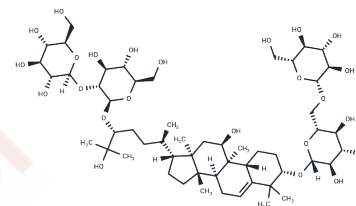


Mogroside IV-E

Chemical Properties

CAS No. :	88915-64-4
Formula:	C ₅₄ H ₉₂ O ₂₄
Molecular Weight:	1125.29
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	Mogroside IV-E is a triterpenoid glycoside isolated from the extracts of Luo Han Guo. Mogrosides exhibit antidiabetic, antioxidant and anticancer activities.
Targets(IC50)	Antioxidant

Solubility Information

Solubility	DMSO: 11.26 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: 2 mg/mL (1.78 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	0.8887 mL	4.4433 mL	8.8866 mL
5 mM	0.1777 mL	0.8887 mL	1.7773 mL
10 mM	0.0889 mL	0.4443 mL	0.8887 mL
50 mM	0.0178 mL	0.0889 mL	0.1777 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

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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