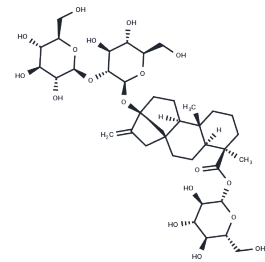


Stevioside

Chemical Properties

CAS No. :	57817-89-7
Formula:	C ₃₈ H ₆₀ O ₁₈
Molecular Weight:	804.87
Storage:	Store at low temperature 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	A natural, noncaloric sweetener with a potency 300 times more than that of regular sucrose. Exhibits transepithelial p-aminohippurate transport via organic anion transport system interference.
Targets(IC50)	Apoptosis,TLR

Solubility Information

Solubility	DMSO: 80.5 mg/mL (100.02 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: 3.3 mg/mL (4.1 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	1.2424 mL	6.2122 mL	12.4244 mL
5 mM	0.2485 mL	1.2424 mL	2.4849 mL
10 mM	0.1242 mL	0.6212 mL	1.2424 mL
50 mM	0.0248 mL	0.1242 mL	0.2485 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

Wang T, et al. Int Immunopharmacol. 2014 Sep;22(1):192-9.

Zhang L, Shi H, Chen H, et al. Dedifferentiation process driven by radiotherapy-induced HMGB1/TLR2/YAP/HIF-1 α signaling enhances pancreatic cancer stemness. Cell Death & Disease. 2019, 10(10): 1-16.

Chen X, Cheng F, Liu Y, et al. Toll-like receptor 2 and Toll-like receptor 4 exhibit distinct regulation of cancer cell stemness mediated by cell death-induced high-mobility group box 1. EBioMedicine. 2019, 40: 135-150.

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