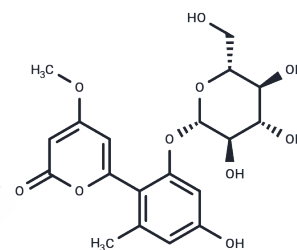


Aloenin

Chemical Properties

CAS No. :	38412-46-3
Formula:	C ₁₉ H ₂₂ O ₁₀
Molecular Weight:	410.37
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	1. Aloenin (Aloenin A) and aloe-emodin are active principles for inhibition of c-ADH and c-ALDH activities in vitro.
Targets(IC50)	Beta-Secretase,AChR

Solubility Information

Solubility	DMSO: 27.5 mg/mL (67.01 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: 10 mg/mL (24.37 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	2.4368 mL	12.1841 mL	24.3683 mL
5 mM	0.4874 mL	2.4368 mL	4.8737 mL
10 mM	0.2437 mL	1.2184 mL	2.4368 mL
50 mM	0.0487 mL	0.2437 mL	0.4874 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

Abdalla H I , Abugabal N S , Hassan A Z , et al. Antiviral activity of Aloe hijazensis against some haemagglutinating viruses infection and its phytoconstituents.[J]. Archives of Pharmacal Research, 2012, 35(8):1347-1354.

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