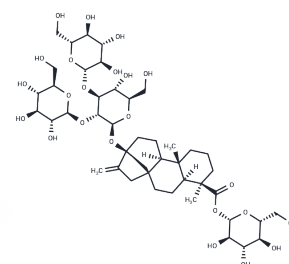


Rebaudioside A

Chemical Properties

CAS No. :	58543-16-1
Formula:	C44H70O23
Molecular Weight:	967.01
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	Rebaudioside A (Reb A) is a novel agent of glycoside clathration of pharmacons, acts as α -glucosidase inhibitor.
Targets(IC50)	Endogenous Metabolite,Glucosidase,glycosidase,Potassium Channel

Solubility Information

Solubility	DMSO: 250 mg/mL (258.53 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 (2.07 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (10.34 mM),Solution. <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	1.0341 mL	5.1706 mL	10.3412 mL
5 mM	0.2068 mL	1.0341 mL	2.0682 mL
10 mM	0.1034 mL	0.5171 mL	1.0341 mL
50 mM	0.0207 mL	0.1034 mL	0.2068 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

T G Tolstikova et. al. Doklady Biological Sciences, 426, 205-206 (2009)

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