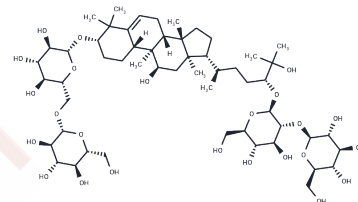


mogroside IV

Chemical Properties

CAS No. :	89590-95-4
Formula:	C54H92O24
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	Mogrosides IV is a sweet minor cucurbitane glycoside, it exhibits maltase inhibitory effect (IC ₅₀ : 10 mM), and with antioxidant, antidiabetic and anticancer activities.
Targets(IC ₅₀)	Others
In vitro	mogroside IV exhibited maltase inhibitory effect with IC ₅₀ values of 10 mM[1]

Solubility Information

Solubility	DMSO: 125 mg/mL (111.08 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (8.89 mM), Solution. 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

Suzuki Y A , Yuji M , Hiroshi I , et al. Triterpene glycosides of *Siraitia grosvenori* inhibit rat intestinal maltase and suppress the rise in blood glucose level after a single oral administration of maltose in rats[J]. *Journal of Agricultural & Food Chemistry*, 2005, 53(8):2941-6.

Eiichiro T , Hiroshi Y , Norio T , et al. Sweet Elements of *Siraitia Grosvenori* Inhibit Oxidative Modification of Low-Density Lipoprotein.[J]. *Journal of Atherosclerosis and Thrombosis*, 2002, 9(2):114-120.

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