

Sweroside

Chemical Properties

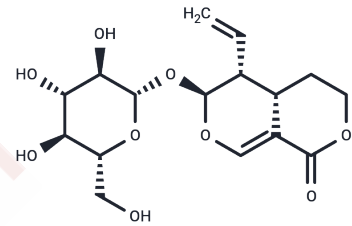
CAS No. : 14215-86-2

Formula: C₁₆H₂₂O₉

Molecular Weight: 358.34

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	1. Sweroside possesses strong hepatoprotective effect. 2. Sweroside is a promising osteoporosis therapeutic natural product, has anti-osteoporotic effect on the human MG-63 cells and rat osteoblasts.
Targets(IC50)	Apoptosis,Others,NF-κB,NOD-like Receptor (NLR),Nrf2,AMPK,Autophagy,Pyroptosis, PARP,Sirtuin

Solubility Information

Solubility	Pyridine, Methanol, etc.: Soluble, DMSO: 125 mg/mL (348.83 mM),Sonication is recommended. Ethanol: Soluble, H ₂ O: 25 mg/mL (69.77 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 (27.91 mM),Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.58 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	2.7906 mL	13.9532 mL	27.9065 mL
5 mM	0.5581 mL	2.7906 mL	5.5813 mL
10 mM	0.2791 mL	1.3953 mL	2.7906 mL
50 mM	0.0558 mL	0.2791 mL	0.5581 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

Ozturk N , Korkmaz S , Ozturk Y , et al. EFFECTS OF GENTIOPIICOSIDE, SWEROSIDE AND SWERTIAMARINE, SECOIRIDOIDS FROM GENTIAN (GENTIANA LUTEA SSP. SYMPHYANDRA), ON CULTURED CHICKEN EMBRYONIC FIBROBLASTS[J]. Planta Medica, 2006, 72(04):289-294.

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