triterpenoid glycoside and nonsugar sweetener, is transformed by human intestinal bacteria to release secondary glycoside (mogroside IIA1) and aglycone [mogrol].
Targets(IC50)	Others
In vitro	Mogroside III exhibits antioxidant, antidiabetic and anticancer properties[1].

Solubility Information

Solubility	DMSO: 9.64 mg/mL (10.01 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: 1 mg/mL (1.04 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	1.0383 mL	5.1913 mL	10.3826 mL
5 mM	0.2077 mL	1.0383 mL	2.0765 mL
10 mM	0.1038 mL	0.5191 mL	1.0383 mL
50 mM	0.0208 mL	0.1038 mL	0.2077 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

Lu F, et al. [Simultaneous determination of six cucurbitane triterpene glycosides in *Siraitia grosvenorii* fruits using high performance liquid chromatography]. *Se Pu*. 2008 Jul;26(4):504-8. Chinese.

Itkin M, et al. The biosynthetic pathway of the nonsugar, high-intensity sweetener mogroside V from *Siraitia grosvenorii*. *Proc Natl Acad Sci U S A*. 2016 Nov 22;113(47):E7619-E7628.

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