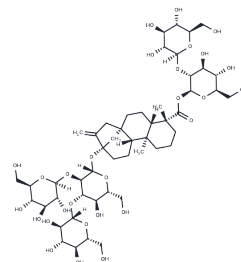


Rebaudioside D

Chemical Properties

CAS No. :	63279-13-0
Formula:	C50H80O28
Molecular Weight:	1129.16
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 D is a potential sweetener. Rebaudioside D shows similar stability when exposed to simulate stomach and small intestine fluids, with susceptibility to hydrolytic degradation by enteric bacteria collected from the cecum.
Targets(IC50)	Others
In vitro	Rebaudioside D is metabolized by gut microbiota to steviol, a compound whose safety is widely studied[1]

Solubility Information

Solubility	DMSO: 125 mg/mL (110.7 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 (8.86 mM),Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (1.77 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	0.8856 mL	4.4281 mL	8.8561 mL
5 mM	0.1771 mL	0.8856 mL	1.7712 mL
10 mM	0.0886 mL	0.4428 mL	0.8856 mL
50 mM	0.0177 mL	0.0886 mL	0.1771 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

Purkayastha S , Markosyan A , Prakash I , et al. Steviol glycosides in purified stevia leaf extract sharing the same metabolic fate[J]. Regulatory Toxicology and Pharmacology, 2016, 77:125-133.

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